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DWG. NO. **JBXEC2C**

MASS (g)	VOLUME (mm ³)
16.8	3181

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

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

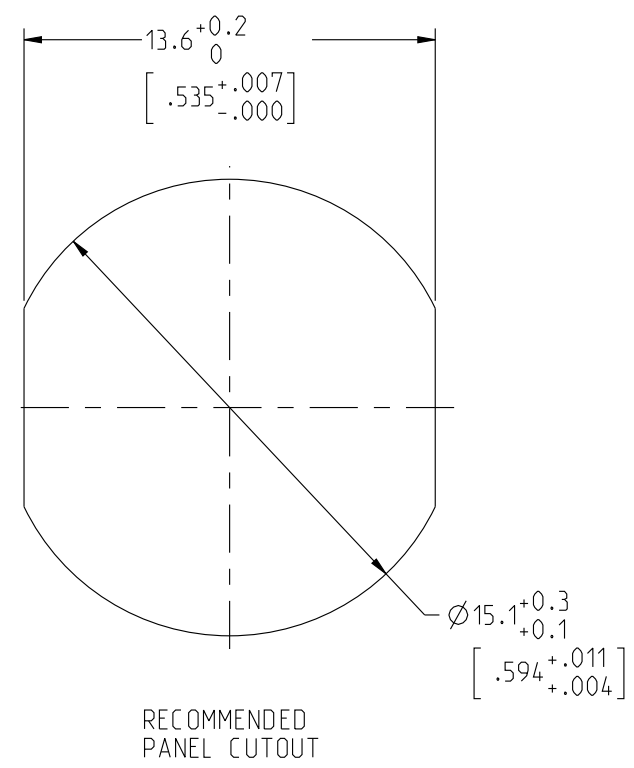
VIBRATIONS: 10 TO 2000Hz g = 15g, AS PER MIL-STD 1344A, METHOD 2005.1

PROTECTION INDEX: IP 67 AS PER CEI 529

ROHS COMPLIANT

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

OPERATING TEMPERATURE: -40°C TO +80°C (-40°F TO +176°F)



NOTES:

MATERIAL:

OUTER SHELL & PANEL NUT : } BRASS

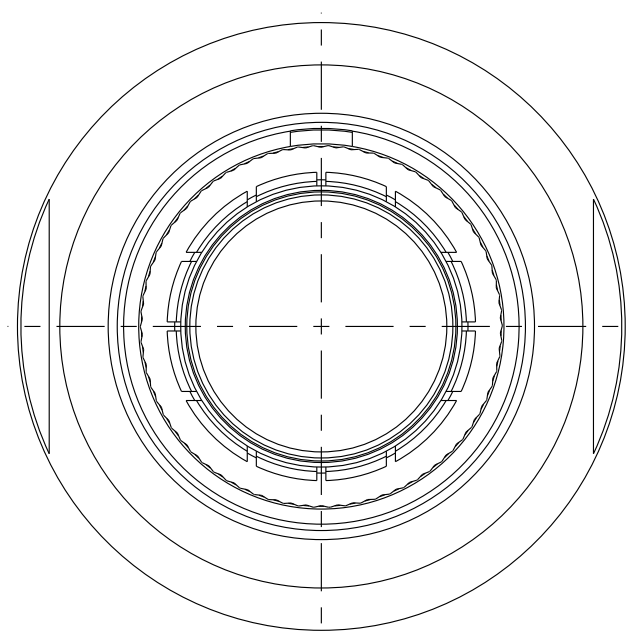
SHIELD RING & NUT: }

FINISH:

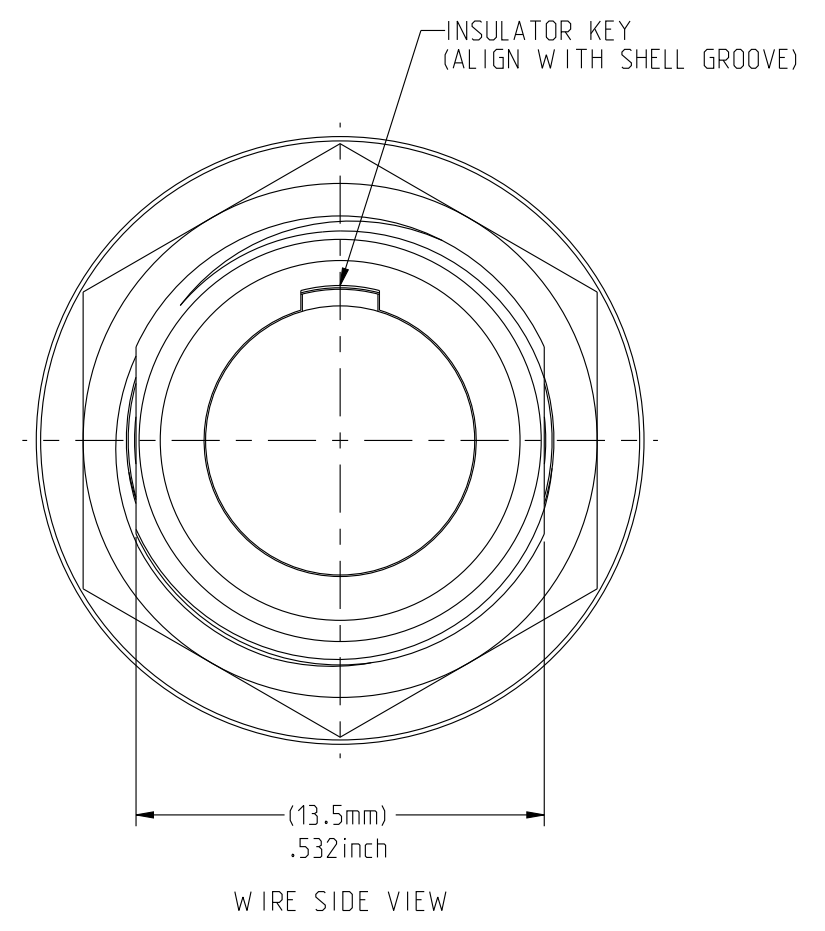
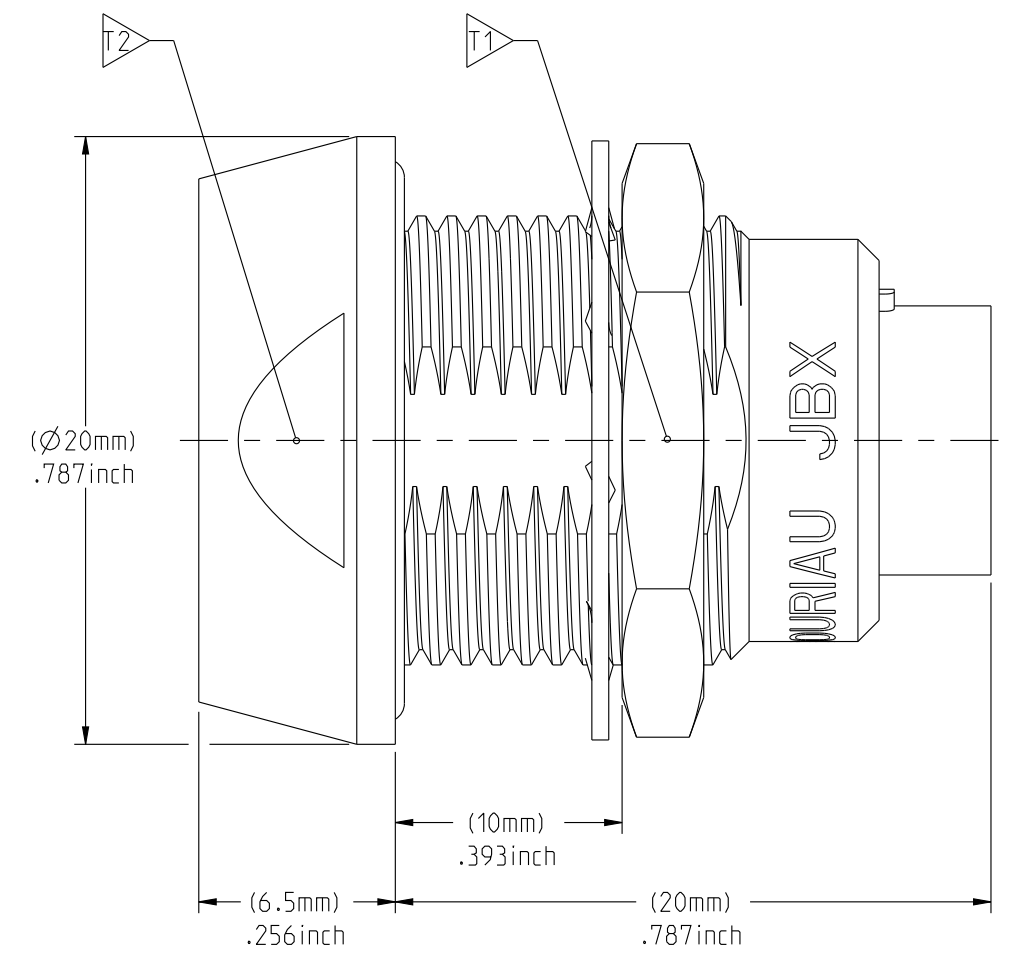
OUTER SHELL: CHROME

OTHER BRASS PARTS : NICKEL

TOOLS

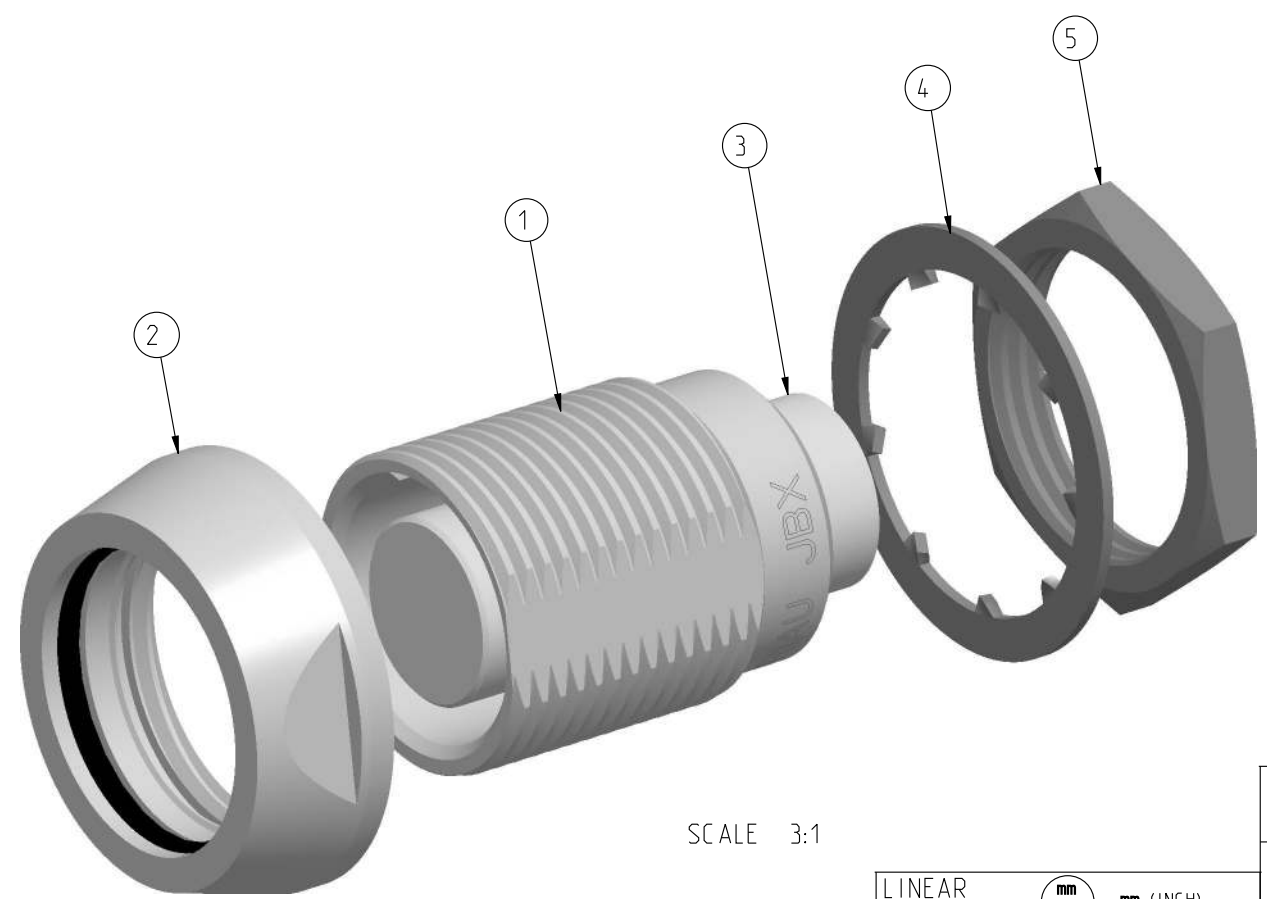


MATING SIDE VIEW



WIRE SIDE VIEW

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

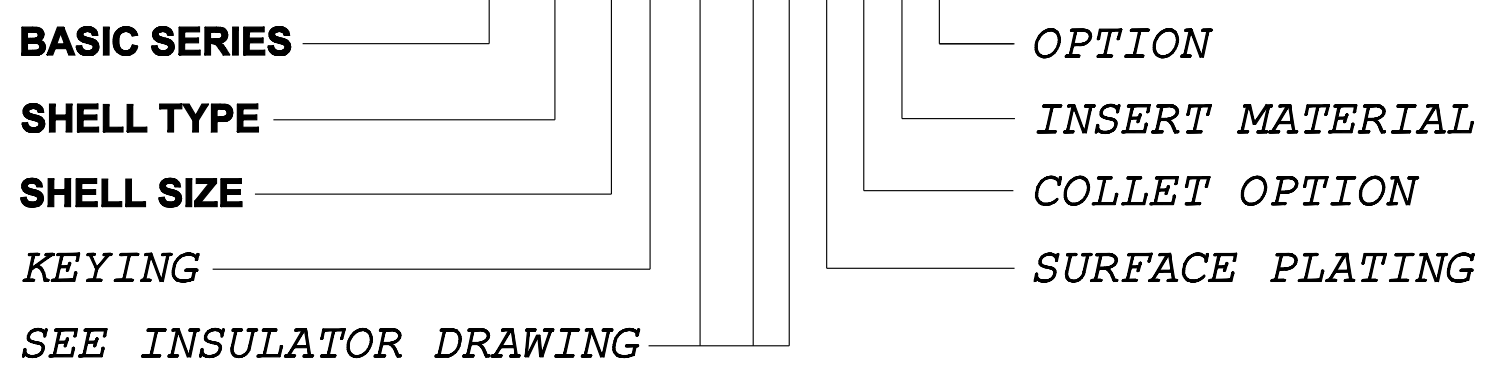


SCALE 3:1

	TOOLS (JAW DIMENSION)	ADVISED TORQUE IN Nm
T1	17	1.7
T2	18	1.7

CATALOG NUMBER DESCRIPTION

JBX EC 2 XXXXXDX -



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 [±.02]
ONE PLACE	±0.2 [±.008]
TWO PLACES	±0.1 [±.004]
ANGLES ±1°	

DRAWING TITLE
JBX, SIZE 2, SEALED DOUBLE NUT PANEL RECEPTACLE

CAT NO. **JBXEC2**

CAGE NO: 09922 SIZE: C

CUSTOMER

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

SOURIAU
 www.souriau.com

APPROVAL	DRAWN: SKV	01-27-15
	CHKD : EV	01-27-15
	DSGN : EV	01-27-15
	MFG : DH	01-27-15
	QC : BB	01-27-15
DRAWING SCALE: 4:1		
DRAWING NO. JBXEC2C		REV A

1 OF 1

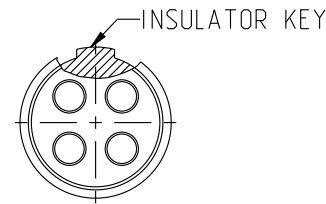
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DWG. NO.
JBX2INSMP

MALE INSULATOR, STRAIGHT PCB CONTACT

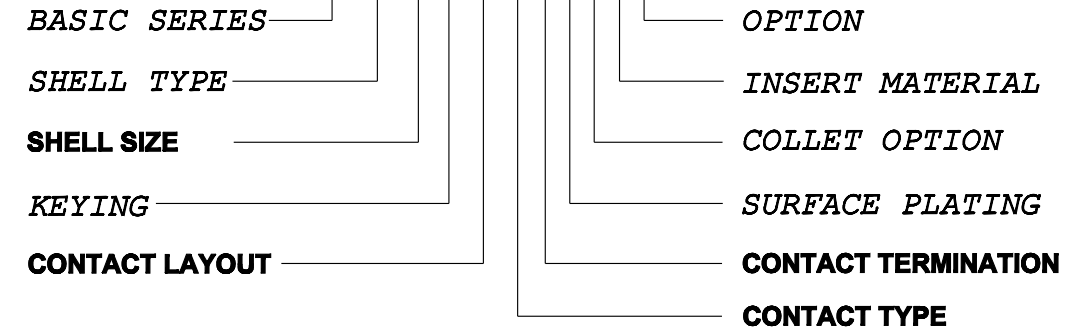
CONTACT LAYOUT	04	05	06	07
FRONT SIDE VIEW				
REAR SIDE VIEW				
CONTACT				
ISO VIEW				
CONTACT	ØC	1.3	1.3	1.3
	ØF	0.7	0.7	0.7
	MAX. AWG	-	-	-
	MAX. CURRENT RATING (A)	15	15	15
	CONTACT RESISTANCE (mΩ)	3	3	3
INSULATOR	NUMBER OF CAVITY	4	5	6
	MAX. CURRENT RATING	15	14	12
	TEST VOLTAGE (V _{rms})	2400	1900	1900
	WORKING VOLTAGE (V _{dc} /V _{rms})	1000/700	900/630	900/630

CONTACT TYPE : M (MALE)
CONTACT TERMINATION : P (PCB)
MATERIAL :
 CONTACT: BRASS
 INSULATOR: PEEK
FINISH :
 CONTACTS: GOLD



CATALOG NUMBER DESCRIPTION

JBXXX 2 XYYMP 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, PCB CONTACT

CAT NO. **JBX2INSMP**

CAGE NO: 09922 SIZE: B

CUSTOMER	SOURIAU	APPROVAL	DRAWN: SKV	02-02-15
			CHKD : EV	02-02-15
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.	WWW.SOURIAU.COM		DSGN : EV	02-02-15
			MFG : DH	02-02-15
			QC : BB	02-02-15
			DRAWING SCALE: NA	
			DRAWING NO.	REV
			JBX2INSMP	B
			1 OF 3	

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

THIRD ANGLE PROJECTION

TOLERANCES UNLESS OTHERWISE SPECIFIED

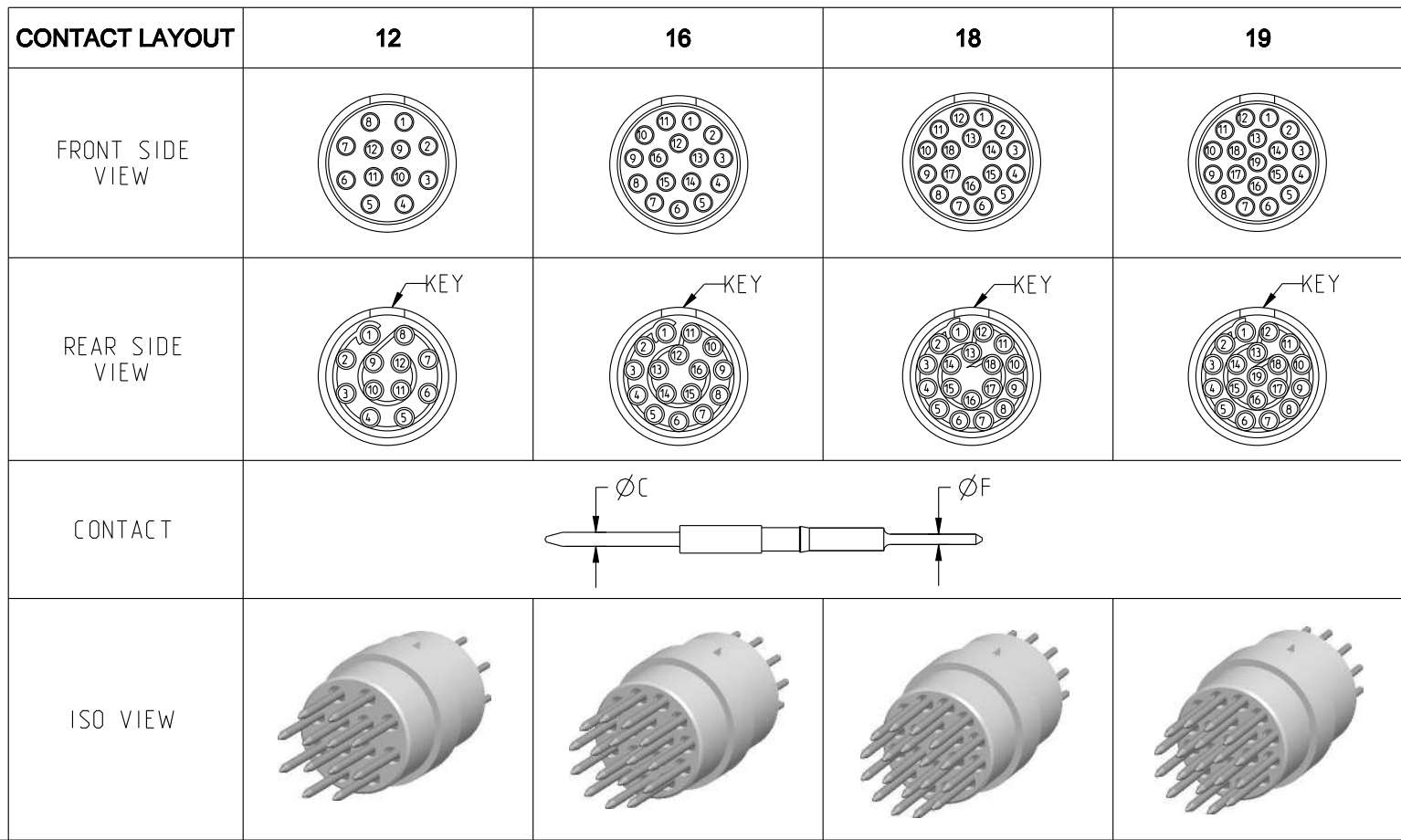
No. OF PLACES	mm [INCH]
ONE PLACE	±3 [±.1]
TWO PLACES	±0.5 [±.02]
THREE PLACES	±0.25 [±.010]

ANGLES ±1°

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DWG. NO.
JBX2INSMP



CONTACT	ØC	0.7	0.7	0.7	0.7
	ØF	0.5	0.5	0.5	0.5
	MAX. AWG	-	-	-	-
	MAX. CURRENT RATING (A)	7	7	7	7
INSULATOR	CONTACT RESISTANCE (mΩ)	5	5	5	5
	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

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B

A

DRAWING TITLE		JBX, SIZE 2, MALE INSULATOR, PCB CONTACT																												
CAT NO.		JBX2INSMP																												
CAGE NO: 09922	SIZE: B	CUSTOMER	SOURIAU																											
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.				WWW.SOURIAU.COM																										
APPROVAL		<table border="1"> <tr><td>DRAWN:</td><td>SKV</td><td>02-02-15</td></tr> <tr><td>CHKD :</td><td>EV</td><td>02-02-15</td></tr> <tr><td>DSGN :</td><td>EV</td><td>02-02-15</td></tr> <tr><td>MFG :</td><td>DH</td><td>02-02-15</td></tr> <tr><td>QC :</td><td>BB</td><td>02-02-15</td></tr> <tr><td colspan="2">DRAWING SCALE:</td><td>NA</td></tr> <tr><td colspan="2">DRAWING NO.</td><td>REV</td></tr> <tr><td colspan="2">JBX2INSMP</td><td>B</td></tr> <tr><td colspan="2">2 OF 3</td><td></td></tr> </table>		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	JBX2INSMP		B	2 OF 3		
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JBX2INSMP		B																												
2 OF 3																														

LINEAR MEASURE: $\frac{mm}{INCH}$ 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]

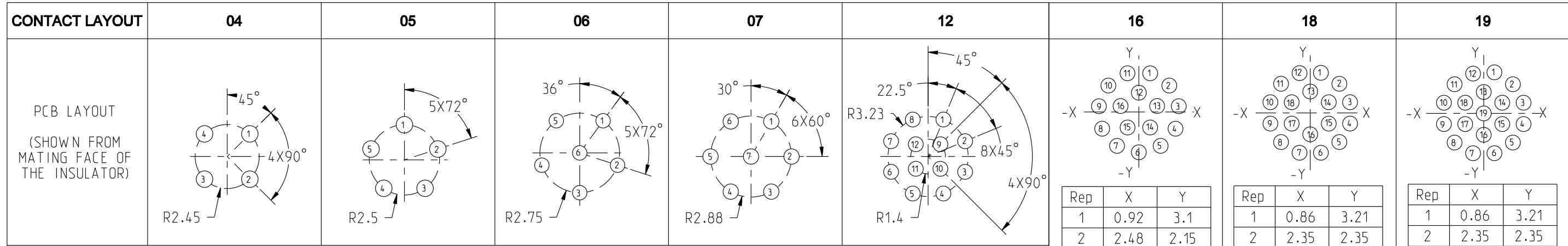
ANGLES ±1°

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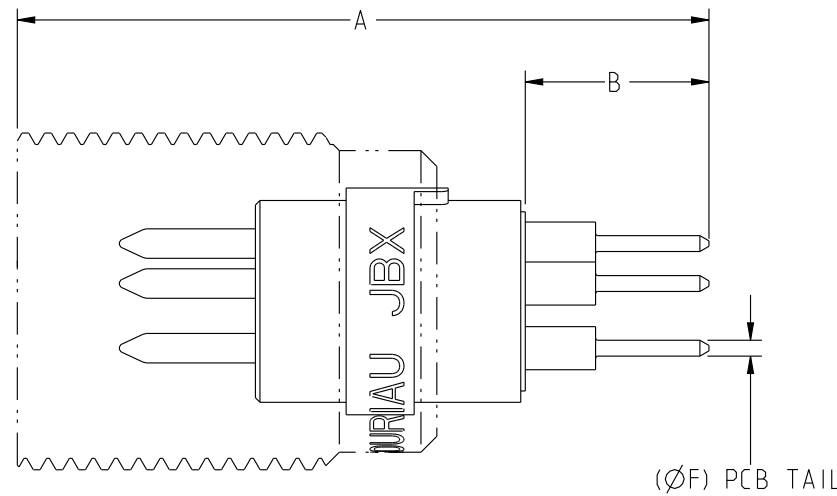


CONTACT PCB TAIL SIZE DIA	FINISHED PCB HOLE SIZE DIA
0.5	0.75
0.7	0.95

Rep	X	Y
1	0.92	3.1
2	2.48	2.15
3	3.24	0.47
4	2.98	-1.36
5	1.77	-2.76
6	0.00	-3.28
7	-1.77	-2.76
8	-2.98	-1.36
9	-3.24	0.47
10	-2.48	2.15
11	-0.92	3.14
12	0	1.55
13	1.47	0.48
14	0.91	-1.25
15	-0.91	-1.25
16	-1.47	0.48

Rep	X	Y
1	0.86	3.21
2	2.35	2.35
3	3.21	0.86
4	3.21	-0.86
5	2.35	-2.35
6	0.86	-3.21
7	-0.86	-3.21
8	-2.35	-2.35
9	-3.21	-0.86
10	-3.21	0.86
11	-2.35	2.35
12	-0.86	3.21
13	0	1.73
14	1.49	0.86
15	1.49	-0.86
16	0	-1.73
17	-1.49	-0.86
18	-1.49	0.86

Rep	X	Y
1	0.86	3.21
2	2.35	2.35
3	3.21	0.86
4	3.21	-0.86
5	2.35	-2.35
6	0.86	-3.21
7	-0.86	-3.21
8	-2.35	-2.35
9	-3.21	-0.86
10	-3.21	0.86
11	-2.35	2.35
12	-0.86	3.21
13	0	1.73
14	1.49	0.86
15	1.49	-0.86
16	0	-1.73
17	-1.49	-0.86
18	-1.49	0.86
19	0	0



SAMPLE ASSEMBLY FOR INFORMATION

LAYOUT	04	05	06	07	12	16	18	19
A		30.5				25.7		
B		8.1				3.3		

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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 2, MALE INSULATOR, PCB CONTACT

CAT NO. **JBX2INSMP**

CAGE NO: 09922 SIZE: B

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

CUSTOMER

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

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JBX2INSMP B

3 OF 3

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B

A