

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

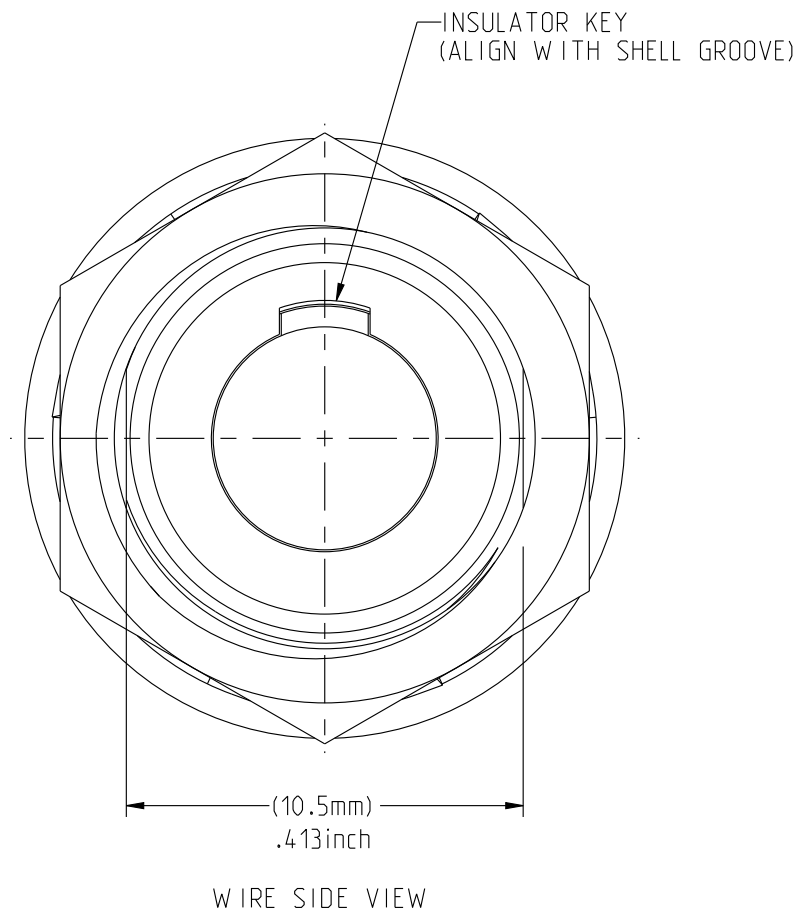
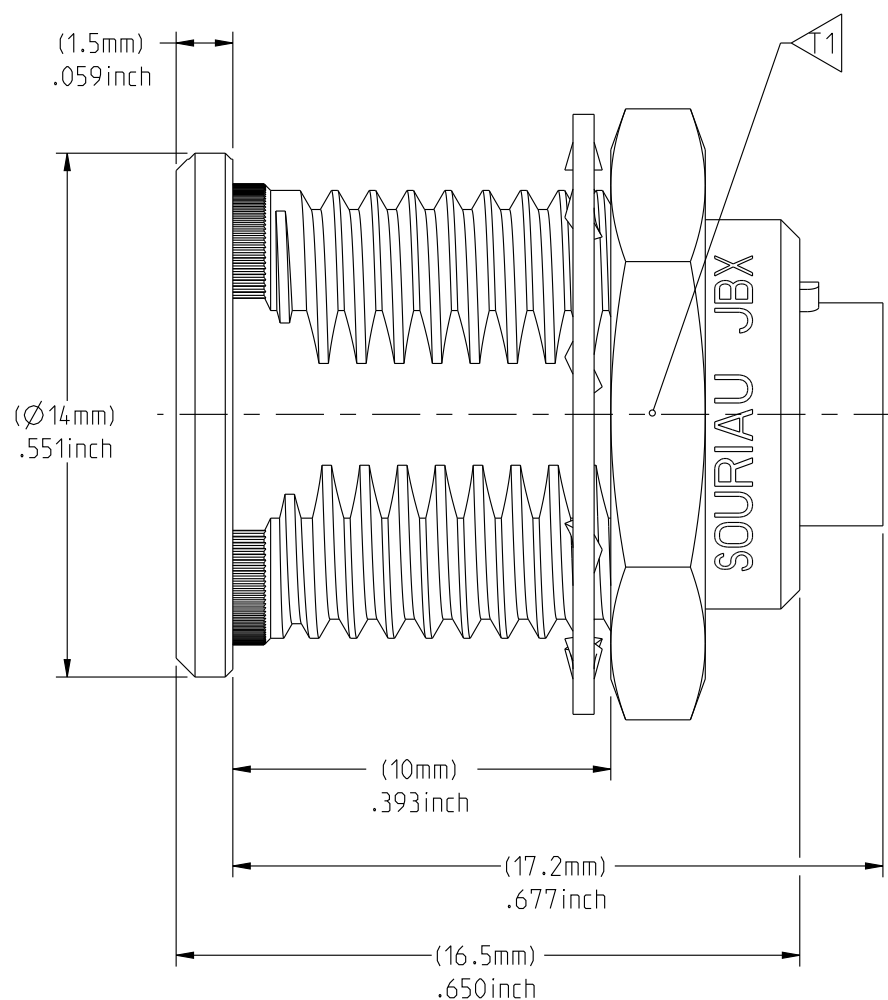
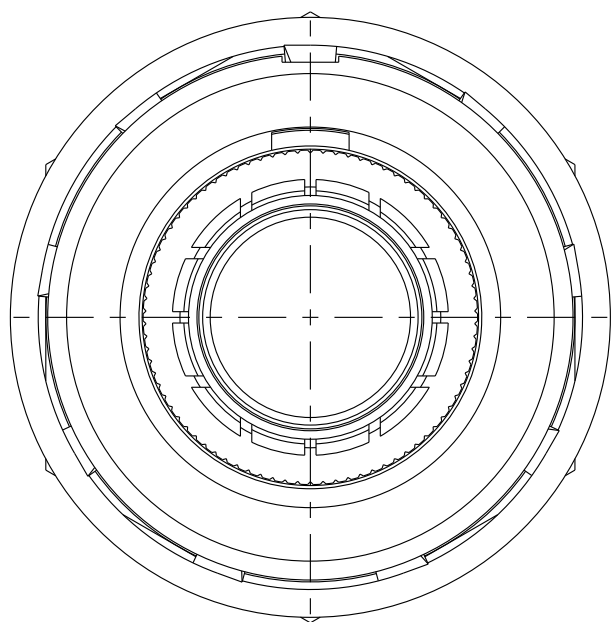
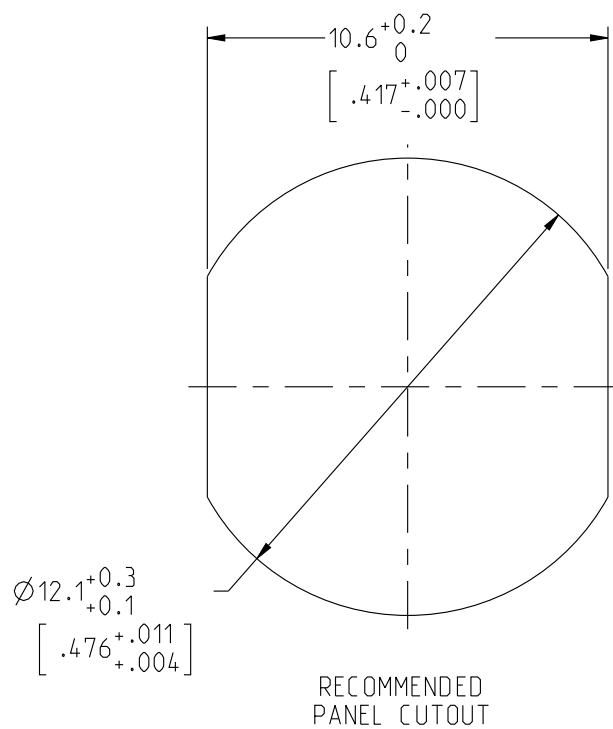
50 g , DURATION 6 ms; AS PER MIL-STD 1344A, METHOD 2004.1

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

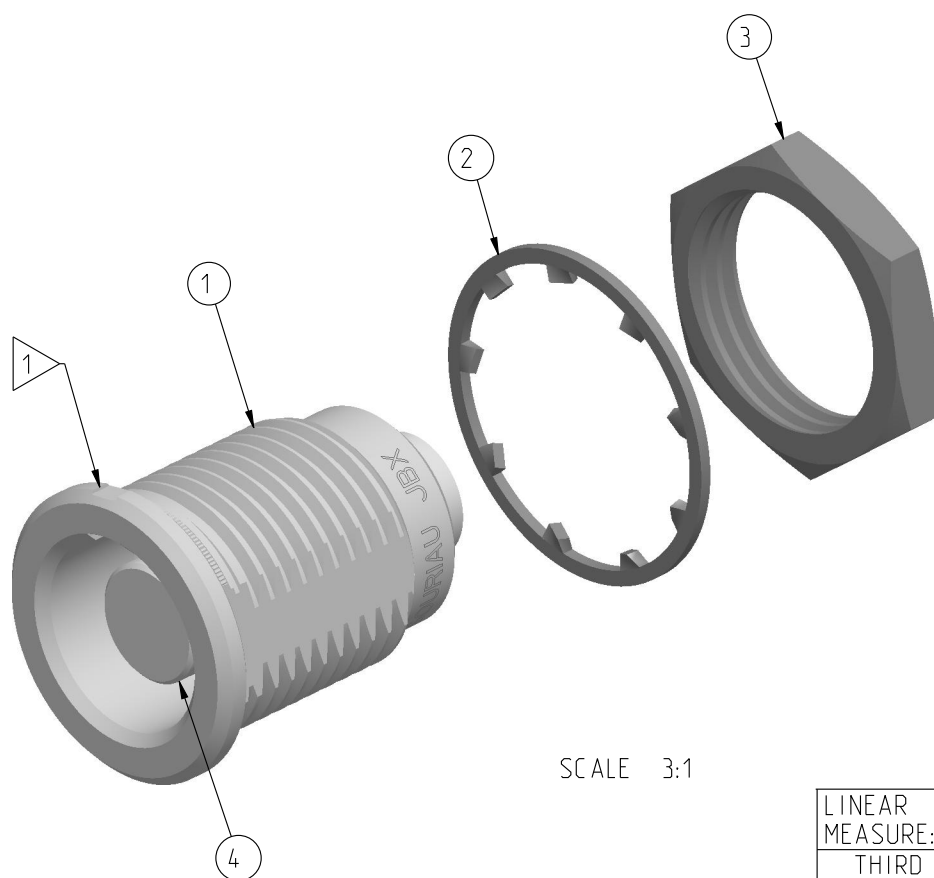
SEE INSULATOR DRAWING

OPTION

INSERT MATERIAL

COLLET OPTION

SURFACE PLATING



ORIGIN	COUNTRY	JURISDICTION	CLASSIFICATION
X	FR	Not listed	N/A
	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			

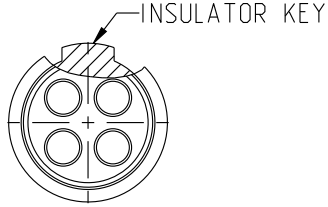
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DWG. NO.
JBX1INSFPC

FEMALE INSULATOR, STRAIGHT PCB 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	0.7	0.7	0.7
	MAX. AWG	-	-	-
	MAX. CURRENT RATING (A)	15	15	10
INSULATOR	CONTACT RESISTANCE (mΩ)	3	3	3.5
	NUMBER OF CAVITY	2	3	4
	MAX. CURRENT RATING	15	12	9
	TEST VOLTAGE (Vrms)	1600	1300	1900
WORKING VOLTAGE (Vdc/Vrms)		760/530	600/420	900/630



CATALOG NUMBER DESCRIPTION

JBXXX 1 X YY F P XXXX

BASIC SERIES

SHELL TYPE

SHELL SIZE

KEYING

CONTACT LAYOUT

OPTION

INSERT MATERIAL

COLLET OPTION

SURFACE PLATING

CONTACT TERMINATION

CONTACT TYPE

CONTACT TYPE : F (FEMALE)
CONTACT TERMINATION : P (PCB)
MATERIAL :
CONTACT: CUPRO NICKEL
INSULATOR: PEEK
FINISH :
CONTACTS: GOLD

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, PCB CONTACT

CAT NO.

JBX1INSFP

CAGE NO: 09922

SIZE: B

CUSTOMER

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

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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
JBX1INSFPC		B
1 OF 3		

ORIGIN	COUNTRY	JURISDICTION	CLASSIFICATION
X	FR	Not listed	N/A
	US	EAR	ECCN =EAR99
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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°

B

A

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DWG. NO.
JBX11NSFPC

CONTACT LAYOUT		06	07	08	10	12
FRONT SIDE VIEW						
REAR SIDE VIEW						
CONTACT						
ISO VIEW						
CONTACT INSULATOR	ØC	0.7	0.7	0.7	0.5	0.5
	ØF	0.5	0.5	0.5	0.5	0.5
	MAX. AWG	-	-	-	-	-
	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
	WORKING VOLTAGE (Vdc/Vrms)	660/460	660/460	600/420	300/200	170/120

LINEAR MEASURE:

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]
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ANGLES±1°

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DRAWING TITLE

JBX, SIZE 1, FEMALE INSULATOR, PCB CONTACT

CAT NO.

JBX11NSFP

CAGE NO: 09922

SIZE: B

CUSTOMER

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

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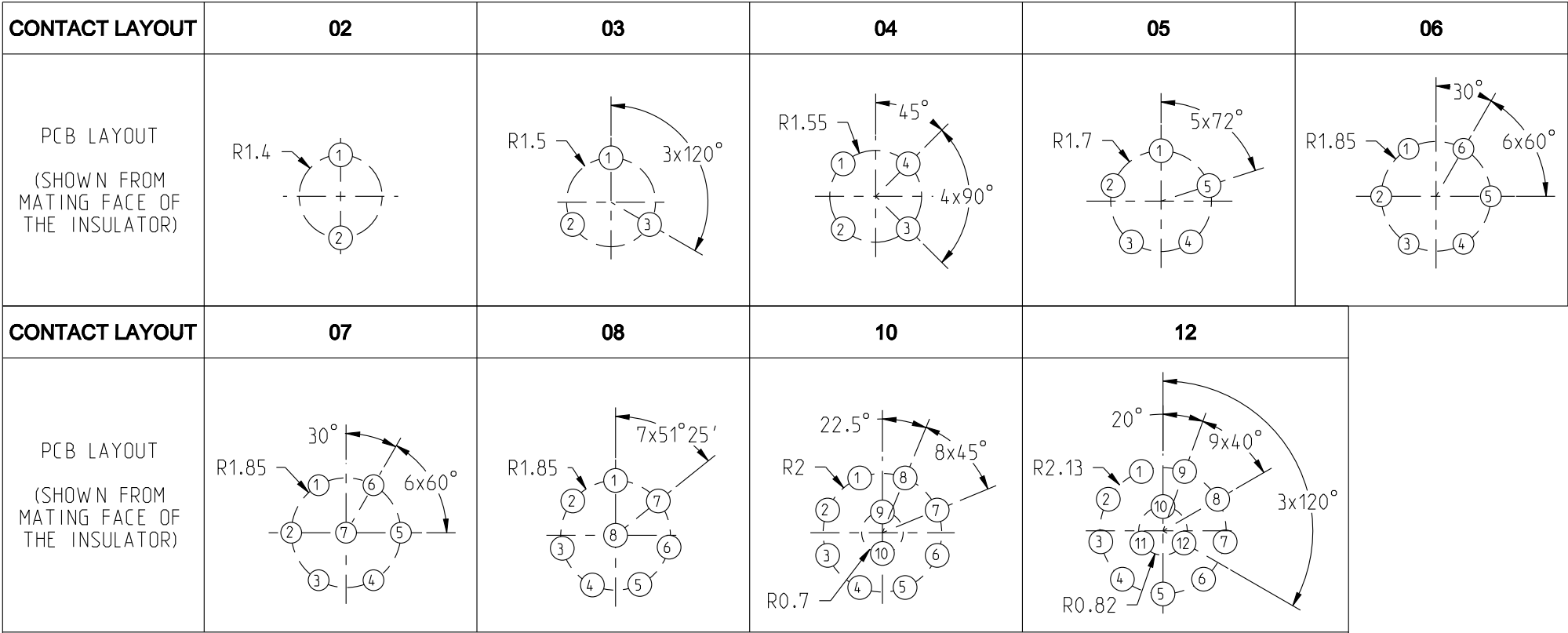
APPROVAL

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
JBX11NSFPC		B
2 OF 3		

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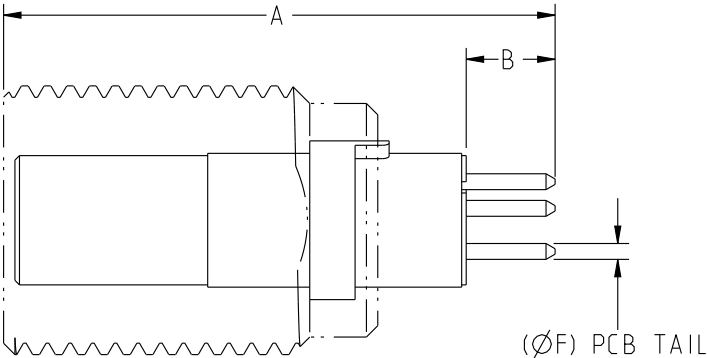
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DWG. NO.
JBX1INSFPC



1. ALL DIMENSIONS ARE ±0.05
2. SEE TABLE FOR RECOMMENDED FINISHED PCB HOLE SIZE.

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



SAMPLE ASSEMBLY FOR INFORMATION

LAYOUT	02	03	04	05	06	07	08	10	12
A	24.3							24.0	
B	3.9							5.1	

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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°			

DRAWING TITLE

JBX, SIZE 1, FEMALE INSULATOR, PCB CONTACT

CAT NO.

JBX1INSFP

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
JBX1INSFPC		B
3 OF 3		