

ELECTRICAL:

EMI SHIELDING :

INSULATION RESISTANCE :

MAX. CURRENT RATING :

CONNECTOR TESTING VOLTAGE :

CONNECTOR WORKING VOLTAGE :

ENVIRONMENTAL:

ENDURANCE:

SHOCK:

VIBRATIONS:

PROTECTION INDEX:

ROHS COMPLIANT

SALT MIST :

OPERATING TEMPERATURE:

SHIELDED FOR THE RANGE 55dB UP TO 100MHz

>500M Ω PER ANSI-EIA-364-D METHOD 21

SEE INSULATOR DRAWING

SEE INSULATOR DRAWING

SEE INSULATOR DRAWING

1000 CYCLES AS PER MIL-STD 1344A, METHOD 2016.1

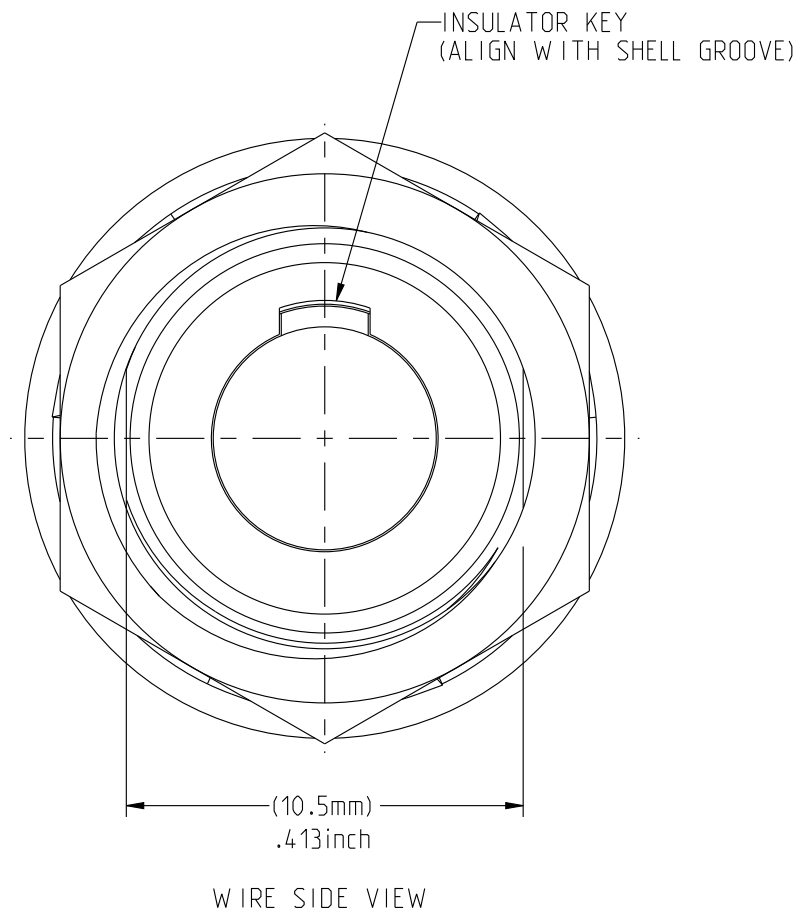
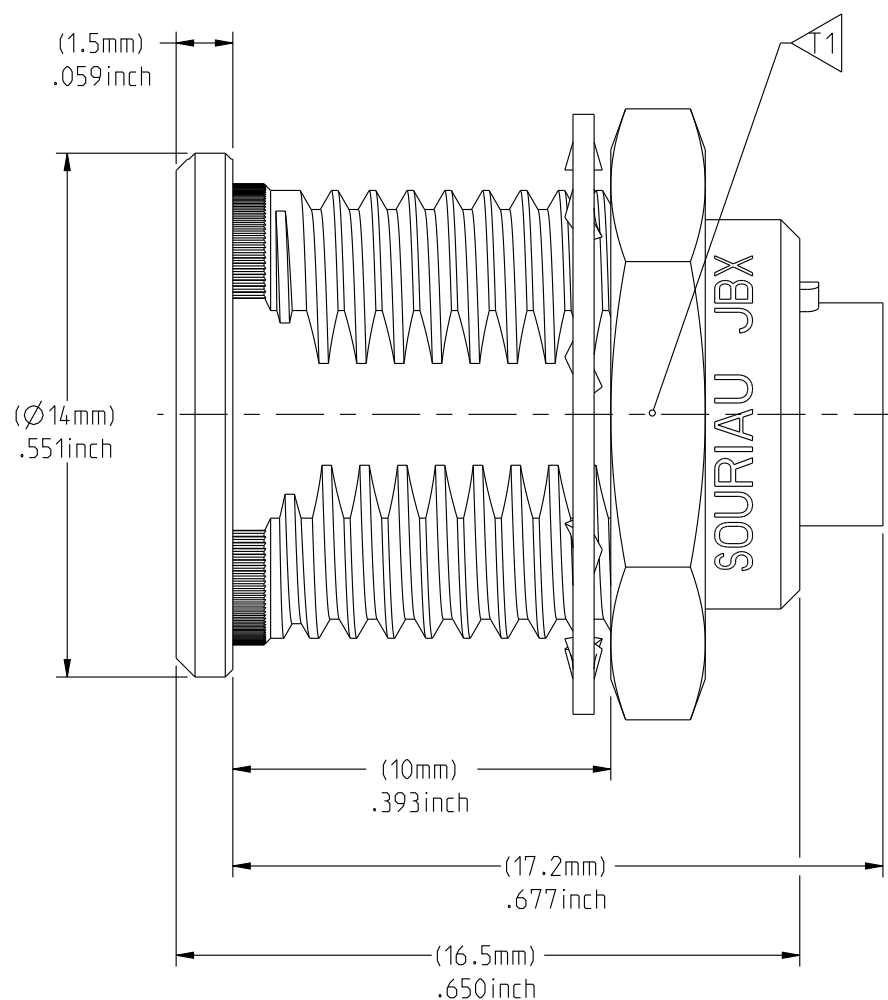
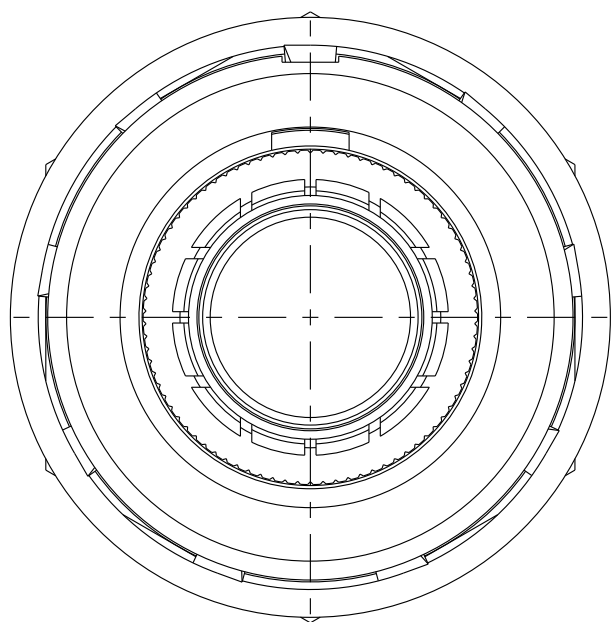
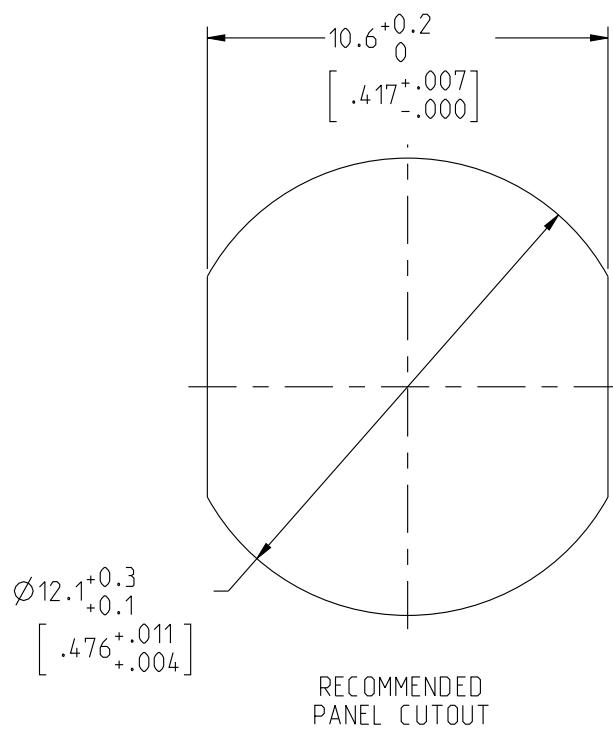
50 g , DURATION 6 ms; AS PER MIL-STD 1344A, METHOD 2004.1

10 TO 2000Hz g = 15g, AS PER MIL-STD 1344A, METHOD 2005.1

IP 40 AS PER CEI 529

48Hr PER SAE AS 1344 METHOD 1001.1 CEI 529

-55°C TO +125°C (-67°F TO +257°F)



	TOOLS (JAW DIMENSION)	ADVISED TORQUE IN Nm
	14	1.3

PART LIST	
ITEM NO.	DESCRIPTION
1	SHELL
2	LOCK WASHER
3	HEX NUT
4	INSULATOR

<i>CATALOG</i>	<i>NUMBER</i>	<i>DESCRIPTION</i>
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JBX ER 1 XXXXXDXR

BASIC SERIES

SHELL TYPE

SHELL SIZE

KEYING

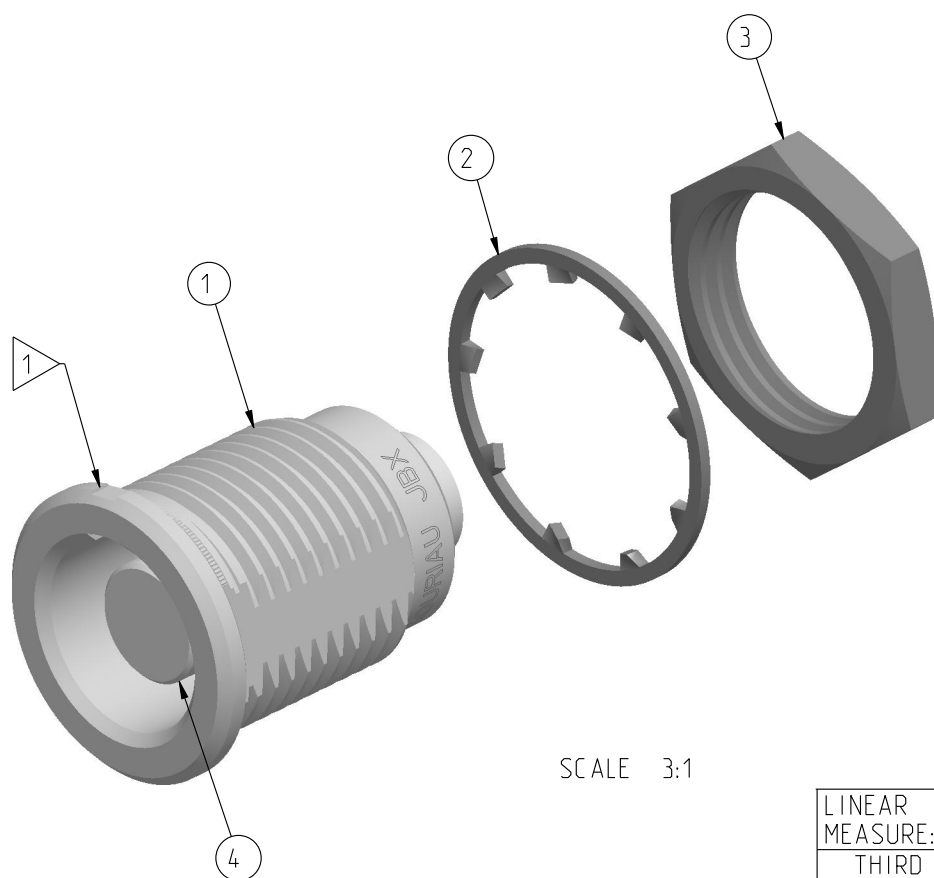
SEE INSULATOR DRAWING

OPTION

INSERT MATERIAL

COLLET OPTION

SURFACE PLATING



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	US	EAR	ECCN #EAR99
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LINEAR MEASURE: mm (INCH) mm (INCH)	
THIRD ANGLE PROJECTION	
	
TOLERANCES	
UNLESS OTHERWISE SPECIFIED	
No. OF PLACES	mm [INCH]
WHOLE No.	$\pm 0.5 \left[\pm .02 \right]$
ONE PLACE	$\pm 0.2 \left[\pm .008 \right]$
TWO PLACES	$\pm 0.1 \left[\pm .004 \right]$
ANGLE $\pm 1^\circ$	

A		RELEASED PER ECN 12258		SKV 06-10-15		EV 06-10-15	
REV		DESCRIPTION		BY DATE		CHKD DATE	
DRAWING TITLE							
JBX, SIZE 1, FRONT PANEL MOUNTING RECEPTACLE							
CAT NO.							
JBXER1							
CAGE NO: 09922		SIZE: C		APPROVAL		DRAWN: SKV 01-12-15	
CUSTOMER		SOURIAU				CHKD : EV 01-12-15	
						DSGN : EV 01-12-15	
						MFG : DH 01-12-15	
						QC : BB 01-12-15	
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.		www.souriau.com		DRAWING SCALE: 5:1		DRAWING NO. REV	
				JBXERIC		A	
				1 OF 1			

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DWG. NO.
JBX1INSFSC

FEMALE INSULATOR, SOLDER CONTACT

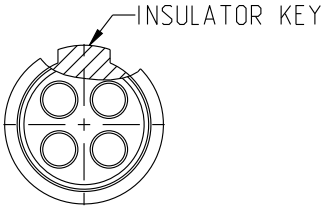
CONTACT LAYOUT	02	03	04	05
FRONT SIDE VIEW				
REAR SIDE VIEW				
CONTACT				
ISO VIEW				
CONTACT	ØC	1.3	1.3	0.9
	ØF	1.1	1.1	0.8
	MAX. AWG	20	20	24
	MAX. CURRENT RATING (A)	15	15	10
	CONTACT RESISTANCE (mΩ)	3	3	3.5
INSULATOR	NUMBER OF CAVITY	2	3	4
	MAX. CURRENT RATING	15	12	10
	TEST VOLTAGE (Vrms)	1600	1300	1900
	WORKING VOLTAGE (Vdc/Vrms)	760/530	600/420	900/630

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LINEAR MEASURE:	
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 : F (FEMALE)
CONTACT TERMINATION : S (SOLDER)

MATERIAL :
CONTACT: CUPRO NICKEL
CLIP: COPPER ALLOY
INSULATOR: PEEK
FINISH:
CONTACTS: GOLD



CATALOG NUMBER DESCRIPTION

JBXXX 1 X YY F S XXXX

BASIC SERIES SHELL TYPE SHELL SIZE KEYING CONTACT LAYOUT

OPTION INSERT MATERIAL COLLET OPTION SURFACE PLATING CONTACT TERMINATION CONTACT TYPE

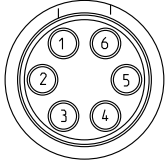
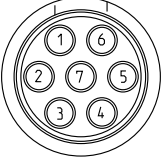
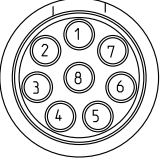
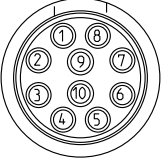
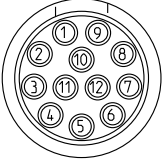
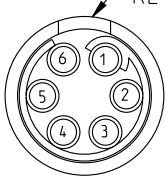
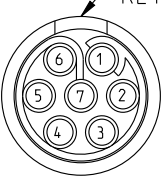
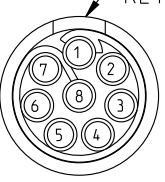
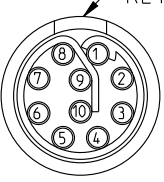
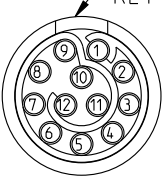
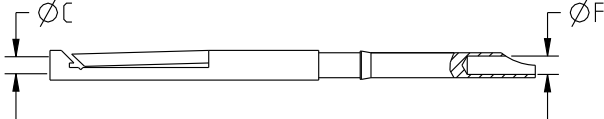
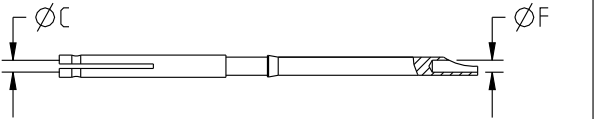
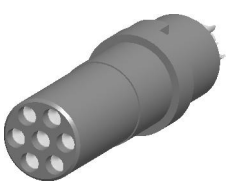
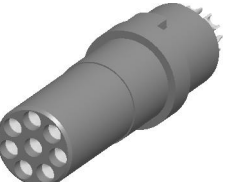
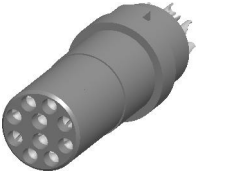
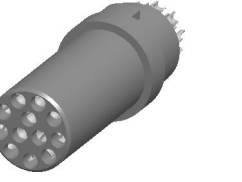
B	REVISED PER ECN 12286	RSK 06-10-15	EV 06-10-15
A	RELEASED PER ECN 12264	SKV 03-10-15	EV 03-10-15
REV	DESCRIPTION	BY DATE	CHKD DATE

DRAWING TITLE				
JBX, SIZE 1, FEMALE INSULATOR, SOLDER CONTACT				
CAT NO.				
JBX1INSFS				
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	
		JBX1INSFSC	B	
			1 OF 2	

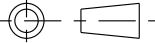
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DWG. NO.
JBX11NSFSC

CONTACT LAYOUT		06	07	08	10	12
FRONT SIDE VIEW						
REAR SIDE VIEW						
CONTACT						
ISO VIEW						
CONTACT	ØC	0.7	0.7	0.7	0.5	0.5
	ØF	0.81	0.81	0.81	0.5	0.5
	MAX. AWG	22	22	22	28	28
	MAX. CURRENT RATING (A)	7	7	7	5	5
	CONTACT RESISTANCE (mΩ)	5	5	5	10	10
	NUMBER OF CAVITY	6	7	8	10	12
	MAX. CURRENT RATING	7	7	5	2.5	2.5
	TEST VOLTAGE (Vrms)	1400	1400	1200	600	500
INSULATOR	WORKING VOLTAGE (Vdc/Vrms)	660/460	660/460	600/420	300/200	170/120

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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°			

DRAWING TITLE JBX, SIZE 1, FEMALE INSULATOR, SOLDER CONTACT			
CAT NO. JBX11NSFS			
CAGE NO: 09922		SIZE: B	
CUSTOMER		SOURIAU	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 JBX11NSFSC B
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