CAMBION®

Electro-mechanical & Inductive Components

www.cambion.com

Introduction

HQ Singapore

Cambion® - The story so far

The *Camb*ridge Thermionic Corporat*ion* was founded in the 1930's in Cambridge, Massachusetts USA. The name Cambion® being derived from the first four and last three letters of that name.

The company quickly established a reputation in the USA as a quality supplier of small electro-mechanical and electronic components for the military and professional electronics markets.

In 1961 a parallel manufacturing facility was established in Castleton, Derbyshire, England to service an ever-expanding global market.

Over the company's history, ownership changes have given rise to various name iterations such as Midland Ross, IPI Limited, Hollingsworth and Wearnes.

In 2015, the Singaporean multi-national, United Engineers Limited acquired the organisation to support its growth in Technology and Manufacturing. United Engineers Limited established in 1912 is one of Singapore's pioneer companies and is recognised as the 11th oldest by The Singapore International Chamber of Commerce.

Cambion® - world-class manufacturing

Cambion Electronics Limited has a long established pedigree as a designer and manufacturer of high performance electro-mechanical components, inductive assemblies and inter-connective solutions serving the military, aerospace, instrumentation, transport and industrial markets. Cambion Electronics Limited is committed to ongoing product development; products are constantly reviewed and updated for strategic fit to meet the ever changing marketplace. Cambion Electronics Limited is autonomous in its manufacturing capabilities with stamping, machining, moulding, automatic assembly and a fully equipped toolroom all under one roof at its Castleton facility, consequently having total control over factors of production, so able to swiftly take ideas off the drawing board to reality in double quick time. Continual investment in the latest machinery and systems, has substantially enhanced manufacturing and assembly capabilities to cover a broad and comprehensive range of disciplines and technologies. Cambion Electronics Limited is fully ISO9001:2015 and ISO14001:2015 accredited, in addition, it has been awarded several service and system distinctions from its blue chip customer base.

Cambion® – your bridge to the Far East

Cambion Electronics Limited works closely with its associated group facilities in the Far East. Group facilities are dedicated to providing OEM, ODM and EMS services for industry. Products and services include: inductive components, electronic connectors and assemblies, miniature switches, anti-theft devices sensors, PCBA, full box build and many more. With a dedicated precision moulding and stamping capability along with R & D centre, gives the capability of supporting small to large projects. The Group also has a leading precision engineering provider of high-volume, integrated, one-stop aluminium die-casted and precision parts with value-add engineering, tool design, high quality assurance standards working to best practices, active in all market sectors, particularly strong in automotive. Facilities have a combination of the following accreditations: IATF 16969, AS9100 ISO14001:2015, BS OHSAS 18001.

Timeline...

1961	Cambion Electronic Products Limited established in the UK
1981	Cambion. SAE and Hollingsworth acquired by Midland Ross (MR).
1984	Name changed to Midland Ross Limited (MR).
1987	Management buy-out of the MR connector division to form IPI.
1987	Name changed to Interconnection Products Limited. Cage Code U2600
1991	The US part of IPI ceased trading. Cage Code 71279
1991	Acquired by the Wearnes Organisation.
1994	Name changed to Wearnes Hollingsworth Limited. Cage Code U4251
2001	Name changed to Wearnes Cambion Limited. Cage Code K3105
2015	United Engineers Limited acquires the Wearnes corporation
2016	Name changed to Cambion Electronics Limited. Cage Code K3105

Our vision helps us focus

VISION

To be a world-class organisation which embraces innovation, exceptional business practices and values in our chosen businesses.

MISSION

To enhance stakeholder values by:

- being a preferred employer and empowering our staff to excel
- ensuring the best customer satisfaction
- delivering sustainable returns to shareholders
- fulfilling our role as a good corporate citizen

VALUES

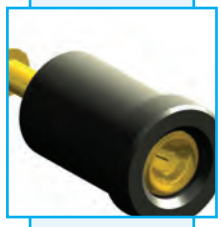
UPHOLDING INTEGRITY

CHAMPIONING INNOVATION

FOSTERING TEAMWORK

ENSURING EXCELLENCE

CONTENTS



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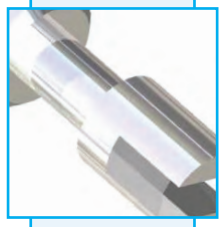
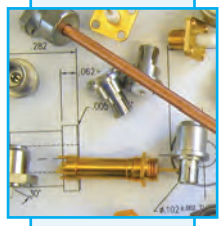


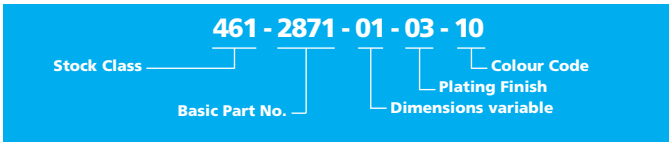


PART NUMBER STRUCTURE

All information contained herein, including photographs, drawings, specifications and dimensions is believed to be accurate as of the date of publication but is subject to change without notice. Cambion Electronics Ltd makes no claims or warranties as to the use of the products contained in this publication. The suitability or fitness for any application is the responsibility of the user.

Dimensions
Dimensions in this catalogue are given firstly in inches with metric equivalents in millimetres in brackets. For example: - .040 (1,02).

Part Numbering System
All standard Cambion part numbers consist of 13 digits as shown here. Always quote the full Cambion part number when ordering.
A full explanation of individual part numbers appears on the individual product pages of this catalogue.



See below for details of stock class, dimensional variable, plating and colour codes

Cambion Stock Class Codes

120 Solder terminal pin type
140 Solder terminal slotted
160 Solder terminal - turret
180 Solder terminal - eyelet
200 Terminal boards
352 Insulated standoffs
360 Plug components
400 Battery holders
410 Component clips
415 Card ejectors
435 Tooling
445 Patch cords
450 Single pole sockets
460 Connector pins
461 Connector plugs
506 Insulators
550 Chokes moulded
551 Chokes moulded
553 Chokes encapsulated
555 Inductors
555 Common mode choke shielded
556 Variable coils unshielded
558 Variable coils shielded
560 Filter terminal
570 Insulated terminals
571 Insulated terminals
572 Insulated terminals
702 Socket adapter boards
703 Relay bases

Basic Part No - This group of four digits gives the specific part number allocated to the product.

Dimensional Variable - This group of two digits is used where a choice of a particular dimension is available. This is normally used where a pin, cage jack or solder terminal is offered with a variety of shank lengths to suit different board thickness (for example see 460-2970). This portion of the part number may also be used to indicate a choice of dimensions between pin centres of a shorting link (see 461-2871) or the length of a patch cord (see 445-3306). In the case of inductors or chokes this would determine the inductance value of the part (see 550-3399). Where only one option is available -01 is always used (see 450-3704).

Plating Finish - This group of two digits is used to define the plating of the product. You should refer to the catalogue page for actual plating specifications but in general the following codes are used.

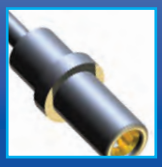
Plating Code	Plating	Plating Code	Plating
-00	No plating	-06	Gold/tin
-01	Silver	-07	Cadmium
-02	Nickel	-08	Bright alloy (obsolete specification)
-03	Gold	-09	Hot solder dip (obsolete specification)
-04	Electro-tin	-10	Hot tin dip (obsolete specification)
-05	Electro Solder		

Note also that in the case of standard chokes, these two digits indicate inductance tolerance

Dash Number	Tolerance
01	± 5%
02	±10%
03	±20%

Colour Code - The final group of two digits indicates the colour of the product. It is used where some portion of the product, normally an insulator, is made of a plastic material. See 450-4352 as an example.

Dash Number	Colour	Dash Number	Colour
-00	No colour	-15	Green
-10	Black	-16	Blue
-11	Brown	-17	Violet
-12	Red	-18	Grey
-13	Orange	-19	White
-14	Yellow	-20	Natural


SOLDER MOUNT
INCLUDING NON-MAGNETIC

PRESS MOUNT

SOLDER MOUNT, .084-.102 PIN DIA (2.13-2.59)

SOLDER MOUNT - GUIDED ENTRY

SWAGE MOUNT

STACKABLE

SURFACE MOUNT

PATCHCORD CRIMP

PCB MOUNT SOLDER

SNAP ON COLOUR CODE INSULATOR

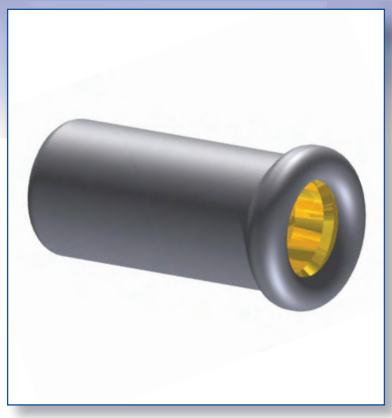
SOLDER MOUNT MOULDED GUIDED ENTRY

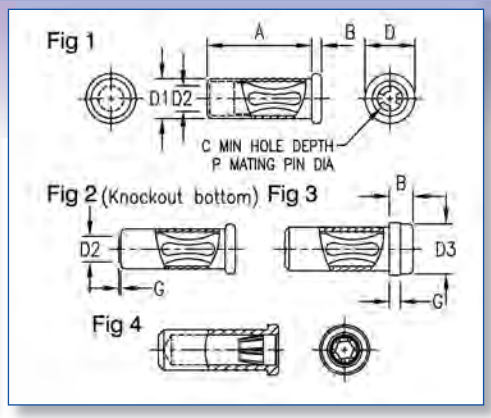
INSULATED - THREAD MOUNT

INSULATED - PRESS MOUNT

section 01

SINGLE POLE SOCKETS - SOLDER MOUNT





Dimensions in inches (mm)

How to order code

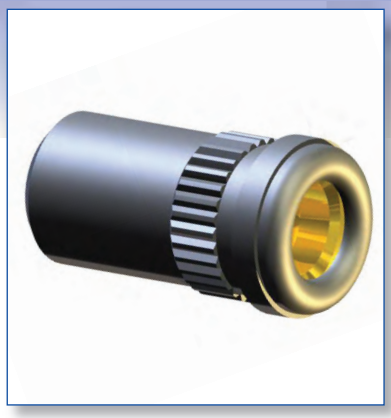
450 - XXXX - XX - XX - 00

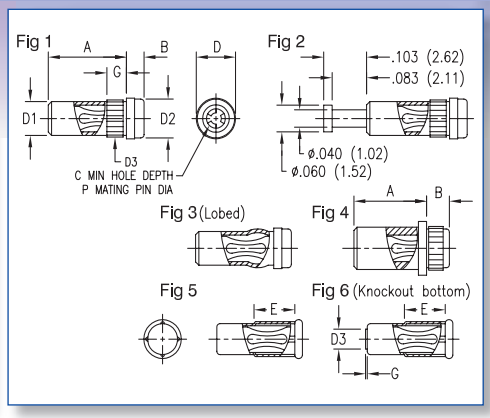
Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Body	Brass	✓
	Copper*	✓
	Brass Non-Magnetic**	✓
Spring	Beryllium Copper (Heat Treated)	✓

Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	✓
	Gold over Copper**	Gold over Copper**	✓
-04	Electro-Tin	Electro-Tin	✓
-06	Electro-Tin	Gold over Nickel	✓
	Electro-Tin over Copper**	Gold over Copper**	✓

Fig.	Basic Part No.	P	A	B	C	D	D1	D2	D3	G	Mtg. Hole Diameter
1	450-2598 -01	.019 (0.48)	.208 (5.28)	.032 (0.81)	-	.063 (1.60)	.049 (1.24)	.026 (0.66)	-	-	.052 (1.32)
	450-3268 -01	.019 (0.48)	.208 (5.28)	.032 (0.81)	.215 (5.46)	.063 (1.60)	.049 (1.24)	-	-	-	.052 (1.32)
	450-3772 -01*	.019 (0.48)	.212 (5.38)	.015 (0.38)	.207 (5.26)	.060 (1.52)	.049 (1.24)	-	-	-	.052 (1.32)
	-02*	.019 (0.48)	.208 (5.28)	.015 (0.38)	-	.060 (1.52)	.049 (1.24)	.030 (0.76)			.052 (1.32)
	450-3703 -01*	.025 (0.64)	.142 (3.61)	.020 (0.51)	.141 (3.58)	.074 (1.88)	.053 (1.35)	-	-	-	.055 (1.40)
	450-3718 -01*	.031 (0.79)	.184 (4.67)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	-	-	.076 (1.93)
	450-7004 -01	.031 (0.79)	.235 (5.97)	.030 (0.76)	.182 (4.62)	.091 (2.31)	.068 (1.73)	-	-	-	.073 (1.85)
	450-3704 -01*	.040 (1.02)	.184 (4.67)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	-	-	.076 (1.93)
	450-3722 -01	.050 (1.27)	.195 (4.95)	.018 (0.46)	.200 (5.08)	.120 (3.05)	.098 (2.49)	-	-	-	.102 (2.59)
	450-1813 -01	.061 (1.55)	.195 (4.95)	.018 (0.46)	-	.120 (3.05)	.098 (2.49)	.071 (1.80)	-	-	.102 (2.59)
	450-3326 -01	.061 (1.55)	.195 (4.95)	.018 (0.46)	.200 (5.08)	.120 (3.05)	.098 (2.49)	-	-	-	.102 (2.59)
	450-1812 -01	.065 (1.65)	.195 (4.95)	.018 (0.46)	-	.120 (3.05)	.098 (2.49)	.071 (1.80)	-	-	.102 (2.59)
	450-3708 -01	.080 (2.03)	.350 (8.89)	.020 (0.51)	.360 (9.14)	.143 (3.63)	.114 (2.90)	-	-	-	.116 (2.95)
2	450-3716 -01*	.040 (1.02)	.184 (4.67)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	.046 (1.17)	-	.005 (0.13)	.076 (1.93)
3	450-3230 -01	.025 (0.64)	.112 (2.84)	.080 (2.03)	.150 (3.81)	.080 (2.03)	.058 (1.47)	-	.073 (1.85)	.030 (0.76)	.062 (1.57)
	450-3293 -01	.025 (0.64)	.102 (2.59)	.080 (2.03)	-	.080 (2.03)	.058 (1.47)	.046 (1.17)	.073 (1.85)	.030 (0.76)	.062 (1.57)
	450-3286 -01	.040 (1.02)	.200 (5.08)	.036 (0.91)	-	.125 (3.18)	.085 (2.16)	.062 (1.57)	.092 (2.34)	.020 (0.51)	.089 (2.26)
	450-3366 -01	.040 (1.02)	.125 (3.18)	.192 (4.88)	.192 (4.88)	.125 (3.18)	.085 (2.16)	-	.091 (2.31)	.032 (0.81)	.089 (2.26)
	450-3388 -01	.040 (1.02)	.200 (5.08)	.036 (0.91)	.190 (4.83)	.125 (3.18)	.085 (2.16)	-	.092 (2.34)	.020 (0.51)	.089 (2.26)
	450-5301 -01	.040 (1.02)	.112 (2.85)	.108 (2.75)	.185 (4.70)	.102 (2.59)	.074 (1.88)	-	.092 (2.34)	.030 (0.76)	.076 (1.93)
	450-3256 -01	.080 (2.03)	.312 (7.92)	.100 (2.54)	-	.188 (4.78)	.142 (3.61)	.104 (2.64)	.143 (3.63)	.047 (1.19)	.144 (3.66)
	450-3398 -01	.080 (2.03)	.312 (7.92)	.100 (2.54)	.333 (8.46)	.188 (4.78)	.142 (3.61)	-	.143 (3.63)	.047 (1.19)	.144 (3.66)
4	450-8121 -01**	.040 (1.02)	.197 (5.00)	.020 (0.51)	.190 (4.83)	.091 (2.31)	.073 (1.85)	-	-	-	.076 (1.93)





Dimensions in inches (mm)
See page 93 for recommended Anvil and Punch

How to order code

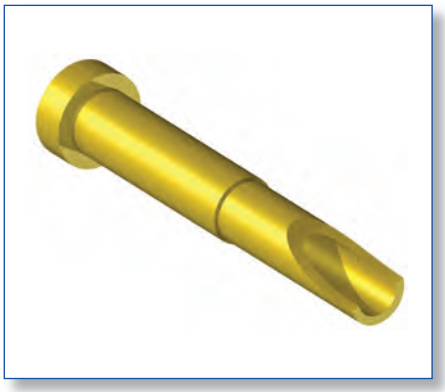
450 - XXXX - XX - XX - 00

Basic Part No. — **Finish**

Material Code Table		
Component	Material	RoHS
Body	Brass Copper*	✓ ✓
Spring	Beryllium Copper (Heat Treated)	✓

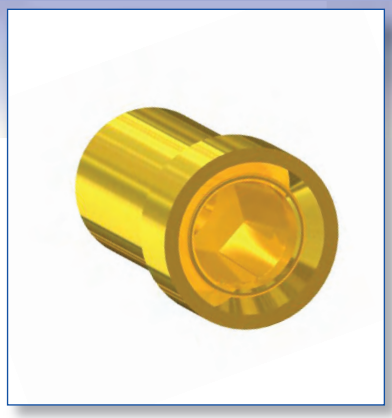
Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	✓
-04	Electro-Tin	Electro-Tin	✓
-06	Electro-Tin	Gold over Nickel	✓

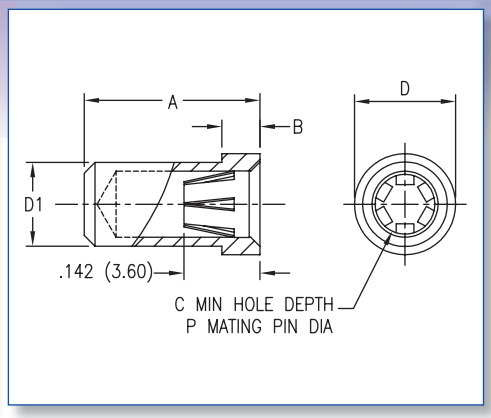
Fig.	Basic Part No.	P	A	B	C	D	D1	D2	D3	E	G	Board Thickness	Mtg. Hole Diameter
1	450-3720 -01	.031 (0.79)	.213 (5.41)	.037 (0.94)	.185 (4.70)	.110 (2.79)	.080 (2.03)	.092 (2.34)	.092 (2.34)	-	.070 (1.78)	.062 (1.57)	.089 (2.26)
	450-3954 -01	.040 (1.02)	.140 (3.56)	.080 (2.03)	.185 (4.70)	.102 (2.59)	.072 (1.83)	.092 (2.34)	.081 (2.06)	-	.052 (1.32)	-	.076 (1.93)
	450-3721 -01	.040 (1.02)	.213 (5.41)	.037 (0.94)	.185 (4.70)	.110 (2.79)	.080 (2.03)	.092 (2.34)	.092 (2.34)	-	.070 (1.78)	.062 (1.57)	.089 (2.26)
	450-5348 -01	.040 (1.02)	.090 (2.29)	.130 (3.30)	.185 (4.70)	.102 (2.59)	.072 (1.83)	.092 (2.34)	.081 (2.06)	-	.052 (1.32)	-	.076 (1.93)
2	450-3755 -01	.040 (1.02)	.200 (5.08)	.040 (1.02)	.185 (4.70)	.110 (2.79)	.082 (2.08)	.092 (2.34)	.092 (2.34)	-	.070 (1.78)	.062 (1.57)	.089 (2.26)
3	450-3752 -01	.040 (1.02)	.140 (3.56)	.080 (2.03)	.185 (4.70)	.102 (2.59)	.074 (1.88)	.092 (2.34)	-	-	-	-	.076 (1.93)
4	450-1801 -01	.040 (1.02)	.175 (4.45)	.055 (1.40)	.185 (4.70)	.125 (3.18)	.100 (2.54)	.092 (2.34)	.103 (2.62)	-	-	-	.099 (2.53)
5	450-1804 -01	.061 (1.55)	.195 (4.95)	.018 (0.46)	.200 (5.08)	.120 (3.05)	.098 (2.49)	-	-	.100 (2.54)	-	-	.102 (2.59)
	450-1806 -01	.080 (2.03)	.356 (9.04)	.015 (0.38)	.360 (9.14)	.143 (3.63)	.114 (2.90)	-	-	.150 (3.81)	-	-	.116 (2.95)
	450-3983 -01*	.025 (0.64)	.138 (3.51)	.020 (0.51)	.141 (3.58)	.074 (1.88)	.053 (1.35)	-	-	.080 (2.03)	-	-	.055 (1.40)
	450-3998 -01*	.031 (0.79)	.184 (4.67)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	-	.100 (2.54)	-	-	.076 (1.93)
	450-3729 -01*	.040 (1.02)	.184 (4.67)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	-	.100 (2.54)	-	-	.076 (1.93)
6	450-3723 -01*	.040 (1.02)	.184 (4.67)	.018 (0.46)	.190 (4.83)	.090 (2.29)	.073 (1.85)	-	.046 (1.17)	.100 (2.54)	.005 (0.13)	-	.076 (1.93)



SINGLE POLE SOCKETS - SOLDER MOUNT, .084-.102 PIN DIA (2.13-2.59)

Dimensions in inches (mm)





How to order code

450 - 8059 - 01 - XX - 00

Basic Part No. — Socket Finish

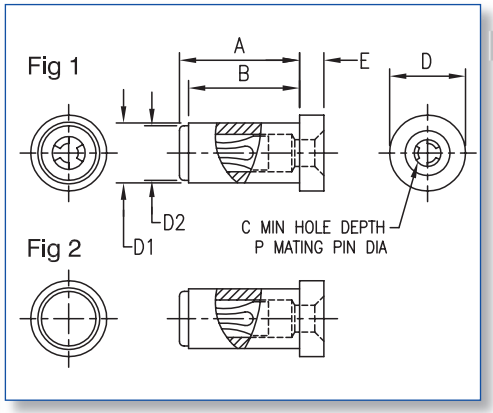
Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Spring	Beryllium Copper (Heat Treated)	✓

Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	✓
-06	Electro-Tin	Gold over Nickel	✓

Basic Part No.	A	B	D	D1	C	P	Mtg. Hole Diameter
450-8059 -01	.327 (8.30)	.071 (1.80)	.188 (4.78)	.156 (3.96)	.268 (6.80)	.084-.102 (2.13-2.59)	.160 (4.06)

SINGLE POLE SOCKETS - SOLDER MOUNT, GUIDED ENTRY

Dimensions in inches (mm)



How to order code

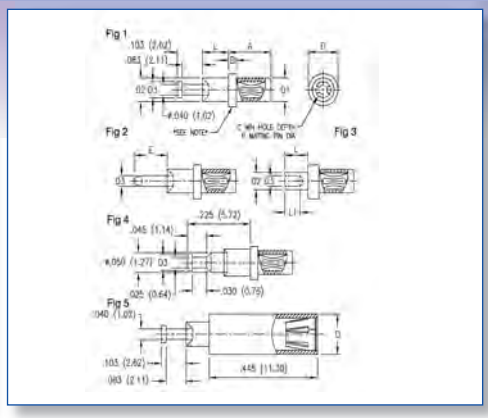
450 - 37XX -01 - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Spring	Beryllium Copper (Heat Treated)	✓

Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	✓
-04	Electro-Tin	Electro-Tin	✓
-06	Electro-Tin	Gold over Nickel	✓

Fig.	Basic Part No.	P	A	B	D	D1	D2	C	E	Mtg. Hole Diameter
1	450-3760 -01	.040 (1.02)	.193 (4.90)	.182 (4.62)	.125 (3.18)	.100 (2.54)	.092 (2.34)	-	.040 (1.02)	.104 (2.64)
2	450-3783 -01	.040 (1.02)	.198 (5.03)	.182 (4.62)	.125 (3.18)	.100 (2.54)	.092 (2.34)	.210 (5.33)	.040 (1.02)	.104 (2.64)



Dimensions in inches (mm)
See page 93 for recommended Anvil and Punch

How to order code

450 - XXXX - XX - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Spring	Beryllium Copper (Heat Treated)	✓

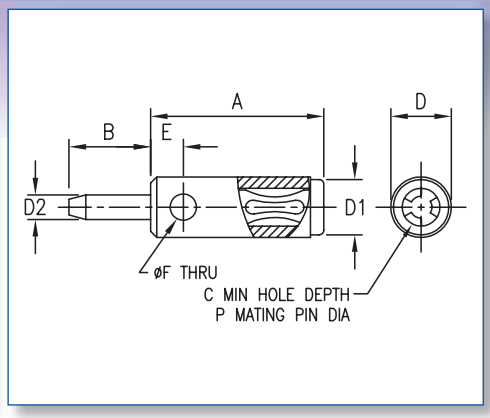
Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel Gold over Copper**	Gold over Nickel	✓
-04	Electro-Tin	Electro-Tin	✓
-06	Electro-Tin	Gold over Nickel	✓

Fig.	Basic Part No.	L	Board Thickness	P	A	B	C	D	D1	D2	D3	E	L1	Mtg. Hole Diameter
1	450-3375 -02	.094 (2.39)	.062 (1.57)	.025 (0.64)	.106 (2.69)	.062 (1.57)	.141 (3.58)	.125 (3.18)	.077 (1.96)	.093 (2.36)	.062 (1.57)	-	-	.094 (2.39)
	-03	.125 (3.18)	.094 (2.39)		.075 (1.91)	.031 (0.79)								
	-04	.156 (3.96)	.125 (3.18)											
	-05	.219 (5.56)	.188 (4.76)											
	450-7005 -01*	.062 (1.57)	.031 (0.79)	.031 (0.79)	.193 (4.90)	.032 (0.81)	.183 (4.65)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	-	-	.094 (2.39)
	-02*	.094 (2.39)	.062 (1.57)											
	-03*	.125 (3.18)	.094 (2.39)											
	-04*	.156 (3.96)	.125 (3.18)											
	-05*	.219 (5.56)	.188 (4.76)											
	450-3320 -01	.062 (1.57)	.031 (0.79)	.040 (1.02)	.190 (4.83)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.092 (2.34)	.093 (2.36)	.066 (1.68)	-	-	.094 (2.39)
	-02	.094 (2.39)	.062 (1.57)											
	-03	.125 (3.18)	.094 (2.39)											
	-04	.156 (3.96)	.125 (3.18)											
	-05	.219 (5.56)	.188 (4.76)											
	450-3324 -01	.058 (1.47)	.031 (0.79)	.061 (1.55)	.230 (5.84)	.050 (1.27)	.204 (5.18)	.188 (4.78)	.124 (3.15)	.141 (3.58)	.066 (1.68)	-	-	.144 (3.66)
	-02	.089 (2.26)	.062 (1.57)											
	-03	.120 (3.05)	.094 (2.39)											
	-04	.151 (3.84)	.125 (3.18)											
	450-3754 -01	.062 (1.57)	.031 (0.79)	.080 (2.03)	.440 (11.18)	-	.375 (9.53)	-	.144 (3.66)	.093 (2.36)	.066 (1.68)	-	-	.094 (2.39)
	-02	.094 (2.39)	.062 (1.57)											
	-03	.125 (3.18)	.094 (2.39)											
	-04	.156 (3.96)	.125 (3.18)											
2	450-3263 -01	.051 (1.30)	.031 (0.79)	.025 (0.64)	.180 (4.57)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.025 (0.64)	.125 (3.18)	-	.062 (1.57)
	-02	.082 (2.08)	.062 (1.57)											
	-03	.113 (2.87)	.094 (2.39)											
	-04	.145 (3.68)	.125 (3.18)											
	450-3310 -01**	.062 (1.57)	.031 (0.79)	.040 (1.02)	.190 (4.83)	.032 (0.81)	.190 (4.83)	.125 (3.18)	.094 (2.39)	.093 (2.36)	.040 (1.02)	.187 (4.75)	-	094 (2.39)**
	-02**	.094 (2.39)	.062 (1.57)											
	-03**	.125 (3.18)	.094 (2.39)											
	-04**	.156 (3.96)	.125 (3.18)											
3	450-3394 -01	.062 (1.57)	.031 (0.79)	.025 (0.64)	.190 (4.88)	.045 (1.14)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.058 (1.47)	.040 (1.02)	-	.040 (1.02) .062 (1.57)	.062 (1.57)
	-02	.094 (2.39)	.062 (1.57)											
	-03	.125 (3.18)	.094 (2.39)											
	-04	.156 (3.96)	.125 (3.18)											
	450-3756 -01	.062 (1.57)	.031 (0.79)	.040 (1.02)	.230 (5.84)	.062 (1.57)	.180 (4.57)	.125 (3.18)	.091 (2.31)	.064 (1.63)	.040 (1.02)	-	.040 (1.02) .062 (1.57)	.067 (1.70)
	-02	.094 (2.39)	.062 (1.57)											
	-03	.125 (3.18)	.094 (2.39)											
	-04	.156 (3.96)	.125 (3.18)											
4	450-3266 -01	.041 (1.04)	.031 (0.79)	.019 (0.48)	.062 (1.57)	.025 (0.64)	.210 (5.33)	.094 (2.39)	.062 (1.57)	.072 (1.83)	.040 (1.02)	-	-	.076 (1.93)
	-02	.072 (1.83)	.062 (1.57)											
	-03	.104 (2.64)	.094 (2.39)											
	-04	.135 (3.43)	.125 (3.18)											
5	450-8058 -01	.062 (1.57)	.031 (0.79)	.084–.102 (2.13–2.59)	.445 (11.30)	-	.380 (9.65)	.156 (3.96)	-	.093 (2.36)	.066 (1.68)	-	-	.094 (2.39)
	-02	.094 (2.39)	.062 (1.57)											
	-03	.125 (3.18)	.094 (2.39)											
	-04	.156 (3.96)	.125 (3.18)											

*Knurl is for part identification and to distinguish from similar socket, 450-3320 which is for .040 (1.02mm) diameter

SINGLE POLE SOCKETS - STACKABLE

Dimensions in inches (mm)



How to order code

450 - XXXX - 01 - 03 - XX

- 450 - XXXX: Basic Part No.
- 01: Socket Finish
- 03: Insulator Colour
- XX: Insulator Colour

Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Spring	Beryllium Copper (Heat Treated)	✓
Insulation	Polyolefin Plastic	✓

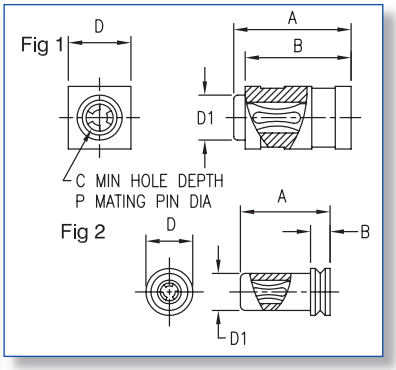
Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel Gold over Copper*	Gold over Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-00	None
-10	Black

Basic Part No.	A	B	P	C	D	D1	D2	E	F
450-3327 -01	.235 (5.97)	.125 (3.18)	.040 (1.02)	.190 (4.83)	.094 (2.39)	.090 (2.29)	.025 (0.64)	-	-
	Also available with black polyolefin sleeve as 450-3289-01-03-10								
450-3278 -01	.425 (10.80)	.188 (4.78)	.080 (2.03)	.325 (8.26)	.156 (3.96)	.142 (3.61)	.040 (1.02)	-	-
	Also available with black polyolefin sleeve as 450-3279-01-03-10								
450-3078 -01	.305 (7.75)	.125 (3.18)	.025 (0.64)	.144 (3.66)	.094 (2.39)	.074 (1.88)	.025 (0.64)	.053 (1.35)	.043 (1.09)
	Also available with black polyolefin sleeve as 450-3390-01-03-10								
450-3302 -01*	.323 (8.20)	.188 (4.78)	.040 (1.02)	.190 (4.83)	.094 (2.39)	.090 (2.29)	.040 (1.02)	.053 (1.35)	.043 (1.09)
	Also available with black polyolefin sleeve as 450-3301-01-03-10								

SINGLE POLE SOCKETS - SURFACE MOUNT

Dimensions in inches (mm)



How to order code

450 - XXXX - 01 - XX - 00

- 450 - XXXX: Basic Part No.
- 01: Socket Finish
- XX: Socket Finish
- 00: Socket Finish

Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Spring	Beryllium Copper (Heat Treated)	✓

Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	✓
-06	Electro-Tin	Gold over Nickel	✓

Fig.	Basic Part No.	A	B	D	D1	C	P
1	450-8340 -01	.235 (5.97)	.212 (5.38)	.125 (3.18)	.090 (2.29)	.190 (4.83)	.040 (1.02
2	450-8325 -01	.180 (4.57)	.040 (1.02)	.094 (2.39)	.074 (1.88)	.141 (3.58)	.025 (0.64)

Dimensions in inches (mm)

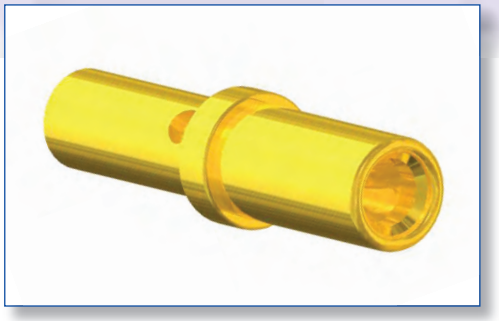


Fig 1

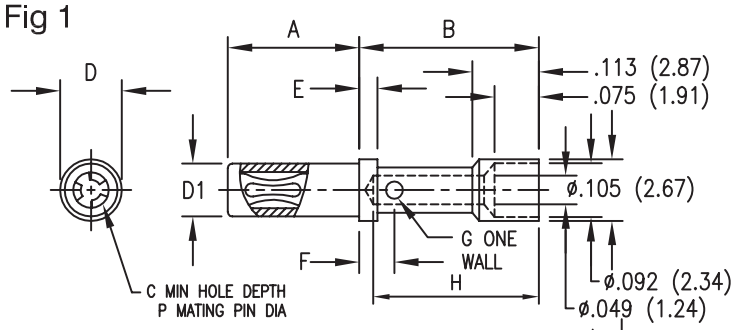
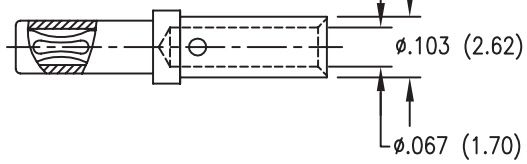


Fig 2



How to order code

450 - XXXX - 01 - XX - XX

- Basic Part No.
- Socket Finish
- Insulator Colour

Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Spring	Beryllium Copper (Heat Treated)	✓
Insulation	Polyolefin Plastic	✓

Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	✓
-04	Electro-Tin	Electro-Tin	✓
-06	Electro-Tin	Gold over Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-00	None
-10	Black

Fig.	Basic Part No.	P	A	B	C	D	D1	E	F	G	H
1	450-3367 -01	.040 (1.02)	.224 (5.69)	.306 (7.77)	.185 (4.70)	.105 (2.67)	.091 (2.29)	.031 (0.79)	.060 (1.52)	.029 (0.74)	.282 (7.16)
	Also available with black polyolefin sleeve as 450-3378-01-XX-10										
	450-1807 -01	.080 (2.03)	.420 (10.67)	.306 (7.77)	.375 (9.53)	.170 (4.32)	.143 (3.63)	.031 (0.79)	.060 (1.52)	.029 (0.74)	.282 (7.16)
2	450-0016 -01	.061 (1.55)	.234 (5.94)	.296 (7.52)	.190 (4.83)	.141 (3.58)	.119 (3.02)	.046 (1.17)	.076 (1.93)	.039 (0.99)	.267 (6.78)
	Also available with black polyolefin sleeve as 450-3413-01-XX-10										

450-3367/450-3378/450-1807

Recommended hook-up wire size - #22AWG, 7 strands #30 AWG copper wire PTFE insulated

Sockets also accommodate #20 AWG, 7 strands #28 AWG copper wire

#24 AWG, 7 strands #32 AWG copper wire

450-0016/450-3413

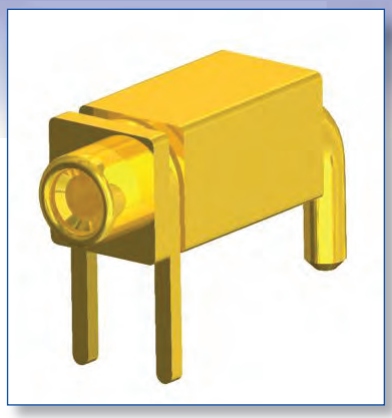
Recommended hook-up wire size - #20 AWG, 7 strands #28 AWG copper wire PTFE insulated

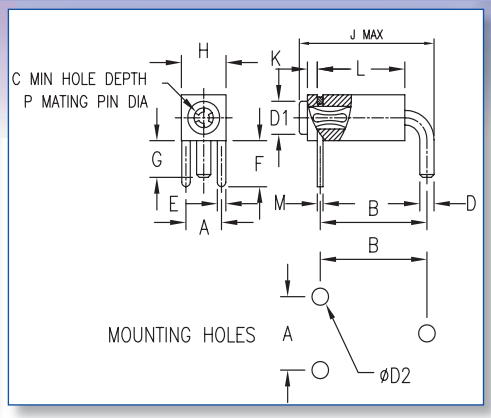
Sockets also accommodate #18 AWG, 7 strands #26 AWG copper wire

#16 AWG, 19 strands #29 AWG copper wire

Recommended Crimp Pliers		
450-3367-01 450-0016-01	Crimp tool Kit comprises of the following Frame Turret head	435-5680-01-00-00 430-5681-01-00-00 430-5682-01-00-00
450-1807-01	Crimp tool Kit comprises of the following Frame Positioner	435-5699-01-00-00 430-5681-01-00-00 430-5684-01-00-00

SINGLE POLE SOCKETS - PCB MOUNT SOLDER





Dimensions in inches (mm)

How to order code

450 - 3XXX - 01 - XX - 00

Basic Part No. — Finish

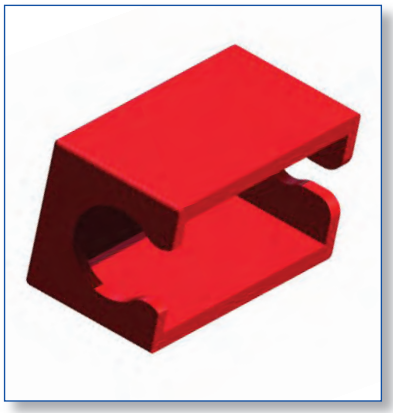
Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Spring	Beryllium Copper (Heat Treated)	✓
Clip	Brass	✓

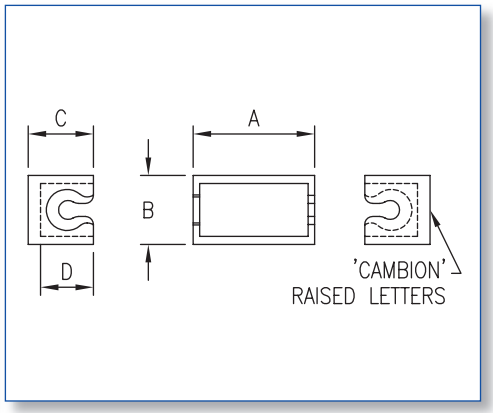
Finish Code Table				
Dash No.	Body Finish	Spring Finish	Clip	RoHS
-03	Gold over Nickel	Gold over Nickel	Gold over Nickel	✓
-04	Electro-Tin	Electro-Tin	Electro-Tin	✓
-06	Electro-Tin	Gold over Nickel	Electro-Tin	✓

Basic Part No.	P	A	B	C	D	D1	D2	E
450-3422 -01	.040 (1.02)	.100 (2.54)	.300 (7.62)	.211 (5.36)	.040 (1.02)	.092 (2.34)	.047 (1.19)	.024 (0.61)
450-3888 -01	.080 (2.03)	.200 (5.08)	.400 (10.16)	.325 (8.26)	.056 (1.42)	.142 (3.61)	.062 (1.57)	.046 (1.17)

Basic Part No.	F	G	H	J	K	L	M
450-3422 -01	.125 (3.18)	.100 (2.54)	.125 (3.18)	.416 (10.57)	.028 (0.71)	.229 (5.82)	.016 (0.41)
450-3888 -01	.218 (5.54)	.156 (3.96)	.188 (4.78)	.537 (13.64)	.038 (0.97)	.325 (8.26)	.020 (0.51)

SNAP ON COLOUR CODE INSULATOR





Dimensions in inches (mm)

How to order code

506 - 44XX - 01 - 00 - XX

Basic Part No. — Colour

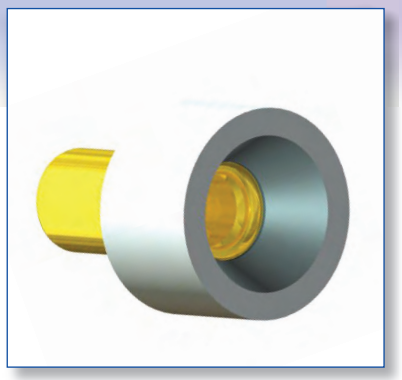
Material Code Table		
Component	Material	RoHS
Cover	Nylon	✓

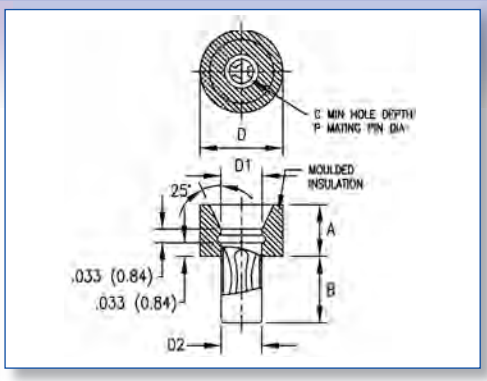
Colour Code Table			
Dash No.	Colour	Dash No.	Colour
-10	Black	-15	Green
-11	Brown	-16	Blue
-12	Red	-17	Violet
-13	Orange	-18	Grey
-14	Yellow	-19	White

Basic Part No.	Used on Part	A	B	C	D
506-4422 -01	450-3422	.301 (7.65)	.172 (4.37)	.162 (4.11)	.131 (3.33)
506-4488 -01	450-3888	.415 (10.54)	.276 (7.01)	.268 (6.81)	.194 (4.93)

SINGLE POLE SOCKETS - SOLDER MOUNT - MOULDED GUIDED ENTRY

Dimensions in inches (mm)





How to order code

450 - 1826 - 01 - 03 - 20

- 450 - 1826 - 01: Basic Part No.
- 03: Socket Finish
- 20: Insulator Colour

Material Code Table		
Component		Material
Jack:	Body	Brass
	Spring	Beryllium Copper (Heat Treated)
Insulator		Nylon

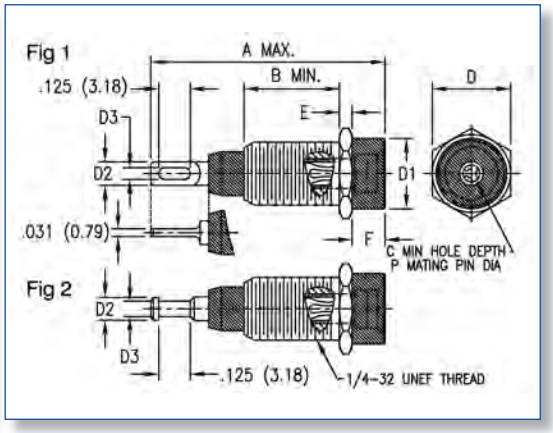
Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-20	Natural

Basic Part No.	P	A	B	D	D1	D2	F	Mtg. Hole Diameter
450-1826 -01	.061 (1.55)	.125 (3.18)	.162 (4.11)	.200 (5.08)	.093 (2.36)	.098 (2.49)	.250 (6.35)	.102 (2.59)

SINGLE POLE SOCKETS - INSULATED - THREAD MOUNT

Dimensions in inches (mm)



How to order code

450 - XXXX - 01 - 03 - XX

- 450 - XXXX - 01: Basic Part No.
- 03: Terminal Finish
- XX: Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator (450-3358 & 450-3381)	Nylon	✓
Insulator (450-3359 & 450-3382)	PTFE	✓
Metal Sleeve	Brass	✓
Socket Body	Brass	✓
Socket Spring	Berillium Copper (Heat Treated)	✓
Mounting Hex Nut	Brass	✓
Internal Tooth Lockwasher	Phosphor Bronze	✓

Finish Code Table						
Dash No.	Socket Body Finish	Socket Spring Finish	Metal Sleeve Finish	Mtg.. Hex Nut Finish	Lockwasher Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	Nickel	Nickel	Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-10	Black
-12	Red*
-16	Blue
-19	White

Fig.	Basic Part No.	A	B	C	D	D1	D2	D3	E	F	P	Dielectric Withstand Voltage (rms)	Insulator
1	450-3358 -01	1.000 (25.4)	.375 (9.53)	.540 (13.72)	.312 (7.92)	.281 (7.14)	.093 (2.36)	.047 (1.19)	.050 (1.27)	.131 (3.33)	.080 (2.03)	3000	Nylon
	450-3359 -01	1.000 (25.4)	.375 (9.53)	.540 (13.72)	.312 (7.92)	.281 (7.14)	.093 (2.36)	.047 (1.19)	.050 (1.27)	.131 (3.33)	.080 (2.03)	3000	PTFE
2	450-3381 -01	1.000 (25.4)	.375 (9.53)	.540 (13.72)	.312 (7.92)	.281 (7.14)	.090 (2.29)	.062 (1.57)	.050 (1.27)	.131 (3.33)	.080 (2.03)	3000	Nylon
	450-3382 -01	1.000 (25.4)	.375 (9.53)	.540 (13.72)	.312 (7.92)	.281 (7.14)	.090 (2.29)	.062 (1.57)	.050 (1.27)	.131 (3.33)	.080 (2.03)	3000	PTFE

Mounting Hardware supplied un-assembled. *Red PTFE is NOT RoHS compliant

SINGLE POLE SOCKETS - INSULATED, PRESS MOUNT

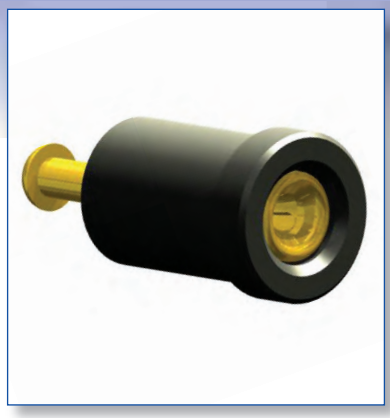


Fig 1

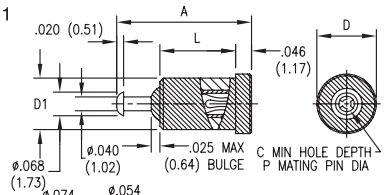


Fig 2

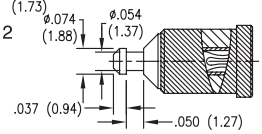


Fig 3

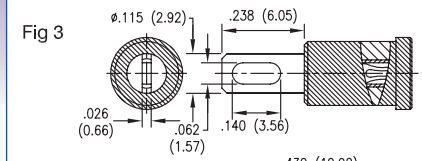
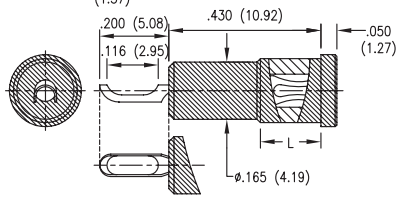


Fig 4



Dimensions in inches (mm)
See page 91 for Mounting Instructions

How to order code

450 - XXXX - 01 - XX - XX

- Basic Part No.
- Socket Finish
- Insulator Colour

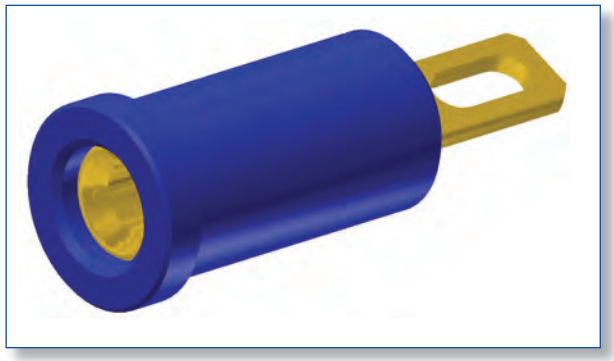
Material Code Table		
Component	Material	RoHS
Insulator	PTFE	✓*
Socket Body	Brass	✓
Socket Spring	Beryllium Copper (Heat Treated)	✓

Finish Code Table			
Dash No.	Body Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	✓
-04	Electro-Tin	Electro-Tin	✓
-06	Electro-Tin	Gold over Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-10	Black
-12	Red*
-19	White

Fig.	Basic Part No.	A	For Panel Thickness	C	D	D1	L	P	Flashover at Sea Level (Vrms)	Capacitance (pf)	Mtg. Hole Diameter
1	450-4352 -01	.390 (9.91)	.031 (0.79) to .094 (2.39)	.190 (4.83)	.172 (4.37)	.149 (3.78)	.219 (5.56)	.040 (1.02)	2500	.7	.136 (3.45)
	450-4353 -01	.390 (9.91)	.031 (0.79) to .094 (2.39)	.190 (4.83)	.219 (5.56)	.185 (4.70)	.219 (5.56)	.040 (1.02)	2500	.6	.172 (4.37)
2	450-5237 -01	.413 (10.49)	.031 (0.79) to .094 (2.39)	.214 (5.44)	.219 (5.56)	.185 (4.70)	.242 (6.15)	.050 (1.27)	2500	.7	.172 (4.37)
	450-3374 -01	.453 (11.51)	.031 (0.79) to .230 (5.84)	.340 (8.64)	.219 (5.56)	.185 (4.70)	.270 (6.86)	.080 (2.03)	1800	.7	.172 (4.37)
3	450-4354 -01	.688 (17.48)	.031 (0.79) to .125 (3.18)	.332 (8.43)	.250 (6.35)	.216 (5.49)	.400 (10.16)	.080 (2.03)	2000	1.2	.203 (5.16)
4	450-4355 -01	.680 (17.27)	.031 (0.79) to .125 (3.18)	.350 (8.89)	.219 (5.56)	.185 (4.70)	.175 (4.45)	.080 (2.03)	2000	1.0	.172 (4.37)

*Red PTFE is NOT RoHS compliant



Single Pole Socket	Wire Size	Average		Max. Current	Wire Rating @	ΔT	Actual Part Tested	
		Contact Resistance At 1°C = ΔT	Rated Current At 1°C = ΔT	Carrying Capacity* At 30°C = ΔT	700CM per AMP	At Wire Rating	Single Pole Socket Part No.	Plug Part No.
0.017(0,43)	28AWG	1.77mΩ	1.0 Amps	7.3 Amps	0.23 Amps	0.1° C	450-3772-01-03-00	
0.025(0,64)	24AWG	1.2mΩ	1.7 Amps	14.2 Amps	0.58 Amps	0.3° C	450-3703-01-03-00	460-3050-0-03-00
0.040(1,02)	20AWG	1.0mΩ	3.0 Amps	23.0 Amps	1.5 Amps	0.2° C	450-3704-01-03-00	460-3308-01-03-00
0.050(1,27)	18AWG	1.0mΩ	3.0 Amps	27.0 Amps	2.3 Amps	0.8° C	450-3722-01-03-00	
0.062(1,57)	16AWG	0.56mΩ	3.5 Amps	30.0 Amps	3.7 Amps	1.1° C	450-3326-01-03-00	460-3368-01-03-00
0.080(2,03)	14AWG	0.35mΩ	4.0 Amps	32.0 Amps	5.9 Amps	1.9° C	450-3708-01-03-00	460-3369-02-03-00

*wire gauge was increased to carry current for taking data

Current Rating and Current Carrying Capacity

When an electric current passes through a connector interface, resistance heat is generated. The first passage of current across a newly mated connector where there is a defined interface resistance causes a minute local temperature rise and extremely small metal-to-metal "welds" to take place across the interface; this phenomenon is expected and results in an uninterrupted metal path across the interlace. As the current increases, the size of these minute welds increases up to a point, but in Single Pole Sockets and other separate connectors, they are still small enough to break apart on separation without visible impairment of the plating. As the current is increased more, further heating takes place not just in the plated films but in the pin and spring metal themselves. The heating, if significant and of long duration, can cause metallurgical deterioration of the finishes. This usually manifests itself by darkening of the luster of the finishes and is explained by migration of the metal atoms between plating and subplating and chemical activity with oxygen and certain air pollutants through ever present minute pores in the exterior plating.

It is sufficient to say that connector reliability can be jeopardized by long-term excessive current.

Cooling the connector takes place in two ways: by conducting the heat away via the electrical conductors and by conducting heat to the connector and conductor surfaces where circulating air carries it away by convection. The rate of cooling is affected by the size of the housing and conductors and by how much air circulates around the connector. In conducting the current rating tests, a drawn cup jack was used since it is low in mass and heats up more than any machined body jack with a given current.

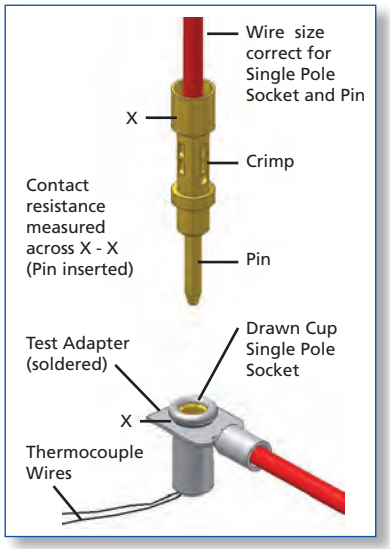
The current rating is determined at CAMBION by first matching the pin size to the conductor size as follows:

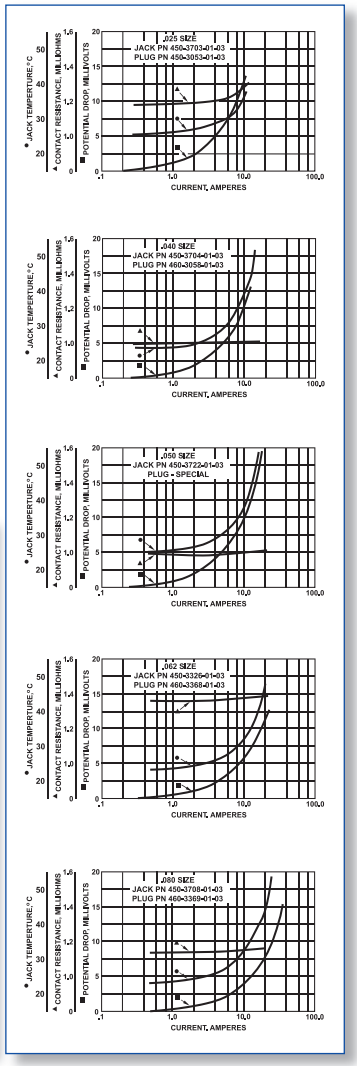
Up to .025 (0,64)	dia. 24 AWG
.030 (0.76)	20 AWG
.040(1,02)	20 AWG
.050(1,27)	16 AWG
.062(1,57)	16 AWG
.080(2,03)	12 AWG
.094(2,39)	12 AWG

Current Rating is defined as the current which produces one degree Centigrade increase in temperature under these conditions. Contact Resistance is measured at this current.

Maximum Current Carrying Capacity is defined as that current which produces a temperature rise of 30°C when the test is continued above the current rating.

These measurements are made with the Single Pole Socket soldered to insulated wires rather than mounted in printed circuit boards. In this way, variables of the mounting board heat dissipation are eliminated.



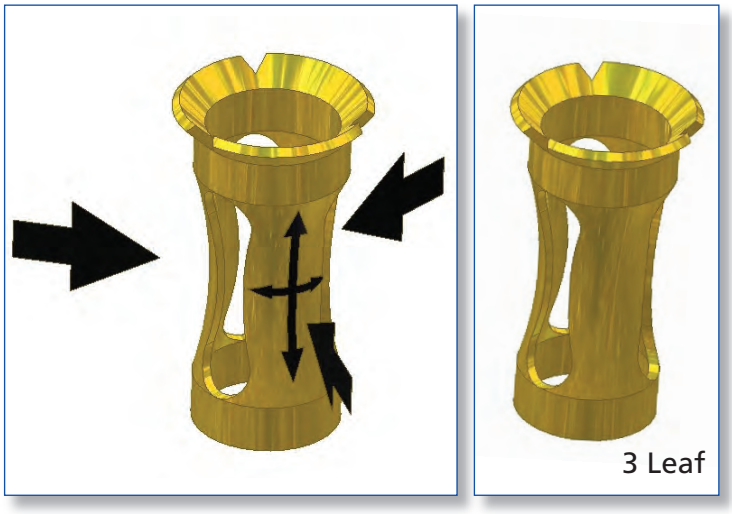


SINGLE POLE SOCKETS PERFORMANCE DATA

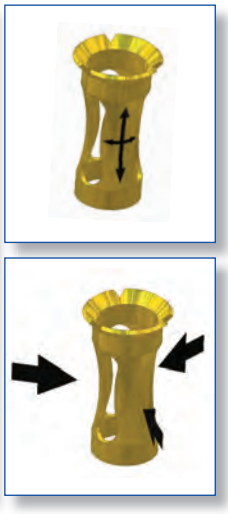
Cambion miniature pins and sockets are specifically designed for quick, tight, space-saving applications on printed circuits. All connectors are electrically and mechanically tested, carefully inspected for dimensional accuracy and, when necessary, subjected to severe environmental tests Cambion pins and sockets are available from stock in a wide range of sizes, materials and finishes to meet virtually every requirement.

Sockets are closed entry cage type. The loose piece socket consists of two pieces - a flexible spring and a housing. The spring formed from beryllium copper is hardened and then plated. Housings may be drawn copper cups or machined from brass depending on application. The spring is securely captivated in the housing by staking. Most loose piece socket connectors are offered with three plating finishes - gold spring and housing, gold spring and electro tin housing or electro-tin spring and housing. Loose piece sockets are available in many styles and sizes to accommodate miniature pins and wires in the range .014 (0,36) to .093 (2,36) diameter. For repeated usage, Cambion recommends that pins to mate with loose piece sockets should be within ± .002 (0,05) of nominal cage diameter.

CONTACT CONFIGURATIONS



SINGLE POLE SOCKET DESIGN FEATURES



Compound curvature spring

- Longitudinal and circumferential contact.
- Stamped, burr-free heat-treated beryllium copper spring/conductor.

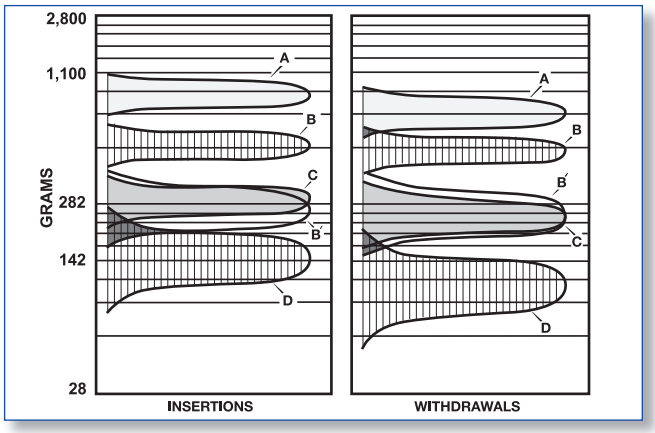
3-point contact

- 60% contact around mating pin.

Pins are precision engineered to be compatible with loose piece sockets and thereby provide positive and lasting electrical connections with low contact resistance. They are offered only gold plated, and pin diameters are held to ± .002 (0,05). **Current carrying capacity** and contact resistance for loose piece sockets mated with various pin diameters are shown in the following table

Single Pole Socket Pin Diameter	Average Contact Resistance (mΩ)	@ rated Current For 1°C ΔT (A)	Max. Current For 30°C ΔT (A)
.020"(0,51mm)	1.5	1.4	11.0
.025"(0,64mm)	1.2	1.7	14.2
.030"(0,76mm)	1.1	2.1	17.0
.040"(1,02mm)	1.0	3.0	23.0
.050"(1,27mm)	1.0	3.0	27.0
.062"(1,57mm)	0.56	3.5	30.0
.080"(2,03mm)	0.35	4.0	32.0

INSERTION / WITHDRAWAL FORCE DISTRIBUTION CURVES



A : .080 (2,03) pin/.080 (2,03) socket
B : .062 (1,57) pin/.060 (1,52) socket
B' : .059 (1,50) pin/.060 (1,52) socket
C : .040 (1,02) pin/.040 (1,02) socket
D : .020 (0,51) pin/.020 (0,51) socket

Special requirements, for which there are no standard Cambion connectors, can be met with custom-designed pins and loose piece sockets.

STRAIGHT
INCLUDING NON-MAGNETIC

SWAGE MOUNT & RIGHT ANGLE

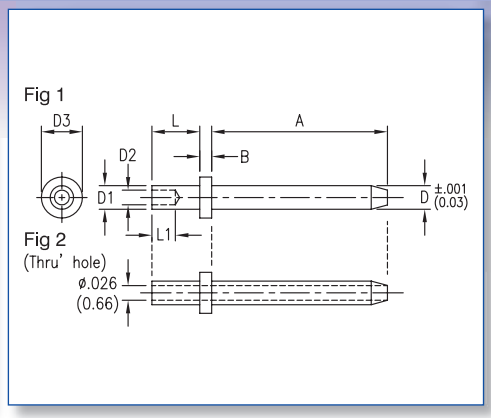
THROUGH BOARD

EDGE MOUNT

SOLDER MOUNT POLYGON
INCLUDING NON-MAGNETIC

PATCHCORD CRIMP

section 02



Dimensions in inches (mm)
See page 93/94 for recommended Anvil and Punch

How to order code

460 - XXXX - XX - XX - 00

- 460 - XXXX: Basic Part No.
- XX: 'L' Length
- XX: Finish
- 00

Material Code Table

Component	Material	RoHS
Pin	Brass Brass - Non Magnetc*	✓

Finish Code Table

Dash No.	Pin Finish	RoHS
-03	Gold over Nickel Gold over Copper*	✓ ✓
-04	Electro-Tin	✓

Fig.	Basic Part No.	'L' Length	Board Thickness	L1	A	B	D	D1	D2	D3	Mtg. Hole Diameter
1	460-2599 -01	.051(1.30)	.031(0.79)	.035(0.89)	.156(3.96)	.030(0.76)	.017(0.43)	.049(1.24)	.033(0.84)	.078(1.98)	.052(1.32)
	-02	.082(2.08)	.062(1.57)	.062(1.57)							
	-03	.113(2.87)	.094(2.39)								
	-04	.145(3.68)	.125(3.18)								
	460-5247 -01	.061(1.55)	.025(0.64)	-	.157(3.99)	.016(0.41)	.017(0.43)	.019(0.48)	-	.039(0.99)	.025(0.64)
	-02	.075(1.91)	.040(1.02)								
	460-2620 -01	.051(1.30)	.031(0.79)	.040(1.02)	.150(3.81)	.020(0.51)	.025(0.64)	.031(0.79)	.020(0.51)	.050(1.27)	.035(0.89)
	-02	.082(2.08)	.062(1.57)								
	460-2621 -01	.051(1.30)	.031(0.79)	.040(1.02)	.300(7.62)	.020(0.51)	.025(0.64)	.031(0.79)	.020(0.51)	.050(1.27)	.035(0.89)
	-02	.082(2.08)	.062(1.57)								
	460-2625 -01	.051(1.30)	.031(0.79)	.040(1.02)	.150(3.81)	.170(4.32)	.025(0.64)	.031(0.79)	.020(0.51)	.050(1.27)	.035(0.89)
	-02	.082(2.08)	.062(1.57)								
	460-2626 -01	.051(1.30)	.031(0.79)	.040(1.02)	.150(3.81)	.420(10.67)	.025(0.64)	.031(0.79)	.020(0.51)	.050(1.27)	.035(0.89)
	-02	.082(2.08)	.062(1.57)								
	460-3231 -01	.051(1.30)	.031(0.79)	.035(0.89)	.125(3.18)	.025(0.64)	.025(0.64)	.040(1.02)	.025(0.64)	.062(1.57)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-3393 -01	.062(1.57)	.031(0.79)	.040(1.02)	.125(3.18)	.030(0.76)	.025(0.64)	.058(1.47)	.040(1.02)	.078(1.98)	.062(1.57)
	-02	.094(2.39)	.062(1.57)	.062(1.57)							
	-03	.125(3.18)	.094(2.39)								
	-04	.156(3.96)	.125(3.18)								
	460-2983 -01	.051(1.30)	.031(0.79)	.040(1.02)	.300(7.62)	.020(0.51)	.031(0.79)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-2984 -01	.051(1.30)	.031(0.79)	.040(1.02)	.150(3.81)	.020(0.51)	.031(0.79)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-2627 -01	.051(1.30)	.031(0.79)	.040(1.02)	.150(3.81)	.170(4.32)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-2628 -01	.051(1.30)	.031(0.79)	.040(1.02)	.150(3.81)	.420(10.67)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-2946 -01	.051(1.30)	.031(0.79)	.040(1.02)	.500(12.70)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-2947 -01	.051(1.30)	.031(0.79)	.040(1.02)	.750(19.05)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								

Fig.	Basic Part No.	'L' Length	Board Thickness	L1	A	B	D	D1	D2	D3	Mtg. Hole Diameter
1	460-2948 -01	.051(1.30)	.031(0.79)	.040(1.02)	1.000(25.40)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-2970 -01	.051(1.30)	.031(0.79)	.040(1.02)	.300(7.62)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-8123 -01*	.051(1.30)	.031(0.79)	.040(1.02)	.300(7.62)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02*	.082(2.08)	.062(1.57)								
	-03*	.113(2.87)	.094(2.39)								
	460-8125 -01*	.051(1.30)	.031(0.79)	.040(1.02)	.200(5.08)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02*	.082(2.08)	.062(1.57)								
	-03*	.113(2.87)	.094(2.39)								
	460-2971 -01	.051(1.30)	.031(0.79)	.040(1.02)	.150(3.81)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-8129 -01*	.051(1.30)	.031(0.79)	.040(1.02)	.150(3.81)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02*	.082(2.08)	.062(1.57)								
	-03*	.113(2.87)	.094(2.39)								
	460-2976 -01	.051(1.30)	.031(0.79)	.040(1.02)	.188(4.78)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-8130 -01*	.051(1.30)	.031(0.79)	.040(1.02)	.188(4.78)	.020(0.51)	.040(1.02)	.040(1.02)	.025(0.64)	.070(1.78)	.043(1.09)
	-02*	.082(2.08)	.062(1.57)								
	-03*	.113(2.87)	.094(2.39)								
	460-3220 -01	.062(1.57)	.031(0.79)	.040(1.02)	.188(4.78)	.020(0.51)	.045(1.14)	.060(1.52)	.042(1.07)	.094(2.39)	.064(1.63)
	-02	.094(2.39)	.062(1.57)								
	-03	.125(3.18)	.094(2.39)								
	-04	.155(3.94)	.125(3.18)								
	460-3342 -01	.053(1.35)	.031(0.79)	.050(1.27)	.188(4.78)	.025(0.64)	.062(1.57)	.062(1.57)	.043(1.09)	.094(2.39)	.067(1.70)
	-02	.084(2.13)	.062(1.57)								
	-03	.115(2.92)	.094(2.39)								
	460-1524 -01	.051(1.30)	.031(0.79)	.040(1.02)	.500(12.70)	.030(0.76)	.080(2.03)	.090(2.29)	.067(1.70)	.156(3.96)	.094(2.39)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-2629 -02	.094(2.39)	.062(1.57)	.062(1.57)	.375(9.53)	.025(0.64)	.080(2.03)	.090(2.29)	.064(1.63)	.125(3.18)	.094(2.39)
	-03	.125(3.18)	.094(2.39)								
	-04	.156(3.96)	.125(3.18)								
2	460-2956 -01	.051(1.30)	.031(0.79)	-	.500(12.70)	.020(0.51)	.040(1.02)	.040(1.02)	-	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-2957 -01	.051(1.30)	.031(0.79)	-	.750(19.05)	.020(0.51)	.040(1.02)	.040(1.02)	-	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-2958 -01	.051(1.30)	.031(0.79)	-	1.000(25.40)	.020(0.51)	.040(1.02)	.040(1.02)	-	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-3232 -01	.051(1.30)	.031(0.79)	-	.300(7.62)	.020(0.51)	.040(1.02)	.040(1.02)	-	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-3233 -01	.051(1.30)	.031(0.79)	-	.150(3.81)	.020(0.51)	.040(1.02)	.040(1.02)	-	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								
	460-3241 -01	.051(1.30)	.031(0.79)	-	.100(2.54)	.020(0.51)	.040(1.02)	.040(1.02)	-	.070(1.78)	.043(1.09)
	-02	.082(2.08)	.062(1.57)								
	-03	.113(2.87)	.094(2.39)								

Fig 1

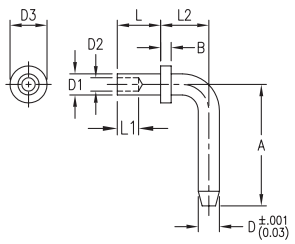
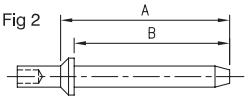


Fig 2



Dimensions in inches (mm)
See page 93/94 for recommended Anvil and Punch

How to order code

460 - XXXX - XX - XX - 00

Basic Part No. — Finish

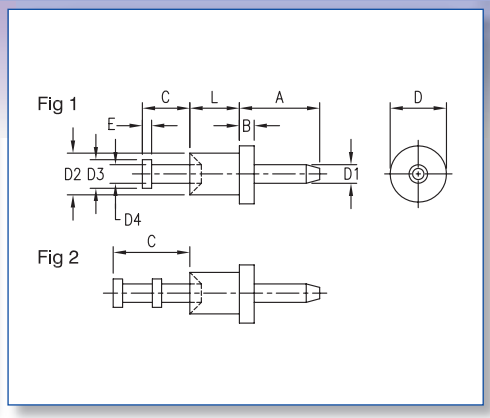
Material Code Table		
Component	Material	RoHS
Pin	Brass	✓

Finish Code Table		
Dash No.	Pin Finish	RoHS
-03	Gold over Nickel	✓
-04	Electro-Tin	✓
-05	Electro–Solder	X

Fig.	Basic Part No.	L	Board Thickness	L1	L2	A	B	D	D1	D2	D3	Mtg. Hole Diameter
1	460-1521 -01	.051(1.30)	.031 (0.79)	.040 (1.02)	.080 (2.03)	.257 (6.53)	.020 (0.51)	.040 (1.02)	.040 (1.02)	.025 (0.64)	.070 (1.78)	.043 (1.09)
	-02	.082 (2.08)	.062 (1.57)									
	-03	.113 (2.87)	.094 (2.39)									
	460-1523 -01	.051(1.30)	.031 (0.79)	.040 (1.02)	.200 (5.08)	.370 (9.40)	.170 (4.32)	.080 (2.03)	.090 (2.29)	.067 (1.70)	.156 (3.96)	.094 (2.39)
	-02	.082 (2.08)	.062 (1.57)									
	-03	.113 (2.87)	.094 (2.39)									
2	460-3889 -01	.047 (1.19)	.031 (0.79)	.031 (0.79)	-	.213 (5.41)	.188 (4.78)	.025 (0.64)	.030 (0.76)	.020 (0.51)	.062 (1.57)	.033 (0.84)
	460-3221 -01	.062 (1.57)	.031 (0.79)	.040 (1.02)	-	.240 (6.10)	.188 (4.78)	.045 (1.14)	.060 (1.52)	.042 (1.07)	.125 (3.18)	.064 (1.63)
	-02	.094 (2.39)	.062 (1.57)									
	-03	.125 (3.18)	.094 (2.39)									
	-04	.156 (3.96)	.125 (3.18)									

Electro-Mechanical Custom Design

Cambion are able to assist with Electro-Mechanical component design, either hybrid versions of standard products or to an application specific requirement, supported with fast turnaround of prototypes via its UK manufacturing activity. Additionally Cambion can offer full project management of connector and cable harness developments.



Dimensions in inches (mm)
See page 94 for recommended Anvil and Punch

How to order code

460 - XXXX - XX - XX - 00

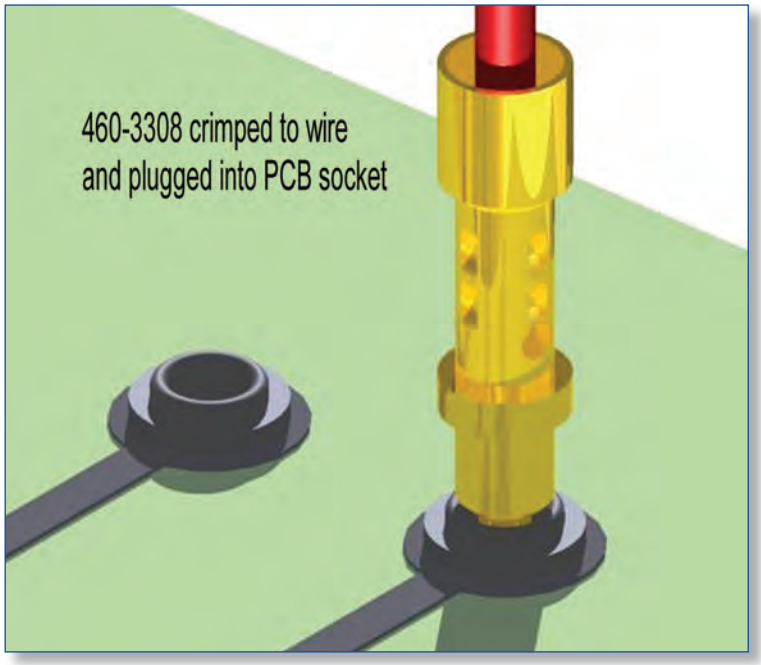
Basic Part No. — **Finish**

Material Code Table		
Component	Material	RoHS
Pin	Brass	✓

Finish Code Table		
Dash No.	Pin Finish	RoHS
-03	Gold over Nickel	✓
-04	Electro-Tin	✓

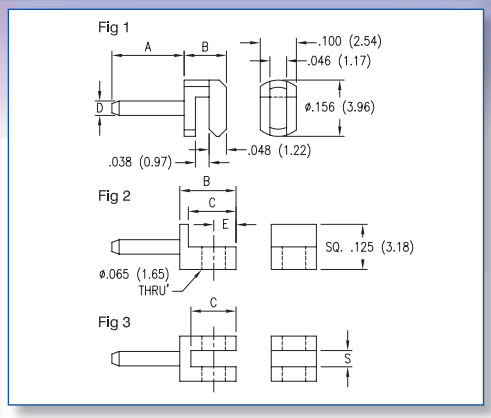
Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	D4	E	Mtg. Hole Diameter
1	460-3202 -01	.051(1.30)	.031 (0.79)	.157 (3.99)	.032 (.081)	.076 (1.93)	.078 (1.98)	.025 (0.64)	.058 (1.47)	.033 (0.84)	.020 (0.51)	.015 (0.38)	.062 (1.57)
	-02	.082 (2.08)	.062 (1.57)										
	-03	.113 (2.87)	.094 (2.39)										
	460-5243 -01	.051 (1.30)	.031 (0.79)	.172 (4.37)	.022 (0.56)	.125 (3.18)	.094 (2.39)	.040 (1.02)	.072 (1.83)	.050 (1.27)	.040 (1.02)	.020 (0.51)	.076 (1.93)
	-02	.081 (2.08)	.062 (1.57)										
	-03	.113 (2.87)	.094 (2.39)										
	-04	.145 (3.68)	.125 (3.18)										
	460-3205 -02	.082 (2.08)	.062 (1.57)	0.22 (5.59)	.032 (0.81)	.082 (2.08)	.125 (3.18)	.062 (1.57)	.090 (2.29)	.060 (1.52)	.040 (1.02)	.020 (0.51)	.094 (2.39)
	-03	.113 (2.87)	.094 (2.39)										
2	460-2605 -02	.105 (2.67)	.062 (1.57)	.410 (10.40)	.035 (0.89)	.172 (4.37)	.156 (3.96)	.080 (2.03)	.116 (2.95)	.088 (2.24)	.050 (1.27)	.020 (0.51)	.120 (3.05)
	-03	.135 (3.43)	.094 (2.39)										
	-04	.165 (4.19)	.125 (3.18)										

Typical application



CONNECTOR PINS - EDGE MOUNT

Dimensions in inches (mm)



How to order code

46X - XXXX - XX - XX - 00

- 46X - XXXX - XX: Basic Part No.
- XX: Finish

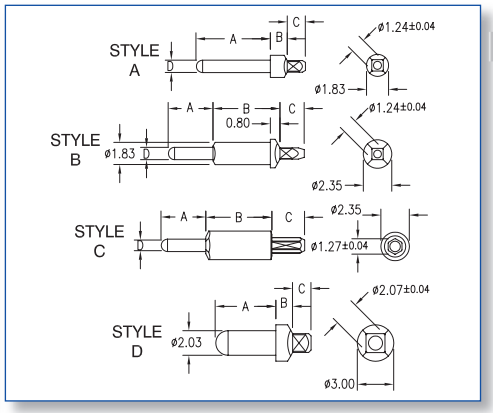
Material Code Table		
Component	Material	RoHS
Pin	Brass	✓

Finish Code Table		
Dash No.	Pin Finish	RoHS
-03	Gold over Nickel	✓
-04	Electro-Tin	✓

Fig.	Basic Part No.	A	Board Thickness	B	C	D	E	S
1	460-8250 -01	.200 (5.08)	-	.117 (2.97)	-	.040 (1.02)	-	-
2	461-2633 -01	.188 (4.77)	-	.156 (3.96)	.132 (3.35)	.040 (1.02)	.062 (1.57)	-
3	461-2634 -01	.200 (5.08)	.031 (0.78)	.156 (3.96)	.125 (3.18)	.040 (1.02)	.062 (1.57)	.045 (1.15)
	-02		.062 (1.57)					.078 (1.98)

CONNECTOR PINS - SOLDER MOUNT POLYGON

Dimensions in mm



How to order code

X - X - X - XXXX - XXXX - 3 - X

- X: B - Brass; T - Tellurium Copper
- X: 'D' Dia
- XXXX: Style
- XXXX: 'A' Pin Length
- 3: 'B' Standoff Length
- X: Finish
- 'C' Mounting Length

Material Code Table			
Component	Dash Letter	Material	RoHS
Pin	B	Brass Brass - Non Magnetic*	✓
	T	Tellurium Copper	✓

Finish Code Table		
Dash No.	Finish	RoHS
-03	Gold over Nickel Gold over Copper*	✓

Mounting Code Table	
Dash No.	C Mounting Length
1	0.90
2	1.50
3	2.00
4	2.70

Pin Dia Code Table	
Dash No.	D Pin Diameter
1	1.02
2	1.57
3	2.03

Example Part Number	Material	Pin dia D	Style	Pin Length A	Stand off Length B	Finish	Mounting Length C
B-1-B-0478-0432-3-4	Brass	1.02	B	4.78	4.32	Gold	2.70
460-8117-01-YY-00	Brass - Non Magnetic*	1.02	A	5.08	5.99	YY -01 Silver over Copper -03 Gold over Copper	1.50

Dimensions in inches (mm)

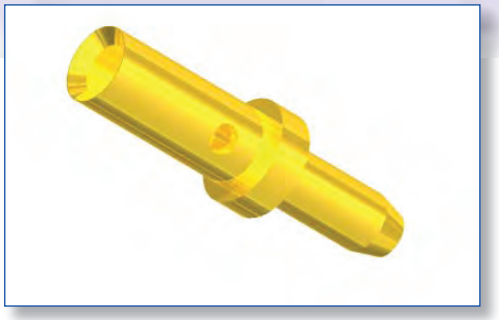


Fig 1

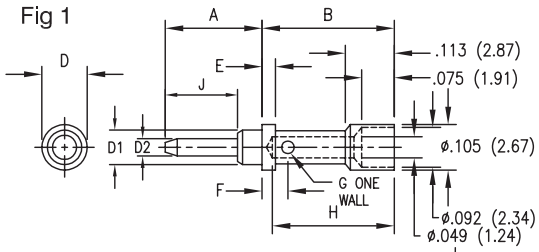


Fig 2

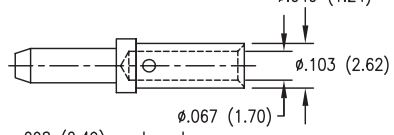
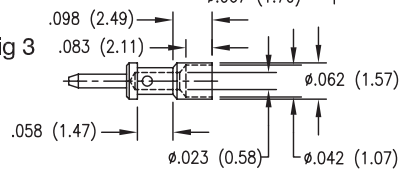


Fig 3



How to order code

46X - 3XXX - XX - XX - XX

- Basic Part No.
- Socket Finish
- Insulator Colour

Material Code Table		
Component	Material	RoHS
Pin	Brass	✓
Insulation	Polyolefin Plastic	✓

Finish Code Table		
Dash No.	Pin Finish	RoHS
-03	Gold over Nickel	✓
-04	Electro-Tin	✓

Insulation Colour Code Table	
Dash No.	Colour
-00	None
-10	Black

Fig.	Basic Part No.	A	B	D	D1	D2	E	F	G	H	J
1	460-3308 -01	.282 (7.16)	.306 (7.77)	.105 (2.67)	.077 (1.96)	.040 (1.02)	.031 (0.79)	.060 (1.52)	.029 (0.74)	.282 (7.16)	.188 (4.78)
	460-3368 -01	.282 (7.16)	.306 (7.77)	.105 (2.67)	.077 (1.96)	.062 (1.57)	.031 (0.79)	.060 (1.52)	.029 (0.74)	.282 (7.16)	.188 (4.78)
	460-3369 -01	.200 (5.08)	.306 (7.77)	.105 (2.67)	-	.080 (2.03)	.031 (0.79)	.060 (1.52)	.029 (0.74)	.282 (7.16)	-
	-02	.375 (9.53)									
	-03	.500 (12.70)									
2	460-3299 -01	.200 (5.08)	2.96 (7.52)	.141 (3.58)	-	.080 (2.03)	.046 (1.17)	.076 (1.93)	.040 (1.02)	.267 (6.78)	-
	-02	.375 (9.53)									
	-03	.500 (12.70)									
3	460-3050 -01	.125 (3.18)	.188 (4.78)	.062 (1.57)	-	.025 (0.64)	.032 (0.81)	.048 (1.22)	.025 (0.64)	.166 (4.22)	-
		Also available with black Polyolefin Sleeve as 461-3102-01-XX-10									

460-3050 / 461-3102
Recommended hook-up wire size - # 28AWG, 7 strands # 36 AWG copper wire plastic insulated
.039 (0.99) Max. Diameter over Insulation

460-3308 / 460-3368 / 460-3369
Recommended hook-up wire size - # 22AWG, 7 strands # 30 AWG copper wire PTFE insulated
.053 (1.37) Max. Diameter over Insulation
Socket also accommodates # 20 AWG, 7 strands # 28 AWG copper wire insulated
24 AWG, 7 strands # 32 AWG copper wire insulated

460-3299
Recommended hook-up wire size - # 20AWG, 7 strands # 28 AWG copper wire PTFE insulated
Socket also accommodates # 18 AWG, 7 strands # 26 AWG copper wire, insulated
16 AWG, 19 strands # 29 AWG copper wire, insulated

Recommended Crimp Pliers		
460-3308-01	Crimp tool Kit	435-5680-01-00-00
460-3368-01	comprises of the following	
460-3369-XX	Frame	430-5681-01-00-00
460-3299-XX	Turret head	430-5682-01-00-00

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DISCRETE

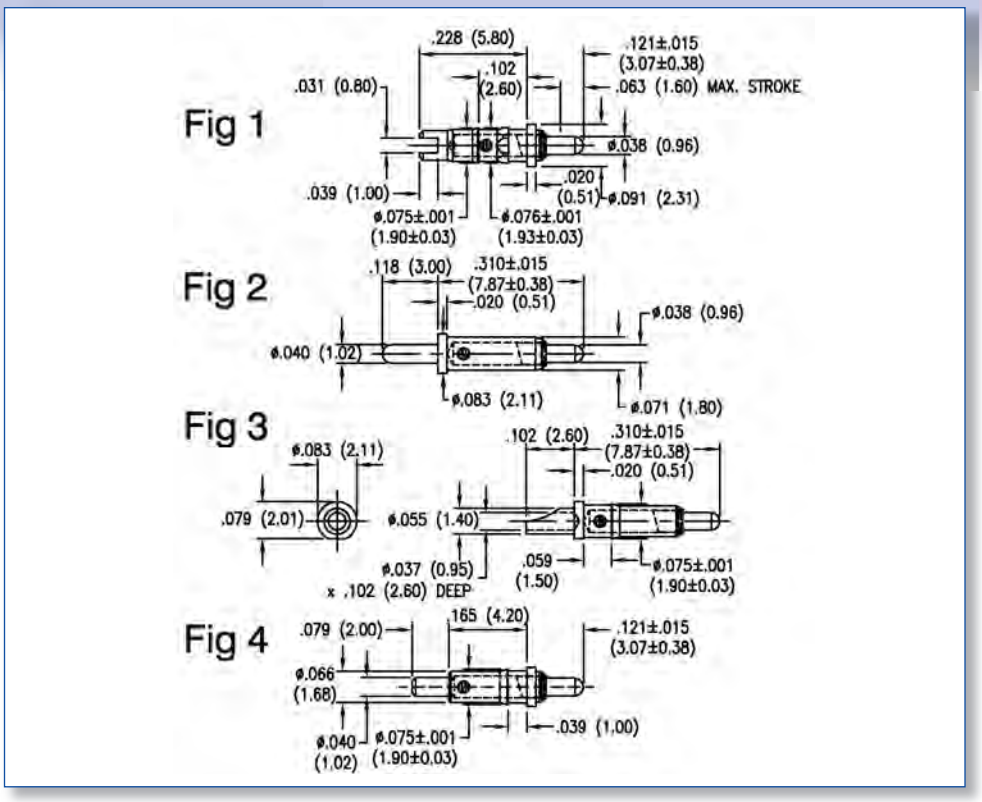
INSULATED

SINGLE IN LINE

DUAL IN LINE

section 03

Dimensions in inches (mm)



How to order code

4XX - 8XXX - 01 - 03 - 00

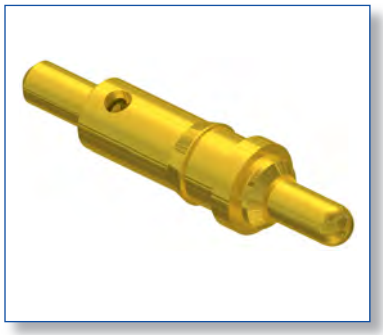
Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Plunger	Brass	✓
Spring	Stainless Steel	✓

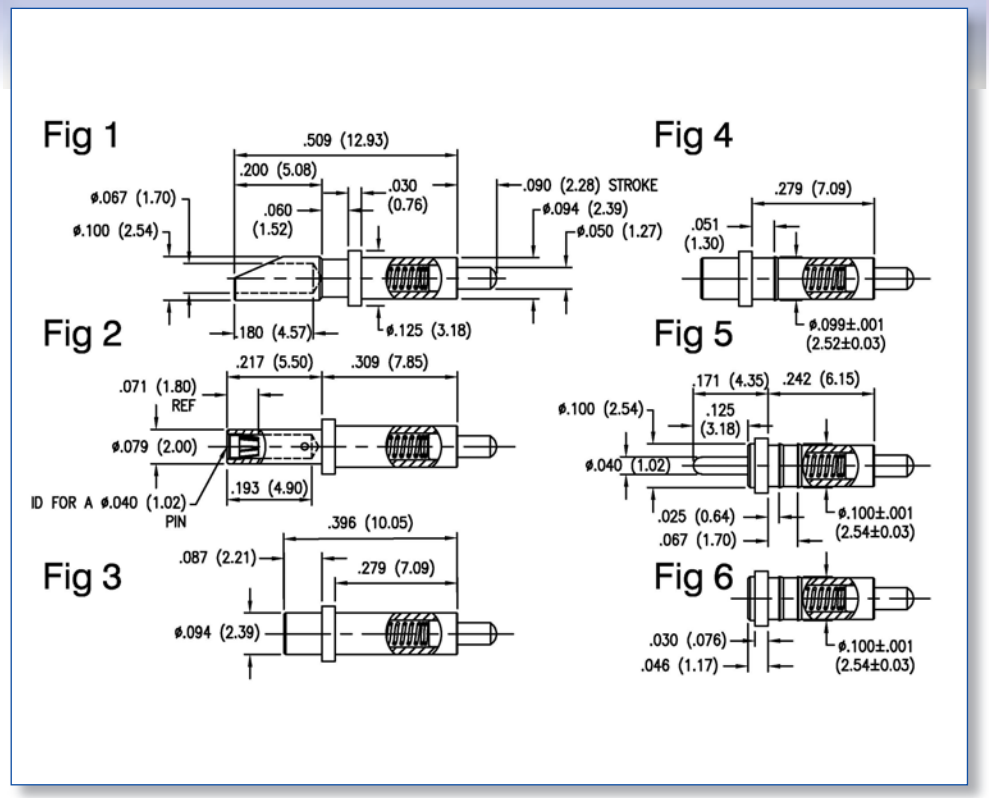
Finish Code Table				
Dash No.	Body Finish	Plunger Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	Gold over Nickel	✓

Fig.	Basic Part No	Mounting style
1	410-8016-01-03-00	Solder mount Ø.071 (1.80) Hole
2	410-8017-01-03-00	Solder mount Ø.043 (1.09) Hole
3	410-8018-01-03-00	Solder mount Ø.071 (1.80) Hole
4	410-8023-01-03-00	Solder mount Ø.071 (1.80) Hole

Durability: 50,000 cycles
Rated Current (Free Air): 3A continuous @ 10° DT
Contact Resistance: 30mΩ Max.



Dimensions in inches (mm)



How to order code

4XX - 8XXX - 01 - 03 - 00

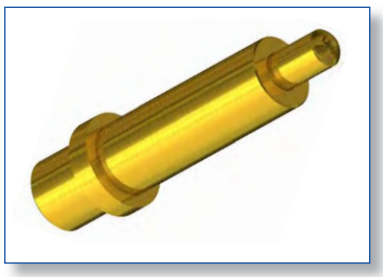
Basic Part No. — Finish

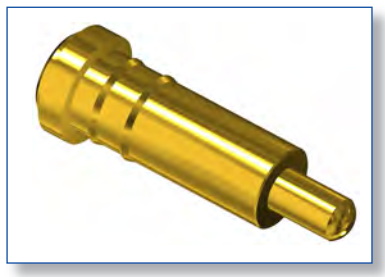
Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Plunger	Brass	✓
Clip	Berrillium Copper (Heat Treated)	✓
Spring	Stainless Steel	✓

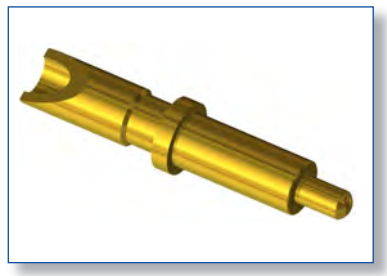
Finish Code Table					
Dash No.	Body Finish	Body Finish	Spring Finish	Clip Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	Gold over Nickel	Gold over Nickel	✓

Fig.	Basic Part No.	Mounting style
1	410-8015-01-03-00	Solder bucket
2	450-8019-01-03-00	Solder mount Ø.098 (2.50) Hole
3	410-8022-01-03-00	Surface mount Ø.096 (2.44) suggested pad size
4	410-8025-01-03-00	Surface mount Ø.096 (2.44) suggested pad size
5	410-8134-01-03-00	Solder mount Ø.045 (1.14) Hole
6	410-8135-01-03-00	Surface mount Ø.100 (2.54) suggested pad size

Durability: 1,000,000 cycles
Rated Current (Free Air): 9A continuous @ 10° DT
Contact Resistance: 20mΩ Max.

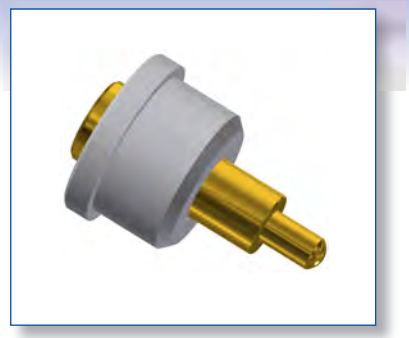


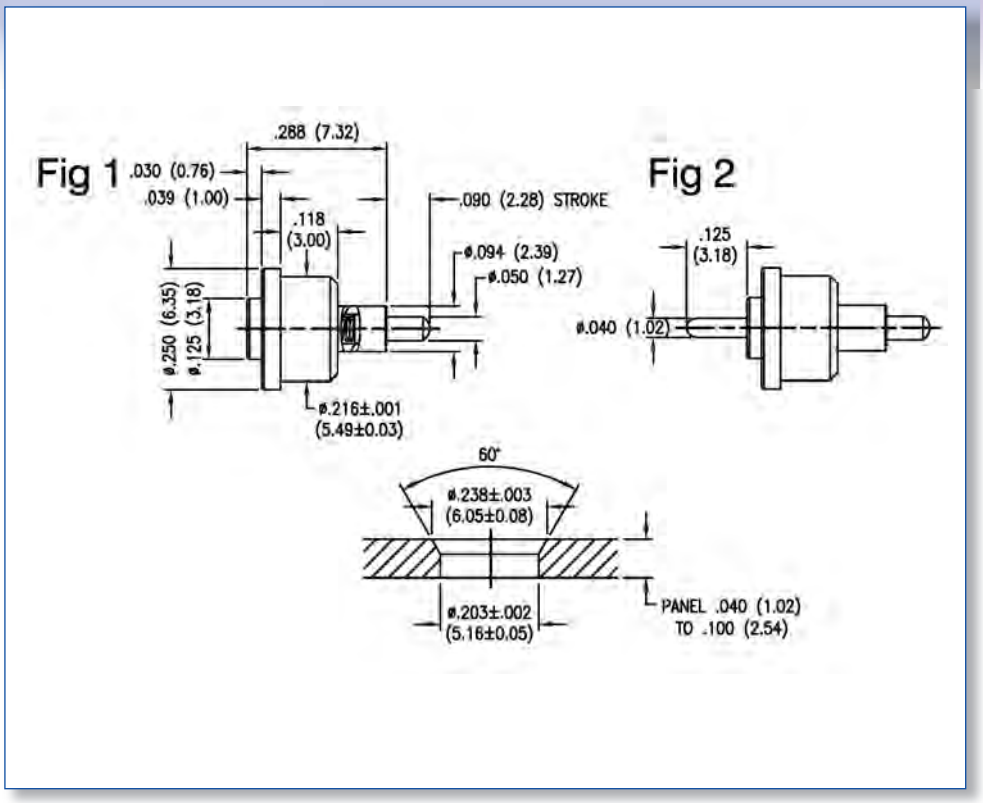




SPRING LOADED CONTACTS – PTFE INSULATED

Dimensions in inches (mm)





How to order code

410 - 813X - 01 - 03 - 19

- 410 - 813X: Basic Part No.
- 03: Finish
- 19: Insulation Colour

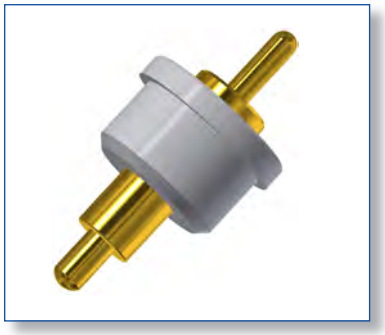
Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Plunger	Brass	✓
Spring	Stainless Steel	✓
Insulator	PTFE	✓

Finish Code Table				
Dash No.	Body Finish	Plunger Finish	Spring Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	Gold over Nickel	✓

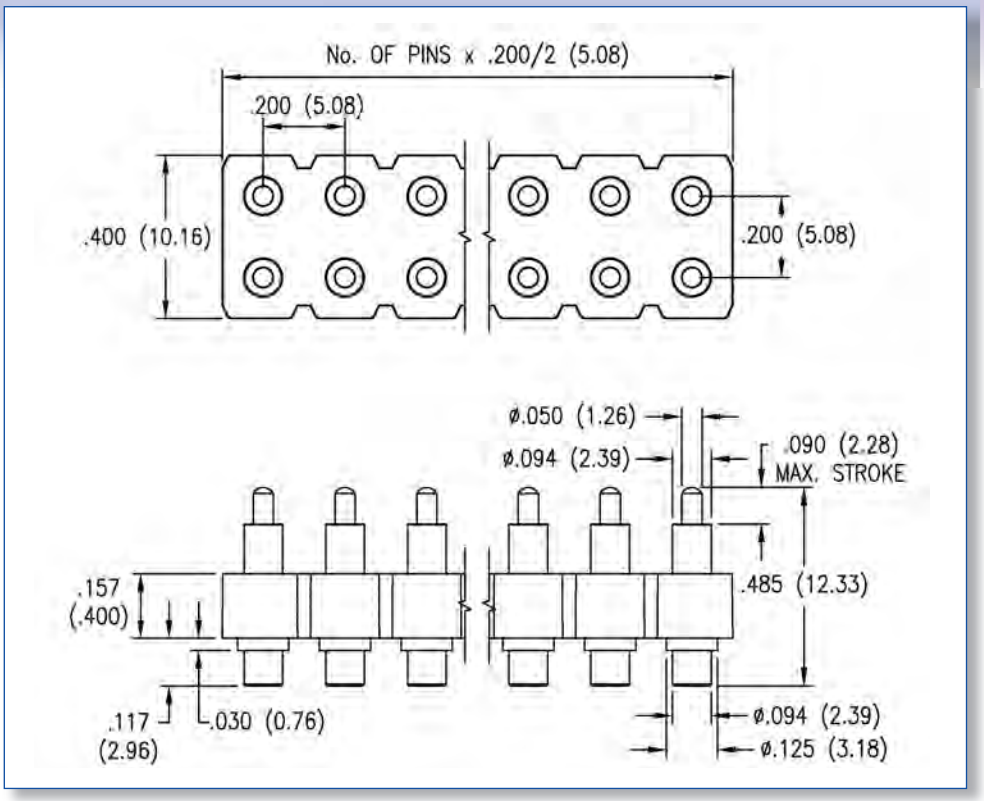
Colour Code Table	
Dash No.	Colour
-19	White

Fig.	Basic Part No	Mounting style
1	410-8136-01-03-19	Press fit Ø.203 (5.16) Hole
2	410-8137-01-03-19	Press fit Ø.203 (5.16) Hole

Durability: 1,000,000 cycles
Rated Current (Free Air): 9A continuous @ 10° DT
Contact Resistance: 20mΩ Max..



Dimensions in inches (mm)



How to order code

703 - 8650 - XX- 03 - 10

Basic Part No.

No. of ways
04 thru' 20

Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Plunger	Brass	✓
Spring	Stainless Steel	✓
Insulator	Nylon 46	✓

Finish Code Table					
Dash No.	Body Finish	Plunger Finish	Spring Finish	Clip Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	Gold over Nickel	Gold over Nickel	✓

Colour Code Table	
Dash No.	Colour
-10	Black

Basic Part No	Mounting style
703-8650-XX-03-10	Solder mount Ø.098 (2.50) Hole

Durability: 1,000,000 cycles
Rated Current (Free Air): 9A continuous @ 10° DT
Contact Resistance: 20mΩ Max..

Dimensions in inches (mm)

Fig 1

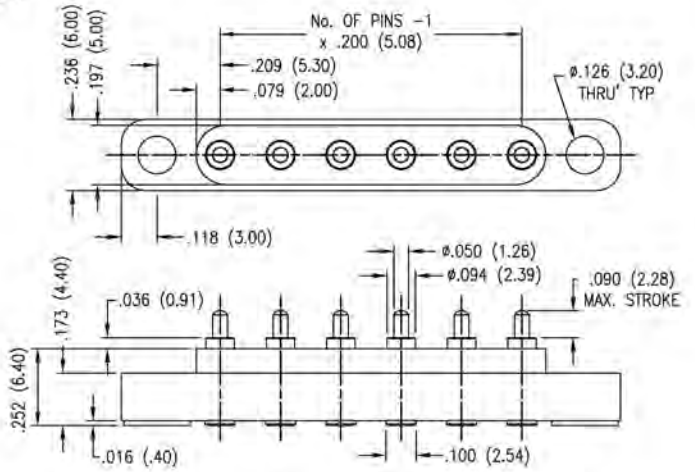
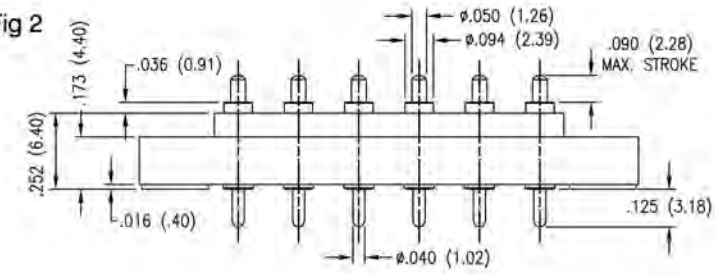


Fig 2



How to order code

703 - 812X - XX- 03 - 10

Basic Part No.

No. of ways
02 thru' 06

Material Code Table		
Component	Material	RoHS
Body	Brass	✓
Plunger	Brass	✓
Spring	Stainless Steel	✓
Insulator	Nylon 46	✓

Finish Code Table					
Dash No.	Body Finish	Plunger Finish	Spring Finish	Clip Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	Gold over Nickel	Gold over Nickel	✓

Colour Code Table	
Dash No.	Colour
-10	Black

Fig.	Basic Part No	Mounting style
1	703-8127-XX-03-10	Surface mount Ø.100 (2.54) suggested pad size
2	703-8128-XX-03-10	Solder mount Ø.048 (1.22) Hole

Durability: 1,000,000 cycles
Rated Current (Free Air): 9A continuous @ 10° DT
Contact Resistance: 20mΩ Max.





SHORTING LINKS - PLUG INCLUDING NON-MAGNETIC

SHORTING LINKS - SOCKET

TEST POINTS

COMPONENT CLIPS

CONNECTABALL - MALE

CONNECTABALL - FEMALE

PATCHCORDS

PATCHCORDS - SUB-MINIATURE - POLARISED

SOCKET ADAPTER BOARDS

RELAY BASES

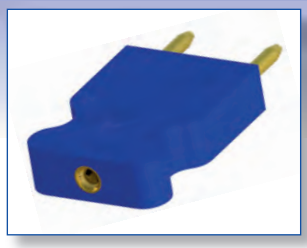
BATTERY HOLDERS

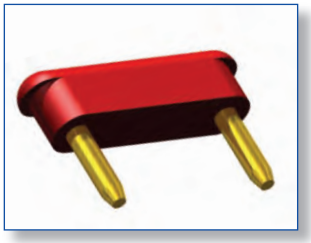
CARD EJECTORS

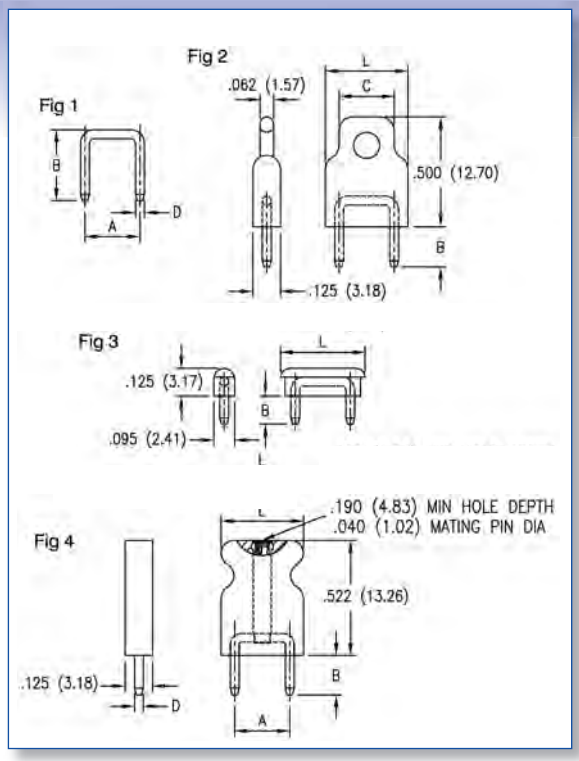
TERMINAL BOARDS

section 04

SHORTING LINKS - PLUG





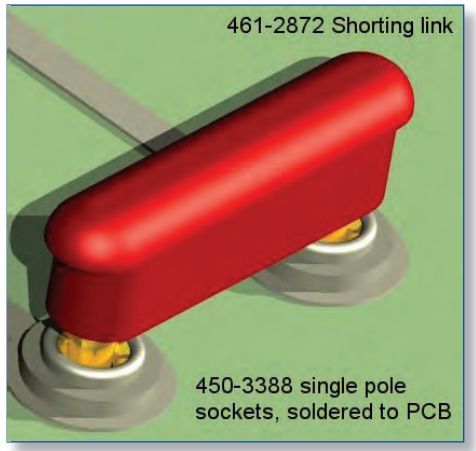


Dimensions in inches (mm)

How to order code

XXX - XXXX - XX - 03 - XX

- XXX - XXXX: Basic Part No.
- XX: Pin Finish
- XX: Insulator Colour (where applicable)



Typical application

Material Code Table			
Component		Material	RoHS
Insulation		Polypropylene	✓
Pin		Brass Brass - Non Magnetic*	✓
Socket	Body	Copper	✓
	Spring	Beryllium Copper (Heat Treated)	✓

Finish Code Table		
Dash No.	Pin Finish	RoHS
-03	Gold over Nickel Gold over Copper*	✓

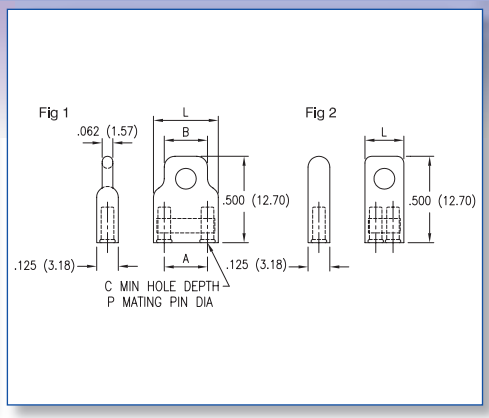
Insulation Colour Code Table	
Dash No.	Colour
-00	None
-10	Black
-12	Red
-16	Blue

Fig.	Basic Part No		A	L	B	C	D
1	360-0017	-01 -02 -03 -04 -05	.200 (5.08) .250 (6.35) .300 (7.62) .400 (10.16) .500 (12.70)	-	.261 (6.63)	-	.040 (1.02)
	360-8118	-01* -02* -03* -04* -05*	.200 (5.08) .250 (6.35) .300 (7.62) .400 (10.16) .500 (12.70)	-	.261 (6.63)	-	.040 (1.02)
2	461-2871	-01 -02	.200 (5.08) .250 (6.35)	.375 (9.53)	.181 (4.60)	.250 (6.35)	.040 (1.02)
	461-8116	-01* -02*	.200 (5.08) .250 (6.35)	.375 (9.53)	.181 (4.60)	.250 (6.35)	.040 (1.02)
	461-3771	-01 -02	.400 (10.16) .500 (12.70)	.620 (15.75)	.181 (4.60)	.432 (10.97)	.040 (1.02)
	461-8119	-01* -02*	.200 (5.08) .250 (6.35)	.620 (15.75)	.181 (4.60)	.432 (10.97)	.040 (1.02)
3	461-2251	-01 -02 -03 -04 -05	.200 (5.08) .250 (6.35) .300 (7.62) .400 (10.16) .500 (12.70)	.334 (8.48) .384 (9.75) .434 (11.02) .534 (13.56) .634 (16.10)	.125 (3.18)	-	.025 (0.64)
	461-2872	-01 -02 -03 -04 -05	.200 (5.08) .250 (6.35) .300 (7.62) .400 (10.16) .500 (12.70)	.334 (8.48) .384 (9.75) .434 (11.02) .534 (13.56) .634 (16.10)	.181 (4.60)	-	.040 (1.02)
4	460-8500	-01	.250 (6.35)	.375 (9.53)	.181 (4.60)	-	.040 (1.02)

460-8500 – Other colours available, consult factory

SHORTING LINKS - SOCKET

Dimensions in inches (mm)



How to order code

450 - XXXX - 01 - 06 - XX

- 450 - XXXX - 01: Basic Part No.
- 06: Socket Finish
- XX: Insulator Colour

Material Code Table			
Component		Material	RoHS
Insulation		Polypropylene	✓
Socket:	Body	Copper	✓
	Spring	Beryllium Copper (Heat Treated)	✓
Strap		Bronze	✓

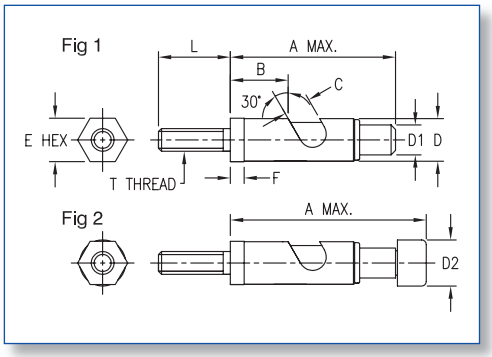
Finish Code Table				
Dash No.	Socket Body Finish	Spring Finish	Strap Finish	RoHS
-06	Electro-Tin	Gold over Nickel	Electro-Tin	✓

Insulation Colour Code Table	
Dash No.	Colour
-10	Black
-12	Red
-16	Blue

Fig.	Basic Part No.	P	A	B	C	L
1	450-3775 -01	.040 (1.02)	.200 (5.08)	.250 (6.35)	.190 (4.83)	.375 (9.53)
	450-3776 -01	.040 (1.02)	.400 (10.16)	.432 (10.97)	.190 (4.83)	.620 (15.75
2	450-4774 -01	.031 (0.79)	.100 (2.54)	-	.190 (4.83)	.240 (6.10)
	450-4775 -01	.040 (1.02)	.100 (2.54)	-	.190 (4.83)	.240 (6.10)

COMPONENT CLIPS

Dimensions in inches (mm)



How to order code

410 - XXXX - 01 - 02 - XX

- 410 - XXXX - 01: Basic Part No.
- 02: Finish
- XX: Cap Colour (where applicable)

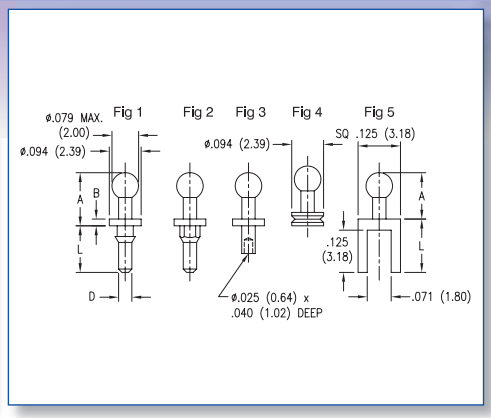
Material Code Table		
Component	Material	RoHS
Pin	Brass	✓
Plunger		
Spring	Cres. Steel	✓
Cap	Nylon	✓

Finish Code Table				
Dash No.	Housing Finish	Plunger Finish	Spring Finish	RoHS
-02	Nickel	Nickel	Passivated	✓

Colour Code Table	
Dash No.	Colour
-00	None
-19	White

Fig.	Basic Part No.	A	B	C	D	D1	D2	E	F	L	T
1	410-2146 -01	.371 (9.42)	.140 (3.56)	.040 (1.02)	.125 (3.18)	.070 (1.78)	-	.156 (3.96)	.060 (1.52)	.218 (5.54)	2 - 56
	410-2329 -01	.524 (13.31)	.220 (5.59)	.055 (1.40)	.156 (3.96)	.094 (2.39)	-	.156 (3.96)	.060 (1.52)	.218 (5.54)	2 - 56
	410-2339 -01	.752 (19.10)	.282 (7.16)	.085 (2.16)	.187 (4.75)	.130 (3.30)	-	.188 (4.78)	.060 (1.52)	.312 (7.92)	3 - 48
2	410-2844 -01	.496 (12.60)	.140 (3.56)	.040 (1.02)	-	-	.170 (4.32)	.156 (3.96)	.060 (1.52)	.218 (5.54)	2 - 56
	410-2832 -01	.863 (21.92)	.282 (7.16)	.085 (2.16)	-	-	.215 (5.46)	.188 (4.78)	.060 (1.52)	.312 (7.92)	3 - 48

CONNECTABALL - MALE



Dimensions in inches (mm)
See page 94 for recommended Anvil and Punch

How to order code

460 - 845X - XX - XX - 00

- 460 - 845X: Basic Part No.
- XX: Fabrication (460-8452 only)
- XX: Finish
- 00

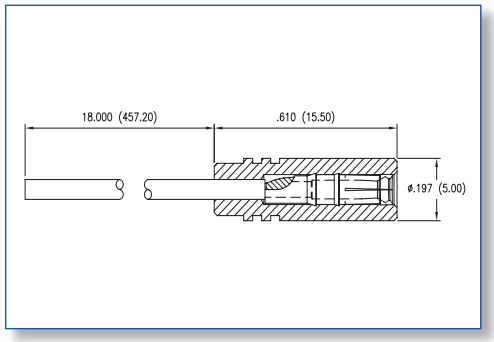
Material Code Table		
Component	Material	RoHS
Connectaball	Brass	✓

Finish Code Table		
Dash No.	Finish	RoHS
-01	Silver	✓
-03	Gold 50μ"(1.25μm)	✓
-93	Gold 10μ"(0.25μm)	✓
-04	Electro - Tin	✓

Fig.	Basic Part No.	L	Board Thickness	A	B	D	Mtg. Hole Diameter
1	460-8450 -01	.138 (3.50)	-	.157 (4.00)	.020 (0.50)	.039 (1.00)	.051 (1.30)
2	460-8451 -01	.138 (3.50)	-	.157 (4.00)	.020 (0.50)	.039 (1.00)	.051 (1.30)
3	460-8452 -01	.051 (1.30)	.031 (0.79)	.157 (4.00)	.020 (0.50)	.039 (1.00)	.043 (1.09)
	-02*	.082 (2.08)	.062 (1.57)				
	-03	.113 (2.87)	.094 (2.39)				
4	460-8453 -01	-	-	.177 (4.50)	.039 (1.00)	.094 (2.39)	-
5	460-8454 -02	.157 (4.00)	-	.138 (3.50)	-	-	-

*Prefered - others to order

CONNECTABALL - FEMALE



Dimensions in inches (mm)

How to order code

445 - 860X - 01 - XX - XX

- 445 - 860X: Basic Part No.
- 01
- XX: Finish
- XX: Colour

Material Code Table		
Component	Material	RoHS
Contact	Brass	✓
Insulator	PTFE	✓*
Wire	See Table	✓

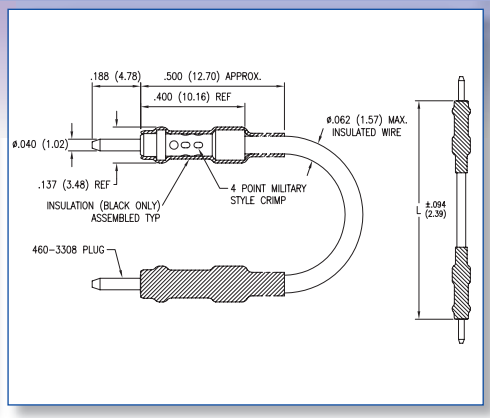
Finish Code Table		
Dash No.	Finish	RoHS
-01	Silver	✓
-03	Gold (1.25μm 50μ")	✓
-93	Gold (0.25μm 10μ")	✓
-04	Electro - Tin	✓

Colour Code Table	
Dash No.	Colour
-10	Black
-12	Red*
-19	White

Basic Part No.	Wire Diameter	Wire Insulation	Max. Operating Current	Max. Contact Resistance	Connector Engaging Force (Max.)	Resistance to pull (Min.)
445-8600 -01	19 x 0.2mm	PTFE	3A	5 mΩ	60N	4.9N
445-8601 -01	28 x 0.15mm	PVC	3A	5 mΩ	60N	4.9N

*Red PTFE is not RoHS compliant

Dimensions in inches (mm)



How to order code

445 - 3306 - XX - 03 - XX

- 445 - 3306 - XX: Basic Part No.
- 03: Plug Finish
- XX: Wire Colour

Material Code Table			
Component		Material	RoHS
Insulation		Polyolefin Plastic	✓
Plug		Brass	✓
Insulated Wire:	Wire	Copper	✓
	Insulation	PTFE	✓

Finish Code Table		
Dash No.	Plug Finish	RoHS
-03	Gold	✓

Wire Code Table			
Dash No.	Wire Colour	Dash No.	Wire Colour
-10*	Black	-15	Green
-11	Brown	-16*	Blue
-12*	Red	-17	Violet
-13	Orange	-18	Grey
-14	Yellow	-19	White

Basic Part No.	L
445-3306 -02	4.000 (101.60)
-03	6.000 (152.40)

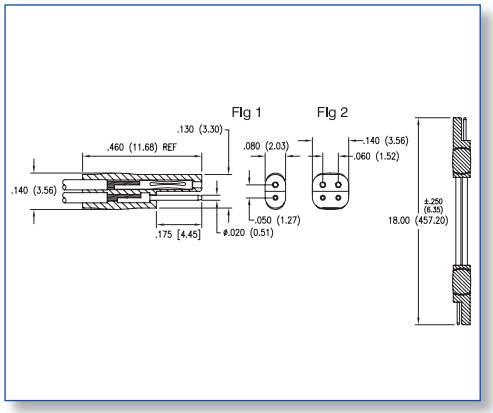
Basic Part No.	L
445-3306 -04	8.000 (203.20)
-05	12.000 (304.80)

Wire Colour *Standard – Others to order

Wire Data Ref: #20 AWG, 7 Strands #28 AWG Silver Plated Copper Wire

PATCHCORDS - SUB-MINIATURE - POLARISED

Dimensions in inches (mm)



How to order code

444 - 151X - 18 - 03 - XX

- 444 - 151X - 18: Basic Part No.
- 03: Plug Jack Finish
- XX: Wire Colour

Material Code Table			
Component		Material	RoHS
Insulation		Nylon	✓
Jack		Beryllium Copper	✓
Pin		Brass	✓
Insulated Wire:	Wire	Copper	✓
	Insulation	Vinyl	✓
Solder		60/40 Tin/Lead	X

Finish Code Table		
Dash No.	Plug - Jack Finish	RoHS
-03	Gold	✓

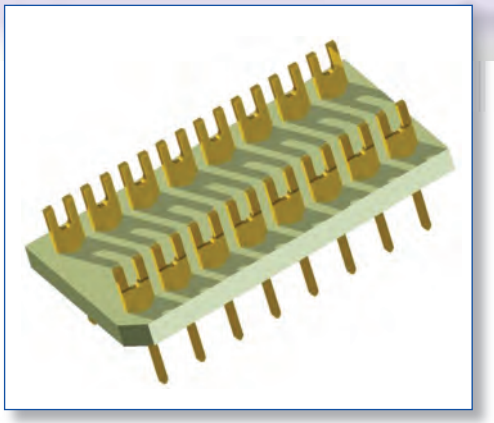
Wire Code Table for Fig. 1	
Dash No.	Wire Colour
-01	White, White
-02	Black, Red

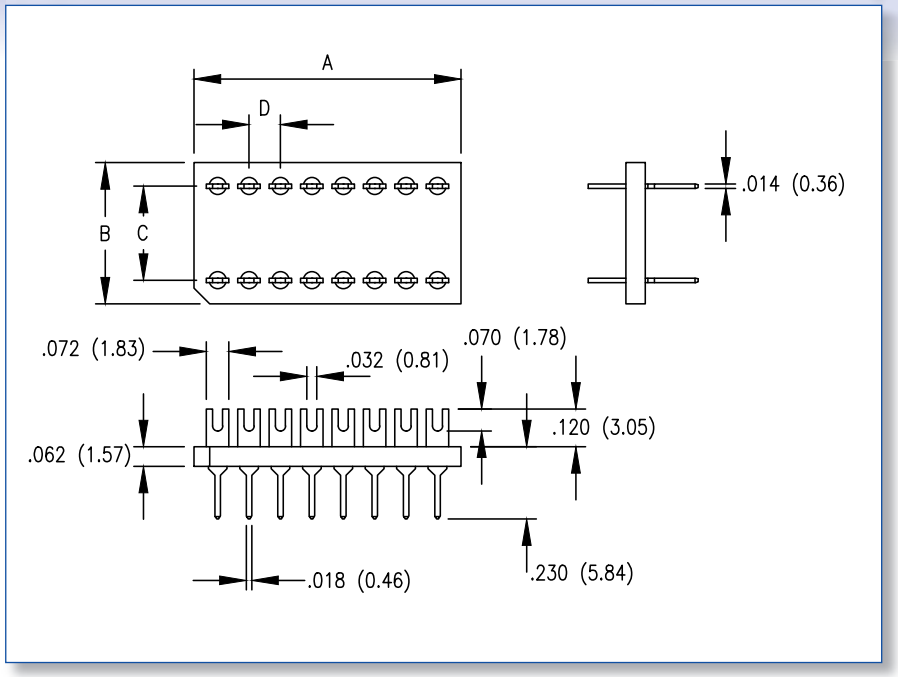
Wire Code Table for Fig. 2	
Dash No.	Wire Colour
-01	White, White,White, White
-02	Black, Red, White, Green

Fig.	Basic Part No.	Current Capacity Per Wire
1	444-1514 -18	1.5A
2	444-1515 -18	1.5A

Cable may be cut into two different sub-lengths as required by the user

Dimensions in inches (mm)





How to order code

702 - XXXX - 01 - XX - 00

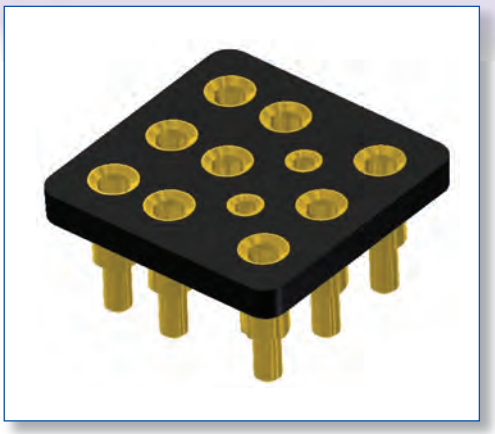
Basic Part No. — **Finish**

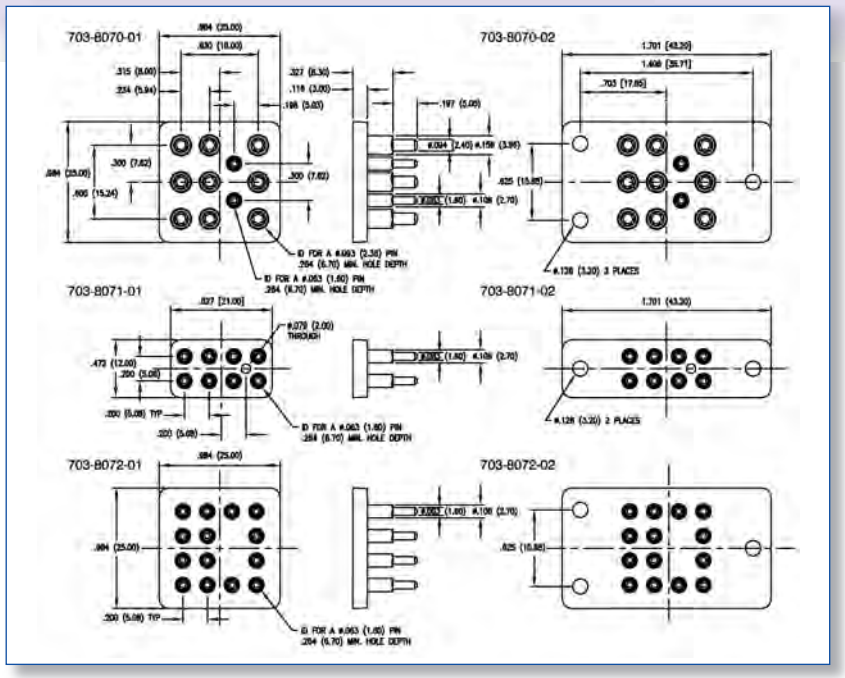
Material Code Table		
Component	Material	RoHS
Board	FR4	✓
Pins	Phosphor Bronze	✓

Finish Code Table		
Dash No.	Pins	RoHS
-03	Gold over Nickel	✓
-04	Electro-Tin	✓

Basic Part No.	No. of Pins	A	B	C	D
702-5162-01	6	.350 (8.89)	.450 (11.43)	.300 (7.62)	.100 (2.54)
702-3720-01	8	.450 (11.43)	.450 (11.43)	.300 (7.62)	.100 (2.54)
702-3723-01	8	.750 (19.05)	.450 (11.43)	.300 (7.62)	.200 (5.08)
702-3725-01	14	.750 (19.05)	.450 (11.43)	.300 (7.62)	.100 (2.54)
702-3728-01	16	.850 (21.59)	.450 (11.43)	.300 (7.62)	.100 (2.54)
702-3733-01	24	1.250 (31.75)	.750 (19.05)	.600 (15.24)	.100 (2.54)
702-3700-01	40	2.050 (52.07)	.750 (19.05)	.600 (15.24)	.100 (2.54)

Dimensions in inches (mm)





How to order code

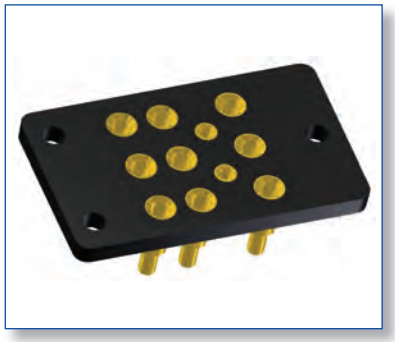
703 - 807X - XX - 03 - 10

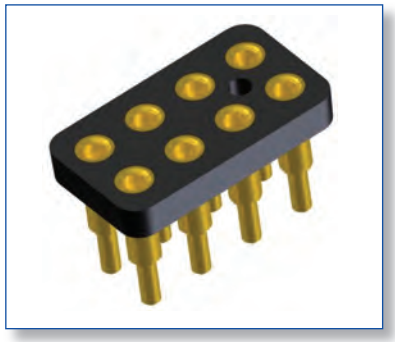
- 703 - 807X: Basic Part No.
- XX: Mounting Ear Option
- 03: Finish
- 10: Colour

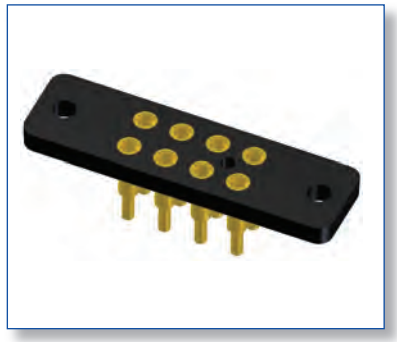
Material Code Table		
Component	Material	RoHS
Carrier	High Temp Plastic	✓
Socket Bodies	Brass	✓
Socket Clips	Berryllium Copper (Heat Treated)	✓

Finish Code Table			
Dash No.	Socket Body Finish	Socket Clip Finish	RoHS
-03	Gold over Nickel	Gold over Nickel	✓

Colour Code Table	
Dash No.	Colour
-10	Black

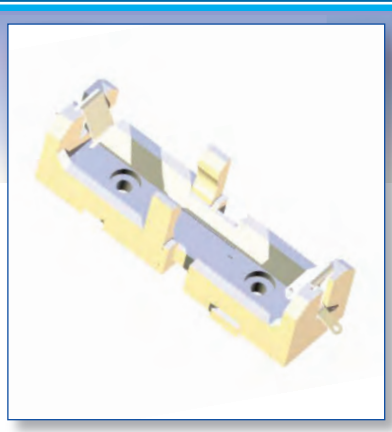


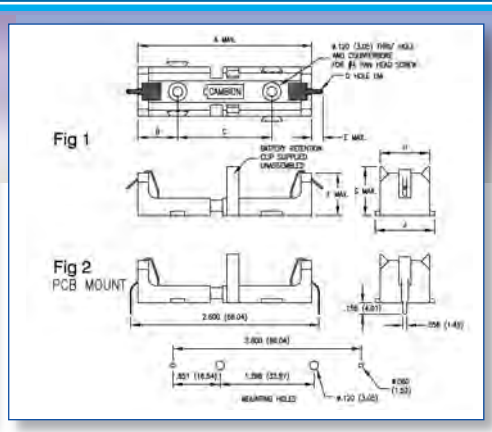


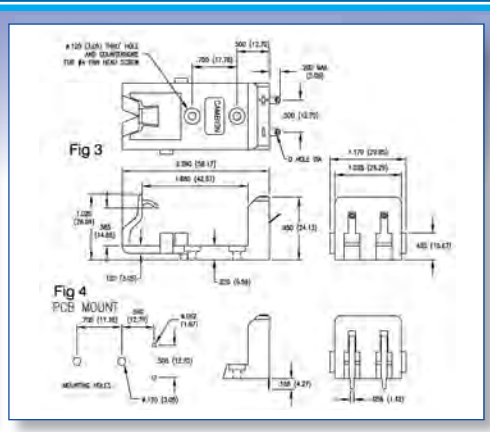


Other styles and configurations available, please consult factory.

BATTERY HOLDERS







Dimensions in inches (mm)

How to order code

400 - XXXX - 01 - 00 - 20

Basic Part No. — Colour

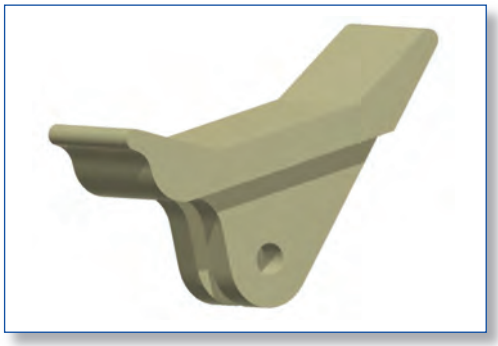
Material Code Table		
Component	Material	RoHS
Body	Polyester	✓
Clip	Polyester	✓
Spring & Solder Lug	Phosphor Bronze	✓

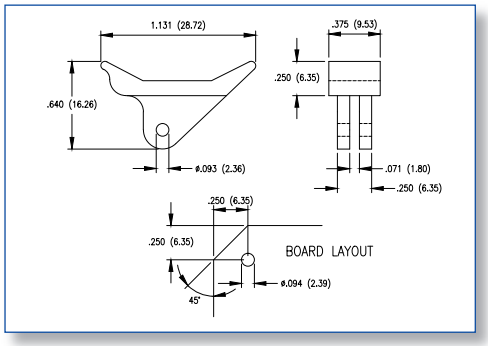
Finish Code Table		
Dash No.	Spring & Solder Lug Finish	RoHS
-04	Electro-Tin	✓

Colour Code Table	
Dash No.	Colour
-20	Natural

Fig.	Basic Part No.	Battery Size	A	B	C	D	E	F	G	H	J
1	400-2800 -01	C	2.400 (60.96)	.590 (14.99)	1.200 (30.48)	.065 (1.65)	.280 (7.11)	1.080 (27.43)	1.193 (30.30)	1.090 (27.69)	1.200 (30.48)
	400-2801 -01	D	2.930 (74.42)	.650 (16.51)	1.592 (40.44)	.065 (1.65)	.280 (7.11)	1.335 (33.91)	1.400 (35.36)	1.500 (38.10)	1.600 (40.64)
	400-2802 -01	AA	2.430 (61.72)	.550 (13.97)	1.298 (32.97)	.046 (1.17)	.220 (5.59)	.780 (19.81)	.747 (18.97)	.680 (17.27)	.773 (19.63)
2	400-2803 -01	AA	2.430 (61.72)	.550 (13.97)	1.298 (32.97)	-	-	.765 (19.43)	.747 (18.97)	.680 (17.27)	.773 (19.63)
3	400-1800 -01	PP3	-	-	-	.046 (1.17)	-	-	-	-	-
4	400-1803 -01	PP3	-	-	-	-	-	-	-	-	-

CARD EJECTORS





Dimensions in inches (mm)

How to order code

415 - 7036 - 01 - 00 - XX

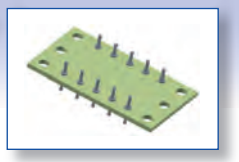
Basic Part No. — Colour

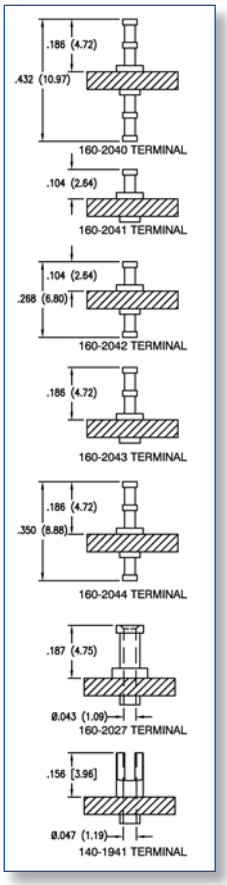
Material Code Table		
Component	Material	RoHS
Ejector	Nylon 6/6	✓

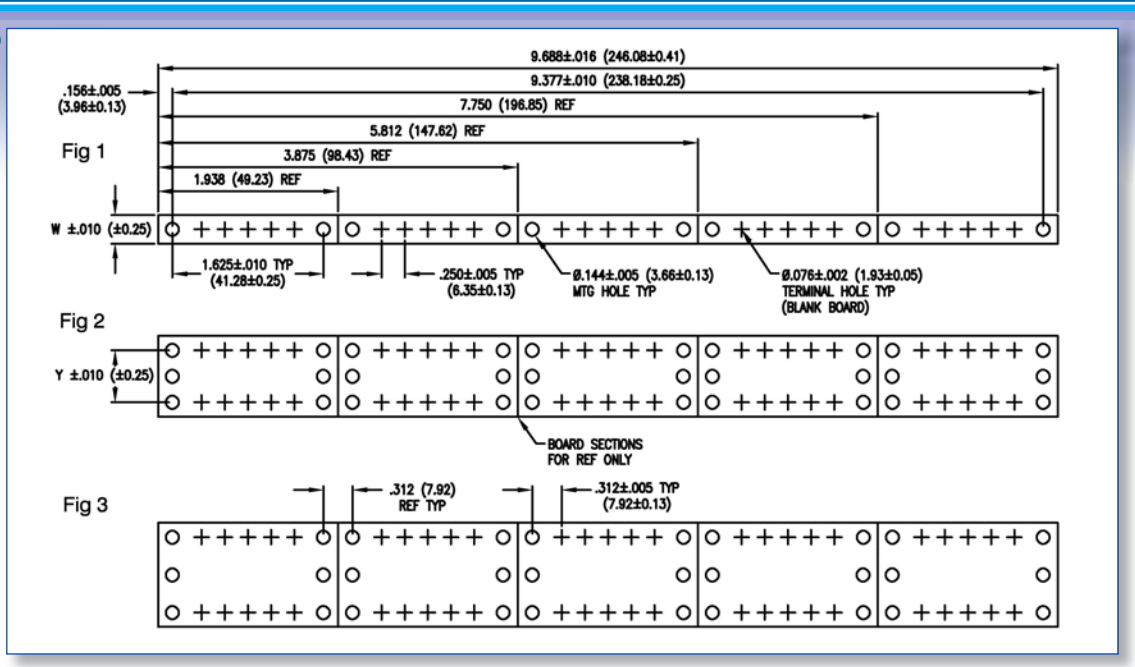
Steel spring pins supplied un-assembled

Colour Code Table	
Dash No.	Colour
-10	Black
-12	Red
-13	Orange
-15	Green
-16	Blue
-20	Natural (White)

Dimensions in inches (mm)







How to order code

200 - 13XX - 2X - XX - 02

- Basic Part No.
- Board Thickness (1.57 ± 0.20)
- No. of Sections
- Terminal Finish
- Board Material (GEE)

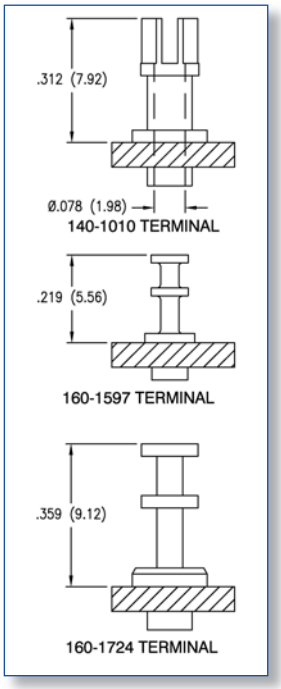
Number of Sections	
1	1 Section
2	2 Section
3	3 Section
4	4 Section
5	5 Section

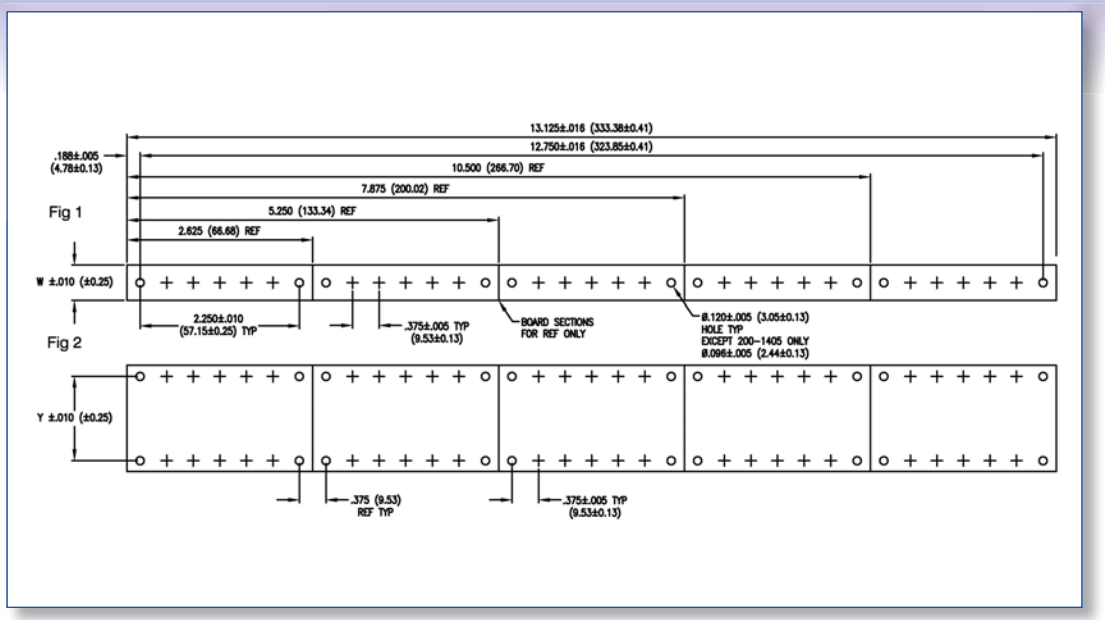
Material Code Table		
Component	Material	RoHS
Terminal Board	Epoxy, Glass Cloth (Type GEE)	✓
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-05	Electro-Solder	X

Fig.	Assembly Basic Part No.	W	Y	Terminal Basic Part No.	Catalogue Page Ref.	Blank Board Part No.
1	200-1310	.312 (7.92)	-	160-2040	59	200-1309-2X-00-02
	200-1311	.312 (7.92)	-	160-2041	53	200-1309-2X-00-02
	200-1312	.312 (7.92)	-	160-2042	58	200-1309-2X-00-02
	200-1313	.312 (7.92)	-	160-2043	53	200-1309-2X-00-02
	200-1314	.312 (7.92)	-	160-2044	59	200-1309-2X-00-02
	200-1315	.312 (7.92)	-	160-2027	51	200-1309-2X-00-02
	200-1316	.312 (7.92)	-	140-1941	60	200-1309-2X-00-02
2	200-1320	.875 (22.23)	.562 (14.27)	160-2040	59	200-1319-2X-00-02
	200-1321	.875 (22.23)	.562 (14.27)	160-2041	53	200-1319-2X-00-02
	200-1322	.875 (22.23)	.562 (14.27)	160-2042	58	200-1319-2X-00-02
	200-1323	.875 (22.23)	.562 (14.27)	160-2043	53	200-1319-2X-00-02
	200-1324	.875 (22.23)	.562 (14.27)	160-2044	59	200-1319-2X-00-02
	200-1325	.875 (22.23)	.562 (14.27)	160-2027	51	200-1319-2X-00-02
	200-1326	.875 (22.23)	.562 (14.27)	140-1941	60	200-1319-2X-00-02
3	200-1330	1.125 (28.58)	.812 (20.62)	160-2040	59	200-1329-2X-00-02
	200-1331	1.125 (28.58)	.812 (20.62)	160-2041	53	200-1329-2X-00-02
	200-1332	1.125 (28.58)	.812 (20.62)	160-2042	58	200-1329-2X-00-02
	200-1333	1.125 (28.58)	.812 (20.62)	160-2043	53	200-1329-2X-00-02
	200-1334	1.125 (28.58)	.812 (20.62)	160-2044	59	200-1329-2X-00-02
	200-1335	1.125 (28.58)	.812 (20.62)	160-2027	51	200-1329-2X-00-02
	200-1336	1.125 (28.58)	.812 (20.62)	140-1941	60	200-1329-2X-00-02

Dimensions in inches (mm)





How to order code

200 - 14XX - XX - XX - 02

- Basic Part No.
- Board Thickness ± .008 (0.20)
- No. of Sections
- Terminal Finish
- Board Material (GEE)

Number of Sections	
1	1 Section
2	2 Section
3	3 Section
4	4 Section
5	5 Section

Board Thickness Table	
-2*	.062 (1.57)
-3	.094 (2.39)
-4	.125 (3.18)

*200-1405 only

Material Code Table		
Component	Material	RoHS
Terminal Board	Epoxy, Glass Cloth (Type GEE)	✓
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-05	Electro-Solder	X

Fig.	Assembly Basic Part No.	W	Y	Terminal Basic Part No.	Catalogue Page Ref.	Blank Board Part No.
1	200-1401	.500 (12.70)	-	160-1724	52	200-1410-XX-00-02
	200-1411	.500 (12.70)	-	140-1010	62	200-1410-XX-00-02
2	200-1405	1.062 (26.97)	.750 (19.05)	160-1597	52	200-1435-XX-00-02
	200-1407	1.500 (38.10)	1.000 (25.40)	160-1724	52	200-1424-XX-00-02
	200-1406	1.500 (38.10)	1.188 (30.18)	160-1724	52	200-1415-XX-00-02
	200-1416	1.500 (38.10)	1.188 (30.18)	140-1010	62	200-1415-XX-00-02
	200-1402	2.000 (50.80)	1.500 (38.10)	160-1724	52	200-1420-XX-00-02
	200-1421	2.000 (50.80)	1.500 (38.10)	140-1010	62	200-1420-XX-00-02
	200-1403	2.500 (63.50)	2.000 (50.80)	160-1724	52	200-1425-XX-00-02
	200-1426	2.500 (63.50)	2.000 (50.80)	140-1010	62	200-1425-XX-00-02
	200-1404	3.000 (76.20)	2.500 (63.50)	160-1724	52	200-1430-XX-00-02
	200-1431	3.000 (76.20)	2.500 (63.50)	140-1010	62	200-1430-XX-00-02

PTFE INSULATED, PRESS MOUNT

PTFE INSULATED, PRESS MOUNT, FEEDTHROUGH

PTFE INSULATED FEEDTHROUGH THREAD MOUNT

CERAMIC INSULATED FEEDTHROUGH THREAD MOUNT

PTFE INSULATED, STAND OFF, THREAD MOUNT

CERAMIC INSULATED, STAND OFF

MOULDED DAP, STAND OFF

MOULDED DAP, PIN

MOULDED DAP, SINGLE TURRET

MOULDED DAP, TWIN TURRET

MOULDED DAP, SLOTTED

TURRET

FLARED - SWAGE MOUNT
INCLUDING NON-MAGNETIC

TURRET THROUGH HOLE

TURRET THREAD MOUNT

EYELET

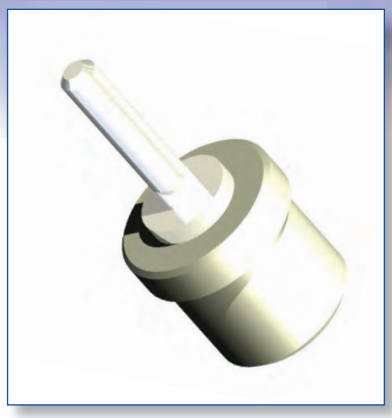
SWAGED FEEDTHROUGH

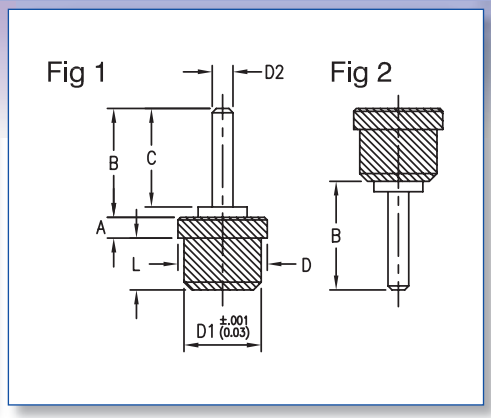
TURRET, FEEDTHROUGH

SLOTTED

section 05

SOLDER TERMINALS - PTFE INSULATED, PRESS MOUNT





Dimensions in inches (mm)
See page 91 for Mounting Instructions

How to order code

571 - 4XXX - XX - XX - 19

- 571 - 4XXX: Basic Part No.
- XX: Terminal Finish
- XX: Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	PTFE	✓
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-05	Electro-Solder	X

Insulation Colour Code Table	
Dash No.	Colour
-19	White

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	Mtg. Hole Diameter	Capacitance (pF)	Flashover VRMS at Sea Level
1	571-4029 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.190 (4.83)	.172 (4.37)	.149 (3.78)	.040 (1.02)	.136 (3.45)	0.5	3000
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)								0.5	3000
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)								0.5	3000
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)								0.5	3000
	571-4030 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.094 (2.39)	.210 (5.33)	.190 (4.83)	.172 (4.37)	.149 (3.78)	.040 (1.02)	.136 (3.45)	0.5	4200
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)								0.5	5500
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)								0.5	5500
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)								0.5	5500
	571-4037 -01	.060 (1.52)	.016 (.041) only	.040 (1.02)	.210 (5.33)	.190 (4.83)	.172 (4.37)	.149 (3.78)	.040 (1.02)	.136 (3.45)	0.5	3000
	571-4043 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.450 (11.43)	.430 (10.92)	.172 (4.37)	.149 (3.78)	.040 (1.02)	.136 (3.45)	0.6	2500
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)								0.6	2500
	571-4133 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.320 (8.13)	.300 (7.62)	.250 (6.35)	.216 (5.49)	.040 (1.02)	.203 (5.16)	0.5	3000
	571-4134 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.450 (11.43)	.430 (10.92)	.250 (6.35)	.216 (5.49)	.040 (1.02)	.203 (5.16)	0.5	3500
	571-4135 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.610 (15.49)	.590 (14.99)	.250 (6.35)	.216 (5.49)	.040 (1.02)	.203 (5.16)	0.5	3000
2	571-4031 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.190 (4.83)	.172 (4.37)	.149 (3.78)	.040 (1.02)	.136 (3.45)	0.5	3500
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)								0.5	4000
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)								0.5	4000
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)								0.5	6000
	571-4046 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.450 (11.43)	.430 (10.92)	.172 (4.37)	.149 (3.78)	.040 (1.02)	.136 (3.45)	0.5	3000
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)								0.5	3500
	571-4072 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.450 (11.43)	.430 (10.92)	.188 (4.78)	.172 (4.37)	.040 (1.02)	.158 (4.01)	0.5	3500
	571-4073 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.610 (15.49)	.590 (14.99)	.188 (4.78)	.172 (4.37)	.040 (1.02)	.158 (4.01)	0.5	3000
	571-4109 01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.190 (4.83)	.188 (4.78)	.172 (4.37)	.040 (1.02)	.158 (4.01)	0.5	3000
	571-4136 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.320 (8.13)	.300 (7.62)	.250 (6.35)	.216 (5.49)	.040 (1.02)	.203 (5.16)	0.5	3500
	571-4137 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.450 (11.43)	.430 (10.92)	.250 (6.35)	.216 (5.49)	.040 (1.02)	.203 (5.16)	0.5	3000
	571-4138 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.610 (15.49)	.590 (14.99)	.250 (6.35)	.216 (5.49)	.040 (1.02)	.203 (5.16)	0.5	3500

Other colours available, consult factory.

SOLDER TERMINALS - PTFE INSULATED, PRESS MOUNT

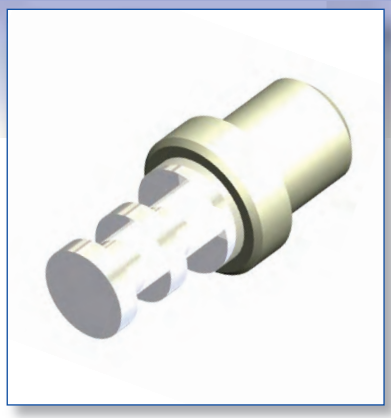


Fig 1

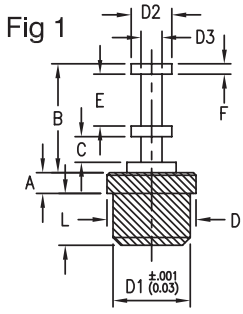
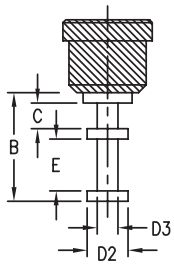


Fig 2



Dimensions in inches (mm)
See page 91 for Mounting Instructions

How to order code

571 - 4XXX - XX - XX - 19

- 571 - 4XXX: Basic Part No.
- XX: Terminal Finish
- XX: Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	PTFE	✓
Terminal	Brass	✓

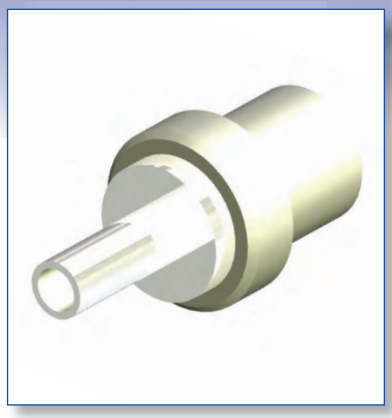
Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-05	Electro-Solder	X

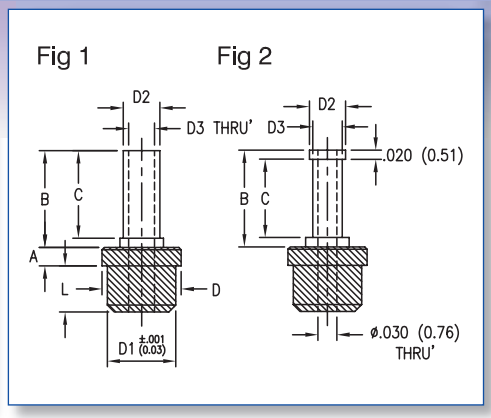
Insulation Colour Code Table	
Dash No.	Colour
-19	White

Fig.	Basic Part No.	L	Board Thickness	A	B	C	E	F	D	D1	D2	D3	Mtg. Hole Diameter	Capacitance (pF)	Flashover VRMS at Sea Level
1	571-4015 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.140 (3.56)	.040 (1.02)	.040 (1.02)	.020 (0.51)	.125 (3.18)	.094 (2.39)	.080 (2.03)	.050 (1.27)	.083 (2.11)	0.5	3000
	571-4016 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.050 (1.27)	.100 (2.54)	.020 (0.51)	.125 (3.18)	.094 (2.39)	.080 (2.03)	.040 (1.02)	.083 (2.11)	0.6	3000
	571-4025 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.050 (1.27)	.100 (2.54)	.020 (0.51)	.172 (4.37)	.149 (3.78)	.080 (2.03)	.040 (1.02)	.136 (3.45)	0.5	3000
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)											0.5	3000
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)											0.5	3000
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)											0.5	3000
	571-4026 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.172 (4.37)	.149 (3.78)	.080 (2.03)	.040 (1.02)	.136 (3.45)	0.5	3000
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)											0.5	3000
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)											0.5	3000
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)											0.6	3000
	571-4027 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.094 (2.39)	.210 (5.33)	.050 (1.27)	.100 (2.54)	.020 (0.51)	.172 (4.37)	.149 (3.78)	.080 (2.03)	.040 (1.02)	.136 (3.45)	0.5	4200
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)											0.5	4200
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)											0.5	4200
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)											0.5	4200
	571-4028 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.094 (2.39)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.172 (4.37)	.149 (3.78)	.080 (2.03)	.040 (1.02)	.136 (3.45)	0.5	4200
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)											0.5	4200
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)											0.5	4200
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)											0.6	4200
	571-4038 -01	.060 (1.52)	.016 (.041) only	.040 (1.02)	.210 (5.33)	.050 (1.27)	.100 (2.54)	.020 (0.51)	.172 (4.37)	.149 (3.78)	.080 (2.03)	.047 (1.19)	.136 (3.45)	0.5	3000
	571-4051 -01	.110 (2.79)	.031 (0.79) to .071 (1.80)	.043 (1.09)	.210 (5.33)	.050 (1.27)	.100 (2.54)	.020 (0.51)	.172 (4.37)	.149 (3.78)	.080 (2.03)	.040 (1.02)	.136 (3.45)	0.6	3000
	571-4140 -01	.150 (3.81)	.031 (0.79) to .110 (2.79)	.125 (3.18)	.146 (3.71)	.038 (0.97)	.048 (1.22)	.020 (0.51)	.188 (4.78)	.165 (4.19)	.094 (2.39)	.045 (1.14)	.152 (3.86)	0.5	5000
	571-4078 -01	.150 (3.81)	.031 (0.79) to .110 (2.79)	.125 (3.18)	.281 (7.14)	.094 (2.39)	.094 (2.39)	.031 (0.79)	.188 (4.78)	.172 (4.37)	.125 (3.18)	.047 (1.19)	.158 (4.01)	0.6	7000
	571-4099 -01	.150 (3.81)	.031 (0.79) to .110 (2.79)	.125 (3.18)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.188 (4.78)	.172 (4.37)	.094 (2.39)	.040 (1.02)	.158 (4.01)	0.6	7000
	571-4100 -01	.150 (3.81)	.031 (0.79) to .110 (2.79)	.188 (4.78)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.188 (4.78)	.172 (4.37)	.094 (2.39)	.040 (1.02)	.158 (4.01)	0.6	9000
	571-4101 -01	.150 (3.81)	.031 (0.79) to .110 (2.79)	.250 (6.35)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.188 (4.78)	.172 (4.37)	.094 (2.39)	.040 (1.02)	.158 (4.01)	0.6	10000
	571-4102 -01	.150 (3.81)	.031 (0.79) to .110 (2.79)	.400 (10.16)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.188 (4.78)	.172 (4.37)	.094 (2.39)	.040 (1.02)	.158 (4.01)	0.6	10000
	571-4116 -01	.188 (4.78)	.031 (0.79) to .148 (3.76)	.500 (12.70)	.281 (7.14)	.094 (2.39)	.094 (2.39)	.031 (0.79)	.250 (6.35)	.216 (5.49)	.125 (3.18)	.047 (1.19)	.203 (5.16)	0.4	12000
	571-4125 -01	.188 (4.78)	.031 (0.79) to .148 (3.76)	.800 (20.32)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.250 (6.35)	.216 (5.49)	.094 (2.39)	.040 (1.02)	.203 (5.16)	0.2	13000
	571-4127 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.050 (1.27)	.100 (2.54)	.020 (0.51)	.250 (6.35)	.216 (5.49)	.080 (2.03)	.040 (1.02)	.203 (5.16)	0.4	3000
2	571-4033 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.050 (1.27)	.100 (2.54)	.020 (0.51)	.172 (4.37)	.149 (3.78)	.080 (2.03)	.040 (1.02)	.136 (3.45)	0.5	3000
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)											0.5	3500
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)											0.5	4000
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)											0.5	6000
	571-4034 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.172 (4.37)	.149 (3.78)	.080 (2.03)	.040 (1.02)	.136 (3.45)	0.5	3000
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)											0.5	3500
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)											0.5	4000
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)											0.5	6000
	571-4105 -01	.150 (3.81)	.031 (0.79) to .110 (2.79)	.125 (3.18)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.188 (4.78)	.172 (4.37)	.094 (2.39)	.040 (1.02)	.158 (4.01)	0.6	4000
	571-4111 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.020 (0.51)	.188 (4.78)	.172 (4.37)	.080 (2.03)	.040 (1.02)	.158 (4.01)	0.6	3000

Other colours available, consult factory.

SOLDER TERMINALS - PTFE INSULATED, PRESS MOUNT





Dimensions in inches (mm)
See page 91 for Mounting Instructions

How to order code

571 - 4XXX - XX - XX - 19

- Basic Part No.
- Terminal Finish
- Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	PTFE	✓
Terminal	Brass	✓

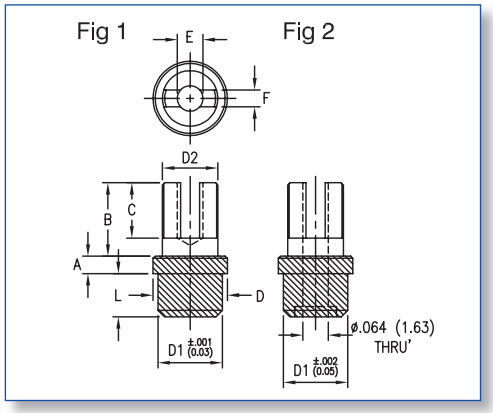
Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-05	Electro-Solder	X

Insulation Colour Code Table	
Dash No.	Colour
-19	White

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	Mtg. Hole Diameter	Capacitance (pF)	Flashover VRMS at Sea Level
1	571-4152 -01	.060 (1.52)	.016 (.041) only	.040 (1.02)	.125 (3.18)	.105 (2.67)	.125 (3.18)	.094 (2.39)	.040 (1.02)	.030 (0.76)	.083 (2.11)	0.5	1500
	-02	.100 (2.54)	.031 (0.79) to .062 (1.57)									0.6	2500
	571-4193 -01	.110 (2.79)	.031 (0.79) to .071 (1.80)	.050 (1.27)	.207 (5.26)	.187 (4.75)	.172 (4.37)	.149 (3.78)	.085 (2.16)	.064 (1.63)	.136 (3.45)	0.7	3000
	571-4240 -01	.110 (2.79)	.031 (0.79) to .071 (1.80)	.050 (1.27)	.207 (5.26)	.187 (4.75)	.218 (5.54)	.172 (4.37)	.040 (1.02)	.030 (0.76)	.158 (4.01)	0.5	3500
2	571-4153 -01	.060 (1.52)	.016 (.041) only	.040 (1.02)	.207 (5.26)	.167 (4.24)	.125 (3.18)	.094 (2.39)	.080 (2.03)	.040 (1.02)	.083 (2.11)	0.5	2000
	-02	.100 (2.54)	.031 (0.79) to .062 (1.57)									0.6	1500

Other colours available, consult factory.

SOLDER TERMINALS - PTFE INSULATED, PRESS MOUNT



Dimensions in inches (mm)
See page 91 for Mounting Instructions

How to order code

571 - 4XXX - 01 - XX - 19

- Basic Part No.
- Terminal Finish
- Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	PTFE	✓
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-05	Electro-Solder	X

Insulation Colour Code Table	
Dash No.	Colour
-19	White

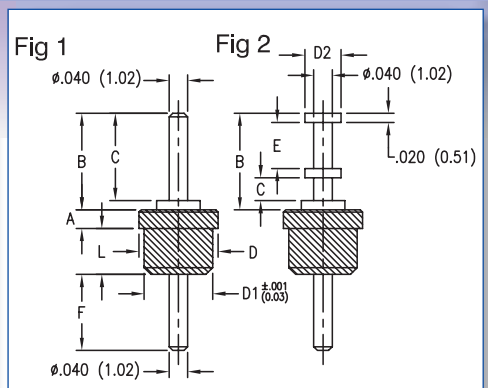
Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	E	F	Mtg. Hole Diameter	Capacitance (pF)	Flashover VRMS at Sea Level
1	571-4093 -01	.150 (3.81)	.031 (0.79) to .110 (2.79)	.400 (10.16)	.203 (5.16)	.161 (4.09)	.188 (4.78)	.172 (4.37)	.148 (3.76)	.046 (1.17)	.030 (0.76)	.158 (4.01)	0.6	10000
	571-4121 -01	.188 (4.78)	.031 (0.79) to .148 (3.76)	.800 (20.32)	.203 (5.16)	.161 (4.09)	.250 (6.35)	.216 (5.49)	.148 (3.76)	.046 (1.17)	.030 (0.76)	.203 (5.16)	0.3	13000
	571-4123 -01	.188 (4.78)	.031 (0.79) to .148 (3.76)	.800 (20.32)	.203 (5.16)	.156 (3.96)	.250 (6.35)	.216 (5.49)	.148 (3.76)	.078 (1.98)	.046 (1.17)	.203 (5.16)	0.3	13000
2	571-4132 -01	.220 (5.59)	.062 (1.57) to .125 (3.18)	.062 (1.57)	.218 (5.54)	.156 (3.96)	.250 (6.35)	.216 (5.49)	.156 (3.96)	-	.040 (1.02)	.203 (5.16)	0.5	2800

Other colours available, consult factory.

SOLDER TERMINALS - PTFE INSULATED, PRESS MOUNT, FEEDTHROUGH

Fig 1

Fig 2



Dimensions in inches (mm)
See page 91 for Mounting Instructions

How to order code

571 - 4XXX - XX - XX - 19

- 571 - 4XXX: Basic Part No.
- XX: Terminal Finish
- XX: Insulator Colour

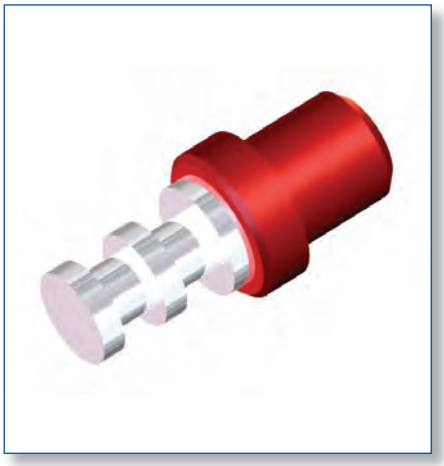
Material Code Table		
Component	Material	RoHS
Insulator	PTFE	✓
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

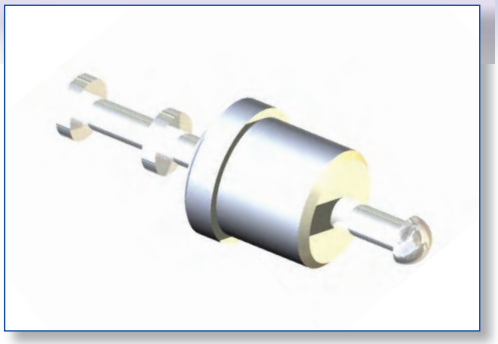
Insulation Colour Code Table	
Dash No.	Colour
-19	White

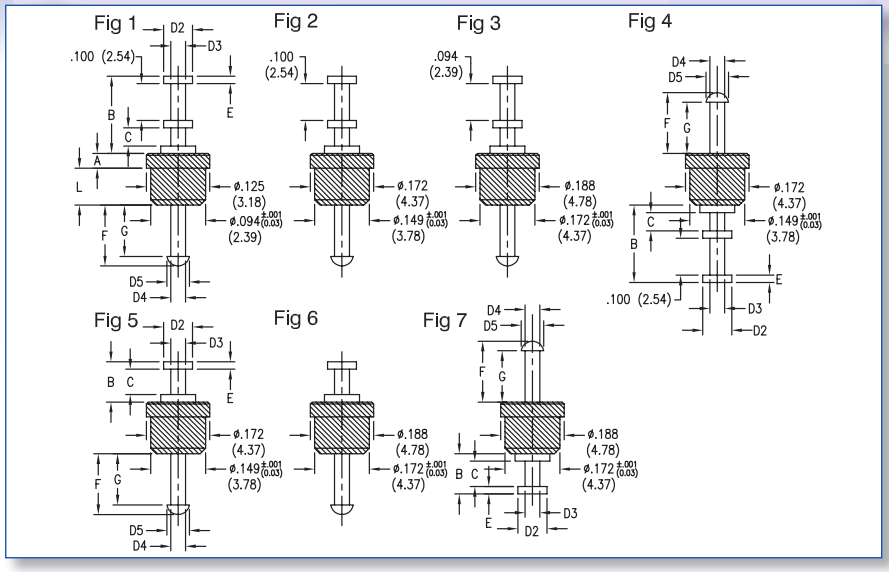
Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	E	F	Mtg. Hole Diameter	Capacitance (pF)	Flashover (VRMS) at Sea Level
1	571-4282 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.190 (4.83)	.125 (3.18)	.094 (2.39)	-	-	.165 (4.19)	.083 (2.11)	0.7	1500
	571-4283 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.125 (3.18)	.105 (2.67)	.125 (3.18)	.094 (2.39)	-	-	.078 (1.98)	.083 (2.11)	0.5	1500
	571-4161 -01	.060 (1.52)	.016 (0.40) only	.040 (1.02)	.210 (5.33)	.190 (4.83)	.150 (3.81)	.126 (3.20)	-	-	.165 (4.19)	.113 (2.87)	0.7	3000
	-02	.100 (2.54)	.031 (0.79) to .062 (1.57)										0.8	3000
	571-4176 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.190 (4.83)	.172 (4.37)	.149 (3.78)	-	-	.165 (4.19)	.136 (3.45)	0.4	3000
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)										0.4	3000
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)										0.4	3000
	-04	.250 (6.35)	.031 (0.79) to .210 (5.33)										0.4	3000
	571-4177 -01	.100 (2.54)	.031 (0.79) to .062 (1.59)	.093 (2.36)	.210 (5.33)	.190 (4.83)	.172 (4.37)	.149 (3.78)	-	-	.166 (4.22)	.136 (3.45)	0.5	4000
	-02	.125 (3.18)	.031 (0.79) to .085 (2.16)										0.4	4000
	-03	.165 (4.19)	.031 (0.79) to .125 (3.18)										0.4	4000
	571-4188 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.125 (3.18)	.105 (2.67)	.172 (4.37)	.149 (3.78)	-	-	.110 (2.79)	.136 (3.45)	0.7	2500
	571-4281 -01	.150 (3.81)	.031 (0.79) to .110 (2.79)	.125 (3.18)	.200 (5.08)	.180 (4.57)	.188 (4.78)	.165 (4.19)	-	-	.200 (5.08)	.152 (3.86)	0.7	4500
2	571-4155 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.050 (1.27)	.125 (3.18)	.094 (2.39)	.080 (2.03)	.100 (2.54)	.150 (3.81)	.083 (2.11)	0.7	1500
	571-4185 -01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.050 (1.27)	.172 (4.37)	.149 (3.78)	.080 (2.03)	.100 (2.54)	.150 (3.81)	.136 (3.45)	0.7	2500
	571-4197 -01	.230 (5.84)	.031 (0.79) to .190 (4.83)	.125 (3.18)	.250 (6.35)	.096 (2.44)	.172 (4.37)	.149 (3.78)	.093 (2.36)	.094 (2.39)	.231 (5.87)	.136 (3.45)	0.8	4000

Colours available for volume requirements



Dimensions in inches (mm)
See page 91 for Mounting Instructions





How to order code

571 - 4XXX - XX - XX - 19

- 571 - 4XXX: Basic Part No.
- XX: Terminal Finish
- XX: Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	PTFE	✓
Terminal	Brass	✓

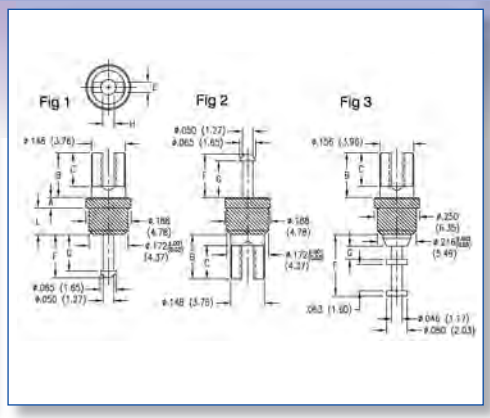
Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

Insulation Colour Code Table	
Dash No.	Colour
-19	White

Fig.	Basic Part No.		L	Board Thickness	A	B	C	D2	D3	D4	D5	E	F	G	Mtg. Hole Diameter	Capacitance (pF)	Flashover VRMS at Sea Level
1	571-4154	-01	.060 (1.52)	.016 (0.40) only	.040 (1.02)	.210 (5.33)	.050 (1.27)	.080 (2.03)	.040 (1.02)	.035 (0.89)	.050 (1.27)	.020 (0.51)	.150 (3.81)	.125 (3.18)	.083 (2.11)	0.5	1500
		-02	.100 (2.54)	.031 (0.79) to .062 (1.57)												0.7	1500
2	571-4182	-01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.050 (1.27)	.080 (2.03)	.040 (1.02)	.040 (1.02)	.060 (1.52)	.020 (0.51)	.150 (3.81)	.120 (3.05)	.136 (3.45)	0.4	3000
		-02	.125 (3.18)	.031 (0.79) to .085 (2.16)									.125 (3.18)	.095 (2.41)		0.4	3000
		-03	.165 (4.19)	.031 (0.79) to .125 (3.18)									.085 (2.16)	.055 (1.40)		0.4	3000
3	571-4250	-01	.200 (5.08)	.031 (0.79) to .162 (4.11)	.125 (3.18)	.281 (7.14)	.094 (2.39)	.125 (3.18)	.062 (1.57)	.050 (1.27)	.080 (2.03)	.031 (0.79)	.222 (5.64)	.182 (4.62)	.158 (4.01)	1.0	5500
	571-4241	-01	.212 (5.38)	.031 (0.79) to .172 (4.37)	.188 (4.78)	.250 (6.35)	.096 (2.44)	.094 (2.39)	.050 (1.27)	.050 (1.27)	.065 (1.65)	.020 (0.51)	.186 (4.72)	.154 (3.91)	.158 (4.01)	0.4	6000
4	571-4186	-01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.210 (5.33)	.050 (1.27)	.080 (2.03)	.040 (1.02)	.040 (1.02)	.060 (1.52)	.020 (0.51)	.150 (3.81)	.120 (3.05)	.136 (3.45)	0.4	3000
		-02	.125 (3.18)	.031 (0.79) to .085 (2.16)									.125 (3.18)	.095 (2.41)		0.4	3000
		-03	.165 (4.19)	.031 (0.79) to .125 (3.18)									.194 (4.93)	.164 (4.17)		0.4	3000
5	571-4179	-01	.100 (2.54)	.031 (0.79) to .062 (1.57)	.040 (1.02)	.125 (3.18)	.095 (2.41)	.080 (2.03)	.040 (1.02)	.040 (1.02)	.060 (1.52)	.020 (0.51)	.085 (2.16)	.055 (1.40)	.136 (3.45)	0.4	3000
6	571-4232	-01	.275 (6.99)	.031 (0.79) to .234 (5.94)	.250 (6.35)	.125 (3.18)	.063 (1.60)	.125 (3.18)	.050 (1.27)	.050 (1.27)	.065 (1.65)	.031 (0.79)	.215 (5.46)	.183 (4.65)	.158 (4.01)	0.45	7000
	571-4233	-01	.400 (10.16)	.031 (0.79) to .250 (6.35)	.375 (9.53)	.125 (3.18)	.063 (1.60)	.125 (3.18)	.050 (1.27)	.050 (1.27)	.065 (1.65)	.031 (0.79)	.215 (5.46)	.183 (4.65)	.158 (4.01)	0.45	9000
7	571-4234	-01	.212 (5.38)	.031 (0.79) to .172 (4.37)	.188 (4.78)	.125 (3.18)	.063 (1.60)	.125 (3.18)	.050 (1.27)	.050 (1.27)	.065 (1.65)	.031 (0.79)	.215 (5.46)	.183 (4.65)	.158 (4.01)	0.4	6000
	571-4235	-01	.275 (6.99)	.031 (0.79) to .234 (5.94)	.250 (6.35)	.125 (3.18)	.063 (1.60)	.125 (3.18)	.050 (1.27)	.050 (1.27)	.065 (1.65)	.031 (0.79)	.215 (5.46)	.183 (4.65)	.158 (4.01)	0.5	7000

Other colours available, consult factory.

SOLDER TERMINALS - PTFE INSULATED, PRESS MOUNT, FEEDTHROUGH



Dimensions in inches (mm)
See page 91 for Mounting Instructions

How to order code

571 - 42XX - 01 - XX - 19

- 571 - 42XX: Basic Part No.
- XX: Terminal Finish
- 19: Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	PTFE	✓
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

Insulation Colour Code Table	
Dash No.	Colour
-19	White

Fig.	Basic Part No.	L	Board Thickness	A	B	C	E	F	G	H	Mtg. Hole Diameter	Capacitance (pF)	Flashover VRMS at Sea Level
1	571-4251 -01	.212 (5.38)	.031 (0.79) to .172 (4.37)	.188 (4.78)	.203 (5.16)	.161 (4.09)	.030 (0.76)	.218 (5.54)	.186 (4.72)	.036 (0.91)	.158 (4.01)	0.4	6000
	571-4253 -01	.400 (10.16)	.031 (0.79) to .250 (6.35)	.375 (9.53)	.203 (5.16)	.161 (4.09)	.030 (0.76)	.219 (5.56)	.187 (4.75)	.036 (0.91)	.158 (4.01)	0.5	9000
2	571-4254 -01	.212 (5.38)	.031 (0.79) to .172 (4.37)	.188 (4.78)	.203 (5.16)	.161 (4.09)	.030 (0.76)	.218 (5.54)	.186 (4.72)	.036 (0.91)	.158 (4.01)	0.4	6000
	571-4256 -01	.400 (10.16)	.031 (0.79) to .250 (6.35)	.375 (9.53)	.203 (5.16)	.161 (4.09)	.030 (0.76)	.219 (5.56)	.187 (4.75)	.036 (0.91)	.158 (4.01)	0.5	9000
	571-4262 -01	.400 (10.16)	.031 (0.79) to .250 (6.35)	.375 (9.53)	.203 (5.16)	.156 (3.96)	.046 (1.17)	.219 (5.56)	.187 (4.75)	.064 (1.63)	.158 (4.01)	0.5	9000
3	571-4267 -01	.221 (5.61)	.062 (1.57) to .125 (3.18)	.062 (1.57)	.218 (5.54)	.156 (3.96)	.040 (1.02)	.236 (5.99)	.093 (2.36)	.050 (1.27)	.203 (5.16)	0.6	4100

Other colours available, consult factory.

RF Connectors

Cambion compliments its vast range of high performance connectors and inductive products, with RF Connectors. Specialising in the manufacture of custom variants of industry standards Cambion offers an unique development facility of precision turning and the prototyping of application specials. Styles include N type. 7/16, SMA, SMB, MCX and many more incorporating blind mates and quick termination, with minimal outlay.

Custom converters and adaptors are available theoretically between any standard range of RF Connectors.

Dimensions in inches (mm)

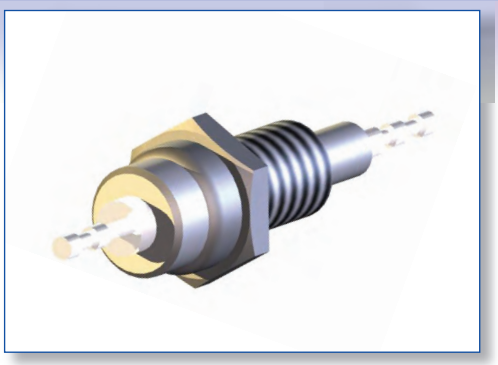


Fig 1

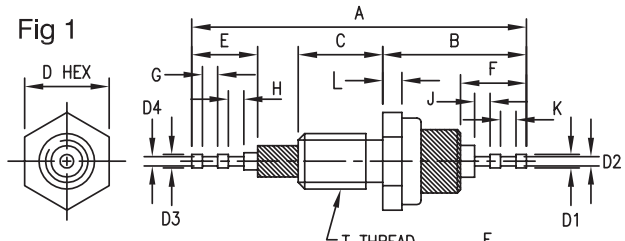


Fig 2

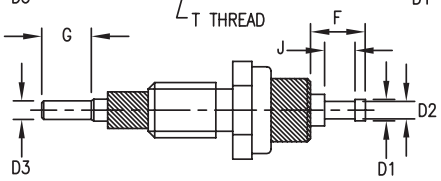
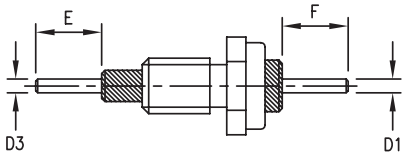


Fig 3



How to order code

570 - XXXX - XX - XX - 19

- 570 - XXXX: Basic Part No.
- XX: Terminal Finish
- XX: Insulator Colour
- 19: Insulator Colour

Material Code Table		
Component	Material	RoHS
Mounting Hex Nut	Brass	✓
Internal Tooth Lockwasher	Phosphor Bronze	✓
Insulator	PTFE	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

Finish Code Table					
Dash No.	Terminal Finish	Mtg. Stud Finish	Mtg. Hex Nut Finish	Lock Washer Finish	RoHS
-01	Silver	Nickel	Nickel	Nickel	✓
-05	Electro -Solder	Nickel	Nickel	Nickel	X

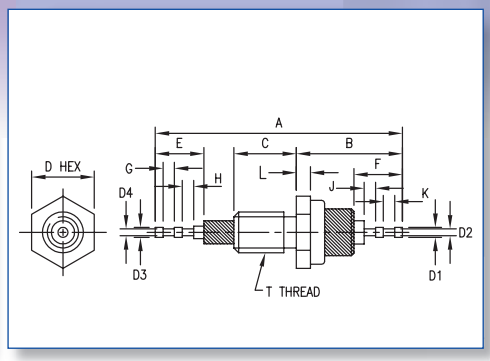
Insulation Colour Code Table	
Dash No.	Colour
-19	White

Fig.	Basic Part No.	A	B Max.	C	D	D1	D2	D3	D4	E	F
1	570-2642 -01	.878 (22.30)	.368 (9.35)	.250 (6.35)	.188 (4.78)	.040 (1.02)	.027 (0.69)	.040 (1.02)	.027 (0.69)	.197 (5.00)	.195 (4.95)
	570-2641 -01	.990 (25.15)	.425 (10.80)	.250 (6.35)	.250 (6.35)	.040 (1.02)	.027 (0.69)	.040 (1.02)	.027 (0.69)	.195 (4.95)	.195 (4.95)
	570-2640 -01	.990 (25.15)	.425 (10.80)	.250 (6.35)	.312 (7.92)	.062 (1.57)	.046 (1.17)	.062 (1.57)	.046 (1.17)	.229 (5.82)	.195 (4.95)
2	570-1502 -01	.690 (17.53)	.296 (7.52)	.225 (5.72)	.250 (6.35)	.082 (2.08)	.062 (1.57)	.062 (1.57)	-	.121 (3.07)	.163 (4.14)
3	570-2643 -01	.590 (14.99)	.262 (6.65)	.200 (5.08)	.156 (3.96)	.029 (0.74)	-	.029 (0.74)	-	.095 (2.41)	.085 (2.16)
	-02	.640 (16.26)		.250 (6.35)							

Fig.	Basic Part No.	G	H	J	K	L	T	IR (VRMS)
1	570-2642 -01	.046 (1.17)	.046 (1.17)	.046 (1.17)	.046 (1.17)	.046 (1.17)	6-32	600
	570-2641 -01	.046 (1.17)	.047 (1.19)	.046 (1.17)	.046 (1.17)	.050 (1.27)	8-32	1500
	570-2640 -01	.046 (1.17)	.046 (1.17)	.046 (1.17)	.046 (1.17)	.050 (1.27)	10-32	1800
2	570-1502 -01	.100 (2.54)	-	.101 (2.57)	-	.040 (1.02)	12-28	2000
3	570-2643 -01	-	-	-	-	.065 (1.65)	4-40	600
	-02							

SOLDER TERMINALS - CERAMIC INSULATED, FEEDTHROUGH, THREAD MOUNT

Dimensions in inches (mm)



How to order code

570 - XXXX - 01 - XX - 00

Basic Part No.

Terminal Finish

Material Code Table		
Component	Material	RoHS
Mounting Hex Nut	Brass	✓
Internal Tooth Lockwasher	Phosphor Bronze	✓
Insulator	Ceramic	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

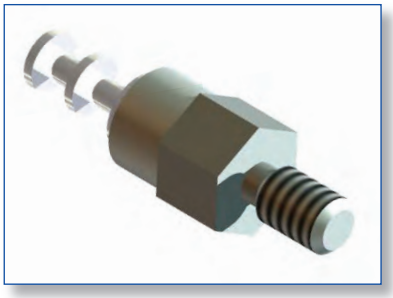
Finish Code Table					
Dash No.	Terminal Finish	Mtg. Stud Finish	Mtg. Hex Nut Finish	Lock Washer Finish	RoHS
-01	Silver	Nickel	Nickel	Nickel	✓
-05	Electro-Solder	Nickel	Nickel	Nickel	X

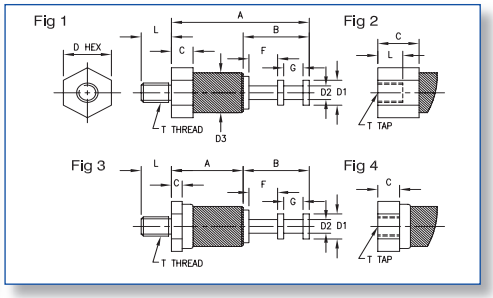
Basic Part No.	A	B Max.	C	D	D1	D2	D3	D4	E	F
570-2012 -01	1.307 (33.20)	.559 (14.20)	.375 (9.53)	.500 (12.70)	.080 (2.03)	.050 (1.27)	.080 (2.03)	.050 (1.27)	.285 (7.24)	.282 (7.16)
570-1990 -01	.923 (23.44)	.383 (9.73)	.250 (6.35)	.375 (9.53)	.062 (1.57)	.043 (1.09)	.062 (1.57)	.043 (1.09)	.198 (5.03)	.184 (4.67)

Basic Part No.	G	H	J	K	L	T	IR (VRMS)
570-2012 -01	.093 (2.36)	.105 (2.67)	.093 (2.36)	.093 (2.36)	.062 (1.57)	3/8-32	3000
570-1990 -01	.046 (1.17)	.065 (1.65)	.054 (1.37)	.046 (1.17)	.050 (1.27)	1/4-28	2500

SOLDER TERMINALS - PTFE INSULATED, STAND OFF, THREAD MOUNT

Dimensions in inches (mm)





How to order code

570 - XXXX - XX - XX - 19

Basic Part No.

Terminal Finish

Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	PTFE	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

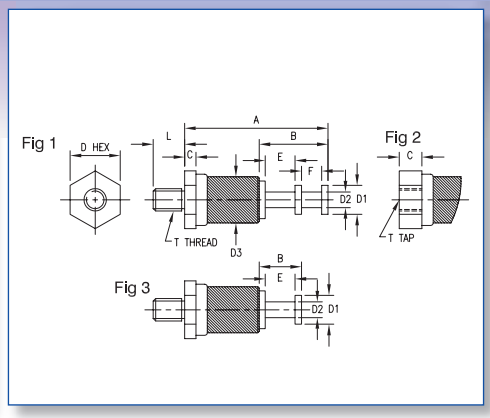
Finish Code Table			
Dash No.	Terminal Finish	Mtg. Stud Finish	RoHS
-01	Silver	Cadmium	X
-05	Electro-Solder	Cadmium	X
-21	Silver	Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-19	White

Fig.	Basic Part No.	L	A	B	C	D	D1	D2	D3	F	G	T	IR (VRMS)
1	570-1503 -01	.250 (6.35)	.500 (12.70)	.147 (3.73)	.128 (3.25)	.156 (3.96)	.066 (1.68)	.045 (1.14)	.125 (3.18)	.062 (1.57)	.031 (0.79)	4-40	3500
	570-1504 -01	.250 (6.35)	.640 (16.26)	.304 (7.72)	.180 (4.57)	.250 (6.35)	.140 (3.56)	.069 (1.75)	.245 (6.22)	.129 (3.28)	.100 (2.54)	6-32	3300
2	570-1510 -01	.100 (2.54)	.546 (13.87)	.147 (3.73)	.181 (4.60)	.156 (3.96)	.066 (1.68)	.045 (1.14)	.125 (3.18)	.062 (1.57)	.031 (0.79)	4-40	3500
	570-1511 -01	.156 (3.96)	.718 (18.24)	.304 (7.72)	.258 (6.55)	.250 (6.35)	.140 (3.56)	.069 (1.75)	.245 (6.22)	.129 (3.28)	.100 (2.54)	6-32	3300
3	570-1945 -01 -02	.250 (6.35) .375 (9.53)	.334 (8.48)	.228 (5.79)	.062 (1.57)	.312 (7.92)	.093 (2.36)	.046 (1.17)	.250 (6.35)	.093 (2.36)	.063 (1.60)	6-32	5000
4	570-1947 -01 -02	.125 (3.18)	.401 (10.19)	.228 (5.79)	.125 (3.18)	.312 (7.92)	.093 (2.36)	.046 (1.17)	.250 (6.35)	.093 (2.36)	.063 (1.60)	4-40 6-32	5000

SOLDER TERMINALS - CERAMIC INSULATED, STAND OFF

Dimensions in inches (mm)



How to order code

570 - XXXX - XX - XX - 00

Basic Part No. — **Terminal Finish**

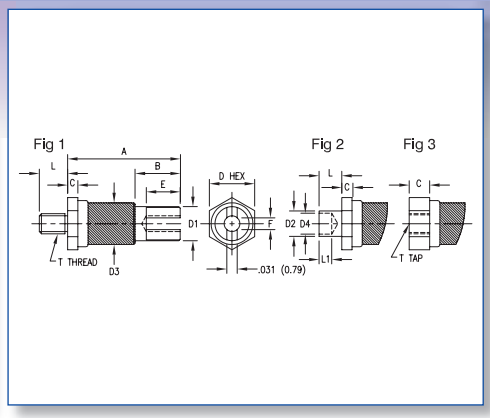
Material Code Table		
Component	Material	RoHS
Insulator	Ceramic	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

Finish Code Table			
Dash No.	Terminal Finish	Mtg. Stud Finish	RoHS
-01	Silver	Cadmium	X
-05	Electro-Solder		
-21	Silver	Nickel	✓

Fig.	Basic Part No.	L	A	B	C	D	D1	D2	D3	E	F	T	IR (VRMS)
1	570-2045 -01*	.250 (6.35)	.545 (13.84)	.219 (5.56)	.046 (1.17)	.250 (6.35)	.093 (2.36)	.046 (1.17)	.187 (4.75)	.093 (2.36)	.063 (1.60)	4-40	2500
	-02*	.375 (9.53)											
	570-1942 -01*	.250 (6.35)	.561 (14.25)	.219 (5.56)	.062 (1.57)	.312 (7.92)	.093 (2.36)	.046 (1.17)	.245 (6.22)	.093 (2.36)	.063 (1.60)	6-32	4000
	-02*	.375 (9.53)											
	570-1994 -01	.250 (6.35)	.706 (17.93)	.359 (9.12)	.062 (1.57)	.312 (7.92)	.142 (3.61)	.065 (1.65)	.245 (6.22)	.151 (3.84)	.099 (2.51)	6-32	4000
	-02	.375 (9.53)											
2	570-3650 -01	-	.608 (15.44)	.219 (5.56)	.125 (3.18)	.250 (6.35)	.093 (2.36)	.046 (1.17)	.187 (4.75)	.093 (2.36)	.063 (1.60)	4-40	2500
	-02											6-32	
	570-3648 -01	-	.608 (15.44)	.219 (5.56)	.125 (3.18)	.312 (7.92)	.093 (2.36)	.046 (1.17)	.245 (6.22)	.093 (2.36)	.063 (1.60)	4-40	4000
	-02											6-32	
3	570-1980 -01	.093 (2.36)	.383 (9.73)	.156 (3.96)	.040 (1.02)	.188 (4.78)	.094 (2.39)	.046 (1.17)	.142 (3.61)	.109 (2.77)	-	3-48	2500
	-02	.125 (3.18)											
	-03	.156 (3.96)											
	-04	.188 (4.78)											
	-05	.250 (6.35)											
	570-1983 -02	.125 (3.18)	.446 (11.33)	.156 (3.96)	.040 (1.02)	.188 (4.78)	.094 (2.39)	.046 (1.17)	.142 (3.61)	.109 (2.77)	-	3-48	4000
	-03	.156 (3.96)											
	-04	.188 (4.78)											
	570-1992 -02	.125 (3.18)	.508 (12.90)	.156 (3.96)	.040 (1.02)	.188 (4.78)	.094 (2.39)	.046 (1.17)	.142 (3.61)	.109 (2.77)	-	3-48	5000
	-03	.156 (3.96)											
	-04	.188 (4.78)											
	570-1995 -01	.250 (6.35)	.588 (14.94)	.235 (5.97)	.062 (1.57)	.312 (7.92)	.142 (3.61)	.065 (1.65)	.245 (6.22)	.157 (3.99)	-	6-32	4000
	-02	.375 (9.53)											

*Supplied with unassembled nut & lock washer

SOLDER TERMINALS - CERAMIC INSULATED, STAND OFF



Dimensions in inches (mm)
See page 94 for recommended Anvil and Punch

How to order code

570 - 2XXX - XX - XX - 00

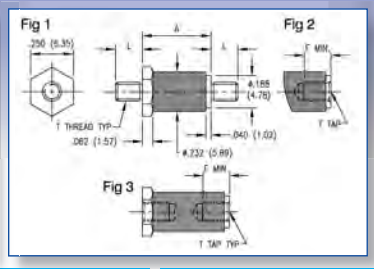
Basic Part No. — **Terminal Finish**

Material Code Table		
Component	Material	RoHS
Insulator	Ceramic	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

Finish Code Table			
Dash No.	Terminal Finish	Mtg. Stud Finish	RoHS
-01	Silver	Cadmium	X
-05	Electro-Solder		
-21	Silver	Nickel	✓

Fig.	Basic Part No.		L	Board Thickness	A	B	C	D	D1	D2	D3	D4	E	F	L1	T	IR (VRMS)
1	570-2430	-01	.250 (6.35)	-	.522 (13.26)	.192 (4.88)	.046 (1.17)	.250 (6.35)	.141 (3.58)	-	.187 (4.75)	-	.130 (3.30)	.046 (1.17)	-	4-40	2500
		-02	.375 (9.53)														
	570-2382	-01	.250 (6.35)	-	.561 (14.25)	.218 (5.54)	.062 (1.57)	.312 (7.92)	.156 (3.96)	-	.245 (6.22)	-	.156 (3.96)	.040 (1.02)	-	6-32	4000
		-02	.375 (9.53)														
2	570-2431	-01	.062 (1.57)	.031 (0.79)	.522 (13.26)	.192 (4.88)	.046 (1.17)	.250 (6.35)	.141 (3.58)	.141 (3.58)	.187 (4.75)	.116 (2.95)	.130 (3.30)	.046 (1.17)	.062 (1.57)	-	2500
		-02	.094 (2.39)	.062 (1.57)											.062 (1.57)		
		-03	.105 (2.67)	.078 (1.98)											.093 (2.36)		
		-04	.125 (3.18)	.094 (2.39)											.109 (2.77)		
		-05	.156 (3.96)	.125 (3.18)											.109 (2.77)		
	570-2383	-01	.062 (1.57)	.031 (0.79)	.561 (14.25)	.218 (5.54)	.062 (1.57)	.312 (7.92)	.156 (3.96)	.187 (4.75)	.245 (6.22)	.154 (3.91)	.156 (3.96)	.040 (1.02)	.062 (1.57)	-	4000
		-02	.094 (2.39)	.062 (1.57)											.062 (1.57)		
		-03	.105 (2.67)	.078 (1.98)											.093 (2.36)		
		-04	.125 (3.18)	.094 (2.39)											.109 (2.77)		
		-05	.156 (3.96)	.125 (3.18)											.109 (2.77)		
3	570-2432	-01	-	-	.601 (15.27)	.192 (4.88)	.125 (3.18)	.250 (6.35)	.141 (3.58)	-	.187 (4.75)	-	.130 (3.30)	.046 (1.17)	-	4-40	2500
		-02														6-32	
	570-2384	-01	-	-	.624 (15.85)	.218 (5.54)	.062 (1.57)	.312 (7.92)	.156 (3.96)	-	.245 (6.22)	-	.156 (3.96)	.040 (1.02)	-	4-40	4000
		-02														6-32	

THREADED TERMINALS - MOULDED DAP, STANDOFF



Dimensions in inches (mm)

How to order code

352 - 4XXX - XX - XX - XX

- Basic Part No.
- Terminal Finish
- Insulator Colour

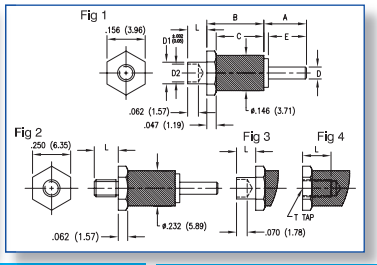
Material Code Table		
Component	Material	RoHS
Insulator	Diallyl	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

Finish Code Table			
Dash No.	Terminal Finish	Mtg. Stud Finish	RoHS
-01	Silver	Cadmium	X
-05	Electro-Solder	Cadmium	X
-21	Silver	Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-16	Blue

Fig	Basic Part No.		L	A	F	T Thread	T Tap	IR (RMS)	Capacitance (pF)
1	352-4610	-01	.219 (5.56)	.375 (9.53)	-	4-40	-	6000	0.7
	352-4611	-01	.219 (5.56)	.375 (9.53)	-	6-32	-	6000	0.7
		-02	.250 (6.35)						
		-03	.375 (9.53)						
2	352-4616	-01	.219 (5.56)	.500 (12.70)	.125 (3.18)	4-40	4-40	6000	0.7
	352-4617	-01	.219 (5.56)	.500 (12.70)	.156 (3.96)	6-32	6-32	6000	0.7
		-02	.250 (6.35)						
		-03	.375 (9.53)						
	352-4619	-01	.219 (5.56)	.625 (15.88)	.219 (5.56)	6-32	6-32	6000	0.6
		-02	.250 (6.35)						
		-03	.375 (9.53)						
3	352-4620	-01	-	.625 (15.88)	.125 (3.18)	-	4-40	6000	0.6
	352-4621	-01	-	.625 (15.88)	.156 (3.96)	-	6-32	6000	0.6

SOLDER TERMINALS - MOULDED DAP, PIN



Dimensions in inches (mm)

See page 94 for recommended Anvil and Punch

How to order code

572 - 48XX - XX - XX - 16

- Basic Part No.
- Terminal Finish
- Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	Diallyl	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

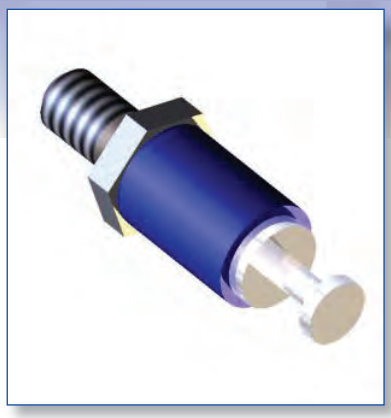
Finish Code Table			
Dash No.	Terminal Finish	Mtg. Stud Finish	RoHS
-01	Silver	Cadmium	X
-05	Electro-Solder	Cadmium	X
-21	Silver	Nickel	✓

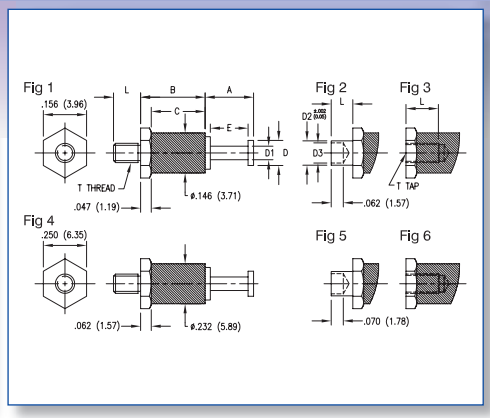
Insulation Colour Code Table	
Dash No.	Colour
-16	Blue

Fig.	Basic Part No.		L	Board Thickness	A	B	C	D	D1	D2	E	T	IR (RMS)
1	572-4892	-01	.094 (2.39)	.062 (1.57)	.188 (4.78)	.391 (9.93)	.344 (8.74)	.060 (1.52)	.078 (1.98)	.067 (1.70)	.168 (4.27)	-	3000
		-02	.125 (3.18)	.094 (2.39)									
2	572-4846	-01	.219 (5.56)	-	.290 (7.37)	.375 (9.53)	.313 (7.95)	.070 (1.78)	-	-	.250 (6.35)	4-40	6000
	572-4852	-01	.219 (5.56)	-	.290 (7.37)	.593 (15.06)	.531 (13.49)	.070 (1.78)	-	-	.250 (6.35)	4-40	6000
3	572-4848	-01	.094 (2.39)	.062 (1.57)	.290 (7.37)	.375 (9.53)	.313 (7.95)	.070 (1.78)	.098 (2.49)	.064 (1.63)	.250 (6.35)	-	6000
		-02	.125 (3.18)	.094 (2.39)									
		-03	.156 (3.96)	.125 (3.18)									
		-04	.234 (5.94)	.188 (4.78)									
4	572-4850	-01	.156 (3.96)	-	.290 (7.37)	.375 (9.53)	.313 (7.95)	.070 (1.78)	-	-	.250 (6.35)	4-40	6000
	572-4851	-01	.156 (3.96)	-	.290 (7.37)	.375 (9.53)	.313 (7.95)	.070 (1.78)	-	-	.250 (6.35)	6-32	6000

Other colours available, consult factory

SOLDER TERMINALS - MOULDED DAP, SINGLE TURRET





Dimensions in inches (mm)
See page 94 for recommended Anvil and Punch

How to order code

572 - 4XXX - XX - XX - 16

- 572 - 4XXX: Basic Part No.
- XX: Terminal Finish
- XX: Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	Diallyl	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

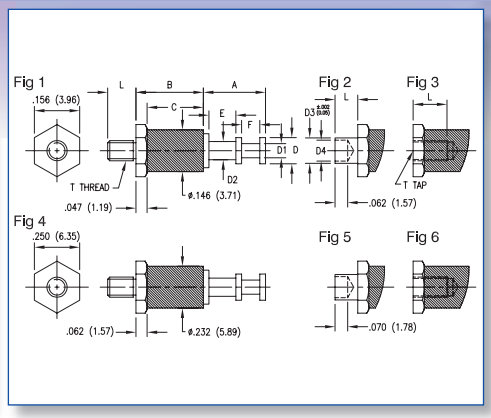
Finish Code Table			
Dash No.	Terminal Finish	Mtg. Stud Finish	RoHS
-01	Silver	Cadmium	X
-05	Electro-Solder	Cadmium	X
-21	Silver	Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-16	Blue

Fig.	Basic Part No.		L	Board Thickness	A	B	C	D	D1	D2	D3	E	T	IR (RMS)
1	572-4870	-01	.125 (3.18)	-	.156 (3.96)	.235 (5.97)	.188 (4.78)	.072 (1.83)	.047 (1.19)	-	-	.116 (2.95)	2-56	3000
		-02	.188 (4.78)											
		-03	.250 (6.35)											
	572-4876	-01	.125 (3.18)	-	.219 (5.56)	.235 (5.97)	.188 (4.78)	.072 (1.83)	.047 (1.19)	-	-	.179 (4.55)	2-56	3000
		-02	.188 (4.78)											
		-03	.250 (6.35)											
	572-4894	-01*	.218 (5.54)	-	.156 (3.96)	.219 (5.56)	.172 (4.37)	.093 (2.36)	.055 (1.40)	-	-	.116 (2.95)	2-56	3000
	572-4895	-01*	.218 (5.54)	-	.156 (3.96)	.376 (9.55)	.329 (8.36)	.093 (2.36)	.055 (1.40)	-	-	.116 (2.95)	2-56	6000
	572-4900	-01	.118 (3.00)	-	.156 (3.96)	.238 (6.04)	.191 (4.85)	.072 (1.83)	.047 (1.19)	-	-	.116 (2.95)	M2 x 0.4	3000
		-02	.197 (5.00)											
	572-4903	-01	.118 (3.00)	-	.219 (5.56)	.238 (6.04)	.191 (4.85)	.072 (1.83)	.047 (1.19)	-	-	.179 (4.55)	M2 x 0.4	3000
		-02	.197 (5.00)											
2	572-4877	-01	.094 (2.39)	.062 (1.57)	.219 (5.56)	.235 (5.97)	.188 (4.78)	.072 (1.83)	.047 (1.19)	.078 (1.98)	.067 (1.70)	.179 (4.55)		3000
		-02	.125 (3.18)	.094 (2.39)										
	572-4901	-02	.094 (2.39)	.062 (1.57)	.156 (3.96)	.238 (6.04)	.191 (4.85)	.072 (1.83)	.047 (1.19)	.078 (1.98)	.067 (1.70)	.116 (2.95)	-	3000
		-03	.125 (3.18)	.094 (2.39)										
	572-4904	-02	.094 (2.39)	.062 (1.57)	.219 (5.56)	.238 (6.04)	.191 (4.85)	.072 (1.83)	.047 (1.19)	.078 (1.98)	.067 (1.70)	.179 (4.55)	-	3000
		-03	.125 (3.18)	.094 (2.39)										
3	572-4872	-01	.078 (1.98)	-	.156 (3.96)	.235 (5.97)	.188 (4.78)	.072 (1.83)	.047 (1.19)	-	-	.116 (2.95)	2-56	3000
	572-4875	-01	.117 (2.97)	-	.156 (3.96)	.391 (9.93)	.344 (8.74)	.072 (1.83)	.047 (1.19)	-	-	.116 (2.95)	2-56	3000
	572-4878	-01	.078 (1.98)	-	.219 (5.56)	.235 (5.97)	.188 (4.78)	.072 (1.83)	.047 (1.19)	-	-	.179 (4.55)	2-56	3000
	572-4881	-01	.117 (2.97)	-	.219 (5.56)	.391 (9.93)	.344 (8.74)	.072 (1.83)	.047 (1.19)	-	-	.179 (4.55)	2-56	3000
	572-4902	-01	.079 (2.00)	-	.156 (3.96)	.238 (6.04)	.191 (4.85)	.072 (1.83)	.047 (1.19)	-	-	.116 (2.95)	M2 x 0.4	3000
	572-4905	-01	.079 (2.00)	-	.219 (5.56)	.238 (6.04)	.191 (4.85)	.072 (1.83)	.047 (1.19)	-	-	.179 (4.55)	M2 x 0.4	3000
4	572-4834	-01	.219 (5.56)	-	.219 (5.56)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	-	-	.147 (3.73)	4-40	6000
	572-4835	-01	.219 (5.56)	-	.219 (5.56)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	-	-	.147 (3.73)	6-32	6000
		-02	.250 (6.35)											
		-03	.375 (9.53)											
5	572-4842	-01	.094 (2.39)	.062 (1.57)	.219 (5.56)	.594 (15.09)	.531 (13.49)	.140 (3.56)	.062 (1.57)	.098 (2.49)	.064 (1.63)	.147 (3.73)	-	6000
		-02	.125 (3.18)	.094 (2.39)										
		-03	.156 (3.96)	.125 (3.18)										
		-04	.234 (5.94)	.188 (4.78)										
	572-4843	-01	.094 (2.39)	.062 (1.57)	.219 (5.56)	.594 (15.09)	.531 (13.49)	.140 (3.56)	.062 (1.57)	.141 (3.58)	.116 (2.95)	.147 (3.73)	-	6000
		-02	.125 (3.18)	.094 (2.39)										
		-03	.156 (3.96)	.125 (3.18)										
		-04	.234 (5.94)	.188 (4.78)										
6	572-4838	-01	.156 (3.96)	-	.219 (5.56)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	-	-	.147 (3.73)	4-40	6000
	572-4839	-01	.156 (3.96)	-	.219 (5.56)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	-	-	.147 (3.73)	6-32	6000
	572-4844	-01	.219 (5.56)	-	.219 (5.56)	.594 (15.09)	.531 (13.49)	.140 (3.56)	.062 (1.57)	-	-	.147 (3.73)	4-40	6000

*Supplied with unassembled nut & lock washer

SOLDER TERMINALS - MOULDED DAP, TWIN TURRET



Dimensions in inches (mm)
See page 94 for recommended Anvil and Punch

How to order code

572 - 4XXX - XX - XX - 16

- Basic Part No.
- Terminal Finish
- Insulator Colour

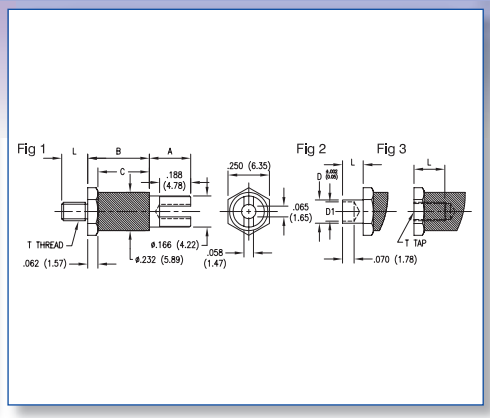
Material Code Table		
Component	Material	RoHS
Insulator	Diallyl	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

Finish Code Table			
Dash No.	Terminal Finish	Mtg. Stud Finish	RoHS
-01	Silver	Cadmium	X
-05	Electro-Solder	Cadmium	X
-21	Silver	Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-16	Blue

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	D4	E	F	T	IR (RMS)
1	572-4882 -01	.125 (3.18)	-	.156 (3.96)	.234 (5.94)	.188 (4.78)	.072 (1.83)	.047 (1.19)	.047 (1.19)	-	-	.048 (1.22)	.048 (1.22)	2-56	3000
	-02	.188 (4.78)													
	-03	.250 (6.35)													
	572-4906 -01	.118 (3.00)	-	.156 (3.96)	.238 (6.04)	.191 (4.85)	.072 (1.83)	.047 (1.19)	.047 (1.19)	-	-	.048 (1.22)	.048 (1.22)	M2 x 0.4	3000
	-02	.197 (5.00)													
2	572-4883 -01	.094 (2.39)	.062 (1.57)	.156 (3.96)	.234 (5.94)	.188 (4.78)	.072 (1.83)	.047 (1.19)	.047 (1.19)	.078 (1.98)	.067 (1.70)	.048 (1.22)	.048 (1.22)	-	3000
	572-4886 -01	.094 (2.39)	.062 (1.57)	.156 (3.96)	.391 (9.93)	.344 (8.74)	.072 (1.83)	.047 (1.19)	.047 (1.19)	.078 (1.98)	.067 (1.70)	.048 (1.22)	.048 (1.22)	-	3000
	-02	.125 (3.18)	.094 (2.39)												
	572-4907 -02	.094 (2.39)	.062 (1.57)	.156 (3.96)	.238 (6.04)	.191 (4.85)	.072 (1.83)	.047 (1.19)	.047 (1.19)	.078 (1.98)	.067 (1.70)	.048 (1.22)	.048 (1.22)	-	3000
	-03	.125 (3.18)	.094 (2.39)												
3	572-4884 -01	.078 (1.98)	-	.156 (3.96)	.234 (5.94)	.188 (4.78)	.072 (1.83)	.047 (1.19)	.047 (1.19)	-	-	.048 (1.22)	.048 (1.22)	2-56	3000
	572-4887 -01	.117 (2.97)	-	.156 (3.96)	.391 (9.93)	.344 (8.74)	.072 (1.83)	.047 (1.19)	.047 (1.19)	-	-	.048 (1.22)	.048 (1.22)	2-56	3000
	572-4908 -01	.079 (2.00)	-	.156 (3.96)	.238 (6.04)	.191 (4.85)	.072 (1.83)	.047 (1.19)	.047 (1.19)	-	-	.048 (1.22)	.048 (1.22)	M2 x 0.4	3000
4	572-4810 -01	.219 (5.56)	-	.344 (8.74)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	.078 (1.98)	-	-	.148 (3.76)	.094 (2.39)	4-40	6000
	572-4811 -01	.219 (5.56)	-	.344 (8.74)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	.078 (1.98)	-	-	.148 (3.76)	.094 (2.39)	6-32	6000
	-02	.250 (6.35)													
	-03	.375 (9.53)													
	572-4816 -01	.219 (5.56)	-	.344 (8.74)	.594 (15.09)	.531 (13.49)	.140 (3.56)	.062 (1.57)	.078 (1.98)	-	-	.148 (3.76)	.094 (2.39)	4-40	6000
	572-4822 -01	.219 (5.56)	-	.219 (5.56)	.375 (9.53)	.312 (7.92)	.093 (2.36)	.047 (1.19)	.047 (1.19)	-	-	.093 (2.36)	.063 (1.60)	4-40	6000
	572-4823 -01	.219 (5.56)	-	.219 (5.56)	.375 (9.53)	.312 (7.92)	.093 (2.36)	.047 (1.19)	.047 (1.19)	-	-	.093 (2.36)	.063 (1.60)	6-32	6000
	-02	.250 (6.35)													
	-03	.375 (9.53)													
5	572-4812 -01	.094 (2.39)	.062 (1.57)	.344 (8.74)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	.078 (1.98)	.098 (2.49)	.064 (1.63)	.148 (3.76)	.094 (2.39)	-	6000
	-02	.125 (3.18)	.094 (2.39)												
	-03	.156 (3.96)	.125 (3.18)												
	-04	.234 (5.94)	.188 (4.78)												
	572-4813 -01	.094 (2.39)	.062 (1.57)	.344 (8.74)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	.078 (1.98)	.141 (3.58)	.116 (2.95)	.148 (3.76)	.094 (2.39)	-	6000
	-02	.125 (3.18)	.094 (2.39)												
	-03	.156 (3.96)	.125 (3.18)												
	-04	.234 (5.94)	.188 (4.78)												
	572-4825 -01	.094 (2.39)	.062 (1.57)	.219 (5.56)	.375 (9.53)	.312 (7.92)	.093 (2.36)	.047 (1.19)	.047 (1.19)	.141 (3.58)	.116 (2.95)	.093 (2.36)	.063 (1.60)	-	6000
	-02	.125 (3.18)	.094 (2.39)												
	-03	.156 (3.96)	.125 (3.18)												
	-04	.234 (5.94)	.188 (4.78)												
6	572-4814 -01	.156 (3.96)	-	.344 (8.74)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	.078 (1.98)	-	-	.148 (3.76)	.094 (2.39)	4-40	6000
	572-4815 -01	.156 (3.96)	-	.344 (8.74)	.375 (9.53)	.312 (7.92)	.140 (3.56)	.062 (1.57)	.078 (1.98)	-	-	.148 (3.76)	.094 (2.39)	6-32	6000
	572-4820 -01	.219 (5.56)	-	.344 (8.74)	.594 (15.09)	.531 (13.49)	.140 (3.56)	.062 (1.57)	.078 (1.98)	-	-	.148 (3.76)	.094 (2.39)	4-40	6000
	572-4821 -01	.219 (5.56)	-	.344 (8.74)	.594 (15.09)	.531 (13.49)	.140 (3.56)	.062 (1.57)	.078 (1.98)	-	-	.148 (3.76)	.094 (2.39)	6-32	6000
	572-4826 -01	.156 (3.96)	-	.219 (5.56)	.375 (9.53)	.312 (7.92)	.093 (2.36)	.047 (1.19)	.047 (1.19)	-	-	.093 (2.36)	.063 (1.60)	4-40	6000
	572-4827 -01	.156 (3.96)	-	.219 (5.56)	.375 (9.53)	.312 (7.92)	.093 (2.36)	.047 (1.19)	.047 (1.19)	-	-	.093 (2.36)	.063 (1.60)	6-32	6000
	572-4833 -01	.219 (5.56)	-	.219 (5.56)	.594 (15.09)	.531 (13.49)	.093 (2.36)	.047 (1.19)	.047 (1.19)	-	-	.093 (2.36)	.063 (1.60)	6-32	6000

SOLDER TERMINALS - MOULDED DAP, SLOTTED



Dimensions in inches (mm)
See page 94 for recommended Anvil and Punch

How to order code

572 - 48XX - XX - XX - 16

- 572 - 48XX: Basic Part No.
- XX: Terminal Finish
- XX: Insulator Colour

Material Code Table		
Component	Material	RoHS
Insulator	Diallyl	✓
Mounting Stud	Brass	✓
Terminal	Brass	✓

Finish Code Table			
Dash No.	Terminal Finish	Mtg. Stud Finish	RoHS
-01	Silver	Cadmium	X
-05	Electro-Solder	Cadmium	X
-21	Silver	Nickel	✓

Insulation Colour Code Table	
Dash No.	Colour
-16	Blue

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	T	IR (RMS)
1	572-4858 -01	.219 (5.56)	-	.250 (6.35)	.375 (9.53)	.312 (7.92)	-	-	4-40	6000
	572-4859 -01	.219 (5.56)	-	.250 (6.35)	.375 (9.53)	.312 (7.92)	-	-	6-32	6000
	-02	.250 (6.35)								
	-03	.375 (9.53)								
	572-4864 -01	.219 (5.56)	-	.250 (6.35)	.594 (15.09)	.531 (13.49)	-	-	4-40	6000
2	572-4860 -01	.094 (2.39)	.062 (1.57)	.250 (6.35)	.375 (9.53)	.312 (7.92)	.098 (2.49)	.064 (1.63)	-	6000
	-02	.125 (3.18)	.094 (2.39)							
	-03	.156 (3.96)	.125 (3.18)							
	-04	.234 (5.94)	.188 (4.78)							
	572-4861 -01	.094 (2.39)	.062 (1.57)	.250 (6.35)	.375 (9.53)	.312 (7.92)	.141 (3.58)	.116 (2.95)	-	6000
	-02	.125 (3.18)	.094 (2.39)							
	-03	.156 (3.96)	.125 (3.18)							
	-04	.234 (5.94)	.188 (4.78)							
3	572-4862 -01	.156 (3.96)	-	.250 (6.35)	.375 (9.53)	.312 (7.92)	-	-	4-40	6000
	572-4863 -01	.156 (3.96)	-	.250 (6.35)	.375 (9.53)	.312 (7.92)	-	-	6-32	6000
	572-4868 -01	.219 (5.56)	-	.250 (6.35)	.594 (15.09)	.531 (13.49)	-	-	4-40	6000
	572-4869 -01	.219 (5.56)	-	.250 (6.35)	.594 (15.09)	.531 (13.49)	-	-	6-32	6000

Fig 1

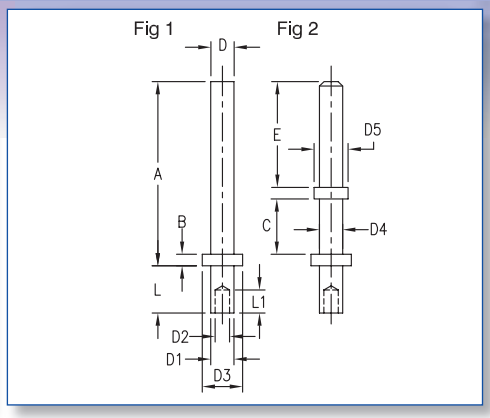


Fig 2

Dimensions in inches (mm)
See page 92/93 for recommended Anvil and Punch

How to order code

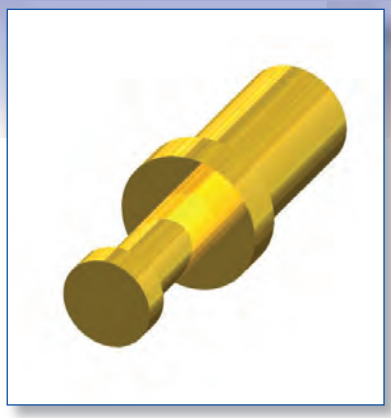
1XX - XXXX - XX - XX - 00

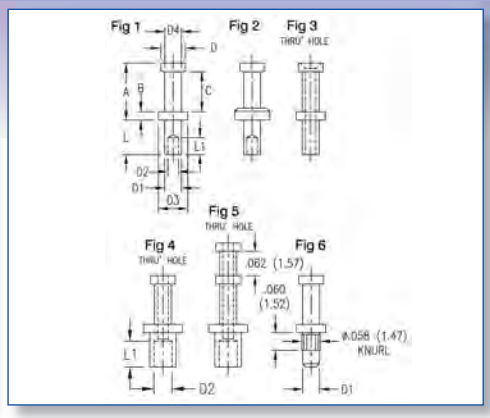
Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Finish	RoHS
-01	Silver	✓
-03	Gold over Nickel	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

Fig.	Basic Part No.		L	Board Thickness	A	B	C	D	D1	D2	D3	D4	D5	E	L1	Mtg. Hole Diameter
1	120-5212	-02	.075 (1.90)	.040 (1.02)	.224 (5.70)	.015 (0.38)	-	.020 (0.51)	.020 (0.51)	-	.039 (1.00)	-	-	-	-	.023 (0.58)
	120-1132	-01	.063 (1.60)	.031 (0.79)	.250 (6.35)	.031 (0.79)	-	.050 (1.27)	.060 (1.52)	.040 (1.02)	.094 (2.39)	-	-	-	.063 (1.60)	.064 (1.63)
		-02	.094 (2.39)	.062 (1.57)											.071 (1.80)	
		-03	.125 (3.18)	.094 (2.39)												
		-04	.156 (3.96)	.125 (3.18)												
	120-1133	-01	.063 (1.60)	.031 (0.79)	.313 (7.95)	.031 (0.79)	-	.050 (1.27)	.060 (1.52)	.040 (1.02)	.094 (2.39)	-	-	-	.063 (1.60)	.064 (1.63)
		-02	.094 (2.39)	.062 (1.57)											.071 (1.80)	
		-03	.125 (3.18)	.094 (2.39)												
		-04	.156 (3.96)	.125 (3.18)												
	120-1134	-01	.063 (1.60)	.031 (0.79)	.375 (9.53)	.031 (0.79)	-	.050 (1.27)	.060 (1.52)	.040 (1.02)	.094 (2.39)	-	-	-	.063 (1.60)	.064 (1.63)
		-02	.094 (2.39)	.062 (1.57)											.071 (1.80)	
		-03	.125 (3.18)	.094 (2.39)												
		-04	.156 (3.96)	.125 (3.18)												
		-05	.219 (5.56)	.188 (4.78)												
		-06	.281 (7.14)	.250 (6.35)												
	180-2750	-01	.062 (1.57)	.031 (0.79)	.156 (3.96)	.020 (0.51)	-	.060 (1.52)	.060 (1.52)	.042 (1.07)	.125 (3.18)	-	-	-	.040 (1.02)	.064 (1.63)
		-02	.094 (2.39)	.062 (1.57)												
		-03	.125 (3.18)	.094 (2.39)												
		-04	.156 (3.96)	.125 (3.18)												
	120-1372	-02	.084 (2.13)	.062 (1.57)	.250 (6.35)	.020 (0.51)	-	.030 (0.76)	.062 (1.57)	.043 (1.09)	.094 (2.39)	-	-	-	.045 (1.14)	.067 (1.70)
	120-1366	-02	.094 (2.39)	.062 (1.57)	.250 (6.35)	.021 (0.53)	-	.040 (1.02)	.090 (2.29)	.063 (1.60)	.125 (3.18)	-	-	-	.068 (1.73)	.093 (2.36)
		-03	.125 (3.18)	.094 (2.39)												
2	120-1011	-01	.078 (1.98)	.031 (0.79)	.290 (7.37)	.032 (0.81)	.125 (3.18)	.053 (1.35)	.090 (2.29)	.064 (1.63)	.125 (3.18)	.063 (1.60)	.093 (2.36)	.113 (2.87)	.063 (1.60)	.093 (2.36)
		-02	.109 (2.77)	.062 (1.57)												
		-03	.141 (3.58)	.094 (2.39)												
		-04	.172 (4.37)	.125 (3.18)												
	120-1012	-01	.078 (1.98)	.031 (0.79)	.427 (10.85)	.032 (0.81)	.125 (3.18)	.053 (1.35)	.090 (2.29)	.064 (1.63)	.125 (3.18)	.063 (1.60)	.093 (2.36)	.250 (6.35)	.083 (2.11)	.093 (2.36)
		-02	.109 (2.77)	.062 (1.57)												
		-03	.141 (3.58)	.094 (2.39)												
		-04	.172 (4.37)	.125 (3.18)												
	120-1013	-01	.078 (1.98)	.031 (0.79)	.343 (8.71)	.032 (0.81)	.136 (3.45)	.053 (1.35)	.090 (2.29)	.064 (1.63)	.156 (3.96)	.063 (1.60)	.109 (2.77)	.153 (3.89)	.063 (1.60)	.093 (2.36)
		-02	.109 (2.77)	.062 (1.57)												
		-03	.141 (3.58)	.094 (2.39)												
		-04	.172 (4.37)	.125 (3.18)												
	120-1014	-01	.078 (1.98)	.031 (0.79)	.471 (11.96)	.032 (0.81)	.136 (3.45)	.053 (1.35)	.090 (2.29)	.064 (1.63)	.156 (3.96)	.063 (1.60)	.109 (2.77)	.281 (7.14)	.063 (1.60)	.093 (2.36)
		-02	.109 (2.77)	.062 (1.57)												
		-03	.141 (3.58)	.094 (2.39)												
		-04	.172 (4.37)	.125 (3.18)												





Dimensions in inches (mm)
See page 92/93 for recommended Anvil and Punch

How to order code

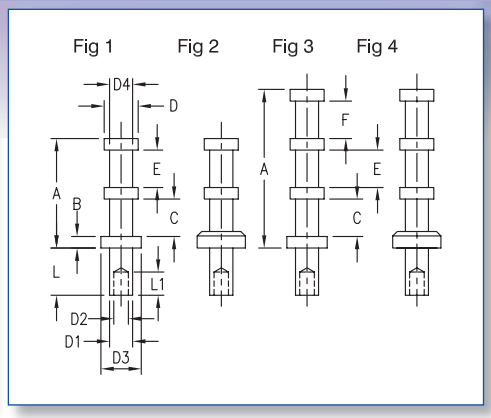
160 - XXXX - XX - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Finish	RoHS
-01	Silver	✓
-03	Gold over Nickel	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	D4	L1	Mtg. Hole Diameter
1	160-2085 -11	.035 (0.89)	.016 (0.41)	.094 (2.39)	.018 (0.46)	.063 (1.60)	.040 (1.02)	.047 (1.19)	.028 (0.71)	.062 (1.57)	.027 (0.69)	.032 (0.81)	.052 (1.32)
	-01	.051 (1.30)	.031 (0.79)										
	-02	.082 (2.08)	.062 (1.57)										
	-03	.113 (2.87)	.094 (2.39)										
	-04	.145 (3.68)	.125 (3.18)										
	160-1604 -11	.025 (0.64)	.016 (0.41)	.093 (2.36)	.025 (0.64)	.045 (1.14)	.062 (1.57)	.062 (1.57)	.046 (1.17)	.094 (2.39)	.045 (1.14)	.020 (0.51)	.067 (1.70)
	-01	.045 (1.14)	.031 (0.79)									.040 (1.02)	
	-02	.094 (2.39)	.062 (1.57)									.089 (2.26)	
	-03	.125 (3.18)	.094 (2.39)										
2	160-1457 -01	.078 (1.98)	.031 (0.79)	.187 (4.75)	.047 (1.19)	.115 (2.92)	.075 (1.91)	.078 (1.98)	.055 (1.40)	.125 (3.18)	.040 (1.02)	.068 (1.73)	.082 (2.08)
	-02	.109 (2.77)	.062 (1.57)									.098 (2.49)	
	-03	.141 (3.58)	.094 (2.39)										
	-04	.172 (4.37)	.125 (3.18)										
	160-1245 -01	.078 (1.98)	.031 (0.79)	.234 (5.94)	.047 (1.19)	.156 (3.96)	.145 (3.68)	.112 (2.84)	.076 (1.93)	.188 (4.78)	.065 (1.65)	.068 (1.73)	.116 (2.95)
	-02	.109 (2.77)	.062 (1.57)									.098 (2.49)	
	-03	.141 (3.58)	.094 (2.39)										
	-04	.172 (4.37)	.125 (3.18)										
3	160-1512 -02	.084 (2.13)	.062 (1.57)	.156 (3.96)	.040 (1.02)	.091 (2.31)	.093 (2.36)	.062 (1.57)	.043 (1.09)	.125 (3.18)	.062 (1.57)	-	.067 (1.70)
	-03	.115 (2.92)	.094 (2.39)										
	-04	.147 (3.73)	.125 (3.18)										
	160-2027 -01	.063 (1.60)	.031 (0.79)	.187 (4.75)	.035 (0.89)	.125 (3.18)	.096 (2.44)	.071 (1.80)	.043 (1.09)	.125 (3.18)	.071 (1.80)	-	.076 (1.93)
	-02	.094 (2.39)	.062 (1.57)										
	-03	.125 (3.18)	.094 (2.39)										
	-04	.156 (3.96)	.125 (3.18)										
	160-1797 -01	.078 (1.98)	.031 (0.79)	.188 (4.78)	.047 (1.19)	.109 (2.77)	.138 (3.51)	.110 (2.79)	.067 (1.70)	.188 (4.78)	.110 (2.79)	-	.113 (2.87)
	-02	.109 (2.77)	.062 (1.57)										
	-03	.141 (3.58)	.094 (2.39)										
	-04	.172 (4.37)	.125 (3.18)										
4	160-2100 -11	.025 (0.64)	.016 (0.41)	.093 (2.36)	.025 (0.64)	.045 (1.14)	.062 (1.57)	.062 (1.57)	.046 (1.17)	.094 (2.39)	.045 (1.14)	.020 (0.51)	.067 (1.70)
	-01	.045 (1.14)	.031 (0.79)									.040 (1.02)	
	-02	.094 (2.39)	.062 (1.57)									.089 (2.26)	
	-03	.125 (3.18)	.094 (2.39)										
5	160-1798 -02	.109 (2.77)	.062 (1.57)	.312 (7.92)	.031 (0.79)	.157 (3.99)	.110 (2.79)	.135 (3.43)	.107 (2.72)	.188 (4.78)	.088 (2.24)	.098 (2.49)	.141 (3.57)
	-03	.141 (3.58)	.094 (2.39)										
	-04	.172 (4.37)	.125 (3.18)										
6	160-3747 -01	.130 (3.30)	.062 (1.57)	.135 (3.43)	.035 (0.89)	.080 (2.03)	.053 (1.35)	.053 (1.35)	-	.063 (1.60)	.038 (0.97)	-	.055 (1.40)



Dimensions in inches (mm)
See page 92/93 for recommended Anvil and Punch

How to order code

160 - XXXX - XX - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Finish	RoHS
-01	Silver	✓
-03	Gold over Nickel	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

Fig.	Basic Part No.		L	Board Thickness	A	B	C	D	D1	D2	D3	D4	E	F	L1	Mtg. Hole Diameter
1	160-3653	-11	.037 (0.94)	.016 (0.41)	.156 (3.96)	.020 (0.51)	.065 (1.65)	.062 (1.57)	.062 (1.57)	.046 (1.17)	.094 (2.39)	.031 (0.79)	.031 (0.79)	-	.025 (0.64)	.067 (1.70)
		-01	.053 (1.35)	.031 (0.79)											.045 (1.14)	
		-02	.084 (2.13)	.062 (1.57)												
		-03	.115 (2.92)	.094 (2.39)												
		-04	.147 (3.73)	.125 (3.18)												
	160-1558	-01	.078 (1.98)	.031 (0.79)	.219 (5.56)	.023 (0.58)	.093 (2.36)	.093 (2.36)	.090 (2.29)	.064 (1.63)	.125 (3.18)	.046 (1.17)	.063 (1.60)	-	.047 (1.19)	.093 (2.36)
		-02	.109 (2.77)	.062 (1.57)											.062 (1.57)	
		-03	.141 (3.58)	.094 (2.39)												
		-04	.172 (4.37)	.125 (3.18)												
	160-1597	-01	.063 (1.60)	.031 (0.79)	.219 (5.56)	.023 (0.58)	.093 (2.36)	.093 (2.36)	.090 (2.29)	.064 (1.63)	.125 (3.18)	.046 (1.17)	.063 (1.60)	-	.047 (1.19)	.093 (2.36)
		-02	.094 (2.39)	.062 (1.57)											.062 (1.57)	
		-03	.125 (3.18)	.094 (2.39)												
		-04	.156 (3.96)	.125 (3.18)												
	160-1026	-01	.075 (1.91)	.031 (0.79)	.237 (6.02)	.042 (1.07)	.092 (2.34)	.094 (2.39)	.090 (2.29)	.064 (1.63)	.125 (3.18)	.047 (1.19)	.063 (1.60)	-	.062 (1.57)	.093 (2.36)
		-02	.105 (2.67)	.062 (1.57)												
		-03	.135 (3.43)	.094 (2.39)												
		-04	.165 (4.19)	.125 (3.18)												
	160-2034	-01	.078 (1.98)	.031 (0.79)	.281 (7.14)	.032 (0.81)	.105 (2.67)	.109 (2.77)	.090 (2.29)	.064 (1.63)	.156 (3.96)	.053 (1.35)	.100 (2.54)	-	.063 (1.60)	.093 (2.36)
		-02	.109 (2.77)	.062 (1.57)											.093 (2.36)	
		-03	.141 (3.58)	.094 (2.39)												
		-04	.172 (4.37)	.125 (3.18)												
	160-2110	-02	.109 (2.77)	.062 (1.57)	.500 (12.70)	.062 (1.57)	.211 (5.36)	.200 (5.08)	.262 (6.65)	.201 (5.11)	.312 (7.92)	.125 (3.18)	.156 (3.96)	-	.066 (1.68)	.266 (6.76)
		-03	.140 (3.56)	.094 (2.39)												
		-04	.172 (4.37)	.125 (3.18)												
2	160-1724	-01	.078 (1.98)	.031 (0.79)	.359 (9.12)	.047 (1.19)	.151 (3.84)	.142 (3.61)	.112 (2.84)	.076 (1.93)	.188 (4.78)	.065 (1.65)	.099 (2.51)	-	.068 (1.73)	.116 (2.95)
		-02	.109 (2.77)	.062 (1.57)											.098 (2.49)	
		-03	.141 (3.58)	.094 (2.39)												
		-04	.172 (4.37)	.125 (3.18)												
3	160-1058	-01	.075 (1.91)	.031 (0.79)	.340 (8.64)	.047 (1.19)	.094 (2.39)	.094 (2.39)	.089 (2.26)	.064 (1.63)	.125 (3.18)	.050 (1.27)	.062 (1.57)	.062 (1.57)	.047 (1.19)	.089 (2.26)
		-02	.105 (2.67)	.062 (1.57)											.062 (1.57)	
		-03	.135 (3.43)	.094 (2.39)												
		-04	.165 (4.19)	.125 (3.18)												
	160-2080	-01	.063 (1.60)	.031 (0.79)	.301 (7.65)	.023 (0.58)	.092 (2.34)	.093 (2.36)	.090 (2.29)	.064 (1.63)	.125 (3.18)	.046 (1.17)	.063 (1.60)	.063 (1.60)	.047 (1.19)	.093 (2.36)
		-02	.094 (2.39)	.062 (1.57)											.062 (1.57)	
		-03	.125 (3.18)	.094 (2.39)												
		-04	.156 (3.96)	.125 (3.18)												
4	160-2084	-01	.078 (1.98)	.031 (0.79)	.484 (12.29)	.047 (1.19)	.151 (3.84)	.145 (3.68)	.112 (2.84)	.076 (1.93)	.188 (4.78)	.065 (1.65)	.099 (2.51)	.094 (2.39)	.068 (1.73)	.116 (2.95)
		-02	.109 (2.77)	.062 (1.57)											.098 (2.49)	
		-03	.141 (3.58)	.094 (2.39)												
		-04	.172 (4.37)	.125 (3.18)												

Fig 1

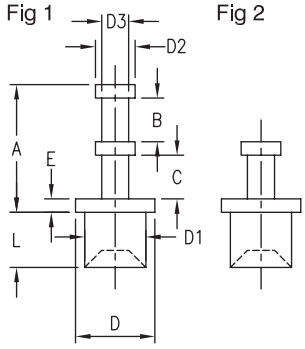


Fig 2

Dimensions in inches (mm)
See page 92/93 for recommended Anvil and Punch

How to order code

160- XXXX - XX - XX - 00

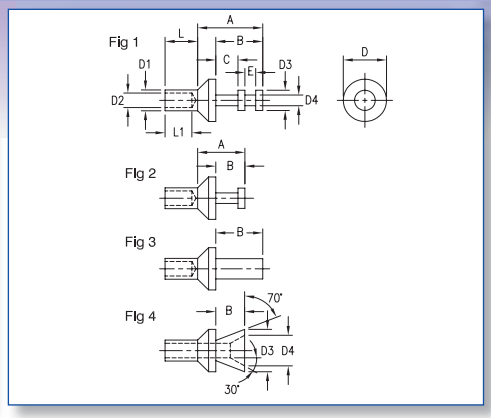
Basic Part No. — **Finish**

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Finish	RoHS
-01	Silver	✓
-03	Gold over Nickel	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	E	Mtg. Hole Diameter
1	160-2043 -01	.051 (1.30)	.031 (0.79)	.186 (4.72)	.062 (1.57)	.062 (1.57)	.094 (2.39)	.073 (1.85)	.050 (1.27)	.038 (0.97)	.022 (0.56)	.076 (1.93)
	-02	.082 (2.08)	.062 (1.57)									
	-03	.113 (2.87)	.094 (2.39)									
	-04	.145 (3.68)	.125 (3.18)									
2	160-2041 -01	.051 (1.30)	.031 (0.79)	.104 (2.64)	-	.062 (1.57)	.094 (2.39)	.072 (1.83)	.050 (1.27)	.038 (0.97)	.022 (0.56)	.076 (1.93)
	-02	.082 (2.08)	.062 (1.57)									
	-03	.113 (2.87)	.094 (2.39)									
	-04	.145 (3.68)	.125 (3.18)									
	160-1040 -01	.062 (1.57)	.031 (0.79)	.159 (4.04)	-	.105 (2.67)	.156 (3.96)	.090 (2.29)	.109 (2.77)	.053 (1.35)	.032 (0.81)	.093 (2.36)
	-02	.094 (2.39)	.062 (1.57)									
	-03	.125 (3.18)	.094 (2.39)									
	-04	.156 (3.96)	.125 (3.18)									

SOLDER TERMINALS - FLARED - SWAGE MOUNT



Dimensions in inches (mm)
See page 93 for recommended Anvil and Punch

How to order code

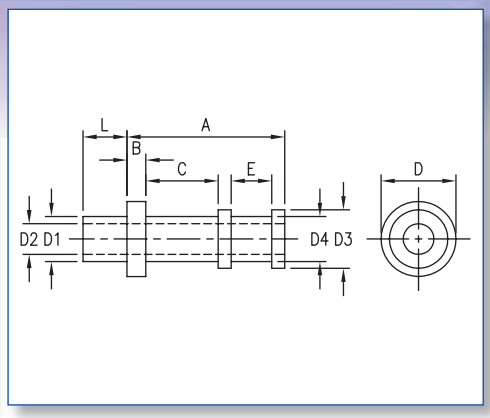
180 - XXXX - XX - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓
	Leaded Red Brass*	✓
	Brass -Non Magnetic**	✓

Finish Code Table		
Dash No.	Finish	RoHS
-04	Electro-Tin	✓
-05	Electro-Solder	X

Fig.	Basic Part No.		L	Board Thickness	A	B	C	D	D1	D2	D3	D4	E	L1	Mtg. Hole Diameter
1	180-2754	-01	.062 (1.57)	.031 (0.79)	.188 (4.78)	.136 (3.45)	.064 (1.63)	.125 (3.18)	.060 (1.52)	.042 (1.07)	.060 (1.52)	.031 (0.79)	.032 (0.81)	.040 (1.02)	.064 (1.63)
		-02	.094 (2.39)	.062 (1.57)											
		-03	.125 (3.18)	.094 (2.39)											
		-04	.156 (3.96)	.125 (3.18)											
	180-7337	-01*	.062 (1.57)	.031 (0.79)	.173 (4.39)	.136 (3.45)	.064 (1.63)	.094 (2.39)	.060 (1.52)	.042 (1.07)	.060 (1.52)	.031 (0.79)	.032 (0.81)	.040 (1.02)	.064 (1.63)
		-02*	.094 (2.39)	.062 (1.57)											
		-03*	.125 (3.18)	.094 (2.39)											
		-04*	.156 (3.96)	.125 (3.18)											
2	180-2753	-01	.062 (1.57)	.031 (0.79)	.136 (3.45)	.084 (2.13)	.064 (1.63)	.125 (3.18)	.060 (1.52)	.042 (1.07)	.060 (1.52)	.031 (0.79)	-	.040 (1.02)	.064 (1.63)
		-02	.094 (2.39)	.062 (1.57)											
		-03	.125 (3.18)	.094 (2.39)											
		-04	.156 (3.96)	.125 (3.18)											
	180-8124	-01**	.062 (1.57)	.031 (0.79)	.136 (3.45)	.084 (2.13)	.064 (1.63)	.125 (3.18)	.060 (1.52)	.042 (1.07)	.060 (1.52)	.031 (0.79)	-	.040 (1.02)	.064 (1.63)
		-02**	.094 (2.39)	.062 (1.57)											
		-03**	.125 (3.18)	.094 (2.39)											
		-04**	.156 (3.96)	.125 (3.18)											
	180-7336	-01*	.062 (1.57)	.031 (0.79)	.151 (3.84)	.114 (2.90)	.094 (2.39)	.094 (2.39)	.062 (1.57)	.042 (1.07)	.060 (1.52)	.031 (0.79)	-	.040 (1.02)	.064 (1.63)
		-02*	.094 (2.39)	.062 (1.57)											
		-03*	.125 (3.18)	.094 (2.39)											
		-04*	.156 (3.96)	.125 (3.18)											
3	180-2751	-01	.062 (1.57)	.031 (0.79)	.188 (4.78)	.136 (3.45)	-	.125 (3.18)	.060 (1.52)	.042 (1.07)	.060 (1.52)	-	-	.062 (1.57)	.064 (1.63)
		-02	.094 (2.39)	.062 (1.57)											
		-03	.125 (3.18)	.094 (2.39)											
		-04	.156 (3.96)	.125 (3.18)											
4	180-2755	-01	.062 (1.57)	.031 (0.79)	.136 (3.45)	.084 (2.13)	-	.125 (3.18)	.060 (1.52)	.042 (1.07)	.122 (3.10)	.090 (2.29)	-	-	.064 (1.63)
		-02	.094 (2.39)	.062 (1.57)											
		-03	.125 (3.18)	.094 (2.39)											
		-04	.156 (3.96)	.125 (3.18)											



Dimensions in inches (mm)
See page 92 for recommended Anvil and Punch

How to order code

160 - 15XX - XX - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

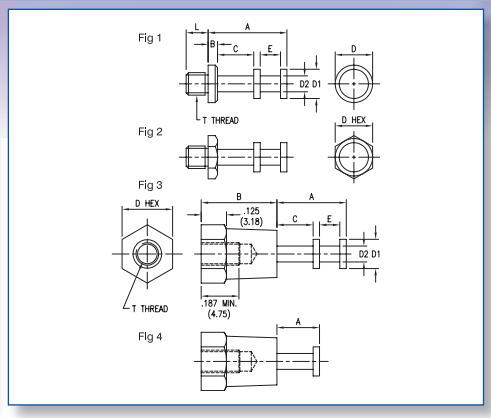
Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	D4	E	Mtg. Hole Diameter
160-1548 -01	.078 (1.98)	.031 (0.79)	.312 (7.92)	.031 (0.79)	.137 (3.48)	.188 (4.78)	.112 (2.84)	.078 (1.98)	.146 (3.71)	.113 (2.87)	.094 (2.39)	.116 (2.95)
-02	.109 (2.77)	.062 (1.57)										
-03	.141 (3.58)	.094 (2.39)										
-04	.172 (4.37)	.125 (3.18)										
160-1513 -02	.109 (2.77)	.062 (1.57)	.328 (8.33)	.046 (1.17)	.142 (3.61)	.188 (4.78)	.112 (2.84)	.078 (1.98)	.145 (3.68)	.112 (2.84)	.100 (2.54)	.116 (2.95)
-03	.141 (3.58)	.094 (2.39)										
-04	.172 (4.37)	.125 (3.18)										

Typical application

160-2040 swaged into FR4 strip for solder terminations

SOLDER TERMINALS - TURRET, THREAD MOUNT

Dimensions in inches (mm)



How to order code

160 - XXXX - XX - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

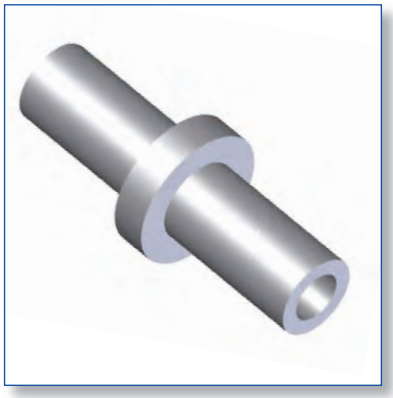
Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-03	Gold over Nickel	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

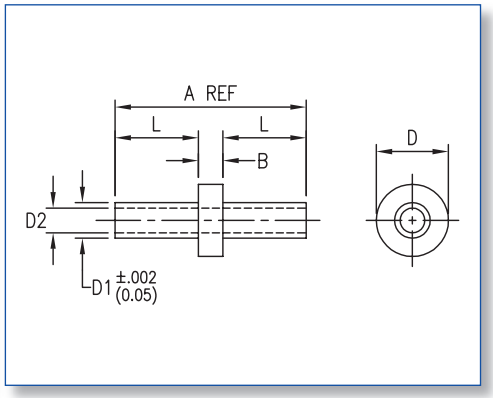
Fig.	Basic Part No.	L	A	B	C	D	D1	D2	E	T
1	160-1582 -01	.125 (3.18)	.357 (9.07)	.047 (1.19)	.149 (3.78)	.188 (4.78)	.145 (3.68)	.065 (1.65)	.099 (2.51)	4 - 40
	-02	.188 (4.78)								
2	160-2051 -01	.125 (3.18)	.357 (9.07)	.047 (1.19)	.149 (3.78)	.188 (4.78)	.145 (3.68)	.065 (1.65)	.099 (2.51)	4 - 40
	-02	.188 (4.78)								
3	160-2381 -01	-	.344 (8.74)	.375 (9.53)	.187 (4.75)	.250 (6.35)	.140 (3.56)	.078 (1.98)	.095 (2.41)	4 - 40
4	160-2380 -01	-	.218 (5.54)	.375 (9.53)	.187 (4.75)	.250 (6.35)	.140 (3.56)	.078 (1.98)	-	4 - 40

SOLDER TERMINALS - EYELET

Dimensions in inches (mm)

See page 93 for recommended Anvil and Punch





How to order code

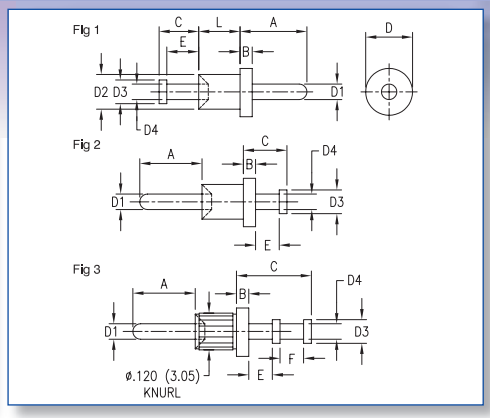
180 - 146X - 02 - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-04	Electro-Tin	✓
-05	Electro-Solder	X

Basic Part No.	A	B	D	D1	D2	L	Mtg. Hole Diameter	Wire Size
180-1460 -02	.200 (5.08)	.020 (0.51)	.078 (1.98)	.046 (1.17)	.028 (0.71)	.090 (2.29)	.052 (1.32)	24-23 AWG
180-1461 -02	.200 (5.08)	.020 (0.51)	.078 (1.98)	.050 (1.27)	.033 (0.84)	.090 (2.29)	.055 (1.40)	22-21 AWG
180-1462 -02	.200 (5.08)	.020 (0.51)	.094 (2.39)	.059 (1.50)	.040 (1.02)	.090 (2.29)	.063 (1.61)	20-19 AWG



Dimensions in inches (mm)
See page 92 for recommended Anvil and Punch

How to order code

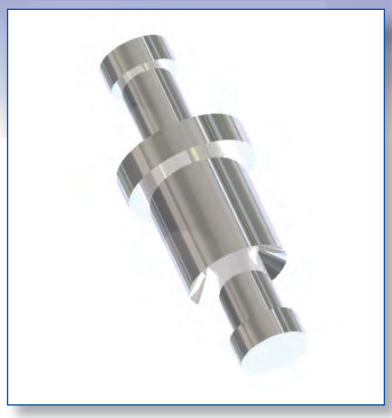
120 - XXXX - XX - XX - 00

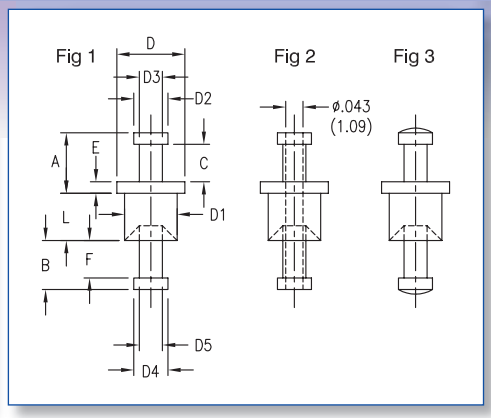
Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Pin Finish	RoHS
-01	Silver	✓
-04	Electro-Tin	✓

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	D4	E	F	Mtg. Hole Diameter
1	120-1030 -01	.051 (1.30)	.031 (0.79)	.250 (6.35)	.022 (0.56)	.125 (3.18)	.094 (2.39)	.040 (1.02)	.072 (1.83)	.050 (1.27)	.040 (1.02)	.105 (2.67)	-	.076 (1.93)
	-02	.082 (2.08)	.062 (1.57)											
	-03	.113 (2.87)	.094 (2.39)											
	-04	.145 (3.68)	.125 (3.18)											
2	120-1031 -01	.051 (1.30)	.031 (0.79)	.250 (6.35)	.022 (0.56)	.078 (1.98)	.094 (2.39)	.040 (1.02)	.072 (1.83)	.050 (1.27)	.040 (1.02)	.041 (1.04)	-	.076 (1.93)
	-02	.082 (2.08)	.062 (1.57)											
	-03	.113 (2.87)	.094 (2.39)											
	-04	.145 (3.68)	.125 (3.18)											
	120-1032 -01	.054 (1.37)	.031 (0.79)	.140 (3.56)	.022 (0.56)	.078 (1.98)	.078 (1.98)	.032 (0.81)	.062 (1.57)	.045 (1.14)	.032 (0.81)	.041 (1.04)	-	.067 (1.70)
	-02	.084 (2.13)	.062 (1.57)											
	-03	.115 (2.92)	.094 (2.39)											
	-04	.147 (3.73)	.125 (3.18)											
3	120-2081 -01	.063 (1.60)	.031 (0.79)	.219 (5.56)	.025 (0.64)	.219 (5.56)	.156 (3.96)	.041 (1.04)	-	.093 (2.36)	.046 (1.17)	.091 (2.31)	.063 (1.60)	.125 (3.18)
	-02	.093 (2.36)	.062 (1.57)											
	-03	.125 (3.18)	.094 (2.39)											
	-04	.156 (3.96)	.125 (3.18)											





Dimensions in inches (mm)
See page 92/93 for recommended Anvil and Punch

How to order code

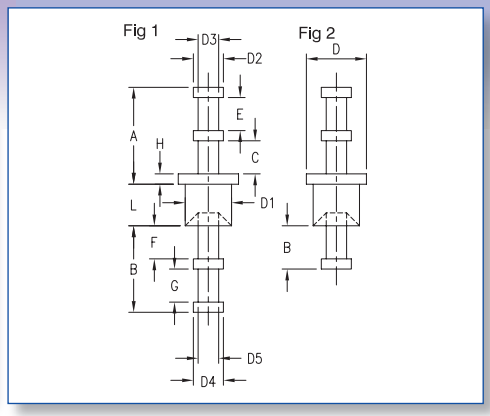
160- XXXX - XX - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Finish	RoHS
-01	Silver	✓
-03	Gold over Nickel	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	D4	D5	E	F	Mtg. Hole Diameter
1	160-2042 -01	.051 (1.30)	.031 (0.79)	.104 (2.64)	.082 (2.08)	.062 (1.57)	.094 (2.39)	.072 (1.83)	.050 (1.27)	.038 (0.97)	.050 (1.27)	.038 (0.97)	.022 (0.56)	.062 (1.57)	.076 (1.93)
	-02	.082 (2.08)	.062 (1.57)												
	-03	.113 (2.87)	.094 (2.39)												
	-04	.145 (3.68)	.125 (3.18)												
	-05	.207 (5.26)	.188 (4.78)												
	160-1041 -01	.062 (1.57)	.031 (0.79)	.159 (4.04)	.082 (2.08)	.105 (2.67)	.156 (3.96)	.090 (2.29)	.109 (2.77)	.053 (1.35)	.070 (1.78)	.048 (1.22)	.032 (0.81)	.062 (1.57)	.093 (2.36)
	-02	.094 (2.39)	.062 (1.57)												
	-03	.125 (3.18)	.094 (2.39)												
	-04	.156 (3.96)	.125 (3.18)												
	160-1464 -02	.105 (2.67)	.062 (1.57)	.156 (3.96)	.125 (3.18)	.092 (2.34)	.156 (3.96)	.116 (2.95)	.070 (1.78)	.040 (1.02)	.070 (1.78)	.040 (1.02)	.032 (0.81)	.093 (2.36)	.120 (3.05)
	-03	.135 (3.43)	.094 (2.39)												
	-04	.165 (4.19)	.125 (3.18)												
2	160-2141 -01	.063 (1.60)	.031 (0.79)	.187 (4.75)	.187 (4.75)	.125 (3.18)	.156 (3.96)	.116 (2.95)	.096 (2.44)	.071 (1.80)	.088 (2.24)	.071 (1.80)	.035 (0.89)	.160 (4.06)	.120 (3.05)
	-02	.094 (2.39)	.062 (1.57)												
	-03	.125 (3.18)	.094 (2.39)												
	-04	.156 (3.96)	.125 (3.18)												
3	160-1463 -01	.063 (1.60)	.031 (0.79)	.156 (3.96)	.125 (3.18)	.091 (2.31)	.156 (3.96)	.116 (2.95)	.070 (1.78)	.040 (1.02)	.070 (1.78)	.040 (1.02)	.035 (0.89)	.095 (2.41)	.120 (3.05)
	-02	.094 (2.39)	.062 (1.57)												
	-03	.125 (3.18)	.094 (2.39)												
	-04	.156 (3.96)	.125 (3.18)												



Dimensions in inches (mm)
See page 92/93 for recommended Anvil and Punch

How to order code

160- XXXX - XX - XX - 00

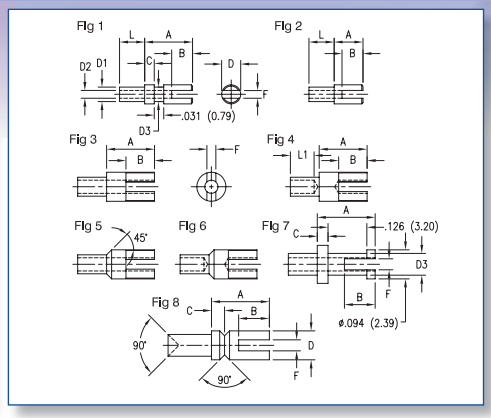
Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Finish	RoHS
-01	Silver	✓
-03	Gold over Nickel	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	D4	D5	E	F	G	H	Mtg. Hole Diameter
1	160-2040 -01	.051 (1.30)	.031 (0.79)	.186 (4.72)	.164 (4.17)	.062 (1.57)	.094 (2.39)	.072 (1.83)	.050 (1.27)	.038 (0.97)	.050 (1.27)	.038 (0.97)	.062 (1.57)	.062 (1.57)	.062 (1.57)	.022 (0.56)	.076 (1.93)
	-02	.082 (2.08)	.062 (1.57)														
	-03	.113 (2.87)	.094 (2.39)														
	-04	.145 (3.68)	.125 (3.18)														
	-05	.207 (5.26)	.188 (4.78)														
	160-2004 -01	.062 (1.57)	.031 (0.79)	.219 (5.56)	.188 (4.78)	.093 (2.36)	.125 (3.18)	.090 (2.29)	.063 (1.60)	.040 (1.02)	.063 (1.60)	.040 (1.02)	.063 (1.60)	.083 (2.11)	.063 (1.60)	.021 (0.53)	.093 (2.36)
	-02	.093 (2.36)	.062 (1.57)														
	-03	.125 (3.18)	.094 (2.39)														
	-04	.156 (3.96)	.125 (3.18)														
	160-1043 -01	.062 (1.57)	.031 (0.79)	.281 (7.14)	.164 (4.17)	.105 (2.67)	.156 (3.96)	.090 (2.29)	.109 (2.77)	.053 (1.35)	.070 (1.78)	.048 (1.22)	.100 (2.54)	.062 (1.57)	.062 (1.57)	.032 (0.81)	.093 (2.36)
	-02	.094 (2.39)	.062 (1.57)														
	-03	.125 (3.18)	.094 (2.39)														
	-04	.156 (3.96)	.125 (3.18)														
	160-1035 -01	.075 (1.91)	.031 (0.79)	.237 (6.02)	.134 (3.40)	.093 (2.36)	.156 (3.96)	.125 (3.18)	.093 (2.36)	.047 (1.19)	.062 (1.57)	.030 (0.76)	.058 (1.47)	.062 (1.57)	.032 (0.81)	.046 (1.17)	.128 (3.26)
	-02	.105 (2.67)	.062 (1.57)														
	-03	.135 (3.43)	.094 (2.39)														
	-04	.165 (4.19)	.125 (3.18)														
	160-1081 -02	.093 (2.36)	.062 (1.57)	.342 (8.69)	.315 (8.00)	.156 (3.96)	.250 (6.35)	.201 (5.11)	.142 (3.61)	.065 (1.65)	.142 (3.61)	.065 (1.65)	.095 (2.41)	.157 (3.99)	.096 (2.44)	.031 (0.79)	.204 (5.18)
	-03	.125 (3.18)	.094 (2.39)														
	-04	.156 (3.96)	.125 (3.18)														
	160-1620 -02	.094 (2.39)	.062 (1.57)	.500 (12.70)	.436 (11.07)	.220 (5.59)	.312 (7.92)	.262 (6.65)	.200 (5.08)	.125 (3.18)	.200 (5.08)	.125 (3.18)	.156 (3.96)	.218 (5.54)	.156 (3.96)	.062 (1.57)	.266 (6.76)
	-03	.125 (3.18)	.094 (2.39)														
	-04	.156 (3.96)	.125 (3.18)														
2	160-2044 -01	.051 (1.30)	.031 (0.79)	.186 (4.72)	.082 (2.08)	.062 (1.57)	.094 (2.39)	.072 (1.83)	.050 (1.27)	.038 (0.97)	.050 (1.27)	.038 (0.97)	.062 (1.57)	-	-	.022 (0.56)	.076 (1.93)
	-02	.082 (2.08)	.062 (1.57)														
	-03	.113 (2.87)	.094 (2.39)														
	-04	.145 (3.68)	.125 (3.18)														
	-05	.207 (5.26)	.188 (4.76)														
	160-2000 -01	.062 (1.57)	.031 (0.79)	.219 (5.56)	.104 (2.64)	.093 (2.36)	.125 (3.18)	.090 (2.29)	.063 (1.60)	.040 (1.02)	.063 (1.60)	.040 (1.02)	.063 (1.60)	-	-	.021 (0.53)	.093 (2.36)
	-02	.094 (2.39)	.062 (1.57)														
	-03	.125 (3.18)	.094 (2.39)														
	-04	.156 (3.96)	.125 (3.18)														
	160-1042 -01	.062 (1.57)	.031 (0.79)	.281 (7.14)	.062 (1.57)	.105 (2.67)	.156 (3.96)	.090 (2.29)	.109 (2.77)	.053 (1.35)	.070 (1.78)	.048 (1.22)	.100 (2.54)	-	-	.032 (0.81)	.093 (2.36)
	-02	.094 (2.39)	.062 (1.57)														
	-03	.125 (3.18)	.094 (2.39)														
	-04	.156 (3.96)	.125 (3.18)														
	160-1520 -02	.105 (2.67)	.062 (1.57)	.358 (9.09)	.109 (2.77)	.151 (3.84)	.188 (4.78)	.114 (2.90)	.145 (3.68)	.065 (1.65)	.082 (2.08)	.040 (1.02)	.094 (2.39)	-	-	.047 (1.19)	.118 (3.00)
	-03	.135 (3.43)	.094 (2.39)														
	-04	.165 (4.19)	.125 (3.18)														
	160-1579 -01	.063 (1.60)	.031 (0.79)	.344 (8.74)	.110 (2.79)	.092 (2.34)	.250 (6.35)	.202 (5.13)	.141 (3.58)	.062 (1.57)	.141 (3.58)	.062 (1.57)	.156 (3.96)	-	-	.032 (0.81)	.206 (5.23)
	-02	.094 (2.39)	.062 (1.57)														
	-03	.125 (3.18)	.094 (2.39)														
	-04	.156 (3.96)	.125 (3.18)														

SOLDER TERMINALS - SLOTTED



Dimensions in inches (mm)
See page 92/93 for recommended Anvil and Punch

How to order code

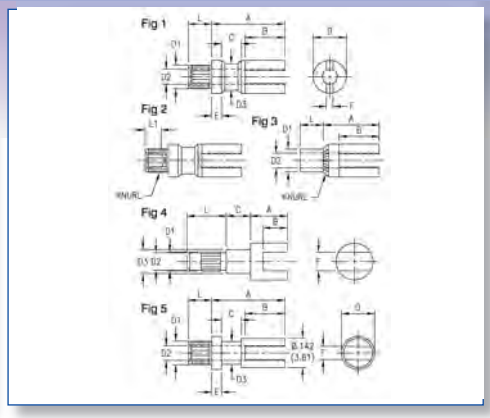
1XX - XXXX - XX - XX - 00

Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓
	Leaded Red Brass*	✓

Finish Code Table		
Dash No.	Finish	RoHS
-01	Silver	✓
-04	Electro-Tin	✓
-05	Electro-Solder	X

Fig.	Basic Part No.	L	Board Thickness	L1	A	B	C	D	D1	D2	D3	F	Mtg. Hole Diameter
1	140-2089 -11	.035 (0.89)	.016 (0.41)	-	.156 (3.96)	.068 (1.73)	.031 (0.79)	.062 (1.57)	.047 (1.19)	.026 (0.66)	.047 (1.19)	.025 (0.64)	.052 (1.32)
	-01	.051 (1.30)	.031 (0.79)										
	-02	.082 (2.08)	.062 (1.57)										
	-03	.113 (2.87)	.094 (2.39)										
	-04	.145 (3.68)	.125 (3.18)										
	140-1019 -11	.035 (0.89)	.016 (0.41)	-	.156 (3.96)	.068 (1.73)	.031 (0.79)	.072 (1.83)	.047 (1.19)	.026 (0.66)	.057 (1.45)	.028 (0.71)	.052 (1.32)
	-01	.051 (1.30)	.031 (0.79)										
	-02	.082 (2.08)	.062 (1.57)										
	-03	.113 (2.87)	.094 (2.39)										
	-04	.145 (3.68)	.125 (3.18)										
2	140-1018 -11	.035 (0.89)	.016 (0.41)	-	.094 (2.39)	.068 (1.73)	-	.072 (1.83)	.047 (1.19)	.026 (0.66)	-	.028 (0.71)	.052 (1.32)
	-01	.051 (1.30)	.031 (0.79)										
	-02	.082 (2.08)	.062 (1.57)										
	-03	.113 (2.87)	.094 (2.39)										
	-04	.145 (3.68)	.125 (3.18)										
3	140-1785 -11	.025 (0.64)	.016 (0.41)	-	.156 (3.96)	.093 (2.36)	-	.094 (2.39)	.062 (1.57)	.043 (1.09)	-	.026 (0.66)	.067 (1.70)
	-01	.045 (1.14)	.031 (0.79)										
	-02	.094 (2.39)	.062 (1.57)										
	-03	.125 (3.18)	.094 (2.39)										
	-04	.156 (3.96)	.125 (3.18)										
	140-1941 -11	.025 (0.64)	.016 (0.41)	-	.156 (3.96)	.094 (2.39)	-	.094 (2.39)	.071 (1.80)	.046 (1.17)	-	.029 (0.74)	.076 (1.93)
	-01	.045 (1.14)	.031 (0.79)										
	-02	.094 (2.39)	.062 (1.57)										
	-03	.125 (3.18)	.094 (2.39)										
	-04	.156 (3.96)	.125 (3.18)										
4	140-1385 -11	.025 (0.64)	.016 (0.41)	.040 (1.02)	.156 (3.96)	.093 (2.36)	-	.094 (2.39)	.062 (1.57)	.043 (1.09)	-	.025 (0.64)	.067 (1.70)
	-01	.045 (1.14)	.031 (0.79)										
	-02	.094 (2.39)	.062 (1.57)	.062 (1.57)									
	-03	.125 (3.18)	.094 (2.39)										
	-04	.156 (3.96)	.125 (3.18)										
5	180-2752 -01	.062 (1.57)	.031 (0.79)	-	.188 (4.78)	.093 (2.36)	-	.125 (3.18)	.060 (1.52)	.042 (1.07)	-	.029 (0.74)	.064 (1.63)
	-02	.094 (2.39)	.062 (1.57)										
	-03	.125 (3.18)	.094 (2.39)										
	-04	.156 (3.96)	.125 (3.18)										
	180-7338 -01*	.062 (1.57)	.031 (0.79)	-	.173 (4.39)	.093 (2.36)	-	.094 (2.39)	.060 (1.52)	.042 (1.07)	-	.029 (0.74)	.064 (1.63)
	-02*	.094 (2.39)	.062 (1.57)										
	-03*	.125 (3.18)	.094 (2.39)										
	-04*	.156 (3.96)	.125 (3.18)										
6	180-2926 -01	.062 (1.57)	.031 (0.79)	.062 (1.57)	.188 (4.78)	.093 (2.36)	-	.125 (3.18)	.060 (1.52)	.042 (1.07)	-	.026 (0.66)	.064 (1.63)
	-02	.094 (2.39)	.062 (1.57)										
	-03	.125 (3.18)	.094 (2.39)										
	-04	.156 (3.96)	.125 (3.18)										
7	140-1028 -01	.063 (1.60)	.031 (0.79)	-	.188 (4.78)	.100 (2.54)	.035 (0.89)	.125 (3.18)	.071 (1.80)	.040 (1.02)	.071 (1.80)	.036 (0.91)	.076 (1.93)
	-02	.094 (2.39)	.062 (1.57)										
	-03	.125 (3.18)	.094 (2.39)										
	-04	.156 (3.96)	.125 (3.18)										
8	140-2187 -11	.030 (0.76)	.016 (0.41)	-	.080 (2.03)	.032 (0.81)	.021 (0.53)	.045 (1.14)	.032 (0.81)	-	-	.015 (0.38)	.036 (0.91)
	-01	.045 (1.14)	.031 (0.79)										
	-02	.077 (1.96)	.062 (1.57)										
	-03	.108 (2.74)	.094 (2.39)										
	-04	.139 (3.53)	.125 (3.18)										



Dimensions in inches (mm)
See page 92 for recommended Anvil and Punch

How to order code

1XX - XXXX - XX - XX - 00

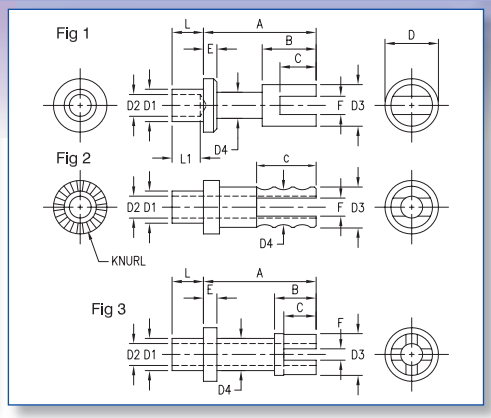
Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓
-03	Gold	✓
-05	Electro-Solder	X

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	E	F	L1	Mtg. Hole Diameter
1	140-1782 -03	.141 (3.58)	.094 (2.39)	.688 (17.48)	.250 (6.35)	.187 (4.75)	.250 (6.35)	.185 (4.70)	.120 (3.05)	.218 (5.54)	.187 (4.75)	.090 (2.29)	-	.189 (4.80)
	-04	.172 (4.37)	.125 (3.18)											
	140-1783 -02	.109 (2.77)	.062 (1.57)	.500 (12.70)	.219 (5.56)	.125 (3.18)	.219 (5.56)	.135 (3.43)	.102 (2.59)	.172 (4.37)	.093 (2.36)	.062 (1.57)	-	.140 (3.56)
	-03	.141 (3.58)	.094 (2.39)											
	-04	.172 (4.37)	.125 (3.18)											
	140-1784 -02	.109 (2.77)	.062 (1.57)	.344 (8.74)	.187 (4.75)	.062 (1.57)	.156 (3.96)	.112 (2.84)	.070 (1.78)	.125 (3.18)	.062 (1.57)	.031 (0.79)	-	.116 (2.95)
	-03	.141 (3.58)	.094 (2.39)											
	-04	.172 (4.37)	.125 (3.18)											
2	140-1937 -02	.109 (2.77)	.062 (1.57)	.344 (8.74)	.188 (4.78)	.063 (1.60)	.156 (3.96)	.112 (2.84)	.070 (1.78)	.125 (3.18)	.062 (1.57)	.072 (1.83)	.093 (2.36)	.116 (2.95)
	-03	.141 (3.58)	.094 (2.39)											
	-04	.172 (4.37)	.125 (3.18)											
3	140-1969 -01	.078 (1.98)	.031 (0.79)	.328 (8.33)	.207 (5.26)	-	.188 (4.78)	.112 (2.84)	.079 (2.01)	-	-	.053 (1.35)	-	.116 (2.95)
	-02	.109 (2.77)	.062 (1.57)											
	-03	.141 (3.58)	.094 (2.39)											
	-04	.172 (4.37)	.125 (3.18)											
4	180-2228 -01	.297 (7.54)	-	.094 (2.39)	.062 (1.57)	0.62 (1.57)	.094 (2.39)	.049 (1.24)	.045 (1.14)	.062 (1.57)	-	.055 (1.40)	-	.046 (1.18)
	-02	.100 (2.54)												
5	140-1578 -02	.109 (2.77)	.062 (1.57)	.375 (9.53)	.125 (3.18)	.093 (2.36)	.188 (4.78)	.150 (3.81)	.081 (2.06)	.125 (3.18)	.093 (2.36)	.064 (1.63)	-	.154 (3.91)
	-03	.141 (3.58)	.094 (2.39)											
	-04	.172 (4.37)	.125 (3.18)											

SOLDER TERMINALS - SLOTTED



Dimensions in inches (mm)
See page 92 for recommended Anvil and Punch

How to order code

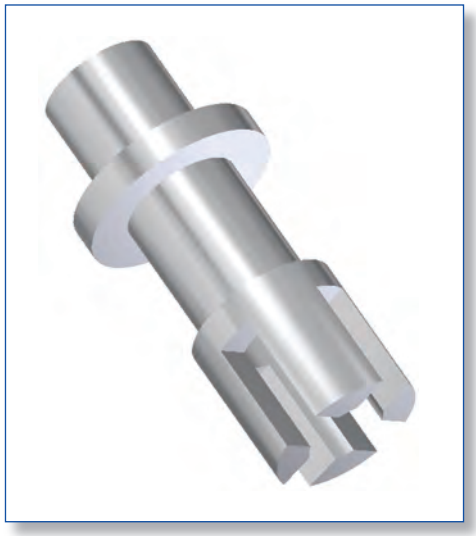
140 - 10XX - XX - 01 - 00

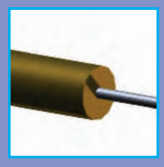
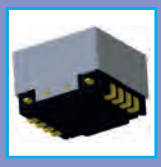
Basic Part No. — Finish

Material Code Table		
Component	Material	RoHS
Terminal	Brass	✓

Finish Code Table		
Dash No.	Terminal Finish	RoHS
-01	Silver	✓

Fig.	Basic Part No.	L	Board Thickness	A	B	C	D	D1	D2	D3	D4	E	F	L1	Mtg. Hole Diameter
1	140-1025 -01	.078 (1.98)	.031 (0.79)	.391 (9.93)	.187 (4.75)	.125 (3.18)	.188 (4.78)	.112 (2.84)	.076 (1.93)	.145 (3.68)	.090 (2.29)	.047 (1.19)	.063 (1.60)	.068 (1.73)	.116 (2.95)
	-02	.109 (2.77)	.062 (1.57)											.098 (2.49)	
	-03	.141 (3.58)	.094 (2.39)												
	-04	.172 (4.37)	.125 (3.18)												
2	140-1027 -01	.075 (1.91)	.031 (0.79)	.328 (8.33)	-	.201 (5.11)	.188 (4.78)	.112 (2.84)	.070 (1.78)	.140 (3.56)	.109 (2.77)	.062 (1.57)	.052 (1.32)	-	.116 (2.95)
	-02	.105 (2.67)	.062 (1.57)												
	-03	.135 (3.43)	.094 (2.39)												
	-04	.165 (4.19)	.125 (3.18)												
3	140-1010 -01	.078 (1.98)	.031 (0.79)	.312 (7.92)	.144 (3.66)	.113 (2.87)	.188 (4.78)	.112 (2.84)	.078 (1.98)	.146 (3.71)	.112 (2.84)	.031 (0.79)	.040 (1.02)	-	.116 (2.95)
	-02	.109 (2.77)	.062 (1.57)												
	-03	.141 (3.58)	.094 (2.39)												
	-04	.172 (4.37)	.125 (3.18)												




RF CHOKES - MOULDED

RF CHOKES - EPOXY DIPPED

CLASS-D POWER INDUCTOR

RFID TRANSPONDER COIL

AIR COILS

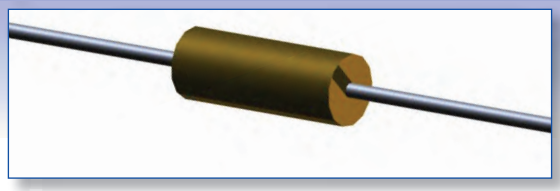
SHIELDED COMMON MODE CHOKE

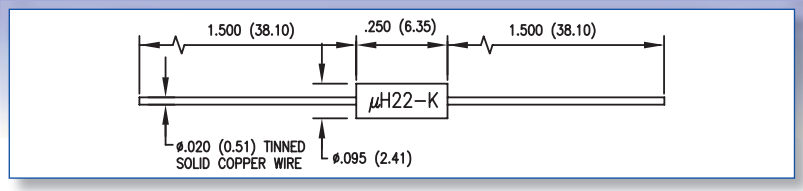
VARIABLE COILS

FILTER TERMINAL

section 06

Dimensions in inches (mm)





Inductance Tolerance Coded Dash Numbers			
-01	±5%	J	To Order
-02	±10%	K	Standard

Packaging Code	
-00	Loose
-36	Tape (500 Per Reel)

How to order code

55X - XXXX - XX - XX - XX

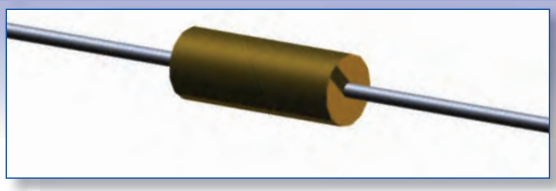
- Basic Part No.
- Inductance Code
- Inductance Tolerance
- Packaging

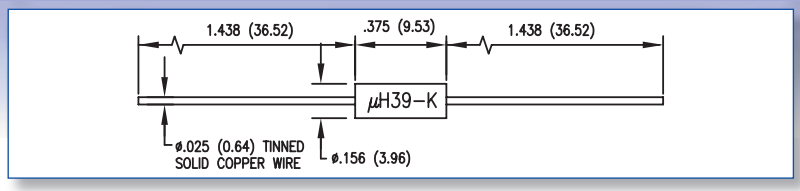
Basic Part No.		Body Marking Inductance & Tolerance	"Q" Min.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)
551-5172	-01	22nH-K	33	30.0	0.0055	3000	900
	-02	27nH-K	33	30.0	0.0085	3000	900
	-03	33nH-K	33	30.0	0.0255	2800	900
	-04	39nH-K	33	30.0	0.0330	2500	900
	05	47nH-K	33	25.0	0.0380	2340	900
	-06	56nH-K	33	25.0	0.0480	2080	900
	-07	68nH-K	33	25.0	0.0550	1940	900
	-08	82nH-K	33	25.0	0.0650	1790	750
550-3399	-01	μH10-K	40	25.0	0.080	1350	625
	-02	μH12-K	40	25.0	0.090	1270	590
	-03	μH15-K	38	25.0	0.10	1200	550
	-04	μH18-K	35	25.0	0.12	1105	500
	-05	μH22-K	33	25.0	0.14	1025	470
	-06	μH27-K	33	25.0	0.16	960	400
	-07	μH33-K	30	25.0	0.22	815	380
	-08	μH39-K	30	25.0	0.30	700	350
	-09	μH47-K	30	25.0	0.35	650	310
	-10	μH56-K	30	25.0	0.50	545	280
	-11	μH68-K	28	25.0	0.60	495	250
	-12	μH82-K	28	25.0	0.85	415	230
	-13	1μH0-K	25	25.0	1.00	385	210
	-14	1μH2-K	25	7.9	0.18	590	140
	-15	1μH5-K	28	7.9	0.22	535	130
	-16	1μH8-K	30	7.9	0.30	455	115
	-17	2μH2-K	30	7.9	0.40	395	105
	-18	2μH7-K	37	7.9	0.55	355	92.0
	-19	3μH3-K	45	7.9	0.85	270	83.0
	-20	3μH9-K	45	7.9	1.0	250	73.0
	-21	4μH7-K	45	7.9	1.2	230	69.0
	-22	5μH6-K	50	7.9	1.8	185	60.0
	-23	6μH8-K	50	7.9	2.0	175	55.0
	-24	8μH2-K	55	7.9	2.7	155	50.0
	-25	10μH -K	55	7.9	3.7	130	46.0
	-26	12μH -K	45	2.5	2.7	155	37.0
	-27	15μH -K	40	2.5	2.8	150	32.0
	-28	18μH-K	50	2.5	3.1	145	28.0
	-29	22μH-K	50	2.5	3.3	140	23.0
	-30	27μH -K	50	2.5	3.5	135	18.0
	-31	33μH -K	45	2.5	3.4	130	20.0
	-32	39μH -K	45	2.5	3.6	125	19.0
	-33	47μH -K	45	2.5	4.5	110	17.0
	-34	56μH -K	45	2.5	5.7	100	15.0
	-35	68μH -K	50	2.5	6.7	92	13.0
	-36	82μH -K	50	2.5	7.3	88	12.0
	-37	mH10-K	50	2.5	8.0	84	11.0
	-38	mH12-K	30	0.79	13.0	66	10.0
	-39	mH15-K	30	0.79	15.0	61	9.0
	-40	mH18-K	30	0.79	17.0	57	8.5
	-41	mH22-K	30	0.79	21.0	52	7.5
	-42	mH27-K	30	0.79	25.0	47	6.8
	-43	mH33-K	30	0.79	28.0	45	6.0
	-44	mH39-K	30	0.79	35.0	40	5.5
	-45	mH47-K	30	0.79	42.0	36	5.1
	-46	mH56-K	30	0.79	46.0	35	4.2
	-47	mH68-K	30	0.79	60.0	30	3.4
	-48	mH82-K	30	0.79	65.0	29	3.2
	-49	1mH0-K	30	0.79	72.0	28	2.9

Temperature Range: 551-5172 -01 to -08 -55°C to +125°C
550-3399 -01 to -14 -55°C to +125°C
550-3399 -15 to -49 -55°C to +105°C

For RoHS Compliant add suffix -LF to the part number
Conforms to BS9751 N001 Pattern A

Dimensions in inches (mm)





Inductance Tolerance Coded Dash Numbers			
-01	±5%	J	To Order
-02	±10%	K	Standard
-03	±20%	M	To Order

Packaging Code	
-00	Loose
-36	Tape (500 Per Reel)

How to order code

55X - XXXX - XX - XX - XX

- Basic Part No.
- Inductance Code
- Inductance Tolerance
- Packaging

Basic Part No.		Body Marking Inductance & Tolerance	"Q" Min.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)
551-5169	-01	22nH-K	45	30.0	0.0094	5400	940
	-02	27nH-K	45	30.0	0.011	5000	940
	-03	39nH-K	45	25.0	0.013	4600	850
	-04	56nH-K	45	25.0	0.015	4300	730
	-05	68nH-K	45	25.0	0.018	3900	660
	-06	82nH-K	45	25.0	0.019	3800	620
	-07	μH10-K	45	25.0	0.021	3600	600
550-3640	-01	μH15-K	50	25.0	0.030	2450	525
	-03	μH18-K	45	25.0	0.040	2400	450
	-05	μH22-K	50	25.0	0.055	1810	450
	-07	μH27-K	45	25.0	0.070	1800	390
	-09	μH33-K	45	25.0	0.090	1400	360
	-11	μH39-K	45	25.0	0.100	1410	330
	-13	μH47-K	45	25.0	0.120	1225	310
	-15	μH56-K	50	25.0	0.135	1190	280
	-17	μH68-K	50	25.0	0.150	1100	250
	-19	μH82-K	50	25.0	0.220	900	220
	-21	1μH0-K	50	25.0	0.290	785	200
	-23	1μH2-K	33	7.9	0.42	650	180
	-25	1μH5-K	33	7.9	0.50	600	160
	-27	1μH8-K	33	7.9	0.65	525	150
	-29	2μH2-K	33	7.9	0.95	425	139
	-31	2μH7-K	33	7.9	1.20	385	120
	-33	3μH3-K	33	7.9	2.00	300	110
	-35	3μH9-K	33	7.9	2.30	280	100.0
	-37	4μH7-K	33	7.9	2.60	260	90.0
	-39	5μH6-K	45	7.9	0.32	495	60.0
	-41	6μH8-K	50	7.9	0.50	395	55.0
	-43	8μH2-K	50	7.9	0.60	360	50.0
	-45	10μH-K	55	7.9	0.90	290	45.0
	-47	12μH-K	65	2.5	1.10	265	42.0
	-49	15μH-K	65	2.5	1.40	240	40.0
	-51	18μH-K	75	2.5	2.25	195	34.0
	-53	22μH-K	75	2.5	2.50	175	30.0
	-55	27μH-K	60	2.5	2.60	170	25.0
	-57	33μH-K	65	2.5	3.00	165	19.0
551-5180	-01	39μH-K	60	2.50	2.60	250	14.5
	-02	47μH-K	55	2.50	2.75	247	13.0
	-03	56μH-K	55	2.50	3.00	243	12.0
	-04	68μH-K	55	2.50	3.30	235	11.0
	-05	82μH-K	50	2.50	3.90	224	10.3
	-06	mH10-K	50	2.50	4.50	214	9.5
	-07	mH12-K	65	0.79	5.20	205	8.7
	-08	mH15-K	65	0.79	6.05	187	8.0
	-09	mH18-K	65	0.79	6.75	183	7.0
	-10	mH22-K	65	0.79	7.45	175	6.2
	-11	mH27-K	65	0.79	9.00	160	5.5
	-12	mH33-K	65	0.79	12.5	150	5.0
	-13	mH39-K	65	0.79	14.0	140	4.5
	-14	mH47-K	65	0.79	18.0	123	4.2
	-15	mH56-K	65	0.79	21.0	114	4.1
	-16	mH68-K	65	0.79	25.0	105	3.8
	-17	mH82-K	65	0.79	30.0	96	3.6
	-18	1mH0-K	65	0.79	35.0	89	3.4
	-19	1mH2-K	35	0.25	60.0	60	2.0

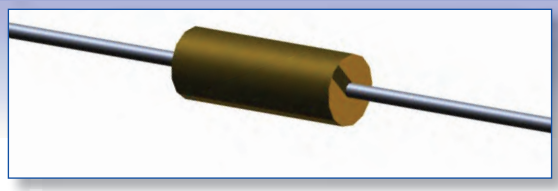
Temperature Range:

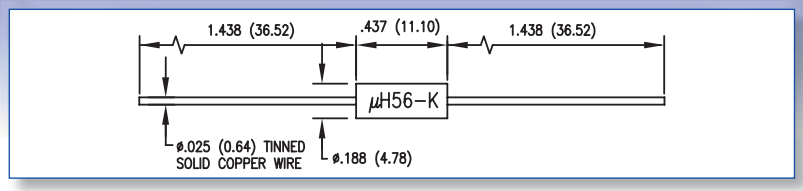
551-5169	-01 to -07	-55°C to +125°C
550-3640	-01 to -37	-55°C to +125°C
550-3640	-39 to -57	-55°C to +105°C
551-5180	-01 to -19	-55°C to +100°C

For RoHS Compliant add suffix -LF to the part number
Conforms to BS9751 N001 Pattern B

RF CHOKES - MOULDED

Dimensions in inches (mm)





Inductance Tolerance Coded Dash Numbers			
-01	±5%	J	To Order
-02	±10%	K	Standard
-03	±20%	M	To Order

Packaging Code	
-00	Loose
-36	Tape (500 Per Reel)

How to order code

550 - 2960 - XX - XX - XX

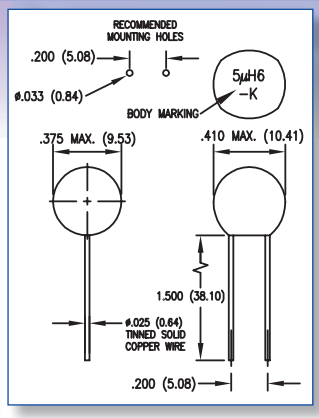
- 550 - 2960 — Basic Part No.
- XX — Inductance Code
- XX — Inductance Tolerance
- XX — Packaging

Basic Part No.		Body Marking Inductance & Tolerance	"Q" Min.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)
550-2960	-21	μH15-K	55	25.0	0.030	3000	510
	-22	μH22-K	50	25.0	0.035	2800	415
	-23	μH33-K	50	25.0	0.065	2000	350
	-24	μH47-K	50	25.0	0.085	1700	300
	-25	μH56-K	50	25.0	0.125	1450	270
	-26	μH68-K	45	25.0	0.150	1300	250
	-27	μH82-K	40	25.0	0.205	1100	210
	-28	1μH0-K	40	25.0	0.290	930	200
	-29	1μH2-K	30	7.9	0.400	795	180
	-30	1μH5-K	30	7.9	0.485	700	170
	-31	1μH8-K	30	7.9	0.740	580	150
	-32	2μH2-K	30	7.9	0.970	505	140
	-33	2μH7-K	30	7.9	1.200	460	120
	-34	3μH3-K	30	7.9	0.140	990	70.0
	-35	3μH9-K	30	7.9	0.155	870	65.0
	-36	4μH7-K	30	7.9	0.210	745	60.0
	-37	5μH6-K	30	7.9	0.280	645	50.0
	-38	6μH8-K	30	7.9	0.375	550	50.0
	-39	8μH2-K	30	7.9	0.440	540	45.0
	-40	10μH-K	30	7.9	0.605	440	42.0
	-41	12μH-K	50	2.5	1.05	370	36.0
	-42	15μH-K	55	2.5	1.20	310	30.0
	-43	18μH-K	60	2.5	1.95	255	30.0
	-44	22μH-K	60	2.5	2.20	240	24.0
	-45	27μH-K	65	2.5	2.75	205	22.0

Temperature Range: **-55^{0}C to +100^{0}C**

For RoHS Compliant add suffix -LF to the part number
Conforms to BS9751 N001 Pattern E

Dimensions in inches (mm)



Inductance Tolerance Coded Dash Numbers			
-01	±5%	J	To Order
-02	±10%	K	Standard

How to order code

553 - 3635 - XX - XX - 00

- Basic Part No.
- Inductance Code
- Inductance Tolerance

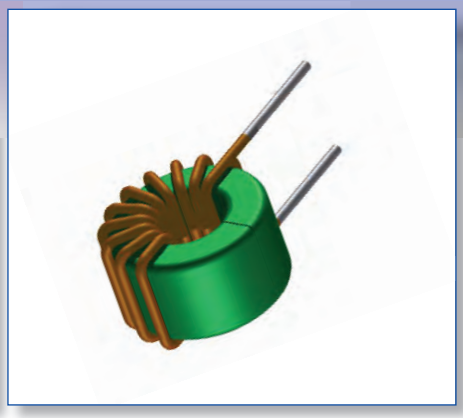
Basic Part No.		Body Marking Inductance & Tolerance	"Q" Min.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	Incremental Current (mA)	SRF Min. (MHz)
553-3635	-01	1µH0-K	80	7.9	0.070	2100	2100	144
	-02	1µH2-K	80	7.9	0.070	2100	2100	135
	-03	1µH5-K	80	7.9	0.100	1800	1800	117
	-04	1µH8-K	80	7.9	0.130	1650	1650	100
	-05	2µH2-K	80	7.9	0.140	1550	1500	90.0
	-06	2µH7-K	80	7.9	0.180	1450	1450	81.0
	-07	3µH3-K	80	7.9	0.200	1350	1350	72.0
	-08	3µH9-K	80	7.9	0.220	1250	1250	58.0
	-09	4µH7-K	80	7.9	0.250	1250	1250	45.0
	-10	5µH6-K	80	7.9	0.330	1150	1150	40.0
	-11	6µH8-K	80	7.9	0.370	950	950	34.0
	-12	8µH2-K	80	7.9	0.430	900	900	32.0
	-13	10µH-K	80	7.9	0.470	870	870	29.0
	-14	12µH-K	90	2.5	0.500	870	290	32.0
	-15	15µH-K	90	2.5	0.520	850	260	30.0
	-16	18µH-K	90	2.5	0.550	800	240	22.0
	-17	22µH-K	90	2.5	0.600	750	220	20.0
	-18	27µH-K	90	2.5	0.600	720	200	14.0
	-19	33µH-K	90	2.5	0.650	700	185	11.0
	-20	39µH-K	90	2.5	0.700	650	167	10.0
	-21	47µH-K	90	2.5	0.800	630	156	9.00
	-22	56µH-K	85	2.5	0.900	600	142	9.00
	-23	68µH-K	85	2.5	1.10	570	132	8.00
	-24	82µH-K	80	2.5	1.20	550	116	7.50
	-25	mH10-K	80	2.5	1.30	500	110	7.00
	-26	mH12-K	90	0.79	1.40	480	102	6.20
	-27	mH15-K	90	0.79	1.60	450	88.0	5.00
	-28	mH18-K	90	0.79	1.80	430	80.0	4.50
	-29	mH22-K	90	0.79	2.00	430	78.0	4.20
	-30	mH27-K	90	0.79	2.30	380	75.0	4.00
	-31	mH33-K	90	0.79	2.70	350	68.0	3.70
	-32	mH39-K	90	0.79	3.00	330	62.0	3.40
	-33	mH47-K	90	0.79	3.30	310	56.0	3.00
	-34	mH56-K	80	0.79	3.50	300	51.0	3.00
	-35	mH68-K	80	0.79	4.50	280	46.0	2.80
	-36	mH82-K	80	0.79	7.50	225	42.0	2.50
	-37	1mH0-K	80	0.79	8.50	220	38.0	2.30
	-38	1mH2-K	70	0.25	9.00	200	33.0	2.00
	-39	1mH5-K	70	0.25	9.50	190	28.0	1.80
	-40	1mH8-K	70	0.25	14.0	150	25.0	1.50
	-41	2mH2-K	70	0.25	15.0	150	23.0	1.35
	-42	2mH7-K	70	0.25	17.0	135	21.0	1.25
	-43	3mH3-K	70	0.25	20.0	125	19.0	1.10
	-44	3mH9-K	70	0.25	23.0	120	17.0	1.00
	-45	4mH7-K	70	0.25	27.0	110	16.0	0.90
	-46	5mH6-K	65	0.25	48.0	91	15.0	0.85
	-47	6mH8-K	60	0.25	55.0	86	13.0	0.75
	-48	8mH2-K	60	0.25	70.0	69	12.0	0.72
	-49	10mH-K	60	0.25	75.0	69	11.0	0.70
	-50	12mH-K	40	0.079	80.0	69	10.5	0.60
	-51	15mH-K	40	0.079	95.0	61	9.50	0.50
	-52	18mH-K	40	0.079	110	55	7.50	0.48
	-53	22mH-K	40	0.079	150	49	7.00	0.42
	-54	27mH-K	35	0.079	190	43	6.50	0.39
	-55	33mH-K	35	0.079	220	39	6.00	0.36
	-56	39mH-K	35	0.079	250	37	5.00	0.30
	-57	47mH-K	30	0.079	300	33	4.70	0.27
	-58	56mH-K	30	0.079	350	31	4.30	0.26
	-59	68mH-K	30	0.079	380	30	3.90	0.25
	-60	82mH-K	25	0.079	500	26	3.50	0.21
	-61	H10-K	25	0.079	550	25	3.20	0.19

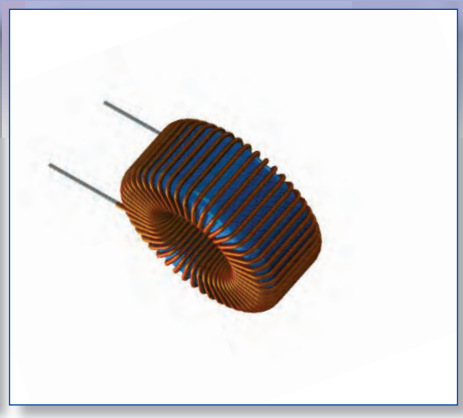
Temperature Range: **-55^{0}C to +105^{0}C**

For RoHS Compliant add suffix -LF to the part number
Incremental current, decreases inductance by 5%

CLASS-D POWER INDUCTOR

Dimensions in inches (mm)





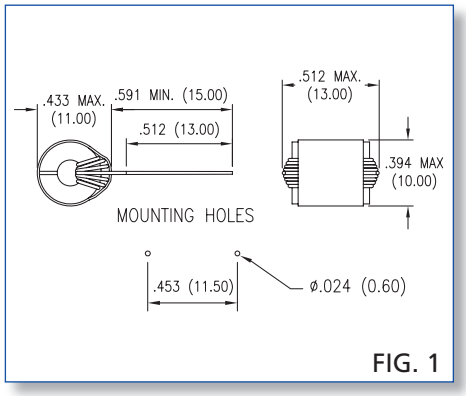


FIG. 1

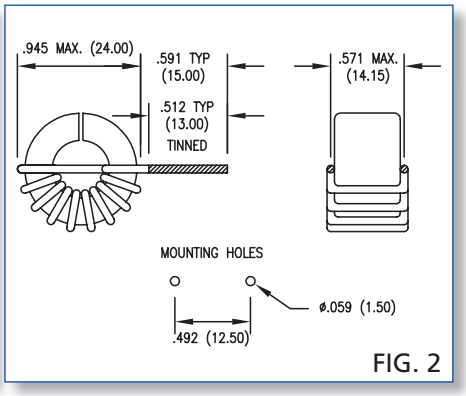


FIG. 2

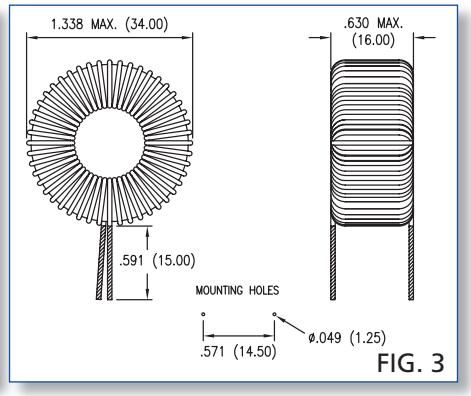


FIG. 3

How to order code

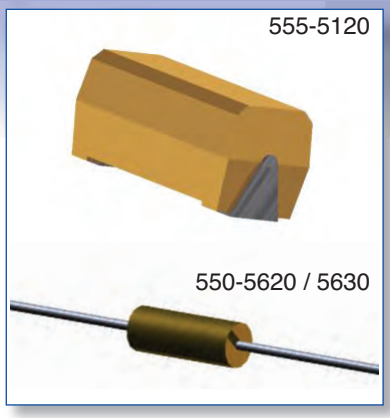
555 - 88XX - XX - 00 - 00

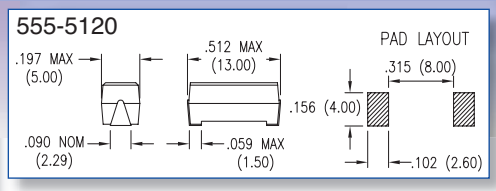
Basic Part No. — **Inductance Code**

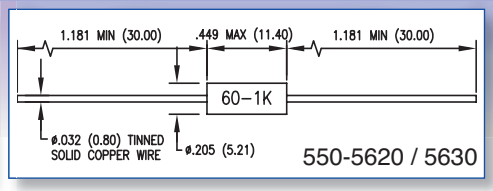
Fig.	Basic Part No.		Inductance Typical	I rated (A)	Test Frequency (KHz)	Saturation Current I_{sat} (A)			DCR Max. (mΩ)
						at -40°C	at +25°C	at +125°C	
1	555-8810	-10	10.0µH	3.5	100	8.00	6.00	5.00	70.0
		-20	20.0µH	3	100	7.50	6.50	4.50	100
		-30	30.0µH	1	100	5.00	4.00	3.25	130
2	555-8820	-10	10.0µH	8	100	9.50	8.50	7.50	10.0
		-20	20.0µH	7	100	8.00	7.50	6.50	15.0
		-30	30.0µH	5	100	6.00	5.25	4.50	25.0
3	555-8830	-10	10.0µH	9.5	100	37.5	37.0	32.0	35.0
		-20	20.0µH	9	100	37.0	36.0	30.0	45.0
		-30	30.0µH	7	100	27.0	25.0	23.0	55.0

Devices are RoHS compliant
Inductance at I_{rated} is a typical inductance value measured when the inductor is subjected to the rated current
Designed to match Zetex ZXCD series Class-D audio solutions

Dimensions in inches (mm)







Packaging	
-00	Loose
-36	Tape (1,000 per reel)

Inductance Tolerance Coded Dash Numbers		
G	±2%	To Order
J	±5%	Standard
K	±10%	To Order

How to order code

55X - XXXX - XX - XX - XX

- Basic Part No.
- Inductance Code
- Inductance Tolerance
- Packaging

Basic Part No.		Inductance	"Q" min.	Test Frequency (KHz)	SRF min. (KHz)	DCR Max. (Ω)
555-5120 550-5620 550-5630	-29-1 *	0.29mH	20	125	1000	8.50
	-34-1	0.34mH	20	125	1000	9.30
	-41-1 *	0.41mH	20	125	1000	10.3
	-49-1	0.49mH	20	125	1000	11.4
	-60-1 *	0.60mH	20	125	1000	13.0
	-73-1	0.73mH	20	125	1000	15.0
	-90-1	0.90mH	20	125	1000	17.0
	-11-2 *	1.08mH	20	125	1000	21.0
	-14-2	1.38mH	20	125	1000	22.0
	-16-2 *	1.62mH	20	125	600	25.7
	-19-2	1.97mH	20	125	400	29.2
	-24-2	2.38mH	22	125	400	41.0
	-29-2	2.89mH	25	125	400	44.6
	-34-2 *	3.44mH	25	125	400	69.8
	-42-2 *	4.15mH	25	125	350	76.2
	-49-2	4.91mH	25	125	350	87.2
	-60-2 *	6.00mH	25	125	350	99.0
	-72-2 *	7.20mH	25	125	330	130
	-74-2	7.36mH	25	125	300	141
	-90-2 *	9.00mH	22	125	300	310
	-11-3	10.8mH	20	125	300	340
	-14-3 *	13.5mH	20	125	300	360
	-16-3	16.2mH	20	125	300	364
	-20-3 *	19.8mH	20	125	300	462
	-24-3	23.8mH	20	125	300	510

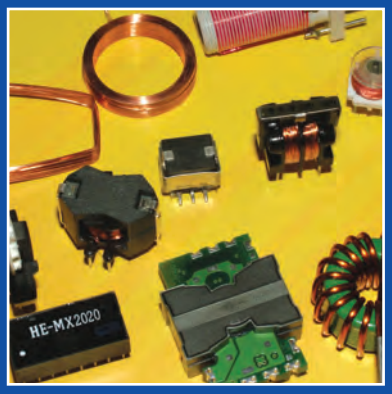
Temperature Range: -55°C to +100°C

Devices are RoHS compliant
555-5120 and 550-5620 series are an over moulded construction 550-5630 are covered with shrink sleeve

*** All asterisked lines feature in the Engineers designer kit (10 off each part),**
part number 555-5120-00-00-00 moulded surface mount
part number 550-5620-00-00-00 moulded through hole, axial
part number 550-5630-00-00-00 sleeved through hole, axial

Transformers and custom products

In addition to its standard range of inductive products, Cambion can offer a wide range of transformer types which would be engineered application specific, accommodating power rating from 0.2VA to over 500VA, in through hole, surface mount, open frame and potted styles. Typical application include, DC-DC Converters, AC-DC or DC-AC power supplies.



Transformers

Types – linear and switching

Core material – laminated steel, laminated nickel, iron powder and ferrite

Power rating – from 0.2VA to over 500VA

Styles – through hole and surface mount, open frame, potted, planar and traditional winding methods

Applications include – dc-dc converter, ac-dc or dc-ac power supplies, impedance matching

Toroids

Outside Diameter – 1.5mm to 175mm

Core material – strip steel, amorphous, iron powder and ferrite

Wire size – 0.05mm to over 3mm

Mounting – self-leaded, surface mount, open frame, potted

Applications include – dc-dc converters, common mode and differential mode filter, RF mixer, baluns, current sensors, audio systems

Air Coils

Types – with or without ferrite, Iron powder and steel cores

Diameter – 1mm to 40mm

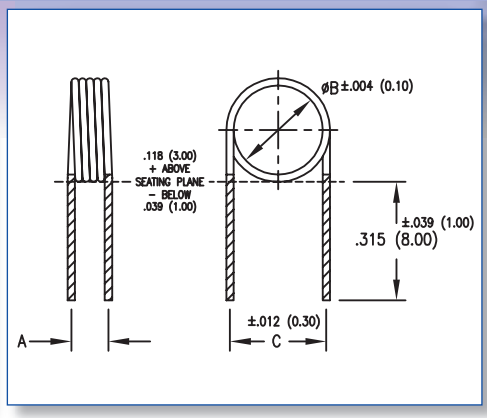
Turns – up to 100

Wire size – 0.1mm to 5mm

Wire type – silver plated, tinned, enamel coated copper and aluminium

Applications include – power supplies, noise suppression, RF filters

Additionally Cambion are able to assist with inductive component development, either via a hybrid version of a standard product or to an application specific device requirement. Cambion offers fast turnaround of prototypes to low cost, high volumes via its UK manufacturing activity and Far Eastern associate group facilities.



Dimensions in inches (mm)

How to order code

555 - 20XX - XX - 00 - 00

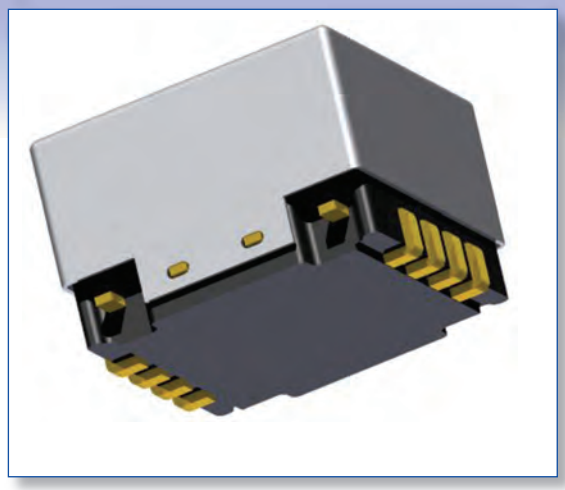
Basic Part No. — Inductance Code

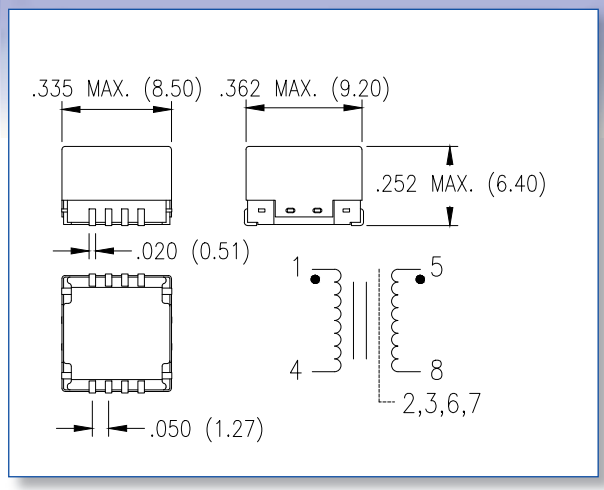
Basic Part No.		Turns	Inductance	Q Min.	Test Frequency (MHz)	DCR (typical)	SRF Min.	Dimension A	Dimension B	Dimension C
555-2030	-03	3½	40.0 nH ±7%	150	100	4.6 mΩ	2.1 GHz	.087 (2.20)	.118 (3.00)	.146 (3.70)
	-04	4½	55.0 nH ±7%	150	100	5.7 mΩ	2.0 GHz	.110 (2.80)	.118 (3.00)	.146 (3.70)
	-05	5½	70.0 nH ±7%	140	100	6.9 mΩ	1.9 GHz	.130 (3.30)	.118 (3.00)	.146 (3.70)
	-06	6½	90.0 nH ±7%	140	100	7.7 mΩ	1.8 GHz	.154 (3.90)	.118 (3.00)	.146 (3.70)
	-07	7½	105 nH ±5%	130	100	9.0 mΩ	1.7 GHz	.174 (4.40)	.118 (3.00)	.146 (3.70)
	-08	8½	120 nH ±5%	130	100	10.1 mΩ	1.6 GHz	.197 (5.00)	.118 (3.00)	.146 (3.70)
	-09	9½	140 nH ±5%	130	100	11.0 mΩ	1.5 GHz	.217 (5.50)	.118 (3.00)	.146 (3.70)
	-10	10½	160 nH ±5%	130	100	11.9 mΩ	1.5 GHz	.240 (6.10)	.118 (3.00)	.146 (3.70)
	-11	11½	175 nH ±5%	120	100	13.0 mΩ	1.4 GHz	.260 (6.60)	.118 (3.00)	.146 (3.70)
	-12	12½	195 nH ±5%	120	100	14.0 mΩ	1.4 GHz	.283 (7.20)	.118 (3.00)	.146 (3.70)
	-13	13½	210 nH ±5%	120	100	15.2 mΩ	1.3 GHz	.303 (7.70)	.118 (3.00)	.146 (3.70)
	-14	14½	230 nH ±5%	120	100	16.3 mΩ	1.3 GHz	.327 (8.30)	.118 (3.00)	.146 (3.70)
	-15	15½	250 nH±5%	110	100	17.4 mΩ	1.2 GHz	.346 (8.80)	.118 (3.00)	.146 (3.70)
	-16	16½	265 nH ±5%	110	100	18.5 mΩ	1.2 GHz	.370 (9.40)	.118 (3.00)	.146 (3.70)
	-17	17½	290 nH ±5%	110	100	19.5 mΩ	1.1 GHz	.390 (9.90)	.118 (3.00)	.146 (3.70)
	-18	18½	305 nH ±3%	100	100	20.4 mΩ	1.1 GHz	.413 (10.5)	.118 (3.00)	.146 (3.70)
	-19	19½	325 nH ±3%	100	100	21.5 mΩ	1.0 GHz	.433 (11.0)	.118 (3.00)	.146 (3.70)
	-20	20½	345 nH ±3%	90	100	22.6 mΩ	1.0 GHz	.457 (11.6)	.118 (3.00)	.146 (3.70)
555-2060	-03	3½	100 nH ±5%	140	50.0	8.0 mΩ	800 MHz	.087 (2.20)	.236 (6.00)	.267 (6.70)
	-04	4½	145 nH ±5%	140	50.0	10.3 mΩ	675 MHz	.110 (2.80)	.236 (6.00)	.267 (6.70)
	-05	5½	195 nH ±5%	140	50.0	11.8 mΩ	575 MHz	.130 (3.30)	.236 (6.00)	.267 (6.70)
	-06	6½	250 nH ±5%	130	50.0	13.6 mΩ	525 MHz	.154 (3.90)	.236 (6.00)	.267 (6.70)
	-07	7½	305 nH ±5%	130	50.0	15.6 mΩ	478 MHz	.174 (4.40)	.236 (6.00)	.267 (6.70)
	-08	8½	360 nH ±5%	130	50.0	17.0 mΩ	425 MHz	.197 (5.00)	.236 (6.00)	.267 (6.70)
	-09	9½	425 nH ±5%	120	50.0	18.9 mΩ	400 MHz	.217 (5.50)	.236 (6.00)	.267 (6.70)
	-10	10½	485 nH ±5%	120	50.0	20.3 mΩ	375 MHz	.240 (6.10)	.236 (6.00)	.267 (6.70)
	-11	11½	550 nH ±5%	120	50.0	22.2 mΩ	350 MHz	.260 (6.60)	.236 (6.00)	.267 (6.70)
	-12	12½	610 nH ±5%	110	50.0	24.1 mΩ	350 MHz	.283 (7.20)	.236 (6.00)	.267 (6.70)
	-13	13½	675 nH ±5%	110	50.0	25.8 mΩ	325 MHz	.303 (7.70)	.236 (6.00)	.267 (6.70)
	-14	14½	740 nH ±5%	110	50.0	28.0 mΩ	325 MHz	.327 (8.30)	.236 (6.00)	.267 (6.70)
	-15	15½	810 nH ±5%	100	50.0	29.7 mΩ	300 MHz	.346 (8.80)	.236 (6.00)	.267 (6.70)
	-16	16½	870 nH ±5%	100	50.0	31.8 mΩ	300 MHz	.370 (9.40)	.236 (6.00)	.267 (6.70)
	-17	17½	940 nH ±5%	100	50.0	33.3 mΩ	300 MHz	.390 (9.90)	.236 (6.00)	.267 (6.70)
	-18	18½	1000 nH ±5%	90	50.0	35.2 mΩ	275 MHz	.413 (10.5)	.236 (6.00)	.267 (6.70)
	-19	19½	1065 nH ±5%	90	50.0	37.0 mΩ	275 MHz	.433 (11.0)	.236 (6.00)	.267 (6.70)
	-20	20½	1130 nH ±5%	80	50.0	38.7 mΩ	250 MHz	.457 (11.6)	.236 (6.00)	.267 (6.70)

Devices are RoHS compliant
Typical I_{DC} 555-2030 series 4Amps.
555-2060 series 2.5Amps
Wire 0.5mm Ø class 200
Leads tinned 96/3.5/0.5 tin/silver/copper

SHIELDED COMMON MODE CHOKE

Dimensions in inches (mm)





How to order code

555 - 8005 - XX - 01 - 36

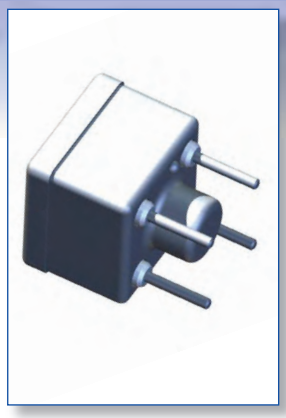
- 555 - 8005 — Basic Part No.
- XX — Inductance Code
- 36 — Packaging

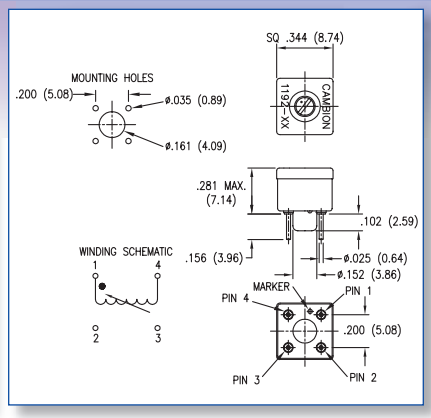
Basic Part No.		INDUCTANCE & TOLERANCE	TEST FREQUENCY (KHz)	DCR Max (W) per winding	CURRENT Max (mA)
555-8005	-01	0.03mH +/-30%	100	0.07	100
	-02	0.11mH +/-30%	100	0.13	100
	-03	0.44mH +/-30%	100	0.26	100
	-04	1.75mH +/-30%	100	0.53	100
	-05	2.73mH +/-30%	100	0.65	100
	-06	3.92mH +/-30%	100	0.78	100
	-07	6.98mH +/-30%	100	1.05	100
	-08	10.90mH +/-30%	100	1.31	100

Notes

Core material	Ferrite
Inductance	Measured at 100KHz, 30mV (reading taken at 25˚C ±5˚C)
Terminations	Gold over Nickel underplate and meet the requirements of J-STD-001 and IPC-A-610
Weight	1.0g (typical)
Operating temperature	-51˚C to +85˚C
Storage temperature	-51˚C to +105˚C
Resistance to soldering heat	Maximum of three 20 second reflows at +260˚C, parts cooled to room temperature between cycles
Moisture Sensitivity Level (MAS)	1 (unlimited floor life at <35˚C / 85% relative humidity)
Packaging	500pcs per 13” (330mm) reel. Anti-static 24mm carrier tape
PCB washing	Pure water or alcohol recommended – others to be evaluated by customer
Compliance	RoHS

Dimensions in inches (mm)





Core Material

-01 to -07	Carbonyl SF	(Blue)
-08 to -19	Carbonyl E	(Red)
-20 to -25	Carbonyl C	(Yellow)

How to order code

558 - 1192 - XX - 00 - 00

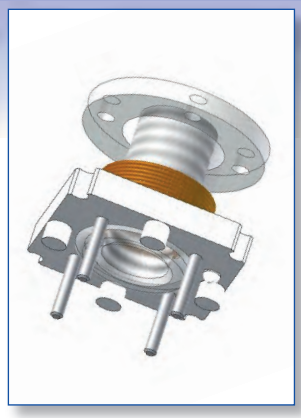
Basic Part No. — Inductance Code

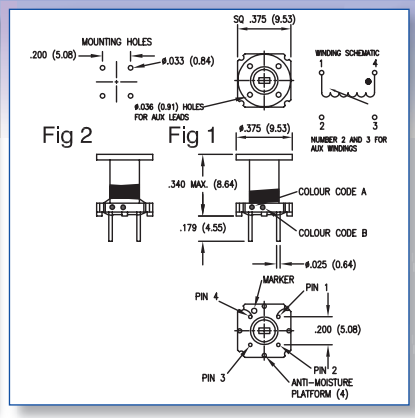
Basic Part No.		Inductance (µH) Min.	Inductance (µH) Max.	"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)
558-1192	-01	0.080	0.120	50	65	25.0	0.050	1300	250
	-02	0.120	0.180	55	70	25.0	0.060	1200	250
	-03	0.180	0.270	55	70	25.0	0.100	1100	250
	-04	0.270	0.390	60	70	25.0	0.120	950	240
	-05	0.390	0.560	60	70	25.0	0.200	700	215
	-06	0.560	0.820	55	60	25.0	0.450	540	180
	-07	0.820	1.20	50	45	25.0	0.500	450	146
	-08	1.20	1.80	35	40	7.9	0.700	375	120
	-09	1.80	2.70	40	45	7.9	1.00	300	100
	-10	2.70	3.90	40	45	7.9	1.50	230	81.0
	-11	3.90	5.60	30	40	7.9	1.70	230	43.0
	-12	5.60	8.20	25	40	7.9	1.90	210	32.0
	-13	8.20	12.0	25	40	7.9	2.00	200	17.5
	-14	12.0	18.0	35	50	2.5	2.70	180	17.0
	-15	18.0	27.0	40	50	2.5	3.50	160	13.0
	-16	27.0	39.0	40	50	2.5	4.50	150	11.0
	-17	39.0	56.0	40	50	2.5	5.50	140	9.0
	-18	56.0	82.0	40	50	2.5	6.50	130	8.00
	-19	82.0	120	40	40	2.5	10.0	120	6.50
	-20	120	180	25	30	0.79	14.0	80.0	5.50
	-21	180	270	25	30	0.79	20.0	75.0	4.00
	-22	270	390	25	30	0.79	28.0	70.0	3.20
	-23	390	560	25	30	0.79	38.0	60.0	2.80
	-24	560	820	25	30	0.79	48.0	50.0	2.40
	-25	820	1200	25	30	0.79	65.0	40.0	1.90

Temperature Range: **-55^{0}C to +125^{0}C**

For RoHS Compliant add suffix -LF to the part number
Windings are varnish impregnated and powdered iron cores are moisture proofed
Recommended tuning tool 435-1880-01-00-00

Dimensions in inches (mm)





Core Material

-01 to -13	Carbonyl J	(Green)
-14 to -49	Carbonyl E	(Red)
-50 to -73	Carbonyl C	(Yellow)

How to order code

556 - 7105 - XX - 00 - 00

Basic Part No. — Inductance Code

Fig.	Basic Part No.		Inductance (µH) Min.	Inductance (µH) Max.	Colour Code A	Colour Code B	"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)
1	556-7105	-01	0.090	0.110	Brown	-	60	70	25.0	0.030	487	550
		-02	0.108	0.132	Red	-	60	70	25.0	0.047	300	475
		-03	0.132	0.165	Orange	-	60	70	25.0	0.040	400	430
		-04	0.162	0.198	Yellow	-	65	75	25.0	0.044	400	350
		-05	0.198	0.242	Green	-	65	75	25.0	0.055	400	330
		-06	0.242	0.297	Blue	-	65	75	25.0	0.057	400	330
		-07	0.297	0.363	Violet	-	60	70	25.0	0.143	200	310
		-08	0.352	0.431	Grey	-	60	70	25.0	0.132	200	250
		-09	0.422	0.516	White	-	60	70	25.0	0.198	200	230
		-10	0.502	0.620	Brown	Black	65	70	25.0	0.176	126	220
		-11	0.612	0.748	Brown	Brown	65	65	25.0	0.198	126	200
		-12	0.738	0.904	Brown	Red	65	70	25.0	0.220	126	180
		-13	0.900	1.10	Brown	Orange	65	70	25.0	0.242	126	170
		-14	1.08	1.32	Brown	Yellow	50	50	7.9	0.270	126	150
		-15	1.32	1.65	Brown	Green	50	50	7.9	0.400	100	140
		-16	1.62	1.98	Brown	Blue	50	50	7.9	0.520	81	130
		-17	1.98	2.42	Brown	Violet	50	50	7.9	0.560	81	110
		-18	2.43	2.97	Brown	Grey	50	50	7.9	0.650	81	100
		-19	2.97	3.63	Brown	White	50	55	7.9	0.800	64	90.0
		-20	3.52	4.31	Red	Black	55	55	7.9	1.00	64	80.0
		-21	4.22	5.16	Red	Brown	55	55	7.9	1.36	49	85.0
		-22	5.02	6.20	Red	Red	55	55	7.9	1.70	49	70.0
		-23	6.12	7.48	Red	Orange	55	55	7.9	2.00	38	65.0
		-24	7.38	9.04	Red	Yellow	55	55	7.9	2.40	38	55.0
		-25	9.00	11.0	Red	Green	55	55	7.9	3.00	31	50.0
2	556-7105	-26	10.5	11.5	Red	Blue	55	55	2.5	1.75	48	16.0
		-27	11.4	12.6	Red	Violet	55	60	2.5	1.77	48	15.0
		-28	12.3	13.9	Red	Grey	55	60	2.5	1.79	48	15.0
		-29	13.9	15.8	Red	White	55	60	2.5	1.82	48	14.0
		-30	15.2	17.1	Orange	Black	55	60	2.5	1.92	48	13.0
		-31	17.1	18.9	Orange	Brown	55	60	2.5	2.02	48	12.0
		-32	18.9	21.0	Orange	Red	55	60	2.5	2.10	48	12.0
		-33	20.9	23.1	Orange	Orange	55	60	2.5	2.20	48	11.0
		-34	22.8	25.7	Orange	Yellow	55	60	2.5	2.40	48	11.0
		-35	25.7	28.3	Orange	Green	55	60	2.5	2.60	48	11.0
		-36	28.3	31.5	Orange	Blue	55	60	2.5	2.70	48	11.0
		-37	31.4	34.5	Orange	Violet	55	60	2.5	2.80	48	11.0

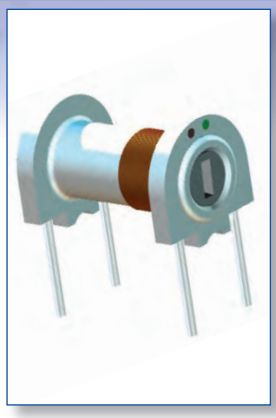
Temperature Range: **-55°C to +105°C**

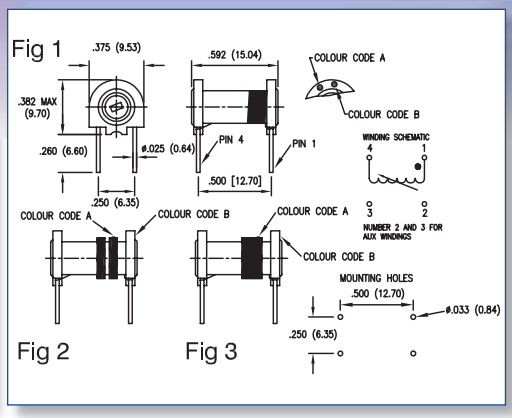
For RoHS Compliant add suffix -LF to the part number
Windings are varnish impregnated and powdered iron cores are moisture proofed
Recommended tuning tool 435-1522-01-00-00

Fig.	Basic Part No.		Inductance (μH)		Colour Code		"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)
			Min.	Max.	A	B						
2	556-7105	-38	34.2	37.8	Orange	Grey	55	60	2.5	3.00	48	10.0
		-39	37.1	40.9	Orange	White	55	60	2.5	3.20	48	10.0
		-40	40.8	45.2	Yellow	Black	55	60	2.5	3.40	48	9.50
		-41	44.6	48.5	Yellow	Brown	55	60	2.5	3.50	48	9.50
		-42	48.5	53.5	Yellow	Red	55	60	2.5	3.65	48	9.00
		-43	53.2	58.8	Yellow	Orange	55	60	2.5	4.00	48	9.00
		-44	58.9	65.1	Yellow	Yellow	55	60	2.5	4.20	48	8.50
		-45	64.6	71.4	Yellow	Green	55	60	2.5	4.30	48	8.50
		-46	70.3	77.7	Yellow	Blue	55	60	2.5	4.50	48	8.00
		-47	77.7	86.5	Yellow	Violet	55	60	2.5	4.80	48	8.00
		-48	86.5	95.5	Yellow	Grey	50	55	2.5	5.00	48	7.50
		-49	95.0	105	Yellow	White	50	55	2.5	5.20	48	7.00
		-50	105	115	Green	Black	50	55	0.79	5.70	48	6.50
		-51	114	126	Green	Brown	50	55	0.79	6.30	48	6.00
		-52	123	140	Green	Red	50	55	0.79	6.60	48	5.50
		-53	140	158	Green	Orange	55	65	0.79	7.10	48	5.50
		-54	152	171	Green	Yellow	55	65	0.79	7.50	48	5.00
		-55	171	189	Green	Green	55	65	0.79	8.00	48	5.00
		-56	189	210	Green	Blue	60	70	0.79	8.40	48	5.00
		-57	209	231	Green	Violet	60	70	0.79	8.70	48	4.50
		-58	228	254	Green	Grey	60	70	0.79	9.10	48	4.50
		-59	254	283	Green	White	40	45	0.79	9.50	64	5.50
		-60	283	315	Blue	Black	40	45	0.79	10.7	64	5.00
		-61	314	345	Blue	Brown	40	45	0.79	11.5	64	4.50
		-62	342	378	Blue	Red	40	45	0.79	13.8	49	4.50
		-63	371	409	Blue	Orange	40	45	0.79	15.0	49	4.00
		-64	408	452	Blue	Yellow	40	45	0.79	16.0	49	4.00
		-65	452	494	Blue	Green	40	45	0.79	16.8	49	3.50
		-66	485	535	Blue	Blue	40	45	0.79	17.5	49	3.50
		-67	532	588	Blue	Violet	40	45	0.79	18.0	49	3.00
		-68	589	651	Blue	Grey	40	45	0.79	23.0	38	3.00
		-69	646	714	Blue	White	40	45	0.79	24.0	38	3.00
		-70	703	777	Violet	Black	40	45	0.79	25.0	38	3.00
		-71	777	865	Violet	Brown	45	50	0.79	33.0	31	2.50
		-72	865	955	Violet	Red	45	50	0.79	34.0	31	2.00
		-73	950	1050	Violet	Orange	45	50	0.79	35.0	31	2.00

VARIABLE COILS

Dimensions in inches (mm)





Core Material

-01 to -18	Carbonyl SF	(Blue)
-19 to -37	Carbonyl E	(Red)
-38 to -61	Carbonyl C	(Yellow)

How to order code

556 - 7120 - XX - 00 - 00

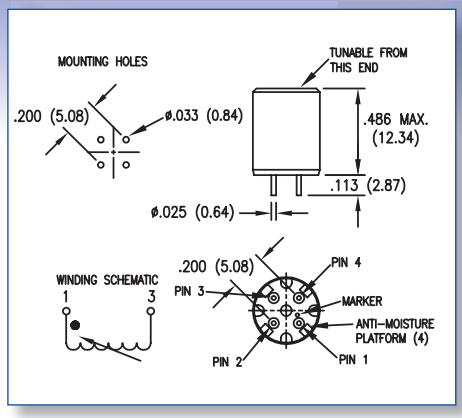
Basic Part No. — Inductance Code

Fig.	Basic Part No.		Inductance (µH) Min.	Inductance (µH) Max.	Colour Code A	Colour Code B	"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max.. (Ω)	SRF Min.. (MHz)
1	556-7120	-01	0.095	0.105	Brown	-	55	65	25.0	0.015	400
		-02	0.114	0.126	Red	-	55	65	25.0	0.023	370
		-03	0.142	0.158	Orange	-	70	70	25.0	0.025	330
		-04	0.171	0.189	Yellow	-	65	70	25.0	0.050	300
		-05	0.209	0.231	Green	-	75	80	25.0	0.024	280
		-06	0.256	0.284	Blue	-	80	80	25.0	0.025	250
		-07	0.314	0.347	Violet	-	80	85	25.0	0.027	235
		-08	0.370	0.420	Grey	-	85	85	25.0	0.030	220
		-09	0.420	0.520	White	-	85	85	25.0	0.035	200
		-10	0.520	0.610	Brown	Black	85	85	25.0	0.040	180
		-11	0.600	0.740	Brown	Brown	75	70	25.0	0.070	170
		-12	0.710	0.900	Brown	Red	80	85	25.0	0.080	150
		-13	0.890	1.12	Brown	Orange	80	80	25.0	0.100	140
		-14	1.08	1.32	Brown	Yellow	65	60	7.9	0.120	130
		-15	1.32	1.62	Brown	Green	70	70	7.9	0.200	120
		-16	1.62	1.97	Brown	Blue	65	70	7.9	0.350	108
		-17	1.97	2.43	Brown	Violet	60	65	7.9	0.500	95.0
		-18	2.42	2.96	Brown	Grey	60	65	7.9	0.600	88.0
		-19	2.96	3.64	Brown	White	65	65	7.9	0.900	80.0
		-20	3.50	4.27	Red	Black	70	65	7.9	1.00	75.0
		-21	4.24	5.20	Red	Brown	65	65	7.9	1.20	68.0
		-22	5.00	6.30	Red	Red	70	70	7.9	1.40	62.0
		-23	6.10	7.50	Red	Orange	70	70	7.9	1.60	57.0
		-24	7.30	8.90	Red	Yellow	70	70	7.9	2.00	52.0
		-25	8.50	11.5	Red	Green	70	70	7.9	2.20	48.0
		-26	10.8	13.2	Red	Blue	50	55	2.5	2.70	44.0
		-27	13.2	16.5	Red	Violet	40	50	2.5	4.20	40.0
2	556-7120	-28	16.2	19.5	Red	Grey	60	70	2.5	2.20	15.0
		-29	19.5	24.3	Red	White	65	75	2.5	2.40	13.5
		-30	24.2	29.5	Orange	Black	75	80	2.5	2.60	12.0
		-31	29.5	36.5	Orange	Brown	65	75	2.5	2.80	11.5
		-32	35.0	43.0	Orange	Red	65	75	2.5	3.00	10.5
		-33	42.0	51.5	Orange	Orange	65	75	2.5	3.20	9.50
		-34	50.0	62.0	Orange	Yellow	65	75	2.5	3.50	9.00
		-35	61.0	75.0	Orange	Green	60	65	2.5	4.00	8.20
		-36	74.0	90.0	Orange	Blue	65	70	2.5	4.50	7.70
		-37	90.0	110	Orange	Violet	60	65	2.5	5.00	7.00
		-38	108	132	Orange	Grey	65	80	0.79	5.50	6.50
		-39	130	165	Orange	White	70	80	0.79	6.00	6.00
		-40	160	200	Yellow	Black	70	85	0.79	7.00	5.50
		-41	195	245	Yellow	Brown	70	85	0.79	8.00	5.00
		-42	240	300	Yellow	Red	75	85	0.79	10.0	4.60
		-43	295	365	Yellow	Orange	70	85	0.79	15.0	4.20
		-44	350	430	Yellow	Yellow	75	85	0.79	15.0	4.00
		-45	420	520	Yellow	Green	65	70	0.79	22.0	3.70
		-46	500	620	Yellow	Blue	65	70	0.79	24.0	3.50
		-47	600	750	Yellow	Violet	65	70	0.79	26.0	3.20
3	556-7120	-48	740	900	Yellow	Grey	60	65	0.79	30.0	1.60
		-49	900	1100	Yellow	White	65	70	0.79	35.0	1.50
		-50	1050	1350	Green	Black	32	42	0.25	42.0	1.30
		-51	1300	1650	Green	Brown	32	42	0.25	50.0	1.20
		-52	1600	2000	Green	Red	32	42	0.25	67.0	1.10
		-53	1950	2450	Green	Orange	32	42	0.25	78.0	1.00
		-54	2400	3000	Green	Yellow	32	42	0.25	90.0	0.950
		-55	2950	3650	Green	Green	32	42	0.25	105	0.900
		-56	3500	4300	Green	Blue	32	42	0.25	125	0.800
		-57	4200	5150	Green	Violet	34	36	0.25	140	0.750
		-58	5000	6200	Green	Grey	35	40	0.25	170	0.700
		-59	6100	7500	Green	White	35	36	0.25	190	0.650
		-60	7400	9000	Blue	Black	32	32	0.25	220	0.580
		-61	9000	11000	Blue	Brown	32	36	0.25	250	0.500

Temperature Range: **-55°C to +105°C**

For RoHS Compliant add suffix -LF to the part number
Windings are varnish impregnated and powdered iron cores are moisture proofed
Recommended tuning tool 435-1522-01-00-00

Dimensions in inches (mm)



Core and Cup Core Material
-01 to -37 High Q ferrite

How to order code

558 - 3387 - XX - 00 - 00

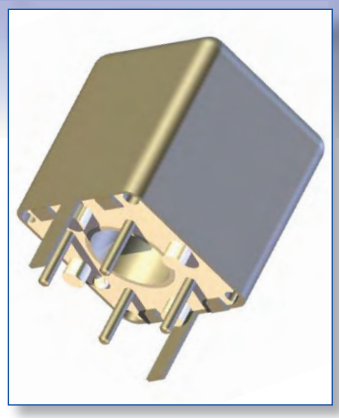
Basic Part No. — Inductance Code

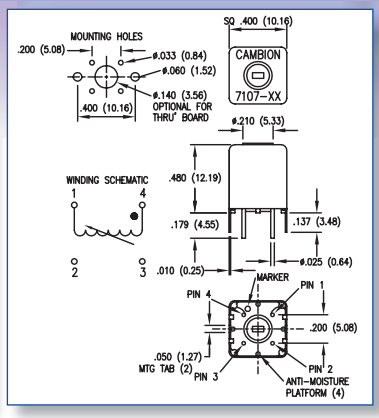
Basic Part No.		Inductance (µH) Min.	Inductance (µH) Max.	"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)
558-3387	-01	1.35	1.65	80	85	7.9	0.100	157	104
	-02	1.65	1.98	80	80	7.9	0.110	157	92.0
	-03	1.98	2.42	80	85	7.9	0.120	157	84.0
	-04	2.43	2.97	80	85	7.9	0.130	157	81.0
	-05	2.97	3.63	80	80	7.9	0.140	157	55.0
	-06	3.51	4.29	85	90	7.9	0.160	157	46.0
	-07	4.25	5.10	85	80	7.9	0.180	157	36.0
	-08	5.10	6.14	85	85	7.9	0.200	157	33.0
	-09	6.14	7.48	100	100	7.9	0.400	64	37.0
	-10	7.40	9.00	85	85	7.9	0.500	64	28.0
	-11	9.00	11.0	80	80	7.9	0.520	64	20.0
	-12	11.0	13.0	75	80	2.5	0.550	64	15.0
	-13	13.5	16.5	85	85	2.5	0.650	64	12.0
	-14	16.5	19.8	65	80	2.5	0.700	64	10.0
	-15	19.8	24.0	70	90	2.5	0.750	64	9.6
	-16	28.0	38.0	65	80	2.5	1.00	64	8.80
	-17	40.0	54.0	65	85	2.5	1.30	64	7.20
	-18	58.0	78.0	60	75	2.5	1.40	64	6.40
	-19	85.0	115	45	60	2.5	1.90	64	4.80
	-20	127	173	55	75	0.79	2.80	64	4.10
	-21	176	263	50	70	0.79	3.20	64	3.70
	-22	263	395	60	85	0.79	4.00	64	3.00
	-23	377	565	45	65	0.79	6.00	48	2.80
	-24	542	820	45	65	0.79	7.50	48	2.30
	-25	800	1200	45	65	0.79	13.0	32	1.90
	-26	1200	1800	35	65	0.25	15.0	25	0.84
	-27	1760	2630	40	65	0.25	20.0	25	0.83
	-28	2630	3950	35	65	0.25	25.0	25	0.810
	-29	3760	5650	35	60	0.25	44.0	16	0.730
	-30	5450	8200	35	55	0.25	55.0	16	0.630
	-31	8000	12000	35	50	0.25	90.0	10.2	0.490
	-32	12000	18000	18	30	0.079	130	10.2	0.360
	-33	17600	26300	15	30	0.079	160	10.2	0.340
	-34	26300	39500	15	25	0.079	240	7.8	0.320
	-35	37600	56500	15	25	0.079	420	5.8	0.230
	-36	54500	82000	15	25	0.079	500	4.8	0.170
	-37	80000	120000	15	25	0.079	940	4	0.180

Temperature Range: **-55^{0}C to +105^{0}C**

For RoHS Compliant add suffix -LF to the part number
Windings are varnish impregnated and ferrite components are moisture proofed
Recommended tuning tool 435-2033-01-00-00

Dimensions in inches (mm)





Core Material

-01 to -13	Carbonyl SF	(Blue)
-14 to -25	Carbonyl TH	(Purple)
-26 to -37	Carbonyl E	(Red)
-38 to -49	Carbonyl C	(Yellow)

How to order code

558 - 7107 - XX - 00 - 00

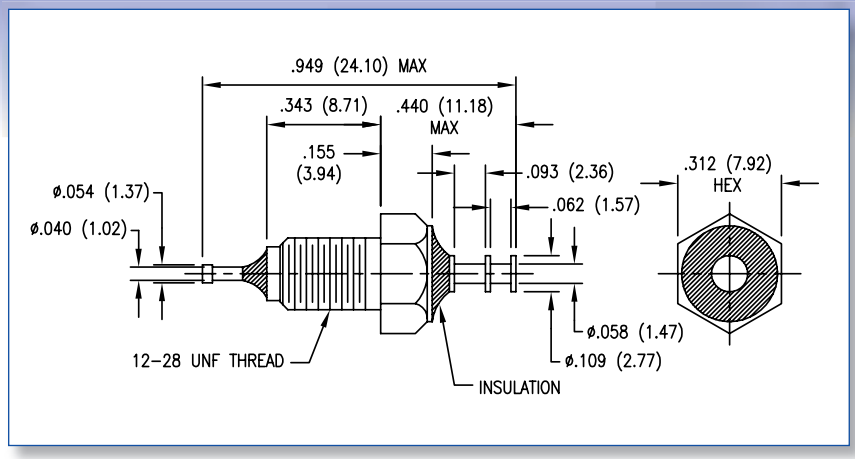
Basic Part No. — Inductance Code

Basic Part No.		Inductance (µH) Min.	Inductance (µH) Max.	"Q" at L Min.	"Q" at L Max.	Test Frequency (MHz)	DCR Max. (Ω)	DC Max. (mA)	SRF Min. (MHz)
558-7107	-01	0.090	0.110	65	65	25.0	0.031	2200	250
	-02	0.108	0.136	65	65	25.0	0.034	2100	250
	-03	0.135	0.165	70	70	25.0	0.037	2000	250
	-04	0.162	0.198	70	70	25.0	0.049	1750	250
	-05	0.198	0.245	70	70	25.0	0.055	1600	250
	-06	0.245	0.297	70	70	25.0	0.061	1500	250
	-07	0.297	0.363	70	70	25.0	0.067	1450	230
	-08	0.351	0.429	70	70	25.0	0.073	1400	220
	-09	0.423	0.517	70	70	25.0	0.080	1350	210
	-10	0.504	0.616	70	70	25.0	0.093	1300	200
	-11	0.612	0.748	70	70	25.0	0.093	1250	173
	-12	0.738	0.902	70	65	25.0	0.100	1200	150
	-13	0.900	1.10	70	65	25.0	0.110	1100	130
	-14	1.08	1.36	55	50	7.9	0.130	1000	120
	-15	1.35	1.65	50	45	7.9	0.140	1000	110
	-16	1.62	1.98	50	40	7.9	0.200	900	100
	-17	1.98	2.45	50	40	7.9	0.260	800	88
	-18	2.43	2.97	50	40	7.9	0.380	700	83
	-19	2.97	3.63	50	45	7.9	0.510	600	78
	-20	3.51	4.29	50	45	7.9	0.700	500	71
	-21	4.23	5.17	50	50	7.9	0.880	400	64
	-22	5.04	6.16	50	50	7.9	1.30	360	58
	-23	6.12	7.48	55	55	7.9	1.70	280	52
	-24	7.38	9.02	55	55	7.9	1.90	270	46
	-25	9.00	11.0	55	55	7.9	2.00	260	40
	-26	10.8	13.6	55	60	2.5	2.10	255	11
	-27	13.5	16.5	60	70	2.5	2.20	250	10
	-28	16.2	19.8	60	70	2.5	2.30	240	9.5
	-29	19.8	24.5	65	70	2.5	2.50	230	9.0
	-30	24.3	29.7	65	70	2.5	2.70	220	8.5
	-31	29.7	36.3	65	70	2.5	3.00	210	8.0
	-32	35.1	42.9	60	65	2.5	3.50	200	7.5
	-33	42.3	51.7	55	60	2.5	3.60	190	6.4
	-34	50.4	61.6	50	55	2.5	4.00	180	5.7
	-35	61.2	74.8	50	55	2.5	4.30	170	4.9
	-36	73.8	90.2	45	50	2.5	6.40	160	4.6
	-37	90.0	110	45	45	2.5	8.50	150	4.3
	-38	108	136	45	50	0.79	9.30	145	3.8
	-39	135	165	50	60	0.79	10.0	140	3.5
	-40	162	198	50	60	0.79	11.0	130	3.3
	-41	198	245	50	60	0.79	12.0	120	3.1
	-42	243	297	50	55	0.79	22.0	90	2.9
	-43	297	363	45	50	0.79	23.0	85	2.7
	-44	351	429	45	50	0.79	26.0	80	2.3
	-45	423	517	40	45	0.79	28.0	75	1.9
	-46	504	616	35	45	0.79	33.0	65	1.7
	-47	612	748	35	40	0.79	39.0	60	1.5
	-48	738	902	30	35	0.79	49.0	55	1.3
	-49	900	1100	30	35	0.79	60.0	55	1.2

Temperature Range: **-55°C to +105°C**

For RoHS Compliant add suffix -LF to the part number
Windings are varnish impregnated and powdered iron cores are moisture proofed
Recommended tuning tool 435-1522-01-00-00

Dimensions in inches (mm)



How to order code

560 - 8265 - XX - XX - 00

- 560 - 8265: Basic Part No.
- XX: Capacitance Code
- XX: Capacitance Tolerance

Capacitance Tolerance Coded Dash Numbers			
-01	±10%	K	To Order
-02	±20%	M	Standard

Material Code Table		
Component	Material	Finish
Mounting Stud	Brass	0.5µM over 1.25µM nickel plate
Terminal	Brass	0.5µM over 1.25µM nickel plate
Dielectric	Ceramic	
Insulation	Epoxy	
Lock washer	Phosphor Bronze	0.5µM over 7.5µM nickel plate
Mounting Hex Nut	Brass	0.5µM over 7.5µM nickel plate

Basic Part No.		Capacitance (pF)	Test Frequency (KHz)
560-8265	-27	150.00	1.00
	-31	330.00	1.00
	-33	470.00	1.00
	-35	680.00	1.00
	-37	1000.00	1.00
	-39	1500.00	1.00
	-41	2200.00	1.00

Dielectric Strength: A potential of 250% of rated voltage may be applied for 5 seconds at 25˚C

Terminal strength: a force of 20 lbs. (9.1Kg) exerted in the direction of terminal exceeds the requirements of MIL-C-11015C

Insulation Resistance: >1GΩ @500V DC measured at 25˚C

Working Voltage: 500V DC

Supplied with lock washer and hex nut unassembled

Suggested Mounting Torque: 4inch/lbs. (0.448Nm)

Devices are RoHS compliant

Temperature Coefficient: Maximum capacitance change from 25ºC. Value over the temperature range: -40ºC to +85ºC is +22% -56%

MATERIAL SPECIFICATIONS

Material Specifications

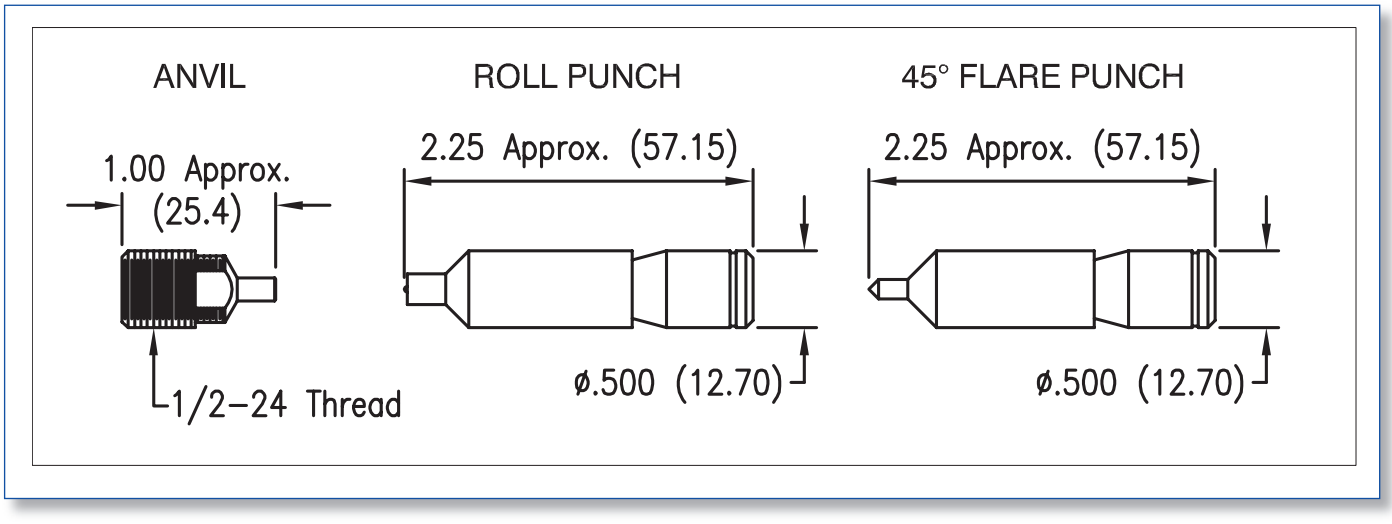
Material	British/European Standard	US Equivalent Standard
Brass	EN 12164 CuZn36Pb3, Half Hard	ASTM-B16 C36000
Brass	EN 12164 CuZn39Pb3, Hard	ASTM-B16 C38500
Brass Tubing	EN 12449 CuZn38Pb2, Half Hard	ASTM-B135 C33200
Red Leaded Brass	n/a	ASTM-B140 C31400
Tellurium Copper	EN 12164 CuTeP	ASTM-B301 C14500
Beryllium Copper	EN 12164 CuBe2	ASTM-B194 C17200
Phosphor Bronze	EN 12164 CuSn4Zn4Pb4	ASTM-B139 C54400
PTFE	BS EN ISO 13000	ASTM-D1710
Nylon	BS 7029	ASTM-D4066
Polyolefin Tubing	EN 60684	SAE-AMS-DTL-23053
Ceramic	n/a	MIL-I-10 L-523-C
Diallyl Phthalate	n/a	MIL-M-14F Grade SDG-F
Plating		
Silver	EN 4521	QQ-S-365
Electro-Tin	BS 1872	ASTM-B545
Electro-Solder	BS 6137	SAE-AMS-P-81728
Gold	EN 27874	MIL-DTL-45204
Nickel	EN ISO 1456	SAE-AMS-QQ-N-290
Cadmium	EN 12329	SAE-AMS-QQ-P-416

SWAGING TOOL SELECTION

Where appropriate, the part numbers of recommended swaging tools are specified, and in many cases we offer a choice of Roll Punch or Flare Punch. Generally we recommend a flared swage where the component will be soldered to an etched pad on the swaged side of the board. Roll swaging is commonly used where the component is to be installed on a plain board.

The flared swage is mechanically weak prior to soldering; but after soldering, the solder filllet provides a reliable electrical and mechanical connection. The flare swage is not intended to make the swaged component more than finger tight prior to soldering.

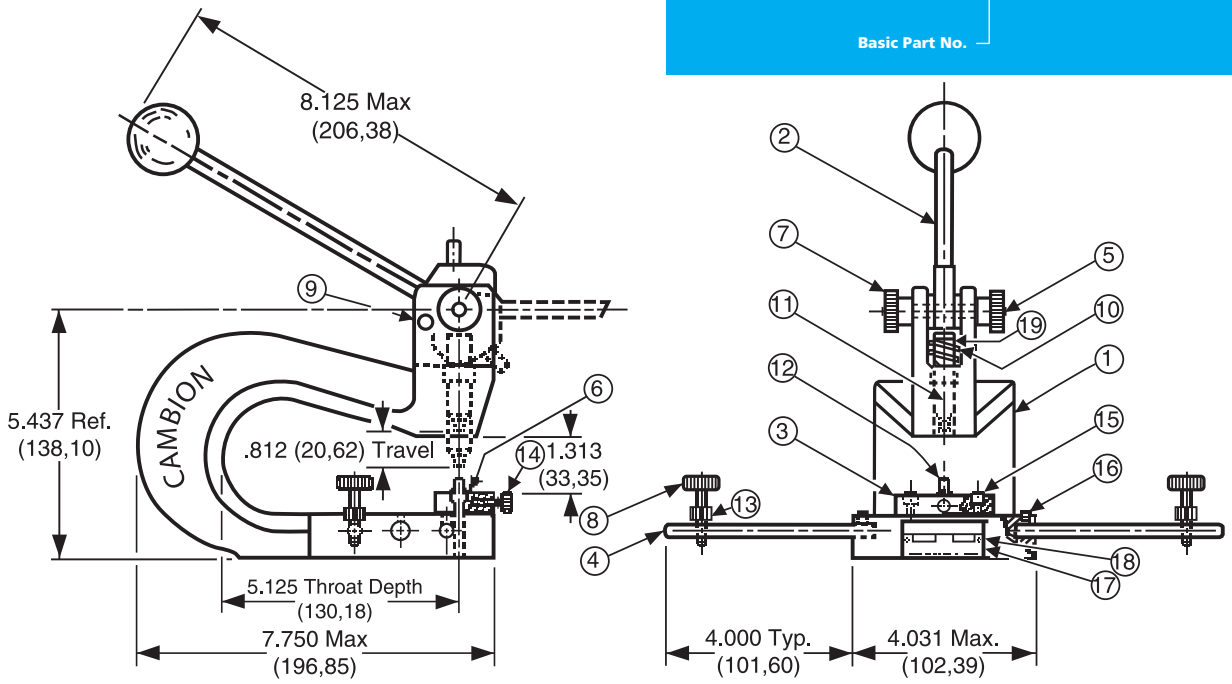
By comparison, the rolled swage is much stronger; however, a void may be formed underneath the swaged collar where flux could be entrapped or air may be present which could cause blowholes if soldered.



How to order code

435 - 3803 - 01 - 00 - 00

Basic Part No.



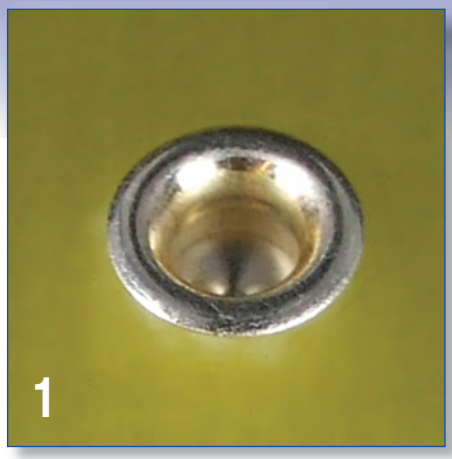
Bench Press Spares

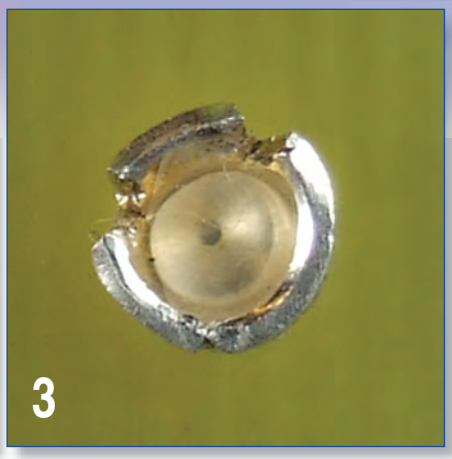
Fig.	Description	Part Number
1	Base, Cast Iron	430-3806-01-00-10
2	Handle Assembly	430-3807-01-00-00
3	Anvil Plate	430-3812-01-07-00
4	Board Support Rod	430-3813-01-07-00
5	Cam Shaft	430-3814-01-00-00
6	Brass Locking Pad	430-3815-03-00-00
7	Domed Hex Nut (was thumb nut) (5/16 - 18)	931-3684-01-29-00
8	Thumb Screw (10 - 24)	330-3817-01-12-00
9	Spring Pin	315-3811-01-00-00
10	Compression Spring	345-3818-01-00-00
11	Punch	See product pages for part number
12	Anvil	See product pages for part number
13	Thumb Nut (10 - 24)	310-3829-01-12-00
14	Set Screw	330-1914-01-12-00
15	Machined Socket Head Screw (8 - 32)	330-0176-07-12-00
16	Set Screw (8 - 32)	330-1914-01-12-00
17	Name Plate	610-5579-01-00-00
18	Drive Screw (No. 4)	330-3820-01-00-00
19	Retaining Ring	345-3821-01-00-00
20	Tool Kit	390-0081-01-00-00

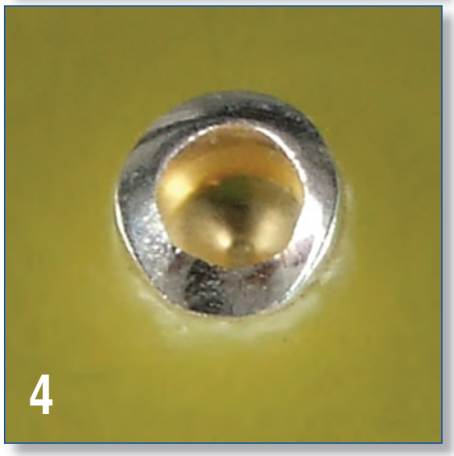
Tool installation instructions - Stage Instruction

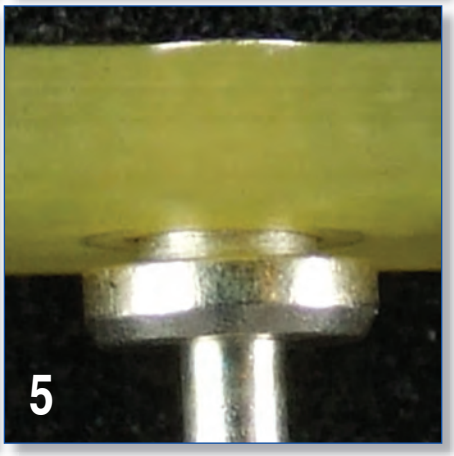
1. Loosen screws (15) in anvil plate (3)
2. Install anvil (12) in anvil plate (3)
3. Remove domed hex nuts (were thumb nuts) (7), cam shaft (5) and handle assembly (2)
4. Install retaining ring (19) on punch (11)
5. Install punch, inserting through compression spring (10)
6. Reassemble handle assembly (2), cam shaft (5) and domed hex nut (were thumb nuts) (7)
7. Bring handle forward so that punch (11) touches anvil (12)
8. Line up punch and anvil by moving anvil plate (3)
9. Lock anvil plate in place by tightening screws (15)
10. Adjust anvil height by screwing into anvil plate, so that the clearance between punch and anvil, with handle all the way forward, is slightly less than the thickness of the board to be swaged
11. Lock anvil in place by tightening set screw (14)
12. Properly locate board support rods (4), (if needed) to fit board to be swaged
13. Adjust thumb screws (8) so that the board will be level, and lock in place with thumb nuts (13)

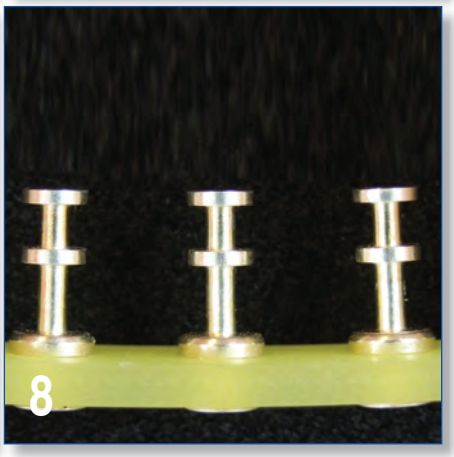
SWAGING EXAMPLES

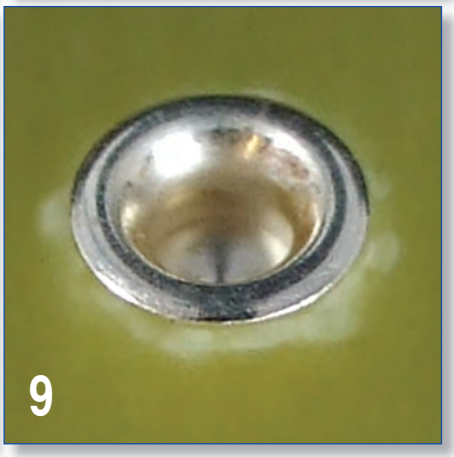








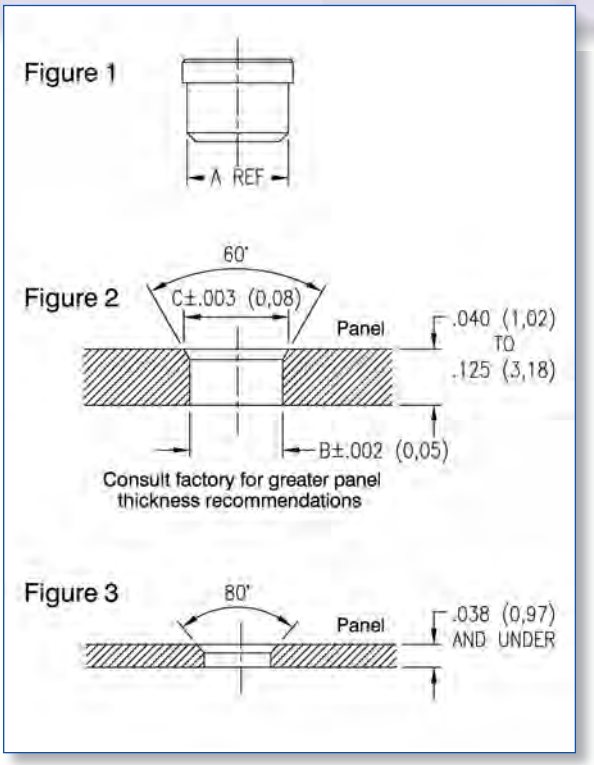




ITEM	DESCRIPTION	DIAGNOSIS OR CAUSE
1	Good Roll Swage	----------
2	Good Flare Swage	----------
3	Flare Swage	Split, due to excessive pressure and wrong tooling
4	Roll Swage	Damaged swage end due to misalignment of anvil and terminal with punch
5	Flare Swage	Insufficient swage due to improper anvil height adjustment
6	Flare Swage	Terminal swollen due to slightly excessive swaging pressure and anvil height adjustment
7	Bent Terminal	Bent terminal due to lifting board from anvil at an angle
8	Bowed Terminal Board	Board bowed during swaging due to undersized mounting holes in board
9	Damaged Board	Board damaged during swaging due to undersize terminal mounting holes and/or improper swaging tools

Mounting Instructions, Drill and Countersink Data

FIGURE 1	FIGURES 2 & 3	
A Shank Dia.	B Drill Hole Dia.	C C'Sink Dia.
.094 (2,39)	.083 (2,11)	.113 (2,87)
.126 (3,20)	.113 (2,87)	.138 (3,51)
.149 (3,78)	.136 (3,45)	.163 (4,14)
.165 (4,19)	.152 (3,86)	.178 (4,52)
.172 (4,37)	.158 (4,01)	.178 (4,52)
.185 (4,70)	.172 (4,37)	.198 (5,03)
.216 (5,49)	.203 (5,16)	.238 (6,05)



MOUNTING PROCEDURE (unless otherwise noted)

Step 1. Drill through-hole and countersink panel according to panel thickness, Figure 2 & 3, see table above.

Step 2. Using an arbor type tool in a suitable press.

Step 3. Press part into centre of panel mounting hole until shoulder of Teflon insulator is fully seated against panel, Figure 4. Raise tool and the job is complete.

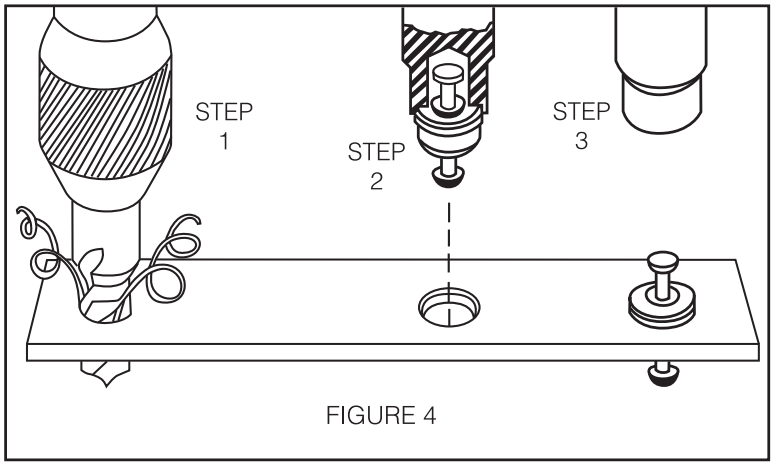


FIGURE 4

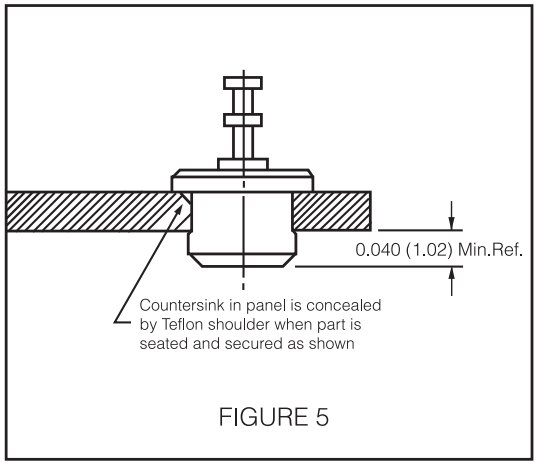


FIGURE 5

Insulated terminal tooling 435-3939-XX consult factory

Part No.	Anvil	Roll Punch	Flare Punch	Four Point Punch	Insertion Tool	Spinning Tool	Crimping Pliers
120-1011-XX-XX-00	435-6404-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
120-1012-XX-XX-00	435-6404-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
120-1013-XX-XX-00	435-6447-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
120-1014-XX-XX-00	435-6447-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
120-1030-XX-XX-00	435-6461-01-00-00	435-6618-01-00-00					
120-1031-XX-XX-00	435-6420-01-00-00	435-6626-01-00-00					
120-1032-XX-XX-00	435-6462-01-00-00	435-6619-01-00-00					
120-1132-XX-XX-00	435-6479-01-00-00	435-6673-01-00-00	435-6692-01-00-00				
120-1133-XX-XX-00	435-6479-01-00-00	435-6673-01-00-00	435-6692-01-00-00				
120-1134-XX-XX-00	435-6479-01-00-00	435-6673-01-00-00	435-6692-01-00-00				
120-1366-XX-XX-00	435-6499-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
120-1372-XX-XX-00	435-6458-01-00-00	435-6611-01-00-00	435-6657-01-00-00				
120-2081-XX-XX-00	435-6422-01-00-00	435-6622-01-00-00					
120-5212-02-XX-00	435-6807-01-00-00	435-6695-01-00-00					
140-1010-XX-XX-00	435-6445-01-00-00	435-6601-01-00-00	435-6663-01-00-00				
140-1018-XX-XX-00	435-6493-01-00-00	435-6629-01-00-00	435-6657-01-00-00				
140-1019-XX-XX-00	435-6449-01-00-00	435-6629-01-00-00	435-6657-01-00-00				
140-1025-XX-XX-00	435-6454-01-00-00	435-6601-01-00-00	435-6663-01-00-00				
140-1027-XX-XX-00	435-6445-01-00-00	435-6604-02-00-00	435-6663-01-00-00				
140-1028-XX-XX-00	435-6487-01-00-00	435-6617-01-00-00	435-6657-01-00-00				
140-1385-11/01-XX-00	435-6412-01-00-00	435-6611-01-00-00	435-6657-01-00-00				
140-1385-02/03/04-XX-00	435-6412-01-00-00	435-6611-01-00-00	435-6692-01-00-00				
140-1578-XX-XX-00	435-6409-01-00-00	435-6609-01-00-00	435-6664-01-00-00				
140-1782-XX-XX-00	435-6408-01-00-00	435-6608-01-00-00	435-6664-01-00-00				
140-1783-XX-XX-00	435-6424-01-00-00	435-6613-01-00-00	435-6664-01-00-00				
140-1784-XX-XX-00	435-6418-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
140-1785-XX-XX-00	435-6412-01-00-00	435-6611-01-00-00	435-6692-01-00-00				
140-1937-XX-XX-00	435-6418-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
140-1941-XX-XX-00	435-6412-01-00-00	435-6617-01-00-00	435-6657-01-00-00				
140-1969-XX-XX-00	435-6402-01-00-00	435-6601-01-00-00	435-6663-01-00-00				
140-2089-XX-XX-00	435-6423-01-00-00	435-6629-01-00-00	435-6657-01-00-00				
140-2187-XX-XX-00	435-6436-01-00-00	435-6636-01-00-00					
160-1026-XX-XX-00	435-6404-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
160-1035-XX-XX-00	435-6432-01-00-00	435-6656-01-00-00					
160-1040-XX-XX-00	435-6447-01-00-00	435-6652-01-00-00					
160-1041-XX-XX-00	435-6447-01-00-00	435-6658-01-00-00					
160-1042-XX-XX-00	435-6447-01-00-00	435-6658-01-00-00					
160-1043-XX-XX-00	435-6447-01-00-00	435-6658-01-00-00					
160-1058-XX-XX-00	435-6404-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
160-1081-XX-XX-00	435-6438-01-00-00	435-6606-01-00-00					
160-1245-XX-XX-00	435-6401-01-00-00	435-6601-01-00-00	435-6663-01-00-00				
160-1457-XX-XX-00	435-6446-01-00-00	435-6603-01-00-00	435-6663-01-00-00				
160-1463-XX-XX-00	435-6405-01-00-00	435-6684-01-00-00					
160-1464-XX-XX-00	435-6405-01-00-00	435-6684-01-00-00					
160-1512-XX-XX-00	435-6404-01-00-00	435-6611-01-00-00	435-6692-01-00-00				
160-1513-XX-XX-00	435-6401-01-00-00	435-6601-01-00-00	435-6663-01-00-00				
160-1520-XX-XX-00	435-6401-01-00-00	435-6623-01-00-00					
160-1548-XX-XX-00	435-6401-01-00-00	435-6601-01-00-00	435-6663-01-00-00				
160-1558-XX-XX-00	435-6404-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
160-1579-XX-XX-00	435-6406-01-00-00	435-6606-01-00-00					
160-1597-XX-XX-00	435-6404-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
160-1604-11/01-XX-00	435-6411-01-00-00	435-6611-01-00-00	435-6657-01-00-00				
160-1604-02/03-XX-00	435-6411-01-00-00	435-6611-01-00-00	435-6692-01-00-00				
160-1620-XX-XX-00	435-6431-01-00-00	435-6669-01-00-00					
160-1724-XX-XX-00	435-6451-01-00-00	435-6601-01-00-00	435-6663-01-00-00				
160-1797-XX-XX-00	435-6451-01-00-00	435-6601-01-00-00	435-6663-01-00-00				
160-1798-XX-XX-00	435-6407-01-00-00	435-6607-01-00-00	435-6664-01-00-00				
160-2000-XX-XX-00	435-6430-01-00-00	435-6654-01-00-00					

Part No.	Anvil	Roll Punch	Flare Punch	Four Point Punch	Insertion Tool	Spinning Tool	Crimping Pliers
160-2004-XX-XX-00	435-6430-01-00-00	435-6654-01-00-00					
160-2027-XX-XX-00	435-6419-01-00-00	435-6617-01-00-00	435-6657-01-00-00				
160-2034-XX-XX-00	435-6447-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
160-2040-XX-XX-00	435-6420-01-00-00	435-6618-01-00-00					
160-2041-XX-XX-00	435-6420-01-00-00	435-6617-01-00-00					
160-2042-XX-XX-00	435-6420-01-00-00	435-6618-01-00-00					
160-2043-XX-XX-00	435-6420-01-00-00	435-6617-01-00-00					
160-2044-XX-XX-00	435-6420-01-00-00	435-6618-01-00-00					
160-2080-XX-XX-00	435-6404-01-00-00	435-6604-01-00-00	435-6663-01-00-00				
160-2084-XX-XX-00	435-6401-01-00-00	435-6601-01-00-00	435-6663-01-00-00				
160-2085-XX-XX-00	435-6429-01-00-00	435-6629-01-00-00	435-6657-01-00-00				
160-2100-11/01-XX-00	435-6411-01-00-00	435-6611-01-00-00	435-6657-01-00-00				
160-2100-02/03-XX-00	435-6411-01-00-00	435-6611-01-00-00	435-6692-01-00-00				
160-2110-XX-XX-00	435-6431-01-00-00	435-6631-02-00-00		435-6631-01-00-00			
160-2141-XX-XX-00	435-6432-01-00-00	435-6620-01-00-00					
160-3653-XX-XX-00	435-6411-01-00-00	435-6611-01-00-00	435-6657-01-00-00				
160-3747-XX-XX-00					435-2985-01-00-00		
180-1460-XX-XX-00	435-6443-02-00-00	435-6642-02-00-00					
180-1461-XX-XX-00	435-6443-03-00-00	435-6642-03-00-00					
180-1462-XX-XX-00	435-6443-04-00-00	435-6642-04-00-00					
180-2750-XX-XX-00	435-6430-01-00-00		435-6657-01-00-00				
180-2751-XX-XX-00	435-6430-01-00-00		435-6692-01-00-00				
180-2752-XX-XX-00	435-6463-01-00-00		435-6692-01-00-00				
180-2753-XX-XX-00	435-6430-01-00-00		435-6657-01-00-00				
180-2754-XX-XX-00	435-6430-01-00-00		435-6657-01-00-00				
180-2755-XX-XX-00	435-6465-01-00-00		435-6692-01-00-00				
180-2926-XX-XX-00	435-6463-01-00-00		435-6692-01-00-00				
180-7336-XX-XX-00	435-6411-01-00-00		435-6657-01-00-00				
180-7337-XX-XX-00	435-6657-01-00-00		435-6692-01-00-00				
180-7338-XX-XX-00	435-6692-01-00-00		435-6657-01-00-00				
180-8124-XX-XX-00	435-6430-01-00-00		435-6657-01-00-00				
450-0016-XX-XX-00							435-5680-01-00-00
450-1801-XX-XX-00					435-6650-01-00-00		
450-1804-XX-XX-00	435-6800-01-00-00				435-6651-04-00-00		
450-1806-XX-XX-00	435-6808-01-00-00				435-6651-05-00-00		
450-1807-01-XX-00							435-5699-01-00-00
450-3263-XX-XX-00	435-6495-01-00-00	435-6619-01-00-00					
450-3266-XX-XX-00	435-6411-01-00-00	435-6618-01-00-00					
450-3310-XX-XX-00	435-6404-01-00-00	435-6683-01-00-00					
450-3320-XX-XX-00	435-6404-01-00-00	435-6658-02-00-00					
450-3324-XX-XX-00	435-6427-01-00-00	435-6656-01-00-00					
450-3367-XX-XX-00							435-5680-01-00-00
450-3375-XX-XX-00	435-6446-01-00-00	435-6654-01-00-00					
450-3378-XX-XX-00							435-5680-01-00-00
450-3394-XX-XX-00	435-6495-01-00-00	435-6642-01-00-00	435-6657-01-00-00				
450-3413-XX-XX-00							435-5680-01-00-00
450-3723-XX-XX-00	435-6532-01-00-00				435-6651-01-00-00		
450-3729-XX-XX-00	435-6532-01-00-00				435-6651-01-00-00		
450-3754-XX-XX-00	435-6521-01-00-00	435-6658-02-00-00					
450-3756-XX-XX-00	435-6404-01-00-00	435-6642-01-00-00	435-6657-01-00-00				
450-3954-XX-XX-00	435-6533-01-00-00				435-6651-01-00-00		
450-3983-XX-XX-00	435-6534-01-00-00				435-6651-02-00-00		
450-3998-XX-XX-00	435-6532-01-00-00				435-6651-03-00-00		
450-5348-XX-XX-00	435-6532-01-00-00				435-6651-01-00-00		
450-7005-XX-XX-00	435-6404-01-00-00	435-6658-02-00-00					
460-1521-XX-XX-00	435-6497-01-00-00	435-6629-01-00-00	435-6690-01-00-00				
460-1523-XX-XX-00	435-6528-01-00-00		435-6663-01-00-00				
460-1524-XX-XX-00	435-6523-02-00-00		435-6663-01-00-00				

Part No.	Anvil	Roll Punch	Flare Punch	Four Point Punch	Insertion Tool	Spinning Tool	Crimping Pliers
460-2599-XX-XX-00	435-6496-01-00-00		435-6657-01-00-00				
460-2605-XX-XX-00	435-6523-01-00-00	435-6620-01-00-00					
460-2620-XX-XX-00	435-6474-01-00-00		435-6691-01-00-00				
460-2621-XX-XX-00	435-6522-01-00-00		435-6691-01-00-00				
460-2625-XX-XX-00	435-6524-01-00-00		435-6691-01-00-00				
460-2626-XX-XX-00	435-6527-01-00-00		435-6691-01-00-00				
460-2627-XX-XX-00	435-6525-01-00-00		435-6690-01-00-00				
460-2628-XX-XX-00	435-6525-01-00-00		435-6690-01-00-00				
460-2629-XX-XX-00	435-6523-01-00-00		435-6663-01-00-00				
460-2946-XX-XX-00	435-6520-01-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-2947-XX-XX-00	435-6520-02-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-2948-XX-XX-00	435-6520-03-00-00	435-6642-01-00-00	435-6690-01-00-00	Due to pin length these tools cannot be used in the manual swager - 435-3803			
460-2956-XX-XX-00	435-6520-01-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-2957-XX-XX-00	435-6520-02-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-2958-XX-XX-00	435-6520-03-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-2970-XX-XX-00	435-6468-01-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-2971-XX-XX-00	435-6468-01-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-2976-XX-XX-00	435-6468-01-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-2983-XX-XX-00	435-6514-01-00-00		435-6690-01-00-00				
460-2984-XX-XX-00	435-6514-01-00-00		435-6690-01-00-00				
460-3202-XX-XX-00	435-6496-01-00-00	435-6619-01-00-00					
460-3205-XX-XX-00	435-6430-01-00-00	435-6654-01-00-00					
460-3220-XX-XX-00	435-6420-01-00-00		435-6657-01-00-00				
460-3221-XX-XX-00	435-6430-01-00-00		435-6657-01-00-00				
460-3231-XX-XX-00	435-6474-01-00-00		435-6690-01-00-00				
460-3232-XX-XX-00	435-6468-01-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-3233-XX-XX-00	435-6468-01-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-3241-XX-XX-00	435-6468-01-00-00	435-6642-01-00-00	435-6690-01-00-00				
460-3299-XX-XX-00							435-5680-01-00-00
460-3308-XX-XX-00							435-5680-01-00-00
460-3342-XX-XX-00	435-6411-01-00-00		435-6657-01-00-00				
460-3368-XX-XX-00							435-5680-01-00-00
460-3369-XX-XX-00							435-5680-01-00-00
460-3393-XX-XX-00	435-6474-01-00-00	435-6642-01-00-00	435-6657-01-00-00				
460-3889-XX-XX-00	435-6474-01-00-00	435-6676-01-00-00	435-6691-01-00-00				
460-5243-XX-XX-00	435-6461-01-00-00	435-6618-01-00-00					
460-5247-XX-XX-00	435-6807-01-00-00	435-6695-01-00-00					
460-8450-XX-XX-00	435-8053-01-00-00				435-8054-01-00-00		
460-8451-XX-XX-00	435-8053-01-00-00				435-8054-01-00-00		
460-8452-XX-XX-00	435-8053-01-00-00		435-6690-01-00-00				
570-2383-XX-XX-00	435-6804-01-00-00					435-6852-01-00-00	
570-2431-XX-XX-00	435-6802-01-00-00					435-6851-01-00-00	
572-4812-XX-XX-00	435-6805-01-00-00					435-6853-01-00-00	
572-4813-XX-XX-00	435-6805-01-00-00					435-6851-01-00-00	
572-4825-XX-XX-00	435-6805-01-00-00					435-6851-01-00-00	
572-4842-XX-XX-00	435-6805-01-00-00					435-6853-01-00-00	
572-4843-XX-XX-00	435-6805-01-00-00					435-6851-01-00-00	
572-4848-XX-XX-00	435-6805-01-00-00					435-6853-01-00-00	
572-4860-XX-XX-00	435-6805-01-00-00					435-6853-01-00-00	
572-4861-XX-XX-00	435-6805-01-00-00					435-6851-01-00-00	
572-4877-XX-XX-00	435-6806-01-00-00					435-6854-01-00-00	
572-4883-XX-XX-00	435-6806-01-00-00					435-6854-01-00-00	
572-4886-XX-XX-00	435-6806-01-00-00					435-6854-01-00-00	
572-4892-XX-XX-00	435-6806-01-00-00					435-6854-01-00-00	
572-4901-XX-XX-00	435-6806-01-00-00					435-6854-01-00-00	
572-4904-XX-XX-00	435-6806-01-00-00					435-6854-01-00-00	
572-4907-XX-XX-00	435-6806-01-00-00					435-6854-01-00-00	

QUALITY APPROVALS

bsi.

By Royal Charter

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that: Cambion Electronics Limited
Castleton
Hope Valley
S33 8WR
United Kingdom

Holds Certificate Number: FM 20886

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

The design and manufacture of terminals, connectors, turned parts, moulded parts, wound components, radio frequency chokes and custom built transformers and inductors.

For and on behalf of BSI:

Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 1992-06-30
Latest Revision Date: 2018-09-11

Effective Date: 2018-11-01
Expiry Date: 2021-10-31

Page: 1 of 1

...making excellence a habit.

bsi.

By Royal Charter

Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that: Cambion Electronics Limited
Castleton
Hope Valley
S33 8WR
United Kingdom

Holds Certificate Number: EMS 592511

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

Design and manufacture of terminals, connectors, turned parts, moulded parts, wound parts, and RF transformers and inductors.

For and on behalf of BSI:

Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 2013-06-10
Latest Revision Date: 2017-12-19

Effective Date: 2016-06-10
Expiry Date: 2019-06-09

Page: 1 of 1

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CAGE CODE

Cambion Electronics Limited's cage code is K3105

MEMBER ASSOCIATIONS

THE BRITISH TURNED PARTS AND MACHINED COMPONENT MANUFACTURERS ASSOCIATION

btma

This is
to certify that

Cambion Electronics Ltd

is registered by the

BRITISH TURNED PARTS
MANUFACTURERS
ASSOCIATION

as a
Full Member

signed on behalf of
BTMA

Chris Gladwin
BTMA Director

Phil Smith
BTMA President

ITSA
Connecting Technology at its best

The Interconnect Technology Suppliers Association (ITSA) was originally formed in 2008 as the British Connector Manufacturers Association (BCMA) and was re-launched in 2017 to more accurately reflect its memberís activities and to enhance its profile in the UK.

ITSA is the only UK association representing companies who operate in the interconnection technology arena, it exists to provide a favorable operating environment for the benefit of interconnect technology companies and to provide a dynamic network for exploring and co-operating on mutually beneficial opportunities.

Regular meetings include:-
Networking
Collaboration
Market Reviews
Quarterly Statistical Data
Guest Speakers

REACH

Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Statement
Cambion Electronics Limited has studied the above regulations and at the time of print do not import or manufacture any chemical or articles above 1 (one) tonne from outside the EU. As a result, Cambion Electronics Limited are classified as a DOWNSTREAM USER, which under the current directive only requires adherence to use purchased materials per manufacturers instructions. Currently Cambion Electronics Limited do not supply any chemicals or services direct to any customers or sub-contractors, consequently have not registered any of the product contained in this catalogue.

Cambion Electronics Limited will take all necessary steps to ensure continuation of material supplies (e.g. lubricants, machine coolants, cleaning materials etc.) and services used in processes to manufacture the products contained in this catalogue.

Information correct at time of publication, for the latest update please visit our website or contact the office.

WEEE

Waste Electrical and Electronic Equipment (WEEE) Compliance
Cambion Electronics Limited has reviewed this directive and do not come under the provisions of the Directive.

Cambion Electronics Limited produces electrical/electronic components, and does not manufacture electrical and electronic equipment in the sense of the directive.

Cambion Electronics Limited products are in the category of "items which are not finished products". They are sold to other producers for further processing to form a finished electrical product.

Information correct at time of publication, for the latest update please visit our website or contact the office.

RoHS

Restriction of Hazardous Substances (RoHS) Statement
Cambion Electronics Limited is committed to offering products that comply with the latest EU directives, however it is recognised that not all applications through exemptions require 'Lead Free' products, consequently Cambion Electronics Limited will endeavour to offer both RoHS and non RoHS products applicable to customer requirements. Products are clearly defined in the catalogue pages with their RoHS status, thus giving the customer a greater flexibility with product selection. RoHS compliant certificates are available from our web www.cambion.com
Please contact our Engineering department with any specific issues.

Information correct at time of publication, for the latest update please visit our website or contact the office.

Conflict Minerals Compliance

Conflict Minerals Compliance
The United States Congress passed legislation in July of 2010 requiring corporations to report the use of “Conflict Minerals” in the manufacture of their products. The current law, generally referred to as the "Conflict Minerals Law", was included as Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act, passed by the US Senate on May 20, 2010 and signed by President Obama on July 21, 2010.

“Conflict Minerals” in this context refers to specific minerals originating from mines controlled by armed groups in the Democratic Republic of the Congo or adjoining countries.

To the best of our knowledge Cambion Electronics Limited is in full compliance with this legislation. We have received statements from suppliers who ensure us they are not sourcing raw materials from these restricted countries.

Information correct at time of publication, for the latest update please visit our website or contact the office for more information

INDEX

INDEX

WORLDWIDE DISTRIBUTION NETWORK

Cambion products are available throughout the world from a network of franchised distributors

To find your nearest Cambion distributors visit www.cambion.com

Your Local Representative

CAMBION®

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