

ELECTRICAL:

EMI SHIELDING : SHIELDED FOR THE RANGE 55dB UP TO 100MHZ

INSULATION RESISTANCE : >500M Ω 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: Ø4.9mm MIN. TO Ø12mm 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 40 AS PER CEI 529

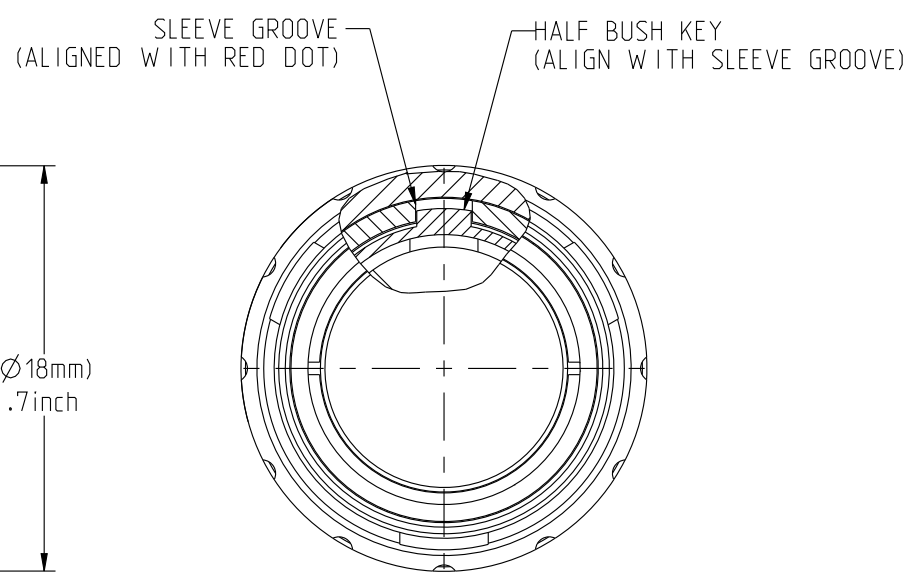
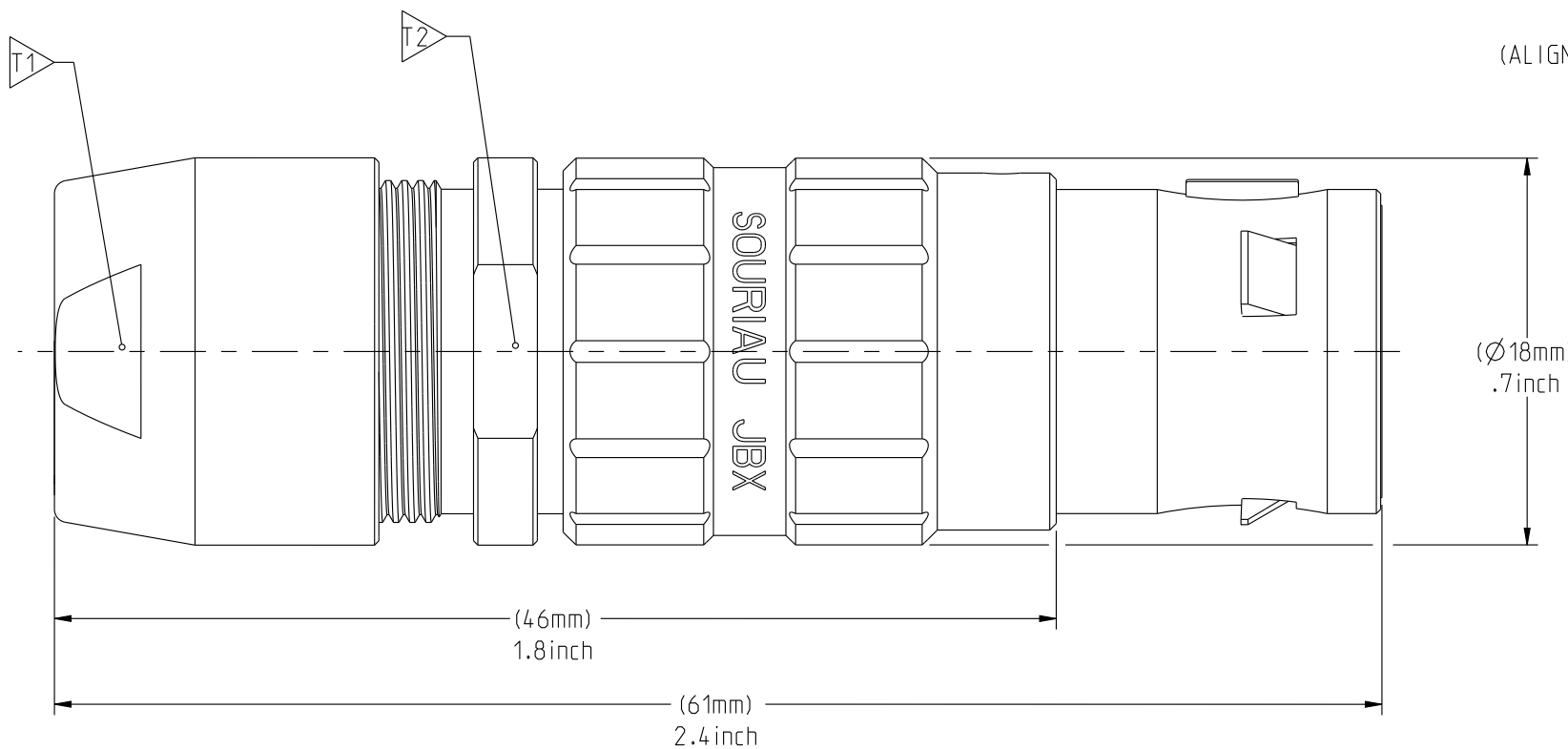
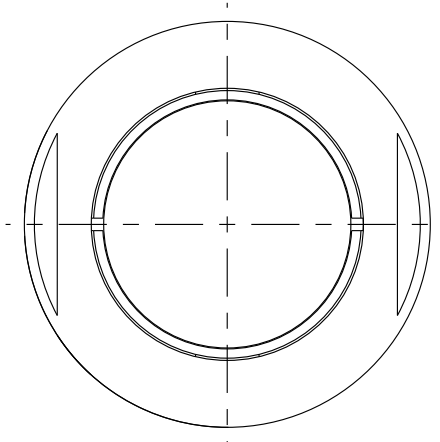
ROHS COMPLIANT

SALT MIST : 48Hr PER SAE AS 1344 METHOD 1001.1 CEI 529

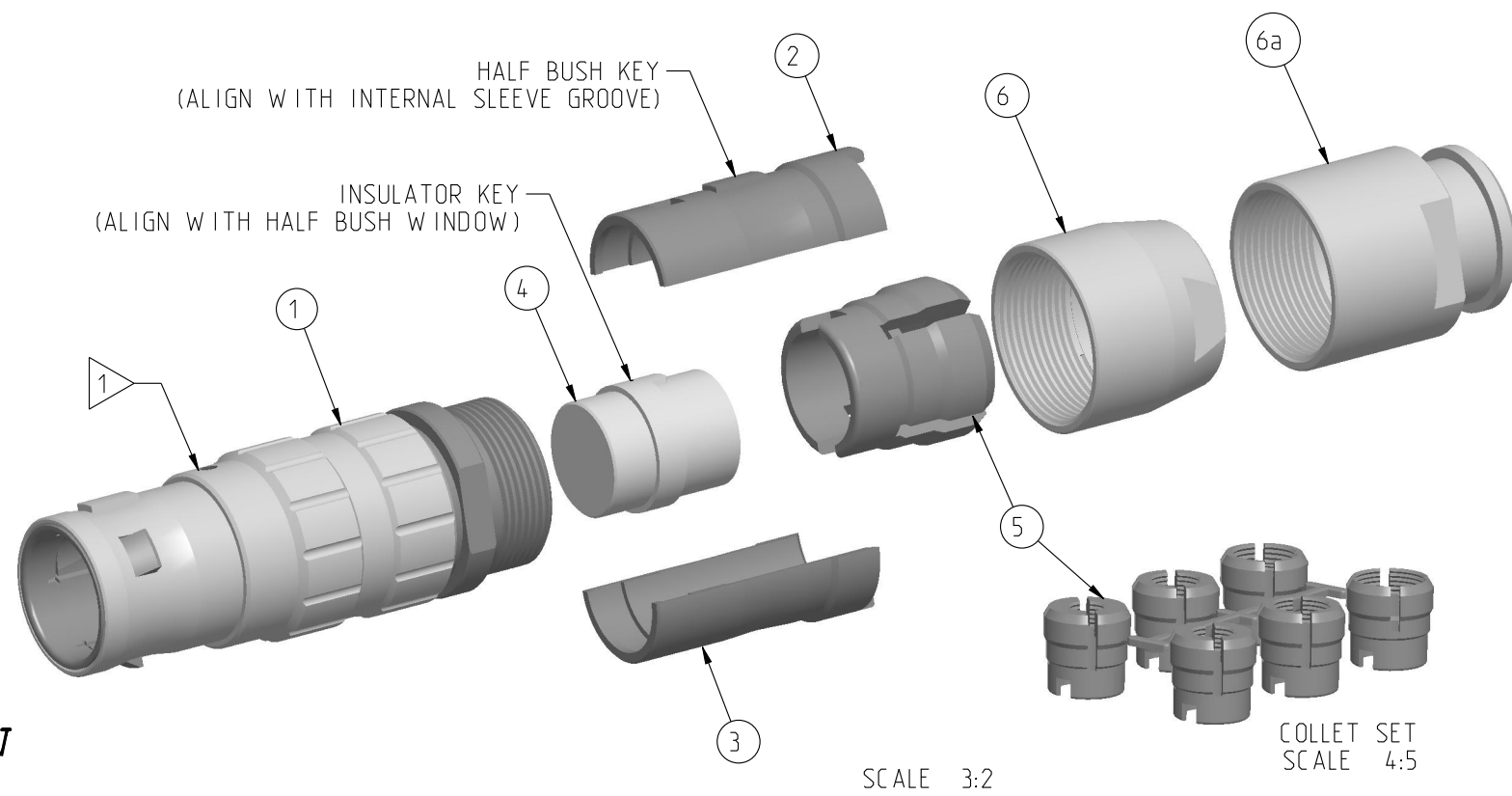
OPERATING TEMPERATURE:

WITH PLASTIC COLLETS: -55°C TO +125°C (-67°F TO +257°F)

WITH OPTIONAL METALLIC COLLETS: -55°C TO +200°C (-67°F TO +392°F)
(ONLY ON REQUEST)



PART LIST	
ITEM NO.	DESCRIPTION
1	SLEEVE
2	HALFBUSH WITH WINDOW
3	HALFBUSH WITHOUT WINDOW
4	INSULATOR
5	Ø4.9-Ø12 CABLE COLLET (CHOOSE PER CABLE SIZE)
6	STANDARD BACK NUT
6a	BACK NUT FOR PROTECTIVE BOOT (OPTIONAL)



	TOOLS (JAW DIMENSION)	ADVISED TORQUE IN Nm
T1	15	2
T2	16	-

<i>CATALOG</i>	<i>NUMBER</i>	<i>DESCRIPTION</i>
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JBX FD 3 XXXXXXDSX

BASIC SERIES _____ *OPTION*

SHELL TYPE _____ *INSERT MATERIAL*

SHELL SIZE _____ *COLLET OPTION*

KEYING _____ *SURFACE PLATING*

SEE INSULATOR DRAWING _____

OPTION
INSERT MATERIAL
COLLET OPTION
SURFACE PLATING

ORIGIN	COUNTRY	JURISDICTION	CLASSIFICATION
X	FR	Not listed	N/A
	US	EAR	ECCN =EAR99
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LINEAR MEASURE:			mm (INCH)
THIRD ANGLE PROJECTION			
			
TOLERANCES			
UNLESS OTHERWISE SPECIFIED			
No. OF PLACES	mm [INCH]		
WHOLE No.	± 0.5 [$\pm .02$]		
ONE PLACE	± 0.2 [$\pm .008$]		
TWO PLACES	± 0.1 [$\pm .004$]		
ANGLE $\pm 1^\circ$			

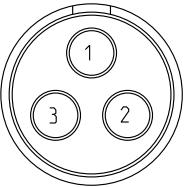
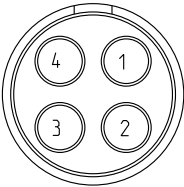
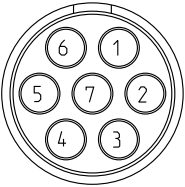
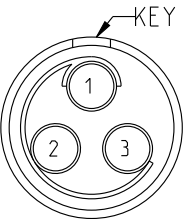
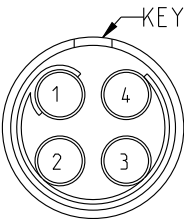
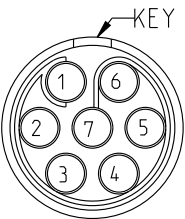
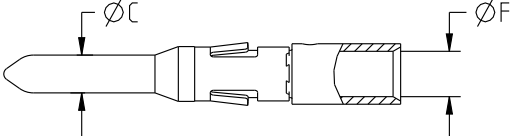
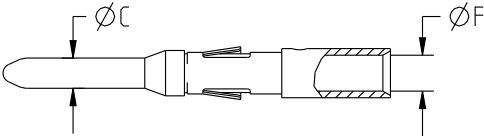
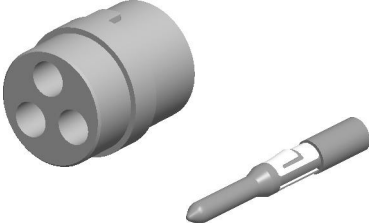
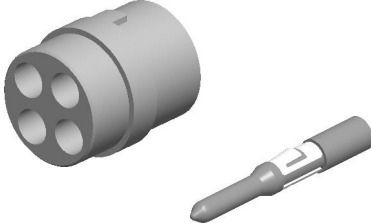
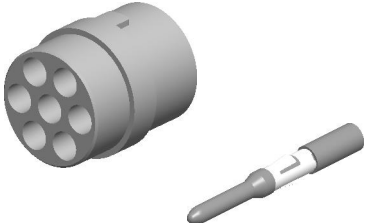
DRAWING TITLE				
JBX, SIZE 3, STRAIGHT PLUG				
CAT NO.				
JBXFD3				
CAGE NO: 09922		SIZE: C		
CUSTOMER		SOURIAU		
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.		APPROVAL	DRAWN: TJS	01-07-15
			CHKD : EV	01-07-15
			DSGN : EV	01-07-15
			MFG : DH	01-07-15
QC : BB	01-07-15			
		DRAWING SCALE: 3:1		
		DRAWING NO.		REV
		JBXFD3C		A
		1 OF 1		
		www.souriau.com		

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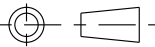
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DWG. NO.
JBX3INSMCC

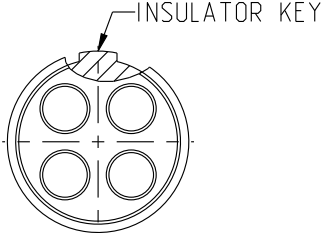
MALE INSULATOR, CRIMP CONTACT

CONTACT LAYOUT	03	04	07
FRONT SIDE VIEW			
REAR SIDE VIEW			
CONTACT			
ISO VIEW			
CONTACT	ØC	2	1.6
	ØF	2.4	1.9
	MAX. AWG	12	14
	MAX. CURRENT RATING (A)	30	17
	CONTACT RESISTANCE (mΩ)	2.5	2.5
INSULATOR	NUMBER OF CAVITY	3	7
	MAX. CURRENT RATING	25	15
	TEST VOLTAGE (Vrms)	3600	2200
	WORKING VOLTAGE (Vdc/Vrms)	1600/1200	1000/700

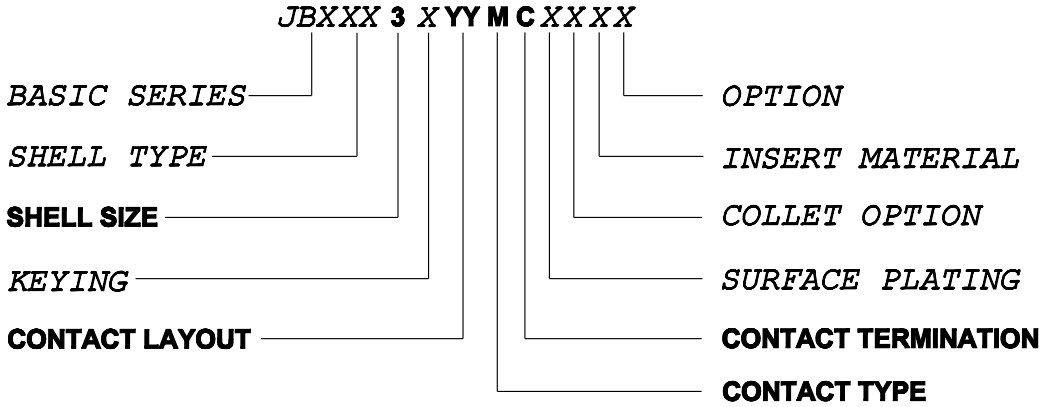
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LINEAR MEASURE:  mm (INCH)	
THIRD ANGLE PROJECTION 	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
No. OF PLACES	mm [INCH]
ONE PLACE	±3 [±.1]
TWO PLACES	±0.5 [±.02]
THREE PLACES	±0.25 [±.010]
ANGLES ±1°	

CONTACT TYPE : M (MALE)
CONTACT TERMINATION : C (CRIMP)
MATERIAL :
CONTACT: BRASS
CLIP: COPPER ALLOY
INSULATOR: PEEK
FINISH:
CONTACTS: GOLD



CATALOG NUMBER DESCRIPTION



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 3, MALE INSULATOR, CRIMP CONTACT						
CAT NO.						
JBX3INSMC						
CAGE NO: 09922		SIZE: B		APPROVAL		
CUSTOMER		SOURIAU			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
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				DRAWING NO. REV		
				JBX3INSMCC B		
1 OF 2						

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DWG. NO.
JBX3INSMCC

CONTACT LAYOUT		08	10	14	18	22	30
CONTACT	FRONT SIDE VIEW						
	REAR SIDE VIEW						
	CONTACT						
	ISO VIEW						
CONTACT	ØC	1.3	1.3	0.9	0.9	0.7	0.7
	ØF	1.4	1.4	1.1	1.1	0.85	0.85
	MAX. AWG	18	18	20	20	22	22
	MAX. CURRENT RATING (A)	15	15	10	10	7	7
INSULATOR	CONTACT RESISTANCE (mΩ)	3	3	3.5	3.5	5	5
	NUMBER OF CAVITY	8	10	14	18	22	30
	MAX. CURRENT RATING	12	12	9	7	5.5	3.5
	TEST VOLTAGE (Vrms)	2000	1400	1700	1400	1200	800
WORKING VOLTAGE (Vdc/Vrms)		830/560	600/420	830/560	660/460	560/400	400/260

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THREE PLACES	±0.25 [±.010]		
ANGLES ±1°			

DRAWING TITLE					
JBX, SIZE 3, MALE INSULATOR, CRIMP CONTACT					
CAT NO.					
JBX3INSMC					
CAGE NO: 09922	SIZE: B		APPROVAL	DRAWN: SKV	02-02-15
CUSTOMER	SOURIAU			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			
JBX3INSMCC		B			
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.		WWW.SOURIAU.COM		2 OF 2	