

ELECTRICAL:

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

ENVIRONMENTAL:

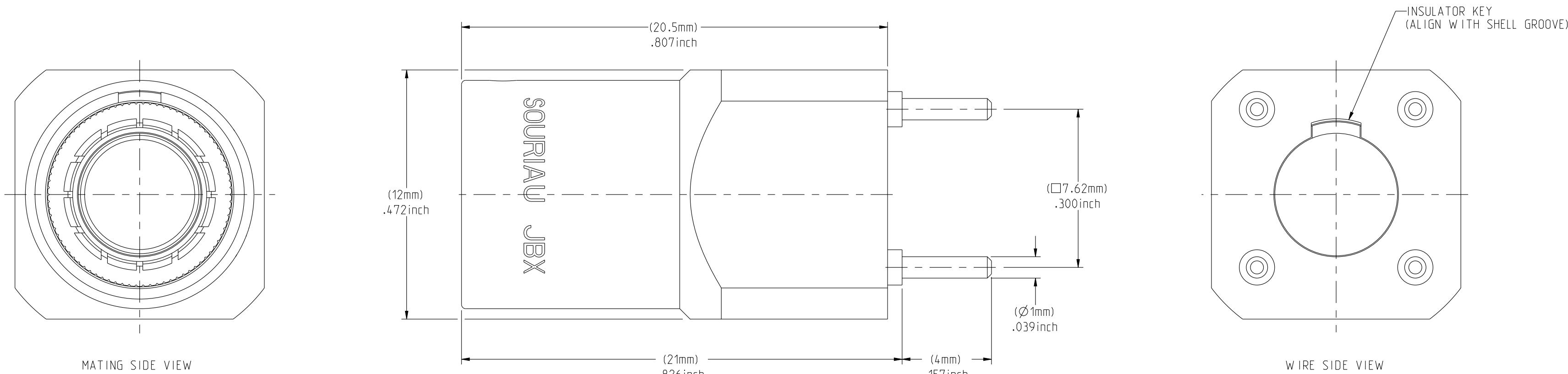
SHOCK: 50 g , DURATION 6 ms; AS PER MIL-STD 1344A, METHOD 2004.1

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

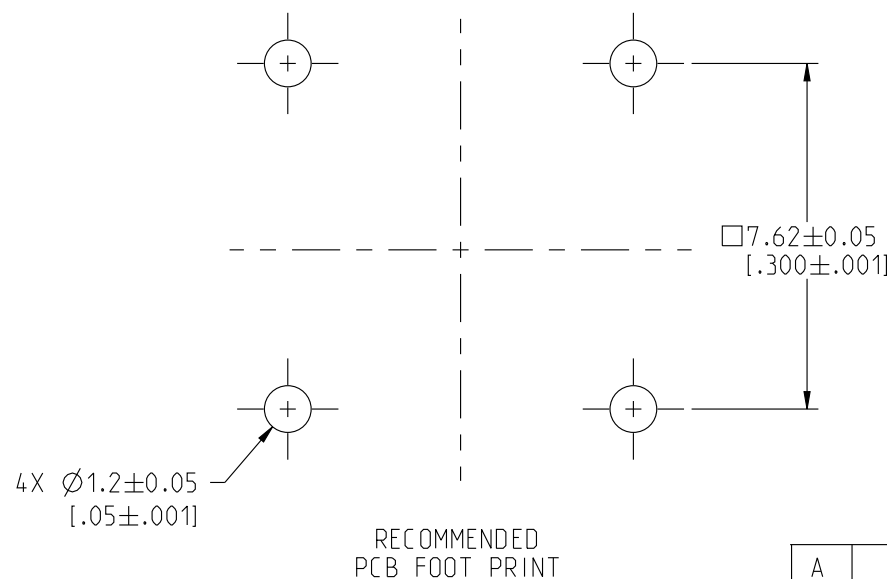
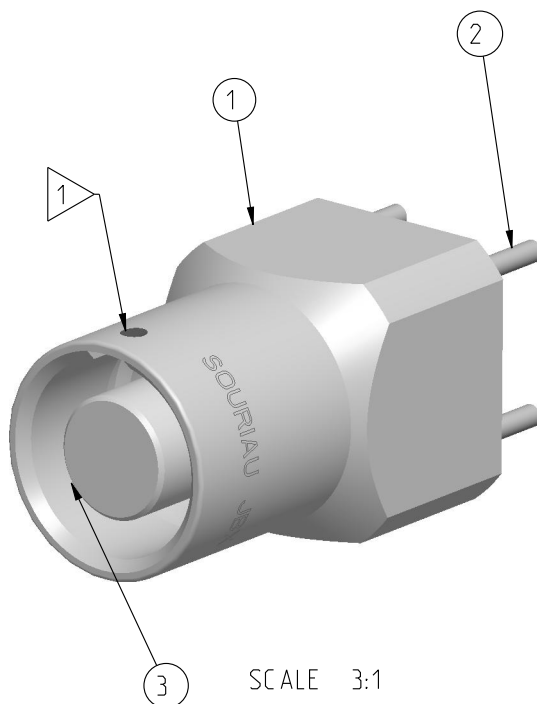
PROTECTION INDEX: IP 40 AS PER CEI 529

ROHS COMPLIANT

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



PART LIST	
ITEM NO.	DESCRIPTION
1	SHELL
2	MOUNTING PIN
3	INSULATOR



A	RELEASED PER ECN 12258	SKV 06-10-15	EV 06-10-15
REV	DESCRIPTION	BY DATE	CHKD DATE

CATALOG NUMBER DESCRIPTION

JBX EZ 1 XXXXXX DXR

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.	± 0.5 [$\pm .02$]
ONE PLACE	± 0.2 [$\pm .008$]
TWO PLACES	± 0.1 [$\pm .004$]
ANGLES $\pm 1^\circ$	

DRAWING TITLE			
JBX, SIZE 1, RECEPTACLE FOR PCB			
CAT NO.			
JBXEZ1			
CAGE NO: 09922	SIZE: C		APPROVAL DRAWN: SKV 01-21-15 CHKD : EV 01-21-15 DSGN : EV 01-21-15 MFG : DH 01-21-15 QC : BB 01-21-15 DRAWING SCALE: 6:1 DRAWING NO. REV JBXEZIC A 1 OF 1
CUSTOMER	SOURIAU www.souriau.com		
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.			

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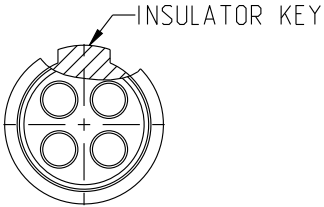
DWG. NO.
JBX1INSFPC

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

CONTACT TYPE : F (FEMALE)
CONTACT TERMINATION : P (PCB)

MATERIAL :
CONTACT: CUPRO NICKEL
INSULATOR: PEEK
FINISH :
CONTACTS: GOLD



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

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.

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
JBX1INSFPC		B
1 OF 3		

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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°

B

A

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DWG. NO.
JBX1INSFPC

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	0.5	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
INSULATOR	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

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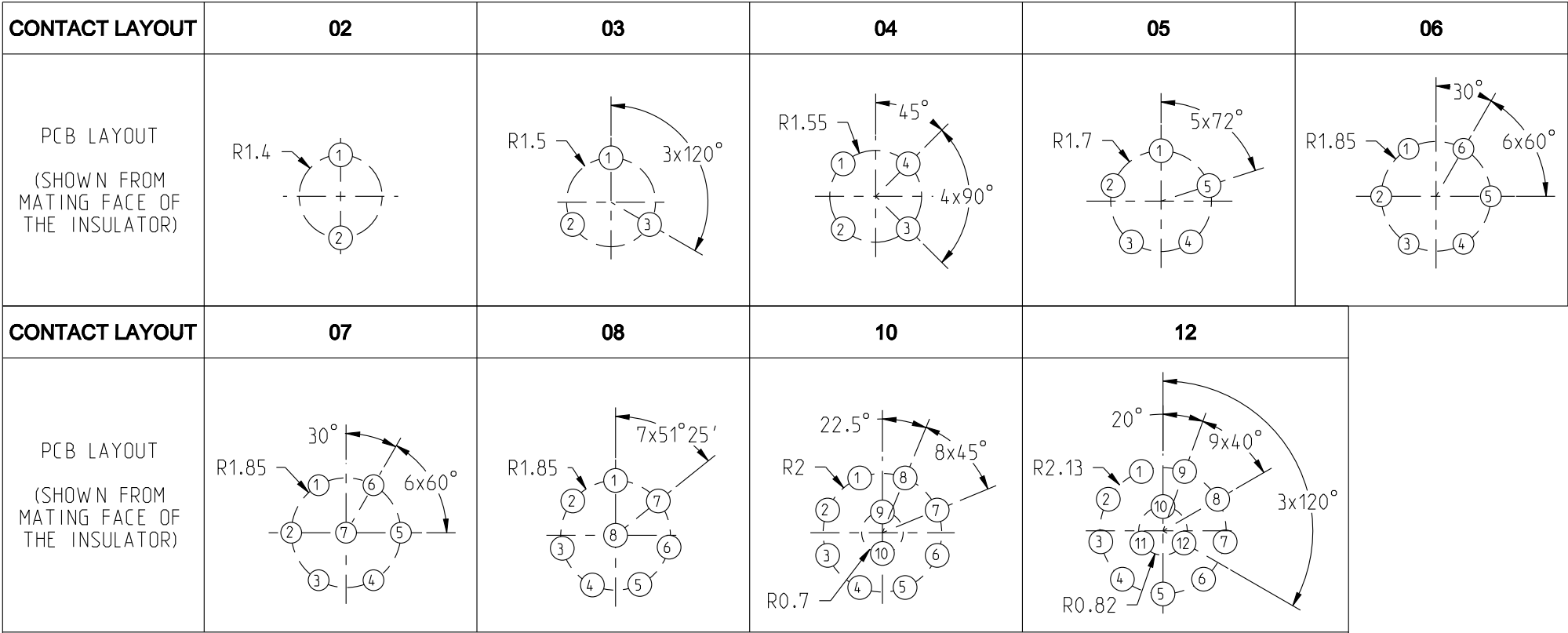
LINEAR MEASURE:			mm (INCH)
THIRD ANGLE PROJECTION			
TOLERANCES UNLESS OTHERWISE SPECIFIED			
No. OF PLACES	mm [INCH]		
ONE PLACE	±3 [±.1]		
TWO PLACES	±0.5 [±.02]		
THREE PLACES	±0.25 [±.010]		
ANGLES ±1°			

DRAWING TITLE				
JBX, SIZE 1, FEMALE INSULATOR, PCB CONTACT				
CAT NO.				
JBX1INSFP				
CAGE NO: 09922	SIZE: B		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
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.	WWW.SOURIAU.COM	DRAWING SCALE: NA		
		DRAWING NO.	REV	
		JBX1INSFPC	B	
2 OF 3				

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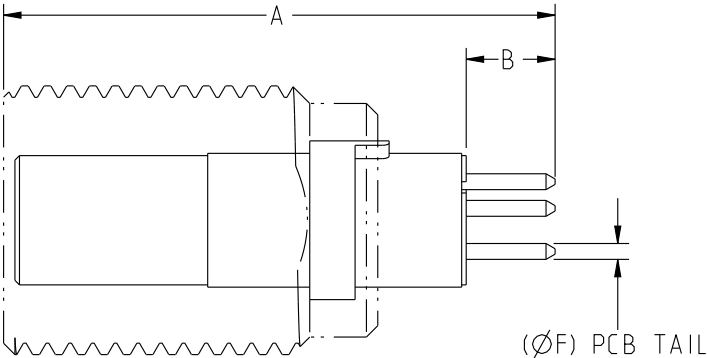
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DWG. NO.
JBX1INSFPC



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:
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

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
3 OF 3		