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LOC

DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	V	INITIAL RELEASE	03APR2018	JA	DM
	V1	ADD NOTE 15	11APR2018	JA	DM
	V2	Corrected SF44 and SF88 plating Code des.	21SEP2018	DD	DM
	V3	Note 5 (was) 0425-205-0000 (is) 114-151004	04DEC2018	DD	DM

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SOLID CONT. SIZE	SOLID CONTACT PART NO's (PARTIAL LIST)		WIRE SIZE AWG [mm ²]	RECOMMENDED STRIP LENGTH INCHES [mm]	MIN CONT. RETENTION LBS [N]	REF CRIMP TENSILE LBS [N]	MAX RATED AMPS@125°C CONTINUOUS
	PIN	SOCKET					
4	5960-203-04XX	5962-203-04XX	4 [25.0-21.0]	.430-.492 [10.92-12.50]	35 [156]	300 [1334]	100
4	0460-204-04XX	0462-203-04XX	6 [16.0-13.0]	.430-.492 [10.92-12.50]	35 [156]	300 [1334]	100
8	0460-204-08XX	0462-203-08XX	8-10 [10.0-5.0]	.430-.492 [10.92-12.50]	35 [156]	125-90 [556-400]	60
12	0460-204-12XX	0462-203-12XX	12-14 [3.0-2.0]	.222-.284 [5.64-7.21]	30 [134]	75-70 [334-311]	25
16	0460-002-16XX	0462-004-16XX	16-20 [1.5-0.5]	.250-.312 [6.35-7.92]	25 [111]	35-20 [156-89]	13
16	0460-215-16XX	0462-209-16XX	14 [2.0]	.250-.312 [6.35-7.92]	25 [111]	70 [311]	13
16	0460-202-16XX	0462-201-16XX	16-20 [1.5-0.5]	.250-.312 [6.35-7.92]	25 [111]	35-20 [156-89]	13
16	2325529-1	2325584-1	16-20 [1.5-0.5]	.250-.312 [6.35-7.92]	25 [111]	35-20 [156-89]	13
20	0460-010-20XX	0462-005-20XX	16-18 [1.0-0.75]	.156-.218 [3.96-5.54]	20 [89]	20 [89]	7.5
20	0460-202-20XX	0462-201-20XX	20 [0.5]	.156-.218 [3.96-5.54]	20 [89]	20 [89]	7.5
20	2325531-1	2325530-1	20 [0.5]	.156-.218 [3.96-5.54]	20 [89]	20 [89]	7.5

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0460-204-12XX COMES IN NICKEL PLATE ONLY. USE 0460-220-12XX FOR GOLD PLATE.

DEUTSCH PERFORMANCE SPECIFICATIONS REQUIRE THE USE OF DEUTSCH APPROVED TOOLING.

SEE SHEET 2 FOR STAMPED AND FORMED CONTACTS.

CONTACT FACTORY FOR AVAILABLE PLATING FOR SPECIFIC CONTACTS.

NOTED MAXIMUM RATED CURRENT DEPENDS ON CONTACT SIZE. ACTUAL RATED CURRENT DEPENDS ON WIRE SIZE.

WIRE AND INSULATION RANGES ARE FOR REFERENCE ONLY. ACTUAL INSULATION RANGE DEPENDS ON CONNECTOR GROMMET. THE FOLLOWING CRIMP INFORMATION DRAWINGS ARE THE CONTROLLING DOCUMENTS:
"SOLID" CONTACTS: SIZE 114-151004 4-20
"STAMPED" CONTACTS: SIZE 114-151006 12
114-151002 12
114-151000 OR 114-151001 16
114-151003 20

PULL RATE OF 1.0 INCH [25.4] PER MINUTE MAXIMUM. ACTUAL STRENGTH DEPENDS ON WIRE SIZE.

THIS CONTACT IS A SLEEVELESS SOCKET DESIGN.

FORCES ARE IN "LBS" (POUNDS) AND "[N]" (NEWTONS).

CONSULT FACTORY FOR MORE INFORMATION. SEE CRIMP INFORMATION DRAWINGS FOR MORE PART NUMBERS.

UNLESS OTHERWISE SPECIFIED

N/A: Not Applicable

CONTACT RESISTANCE STRENGTH

WIRE AWG	TEST CURRENT	MILLIVOLT DROP SOLID	MILLIVOLT DROP S & F
4	100	60	N/A
8	60	60	N/A
10	40	60	N/A
10	25	N/A	100
12	25	60	100
14	18	60	100
16	13	60	100
18	10	60	100
20	7.5	60	100

LESS REFERENCE(DROP-THRU) WIRE

MATERIAL SPECIFICATION AND PLATING XX CODES

PIN: COPPER ALLOY
SOCKET: COPPER ALLOY with STAINLESS STEEL SLEEVE

SOLID PLATING OPTIONS:
31=GOLD
90 OR 141=NICKEL SIZE 4 [6 AWG] PIN ONLY
141=NICKEL
309=TIN

S & F PLATING OPTIONS:
22=NICKEL
44=SELECTIVE GOLD
66=TIN/NICKEL
77=TIN
88=PALLADIUM NICKEL GOLD

GOLD PLATING IS RECOMMENDED FOR DRY CIRCUIT APPLICATION = (<5V & <50mA)

MATERIALS AND PLATINGS ARE RoHS COMPLIANT

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES [mm]

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ±
4 PLC ±
ANGLES ±
FINISH

DWN B.BYFORD 26MAY2000
CHK D.MEYER 25JUN2012
APVD R.REED 02JUL2012

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE Connectivity

PERFORMANCE AND APPLICATION CHAR OF SOLID OR STAMPED AND FORMED CONT AND APPLICABLE WIRE RANGES

SIZE A3 CAGE CODE 4AFU8 DRAWING NO 0425-015-0000 RESTRICTED TO -

SCALE NONE SHEET 1 OF 2 REV V3

1470-19 (3/11)

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DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

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S & F CONT. SIZE	STAMPED CONTACT PART NO's (PARTIAL LIST)	WIRE SIZE AWG [mm ²]	WIRE INSULATION O.D. RANGE	RECOMMENDED STRIP LENGTH INCHES [mm]	MIN CONT. RETENTION LBS [N]	REF CRIMP TENSILE LBS [N]	MAX RATED AMPS@125°C CONTINUOUS	
	PIN	SOCKET						
12	1060-12-01XX	1062-12-01XX	12-14 [4.0-2.0]	.113-.176 [2.87-4.47]	.250-.300 [6.35-7.62]	30 [134]	70 [311]	25
12	1060-12-02XX	1062-12-02XX	10 [6.0-4.0]	.140-.204 [3.56-5.18]	.250-.300 [6.35-7.62]	30 [134]	70 [311]	25
16	1060-14-01XX	1062-14-01XX	14-18 [2.0-0.75]	.095-.150 [2.41-3.81]	.150-.200 [3.81-5.08]	25 [111]	25 [111]	13
16	1060-14-10XX	1062-14-10XX	14-18 [2.0-0.75]	.095-.150 [2.41-3.81]	.150-.200 [3.81-5.08]	25 [111]	25 [111]	13
16	1060-16-01XX	1062-16-01XX	14-18 [2.0-0.75]	.075-.140 [1.90-3.55]	.150-.200 [3.81-5.08]	25 [111]	25 [111]	13
16	1060-16-06XX	1062-16-06XX	16-20 [1.0-0.5]	.055-.100 [1.40-2.54]	.150-.200 [3.81-5.08]	25 [111]	25-15 [111-67]	13
16	1060-16-07XX	1062-16-07XX	14-18 [2.0-0.75]	.075-.140 [1.90-3.55]	.150-.200 [3.81-5.08]	25 [111]	25 [111]	13
16	1060-16-09XX	1062-16-09XX	14-18 [2.0-0.75]	.075-.140 [1.90-3.55]	.150-.200 [3.81-5.08]	25 [111]	25 [111]	13
16	1060-16-12XX	1062-16-12XX	12-16 [2.5-1.0]	.075-.140 [1.90-3.55]	.175-.225 [4.45-5.72]	25 [111]	25 [111]	13
16	1060-16-13XX	1062-16-13XX	14-18 [2.0-1.0]	.085-.150 [2.16-3.81]	.210-.230 [5.33-5.84]	25 [111]	25 [111]	13
16	N/A	1062-16-14XX	12-16 [2.5-1.0]	.075-.140 [1.90-3.55]	.175-.225 [4.45-5.72]	25 [111]	25 [111]	13
20	1060-20-01XX	1062-20-01XX	16-22 [1.5-0.35]	.075-.125 [1.91-3.18]	.150-.200 [3.81-5.08]	20 [89]	20-10 [89-45]	7.5
20	1060-20-02XX	1062-20-02XX	16-22 [1.5-0.35]	.051-.085 [1.30-2.16]	.150-.200 [3.81-5.08]	20 [89]	20-10 [89-45]	7.5
20	N/A	1062-20-03XX	16-22 [1.5-0.35]	.075-.125 [1.91-3.18]	.150-.200 [3.81-5.08]	20 [89]	20-10 [89-45]	7.5
20	1060-20-06XX	1062-20-06XX	14-16 [2.5-1.0]	.075-.125 [1.91-3.18]	.150-.200 [3.81-5.08]	20 [89]	20 [89]	7.5

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SEE SHEET 1 FOR SOLID CONTACTS.

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DIMENSIONS:
INCHES [mm]

MATERIAL

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ±

1 PLC ±

2 PLC ±

3 PLC ±

4 PLC ±

ANGLES ±

FINISH

DWN
B.BYFORD 26MAY2000

CHK
D.MEYER 25JUN2012

APVD
R. REED 02JUL2012

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE Connectivity

NAME

PERFORMANCE AND APPLICATION CHAR
OF SOLID OR STAMPED AND FORMED
CONT AND APPLICABLE WIRE RANGES

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

4AFU8

C=0425-015-0000

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SCALE

SHEET

OF

REV

NONE

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V3