DWG. NO.
JBXFE2G05MSSDSRC

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IT IS SUBJECT TO CHANGE WITHOUT NOTIFICATION.
CONTACT THE ENGINEERING CONTROL CENTER FOR THE LATEST REVISION.

NOTES:

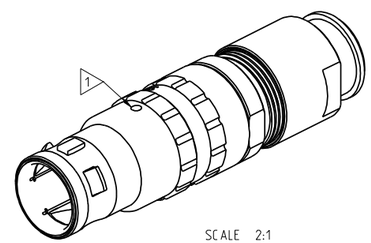
1. RED DOT.

MATERIAL:

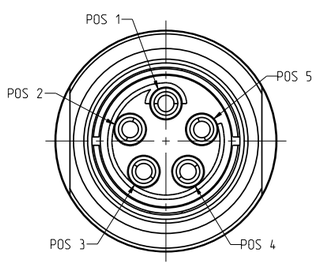
OUTER SHELL & COLLET NUT : LATCHING SLEEVE : HALF BUSHES :	BRASS CuZn40Pb3 (C38500/C36000)
PIN CONTACT (SOLDER) :	BRASS CuZn35Pb2 (C35300/C36000)
CLIP :	BERYLLIUM COPPER CuBe1.9 (C17200/C36000)
INSULATOR :	PEEK WITH 15% GLASS FILLED. COLOR BROWN
COLLET :	PA6/6 WITH MoS2. COLOR BLACK
SEALS :	NITRILE AND SILICON RUBBER

FINISH:

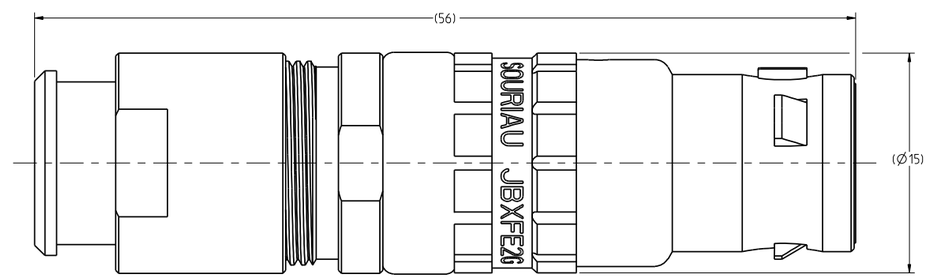
OUTER SHELL & : COLLET NUT	CHROME OVER NICKEL UNDERCOAT
OTHER BRASS PARTS EXCEPT PIN CONTACTS :	NICKEL
PIN CONTACTS :	GOLD AS PER MIL-G-45204C TYPE 1.CLASS 00.

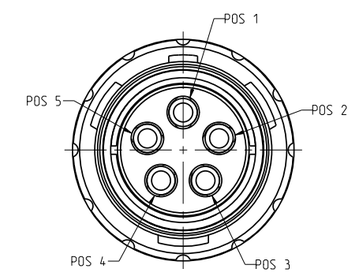


SCALE 2:1



WIRE SIDE VIEW
('COLLET SET' NOT SHOWN)





MATING SIDE VIEW

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REV	DESCRIPTION	BY DATE	CHKD DATE
A	RELEASED PER ECN 11345	SSF 01-18-11	SDH 01-18-11

DRAWING TITLE
JBX, SIZE 2, 5 POSITION, FE SEALED PLUG

CAT NO.
JBXFE2G05MSSDSR

CAGE NO: 09922 | SIZE: C

LINEAR MEASURE: mm (INCH) mm (INCH)
THIRD ANGLE PROJECTION

TOLERANCES UNLESS OTHERWISE SPECIFIED

No. OF PLACES	mm [INCH]
WHOLE No.	±0.5 [±.02]
ONE PLACE	±0.2 [±.008]
TWO PLACES	±0.1 [±.004]
ANGLES	±1°

CUSTOMER

INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.

SOURIAU Connection Technology
www.souriau.com

APPROVAL		
DRAWN:	SNL	01-12-11
CHKD :	TW	01-12-11
DSGN :	XXX	mm-dd-yy
MFG :	DH	01-12-11
QC :	DK	01-12-11

DRAWING SCALE: 4:1

DRAWING NO.	REV
JBXFE2G05MSSDSRC	A

1 OF 2

PRO-E

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DWG. NO.
JBXFE2G05MSSDSRC

ELECTRICAL:

EMI SHIELDING :	SHIELDED FOR THE RANGE 55dB UP TO 100MHz
INSULATION RESISTANCE :	>500MΩ PER ANSI-EIA-364-D METHOD 21
MAX. CURRENT RATING :	(SEE TABLE 1) MAXIMUM CURRENT THAT CAN BE APPLIED SIMULTANEOUSLY ON EACH LINE OF THE CONNECTOR MATED PAIR. CONTINUOUSLY DURING ITS LIFE TIME IN NORMAL CLIMATIC CONDITIONS.
CONNECTOR TESTING : VOLTAGE	1900Vrms TEST VOLTAGE IS APPROXIMATELY 75% OF THE DWV VOLTAGE AT NORMAL CLIMATIC CONDITIONS. THIS VOLTAGE CAN BE ACHIEVED SEVERAL TIMES, BUT NOT APPLIED CONTINUOUSLY.
CONNECTOR WORKING : VOLTAGE	900/630 (Vdc/ Vrms) WORKING VOLTAGE IS APPROXIMATELY 1/3 OF THE TEST VOLTAGE. THIS VOLTAGE IS SUSTAINABLE FOR THE LIFE OF THE CONNECTOR IN ITS WORKING ENVIRONMENT.

PHYSICAL:

MAXIMUM WIRE SIZE USED :	20 AWG
CABLE DIAMETER WITH PLASTIC COLLET SET SUPPLIED :	Ø3.5 mm MIN. TO Ø9.7 mm MAX.

ENVIRONMENTAL:

ENDURANCE:	1000 CYCLES AS PER MIL-STD 1344A, METHOD 2016.1
SHOCK:	100 g , DURATION 6 ms; AS PER MIL-STD 1344A, METHOD 2004.1
VIBRATIONS:	10 TO 2000Hz γ = 20g, AS PER MIL-STD 1344A, METHOD 2005.1
PROTECTION INDEX:	IP 67 AS PER CEI 529
OPERATING TEMPERATURE:	-40°C TO +80°C (-40°F TO +176°F)

PIN CONTACT

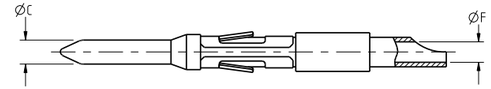

TABLE 1

CONTACT		USABLE CABLES			MAX. CURRENT RATING (A)	CONTACT RESISTANCE (mΩ)
ØC	ØF	CORE SECTION (mm^2) MIN.	CORE SECTION (mm^2) MAX.	AWG		
1.3	1.1	-	0.60	20	15	3

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CAT NO.
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APPROVAL		
DRAWN:	SNL	01-12-11
CHKD :	TW	01-12-11
DSGN :	XXX	mm-dd-yy
MFG :	DH	01-12-11
QC :	DK	01-12-11

DRAWING SCALE: 4:1

DRAWING NO.	REV
JBXFE2G05MSSDSRC	A

2 OF 2

PRO-E