

4

3

2

1

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2018

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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

1

5

4

4

SOLID CONT. SIZE

SOLID CONTACT PART NO's (PARTIAL LIST)

WIRE SIZE AWG [mm²]

RECOMMENDED STRIP LENGTH INCHES [mm]

MIN CONT. RETENTION LBS [N]

REF CRIMP TENSILE LBS [N]

MAX RATED AMPS@125°C CONTINUOUS

4

5960-203-04XX

5962-203-04XX

4

.430-.492

35

300

100

4

0460-204-04XX

0462-203-04XX

6

.430-.492

35

300

100

8

0460-204-08XX

0462-203-08XX

8-10

.430-.492

35

125-90

60

12

0460-204-12XX

0462-203-12XX

12-14

.222-.284

30

75-70

25

16

0460-002-16XX

0462-004-16XX

16-20

.250-.312

25

35-20

13

16

0460-215-16XX

0462-209-16XX

14

.250-.312

25

70

13

16

0460-202-16XX

0462-201-16XX

16-20

.250-.312

25

35-20

13

16

2325529-1

2325584-1

16-20

.250-.312

25

35-20

13

20

0460-010-20XX

0462-005-20XX

16-18

.156-.218

20

20

7.5

20

0460-202-20XX

0462-201-20XX

20

.156-.218

20

20

7.5

20

2325531-1

2325530-1

20

.156-.218

20

20

7.5

10

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

9

DEUTSCH PERFORMANCE SPECIFICATIONS REQUIRE THE USE OF DEUTSCH APPROVED TOOLING.

8

SEE SHEET 2 FOR STAMPED AND FORMED CONTACTS.

7

CONTACT FACTORY FOR AVAILABLE PLATING FOR SPECIFIC CONTACTS.

6

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

5

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 "STAMPED" CONTACTS: SIZE
114-151004 4-20 114-151006 12
114-151002 12
114-151000 OR 114-151001 16
114-151003 20

4

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

3

THIS CONTACT IS A SLEEVELESS SOCKET DESIGN.

2

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

1

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

UNLESS OTHERWISE SPECIFIED

N/A: Not Applicable

6

9

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

9

MATERIAL SPECIFICATION AND PLATING XX CODES

PIN: COPPER ALLOY

SOCKET: COPPER ALLOY with STAINLESS STEEL SLEEVE

SOLID PLATING OPTIONS: 7

31=GOLD

90 OR 141=NICKEL SIZE 4 [6 AWG] PIN ONLY

141=NICKEL

309=TIN

S & F PLATING OPTIONS: 7

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

14

15. INSERTION TOOL MAY BE NEEDED ON DEUTSCH CONNECTORS THAT HAVE SIZE 16 & 20 CONTACTS WITH ≤ 20AWG WIRE. INSERTION TOOL PN MI5570-16 (SIZE 16) OR MI5570-20 (SIZE 20).

14

PN 2325529-1 (PIN) IS GOLD PLATED AND IDENTIFIED BY BROWN, BROWN, BROWN STRIPES. PN 2325584-1 (SOCKET) IS GOLD PLATED AND IDENTIFIED BY BROWN, BROWN, BLUE STRIPES. PN 2325531-1 (PIN) IS GOLD PLATED AND IDENTIFIED BY BROWN, BROWN, BLACK STRIPES. PN 2325530-1 (SOCKET) IS GOLD PLATED AND IDENTIFIED BY BROWN, BROWN, GREEN STRIPES.

13

THIS CONTACT IS IDENTIFIED BY ONE PURPLE STRIPE.

12

THIS CONTACT IS USED FOR HIGH DURABILITY APPLICATIONS. IDENTIFIED BY ONE BLUE STRIPE.

11

THIS CONTACT IS AN ULTRASONIC DESIGN.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES [mm]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±

1 PLC ±

2 PLC ±

3 PLC ±

4 PLC ±

ANGLES ±

FINISH

MATERIAL

FINISH

DWN B.BYFORD 26MAY2000

CHK D.MEYER 25JUN2012

APVD R.REED 02JUL2012

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

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

0425-015-0000

-

SCALE

SHEET

OF

REV

NONE

1

2

V3

1470-19 (3/11)

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