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DWG. NO. **JBXFH2C**

C

B

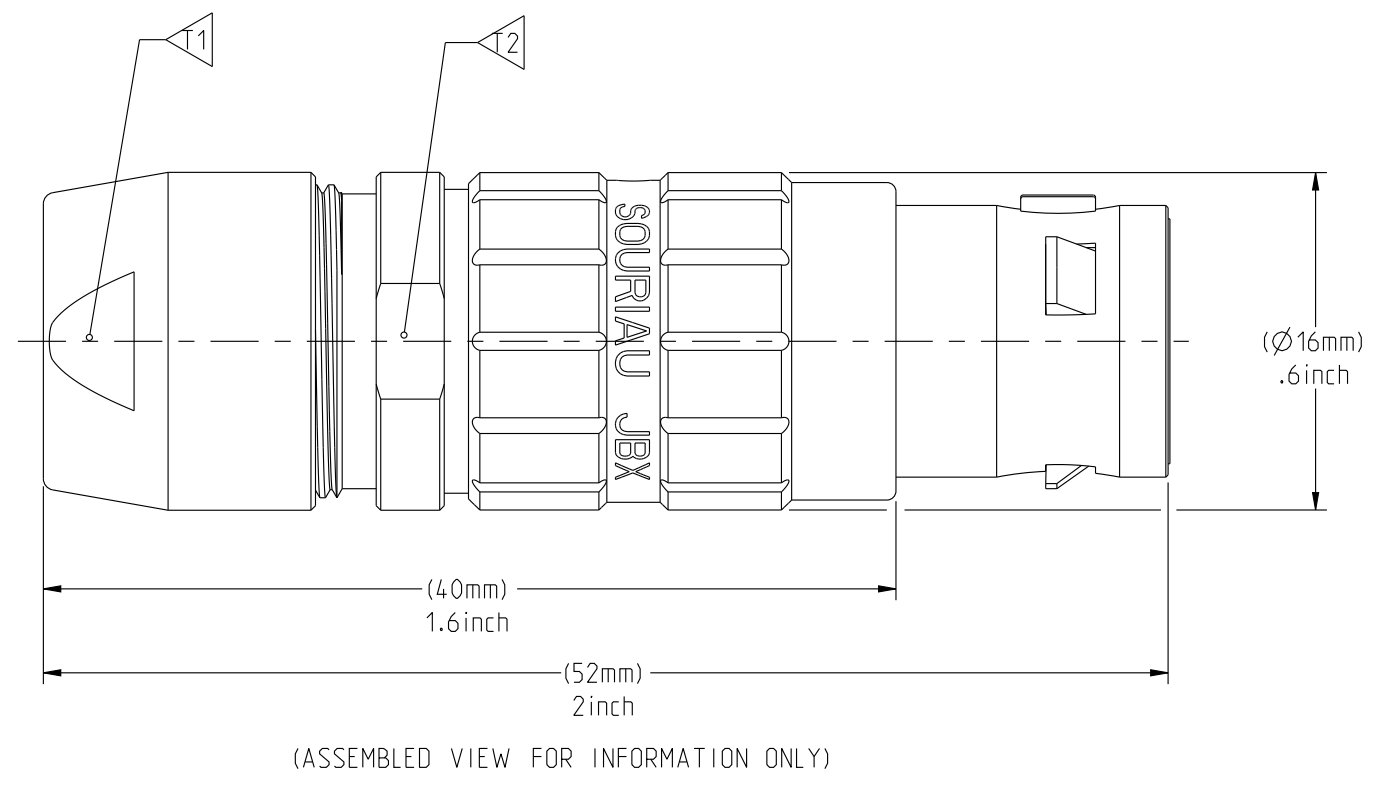
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4

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 INSULATOR DRAWING
 CONNECTOR TESTING VOLTAGE : SEE INSULATOR DRAWING
 CONNECTOR WORKING VOLTAGE : SEE INSULATOR DRAWING
PHYSICAL:
 MAXIMUM WIRE SIZE USED : SEE INSULATOR DRAWING
 CABLE DIAMETER WITH PLASTIC COLLET SET SUPPLIED: Ø3.5mm MIN. TO Ø9.7mm MAX.
ENVIRONMENTAL:
 ENDURANCE: 1000 CYCLES AS PER MIL-STD 1344A, METHOD 2016.1
 SHOCK: 50 g , DURATION 6 ms; AS PER MIL-STD 1344A, METHOD 2004.1
 VIBRATIONS: 10 TO 2000Hz g = 15g, AS PER MIL-STD 1344A, METHOD 2005.1
 PROTECTION INDEX: IP 67 AS PER CEI 529
 ROHS COMPLIANT
 SALT MIST : 48Hr PER SAE AS 1344 METHOD 1001.1 CEI 529
OPERATING TEMPERATURE:
 WITH PLASTIC COLLETS: -40°C TO +80°C (-40°F TO +176°F)

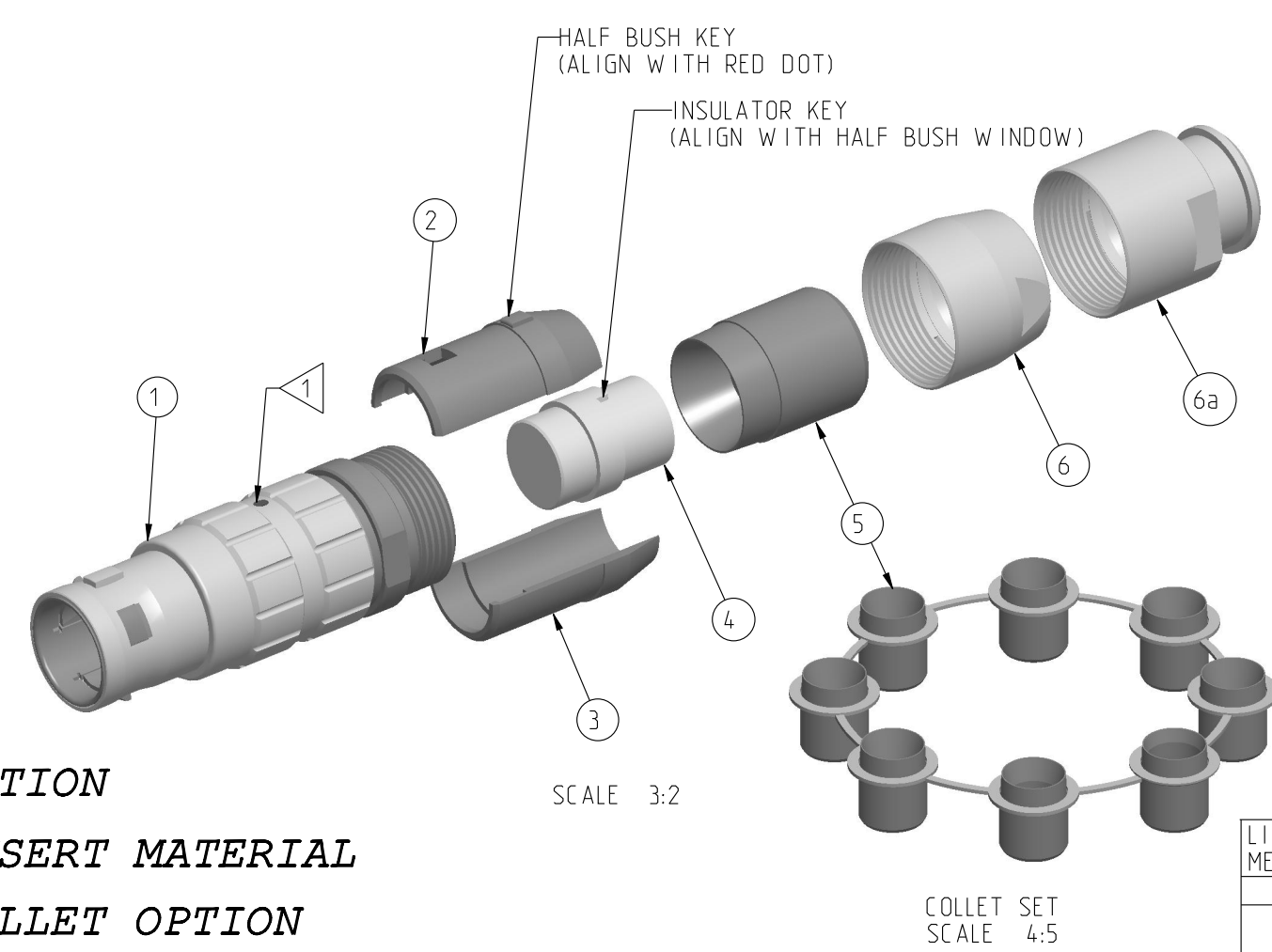
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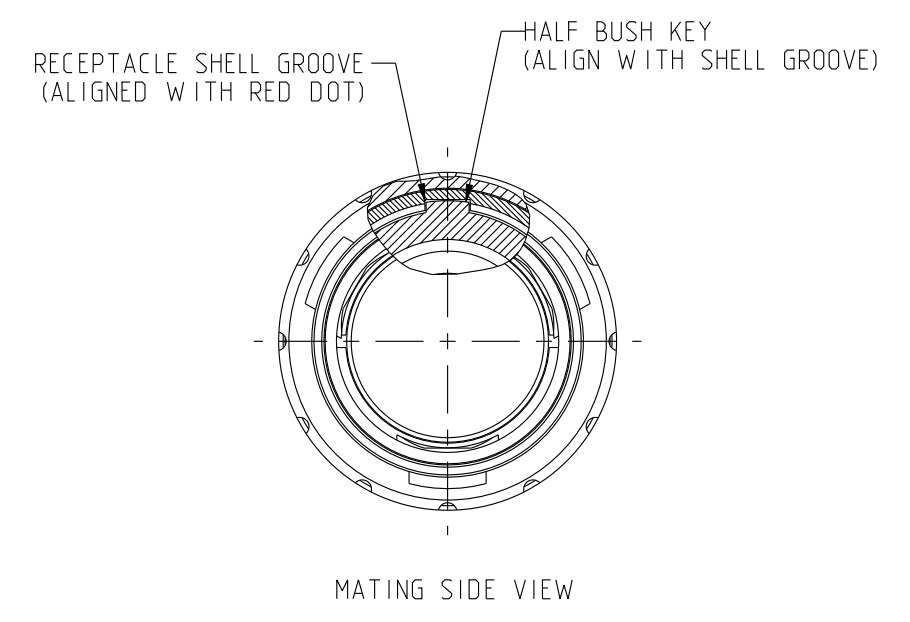
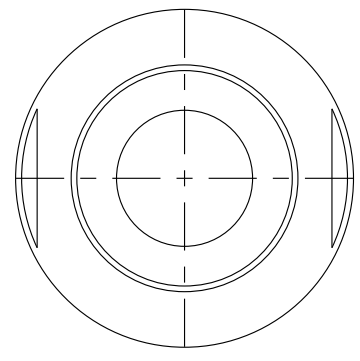
2

1

NOTES:
 1 RED DOT.
MATERIAL:
 OUTER SHELL & BACK NUT : } BRASS
 LATCHING SLEEVE }
 HALF BUSHES : }
 COLLET : RUBBER
FINISH:
 OUTER SHELL & BACK NUT : CHROME
 OTHER BRASS PARTS : NICKEL
TOOLS

1

MASS (g)	VOLUME (mm ³)
25.4	4652



PART LIST	
ITEM NO.	DESCRIPTION
1	SLEEVE
2	HALF BUSH WITH WINDOW
3	HALF BUSH WITHOUT WINDOW
4	INSULATOR
5	Ø3.5-Ø9.7 CABLE COLLET (CHOOSE PER CABLE SIZE)
6	STANDARD BACK NUT
6a	BACK NUT FOR PROTECTIVE BOOT (OPTIONAL)

	TOOLS (JAW DIMENSION)	ADVISED TORQUE IN Nm
1	13	1.5
2	14	-

CATALOG NUMBER DESCRIPTION

JBX FH 2 XXXXXDXX

BASIC SERIES _____ **OPTION**
SHELL TYPE _____ **INSERT MATERIAL**
SHELL SIZE _____ **COLLET OPTION**
KEYING _____ **SURFACE PLATING**
SEE INSULATOR DRAWING

LINEAR MEASURE: $\frac{mm}{(INCH)}$ $\frac{mm}{(INCH)}$
 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°

DRAWING TITLE: **JBX, SIZE 2, SEALED STRAIGHT PLUG**

CAT NO. **JBXFH2**

CAGE NO: 09922 SIZE: C

CUSTOMER

SOURIAU
www.souriau.com

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

A	RELEASED PER ECN 12280	TJS	EV
REV	DESCRIPTION	BY DATE	CHKD DATE

DRAWN: TJS	05-08-15
CHKD : EV	05-08-15
DSGN : EV	05-08-15
MFG : DH	05-08-15
QC : BB	05-08-15

DRAWING SCALE: 4:1
 DRAWING NO. **JBXFH2C** REV **A**
 1 OF 1

D

C

B

A

PRO-E

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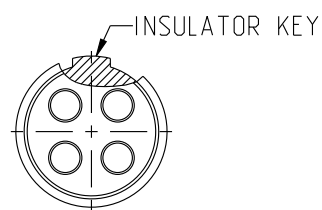
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2

1

MALE INSULATOR, SOLDER CONTACT

DWG. NO. JBX2INSMSC			
CONTACT LAYOUT	02	03	
FRONT SIDE VIEW			
REAR SIDE VIEW			
CONTACT			
ISO VIEW			
$\varnothing C$	2	1.6	
$\varnothing F$	1.9	1.5	
MAX. AWG	16	18	
MAX. CURRENT RATING (A)	30	17	
CONTACT RESISTANCE (m Ω)	2.5	2.5	
NUMBER OF CAVITY	2	3	
MAX. CURRENT RATING	30	17	
TEST VOLTAGE (Vrms)	2100	1700	
WORKING VOLTAGE (Vdc/Vrms)	1000/700	830/560	

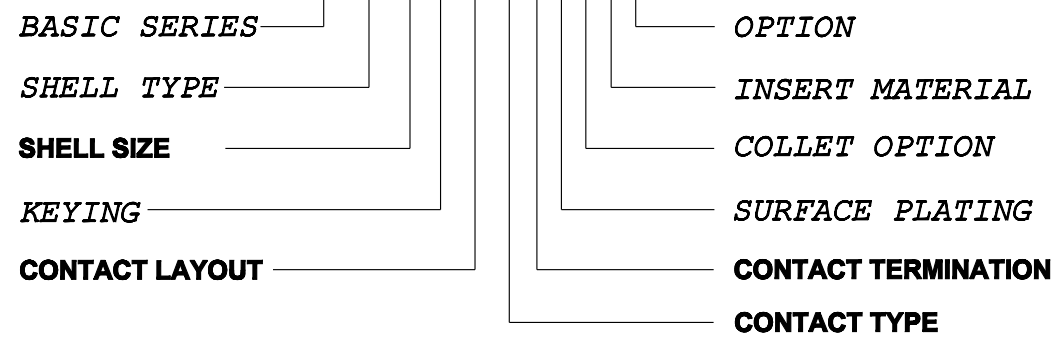


CONTACT TYPE : M (MALE)
CONTACT TERMINATION : S (SOLDER)

MATERIAL :
 CONTACT: BRASS
 CLIP: COPPER ALLOY
 INSULATOR: PEEK
 FINISH:
 CONTACTS: GOLD

CATALOG NUMBER DESCRIPTION

JBXXX 2 XYYMS XXXX



B	REVISED PER ECN 12286	RSK 06-10-15	EV 06-10-15
A	RELEASED PER ECN 12264	SKV 03-10-15	EV 03-10-15
REV	DESCRIPTION	BY DATE	CHKD DATE

DRAWING TITLE
JBX, SIZE 2, MALE INSULATOR, SOLDER CONTACT

CAT NO. **JBX2INSMSC**

LINEAR MEASURE:	$\frac{mm}{INCH}$ mm (INCH)
THIRD ANGLE PROJECTION	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
No. OF PLACES	mm [INCH]
ONE PLACE	± 3 [$\pm .1$]
TWO PLACES	± 0.5 [$\pm .02$]
THREE PLACES	± 0.25 [$\pm .010$]
ANGLES $\pm 1^\circ$	

CAGE NO: 09922 SIZE: B

CUSTOMER

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

SOURIAU

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APPROVAL	DRAWN: SKV 02-02-15
	CHKD : EV 02-02-15
	DSGN : EV 02-02-15
	MFG : DH 02-02-15
	QC : BB 02-02-15
DRAWING SCALE: NA	
DRAWING NO. REV	
JBX2INSMSC	B
1 OF 3	

B

A

2

1

PRO-E

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DWG. NO.
JBX2INSMSC

		2				1	
CONTACT LAYOUT		04	05	06	07	08	10
FRONT SIDE VIEW							
REAR SIDE VIEW							
CONTACT							
ISO VIEW							
CONTACT	ØC	1.3	1.3	1.3	1.3	0.9	0.9
	ØF	1.1	1.1	1.1	1.1	0.8	0.8
	MAX. AWG	20	20	20	20	24	24
	MAX. CURRENT RATING (A)	15	15	15	15	10	10
INSULATOR	CONTACT RESISTANCE (mΩ)	3	3	3	3	3.5	3.5
	NUMBER OF CAVITY	4	5	6	7	8	10
	MAX. CURRENT RATING	15	14	12	11	10	8
	TEST VOLTAGE (Vrms)	2400	1900	1900	1500	1700	1700
	WORKING VOLTAGE (Vdc/Vrms)	1000/700	900/630	900/630	730/500	830/560	830/560

DRAWING TITLE
JBX, SIZE 2, MALE INSULATOR, SOLDER CONTACT

CAT NO. **JBX2INSMSC**

LINEAR MEASURE:		mm (INCH)
THIRD ANGLE PROJECTION		
TOLERANCES UNLESS OTHERWISE SPECIFIED		
No. OF PLACES	mm [INCH]	
ONE PLACE	±3 [±.1]	
TWO PLACES	±0.5 [±.02]	
THREE PLACES	±0.25 [±.010]	
ANGLES ±1°		

CAGE NO: 09922 SIZE: B

CUSTOMER

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	CHKD : EV	02-02-15
	DSGN : EV	02-02-15
	MFG : DH	02-02-15
	QC : BB	02-02-15

DRAWING SCALE: NA	
DRAWING NO.	REV
JBX2INSMSC	B
2 OF 3	

B

A

2

1

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2

1

DWG. NO.
JBX2INSMSC

CONTACT LAYOUT	12	16	18	19
FRONT SIDE VIEW				
REAR SIDE VIEW				
CONTACT				
ISO VIEW				

CONTACT	ØC	0.7	0.7	0.7	0.7
	ØF	0.81	0.81	0.81	0.81
	MAX. AWG	22	22	22	22
	MAX. CURRENT RATING (A)	7	7	7	7
	CONTACT RESISTANCE (mΩ)	5	5	5	5
INSULATOR	NUMBER OF CAVITY	12	16	18	19
	MAX. CURRENT RATING	7	6	5.5	5
	TEST VOLTAGE (Vrms)	1700	1500	1400	1400
	WORKING VOLTAGE (Vdc/Vrms)	830/560	730/500	660/460	660/460

DRAWING TITLE
JBX, SIZE 2, MALE INSULATOR, SOLDER CONTACT

CAT NO. **JBX2INSMSC**

CAGE NO: 09922 SIZE: B

CUSTOMER

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APPROVAL	DRAWN: SKV 02-02-15
	CHKD : EV 02-02-15
	DSGN : EV 02-02-15
	MFG : DH 02-02-15
	QC : BB 02-02-15
DRAWING SCALE: NA	
DRAWING NO. REV	
JBX2INSMSC B	
3 OF 3	

B

A

2

1

PRO-E

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[FGJ.1B.304.CLLD76](#) [FGJ.1B.306.CWLD72](#) [FGJ.3B.304.CYMD82Z](#) [FHG.1B.303.CYCZ](#) [PCS.01.250.DLLE24](#) [PHG.0K.305.CYMC40Z](#)
[PHG.1K.308.CLLK85](#) [PHG.2K.310.CYMC60Z](#) [PHG.2K.310.CYMC85Z](#) [PKG.M0.6BL.LZ](#) [PLC.M1.0SL.LA](#) [GMA.10.290.DN](#)
[GMA.3B.090.DA](#) [PRG.M0.6GL.LC52GZ](#) [PSA.1S.275.CTLC66](#) [ABF.1S.250.NTA](#) [133020F](#) [1331ER193MZ](#) [1332M107MZ](#)
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