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DWG. NO.
JBXEZ0C

MASS (g)	VOLUME (mm 3)
7.6	1169

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 40 AS PER CEI 529
ROHS COMPLIANT	
SALT MIST :	48Hr PER SAE AS 1344 METHOD 1001.1 CEI 529
OPERATING TEMPERATURE:	-55°C TO +125°C (-67°F TO +257°F)

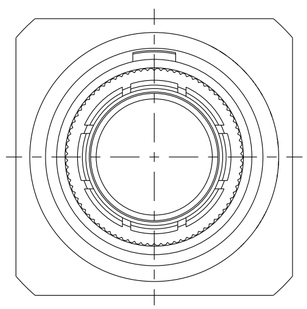
NOTES:
1. RED DOT

MATERIAL:

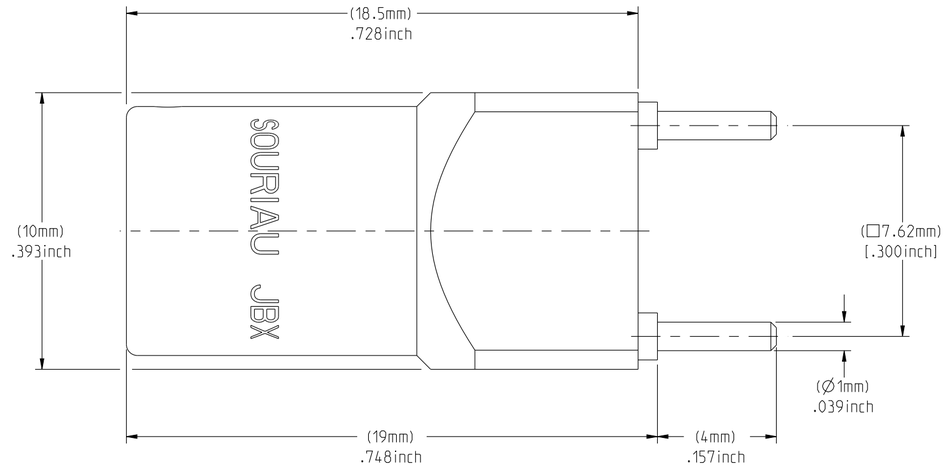
OUTER SHELL & SHIELD RING :	BRASS

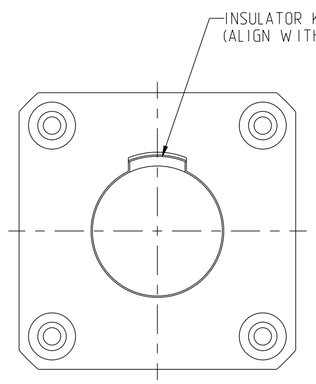
FINISH:

OUTER SHELL :	CHROME
OTHER BRASS PARTS :	NICKEL



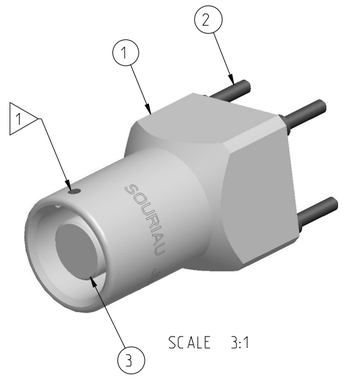
MATING SIDE VIEW



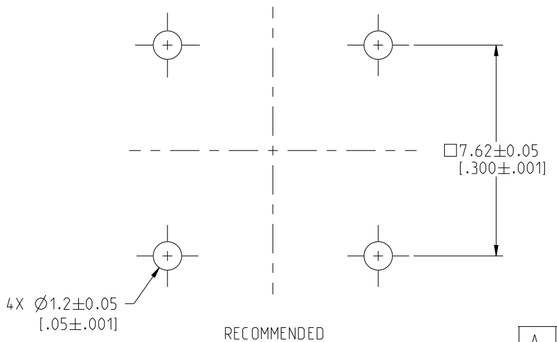


WIRE SIDE VIEW

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



SCALE 3:1



RECOMMENDED
PCB FOOT PRINT

CATALOG NUMBER DESCRIPTION

JBX EZ 0 *XXXXXXDXR*

- **BASIC SERIES**
- **SHELL TYPE**
- **SHELL SIZE**
- *KEYING*
- *SEE INSULATOR DRAWING*
- *SURFACE PLATING*
- *COLLET OPTION*
- *INSERT MATERIAL*
- *OPTION*

ORIGIN	COUNTRY	JURISDICTION	CLASSIFICATION
X	FR	Not listed	N/A
	US	EAR	ECCN =EAR99
		These commodities, technology or software are exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited	

LINEAR MEASURE:	mm (INCH) 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°	

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

DRAWING TITLE
JBX, SIZE 0, RECEPTACLE FOR PCB

CAT NO.
JBXEZ0

CAGE NO: 09922 | SIZE: C

CUSTOMER

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

SOURIAU
www.souriau.com

APPROVAL		
DRAWN:	SKV	01-08-15
CHKD :	EV	01-08-15
DSGN :	EV	01-08-15
MFG :	DH	01-08-15
QC :	BB	01-08-15

DRAWING SCALE: 6:1

DRAWING NO.	REV
JBXEZ0C	A

1 OF 1

PRO-E

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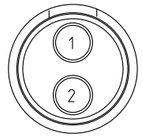
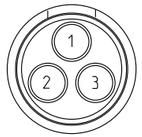
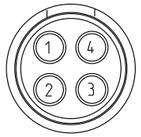
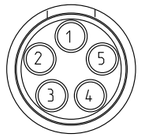
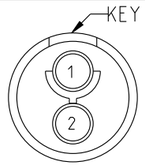
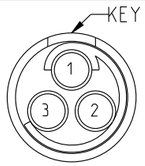
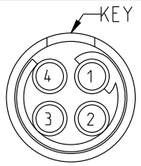
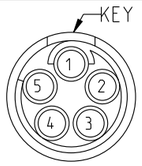
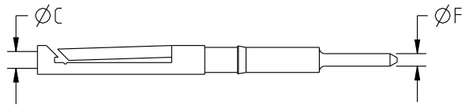
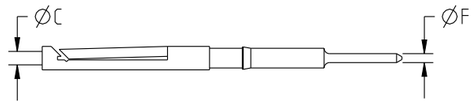
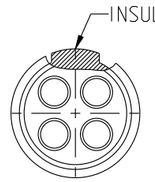
DWG. NO.
JBX0INSFPC

FEMALE INSULATOR, STRAIGHT PCB CONTACT

CONTACT LAYOUT		02	03	04	05
FRONT SIDE VIEW					
REAR SIDE VIEW					
CONTACT					
ISO VIEW					
CONTACT	ØC	0.9	0.9	0.7	0.7
	ØF	0.7	0.7	0.5	0.5
	MAX. AWG	-	-	-	-
	MAX. CURRENT RATING (A)	10	10	7	7
	CONTACT RESISTANCE (mΩ)	3.5	3.5	5	5
INSULATOR	NUMBER OF CAVITY	2	3	4	5
	MAX. CURRENT RATING	10	8	7	6.5
	TEST VOLTAGE (Vrms)	1400	1300	1350	800
	WORKING VOLTAGE (Vdc/Vrms)	660/460	600/420	600/460	400/260



CONTACT TYPE : F (FEMALE)

CONTACT TERMINATION : P (PCB)

MATERIAL:

CONTACT: CUPRO NICKEL

INSULATOR: PEEK

FINISH:

CONTACTS: GOLD

CATALOG NUMBER DESCRIPTION

JBXXX **0** *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**

REV	DESCRIPTION	BY DATE	CHKD DATE
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

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]
ONE PLACE	±3 [±.1]
TWO PLACES	±0.5 [±.02]
THREE PLACES	±0.25 [±.010]

ANGLES ±1°

DRAWING TITLE

JBX, SIZE 0, FEMALE INSULATOR, PCB CONTACT

CAT NO.

JBX0INSFP

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
JBX0INSFPC	B

1 OF 3

PRO-E

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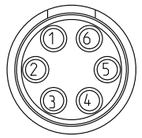
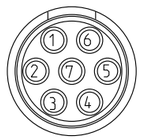
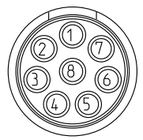
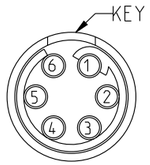
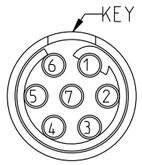
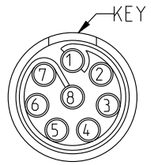
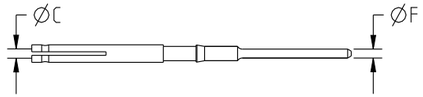
DWG. NO.
JBX0INSFPC

CONTACT LAYOUT		06	07	08
FRONT SIDE VIEW				
REAR SIDE VIEW				
CONTACT				
ISO VIEW				
CONTACT	ØC	0.5	0.5	0.5
	ØF	0.5	0.5	0.5
	MAX. AWG	-	-	-
	MAX. CURRENT RATING (A)	5	5	5
	CONTACT RESISTANCE (mΩ)	10	10	10
INSULATOR	NUMBER OF CAVITY	6	7	8
	MAX, CURRENT RATING	2.5	2.5	2
	TEST VOLTAGE (Vrms)	680	680	680
	WORKING VOLTAGE (Vdc/Vrms)	320/220	320/220	190/130

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]
ONE PLACE	±3 [±.1]
TWO PLACES	±0.5 [±.02]
THREE PLACES	±0.25 [±.010]
ANGLES	±1°

DRAWING TITLE
JBX, SIZE 0, FEMALE INSULATOR, PCB CONTACT

CAT NO.
JBX0INSFP

CAGE NO: 09922 | SIZE: B

CUSTOMER

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

SOURIAU
WWW.SOURIAU.COM

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
JBX0INSFPC	B

2 OF 3

PRO-E

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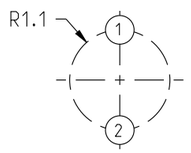
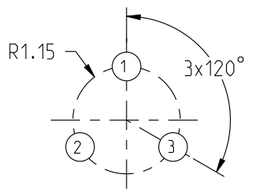
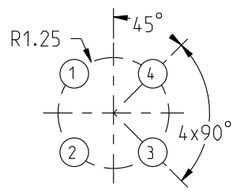
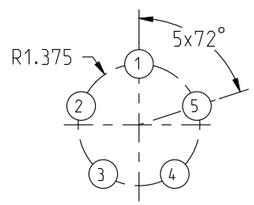
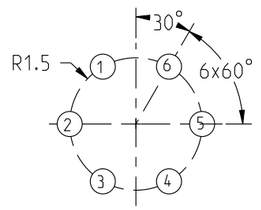
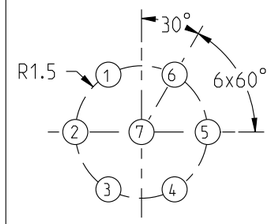
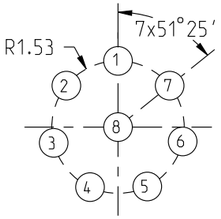
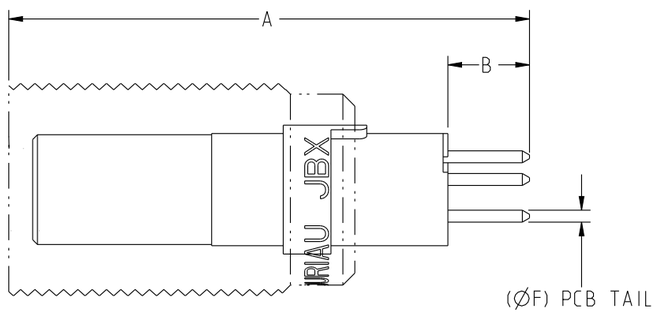
DWG. NO.
JBX0INSFPC

CONTACT LAYOUT	02	03	04	05	06	07	08
PCB LAYOUT (SHOWN FROM MATING FACE OF THE INSULATOR)							

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

TABLE 1	
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
A	21.8				21.6		
B	3.4				5.4		

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]
ONE PLACE	±3 [±.1]
TWO PLACES	±0.5 [±.02]
THREE PLACES	±0.25 [±.010]

ANGLES±1°

DRAWING TITLE
JBX, SIZE 0, FEMALE INSULATOR, PCB CONTACT

CAT NO.
JBX0INSFP

CAGE NO: 09922 | SIZE: B

CUSTOMER

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

SOURIAU
WWW.SOURIAU.COM

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
JBX0INSFPC	B

3 OF 3

PRO-E

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Mouser Electronics

Authorized Distributor

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Souriau:

JBXEZ0G02FPSDSR JBXEZ0G03FPSDSR JBXEZ0G04FPSDSR JBXEZ0G05FPSDSR