

W.G. NO. **JBXFH2C**

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

PHYSICAL:

MAXIMUM WIRE SIZE USED : SEE INSULATOR DRAWING

CABLE DIAMETER WITH PLASTIC COLLET SET SUPPLIED: Ø3.5mm MIN. TO Ø9.7mm MAX.

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:

WITH PLASTIC COLLETS: -40°C TO +80°C (-40°F TO +176°F)

NOTES:

1 ▷ RED DOT.

MATERIAL:

OUTER SHELL & BACK NUT : } BRASS

LATCHING SLEEVE

HALF BUSHES : }

COLLET : RUBBER

FINISH:

OUTER SHELL & BACK NUT : CHROME

OTHER BRASS PARTS : NICKEL

TOOLS

RECEPTACLE SHELL GROOVE (ALIGNED WITH RED DOT)

HALF BUSH KEY (ALIGN WITH SHELL GROOVE)

WIRE SIDE VIEW

(ASSEMBLED VIEW FOR INFORMATION ONLY)

COLLET SET SCALE 4:5

PART LIST

ITEM NO.	DESCRIPTION
1	SLEEVE
2	HALF BUSH WITH WINDOW
3	HALF BUSH WITHOUT WINDOW
4	INSULATOR
5	Ø3.5-Ø9.7 CABLE COLLET (CHOOSE PER CABLE SIZE)
6	STANDARD BACK NUT
6a	BACK NUT FOR PROTECTIVE BOOT (OPTIONAL)

CATALOG NUMBER DESCRIPTION

JBX FH 2 XXXXXXDXX

BASIC SERIES

SHELL TYPE

SHELL SIZE

KEYING

SEE INSULATOR DRAWING

OPTION

INSERT MATERIAL

COLLET OPTION

SURFACE PLATING

ORIGIN

COUNTRY

JURISDICTION

CLASSIFICATION

LINEAR MEASURE:

THIRD ANGLE PROJECTION

TOLERANCES UNLESS OTHERWISE SPECIFIED

No. OF PLACES

WHOLE No.

ONE PLACE

TWO PLACES

ANGLES

APPROVAL

DRAWN:

CHKD :

DSGN :

MFG :

QC :

DRAWING SCALE:

DRAWING NO.

JBXFH2C

REV

RELEASED PER ECN 12280

DESCRIPTION

DATE

BY

CHKD

DATE

DRAWING TITLE

JBX, SIZE 2, SEALED STRAIGHT PLUG

JBXFH2

CAGE NO:

SIZE:

CUSTOMER

SOURIAU

www.souriau.com

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

1 OF 1

PRO-ENGINEERING

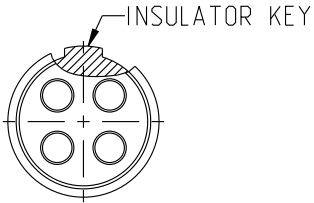
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MALE INSULATOR, SOLDER CONTACT

DWG. NO.
JBX2INSMSC

CONTACT LAYOUT		02	03
CONTACT	FRONT SIDE VIEW		
	REAR SIDE VIEW		
	CONTACT		
	ISO VIEW		
CONTACT	ØC	2	1.6
	ØF	1.9	1.5
	MAX. AWG	16	18
	MAX. CURRENT RATING (A)	30	17
	CONTACT RESISTANCE (mΩ)	2.5	2.5
INSULATOR	NUMBER OF CAVITY	2	3
	MAX. CURRENT RATING	30	17
	TEST VOLTAGE (Vrms)	2100	1700
	WORKING VOLTAGE (Vdc/Vrms)	1000/700	830/560



CONTACT TYPE : M (MALE)
CONTACT TERMINATION : S (SOLDER)

MATERIAL :
CONTACT: BRASS
CLIP: COPPER ALLOY
INSULATOR: PEEK
FINISH:
CONTACTS: GOLD

CATALOG NUMBER DESCRIPTION

JBXXX 2 XYYMS 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 2, MALE INSULATOR, SOLDER CONTACT			
CAT NO. JBX2INSMS			
CAGE NO: 09922		SIZE: B	
CUSTOMER		SOURIAU	
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.		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 JBX2INSMSC B 1 OF 3	

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°	

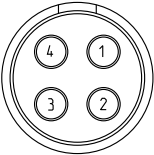
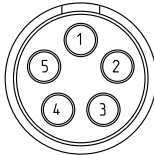
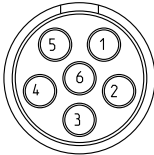
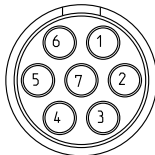
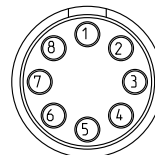
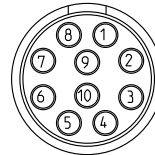
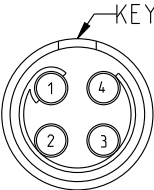
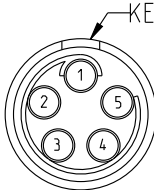
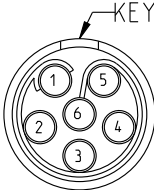
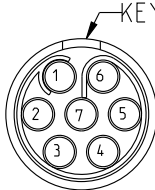
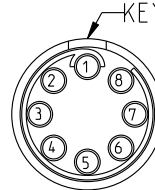
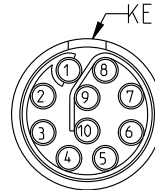
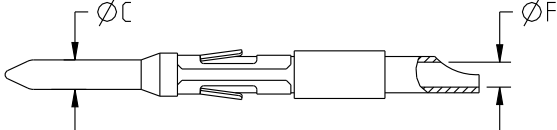
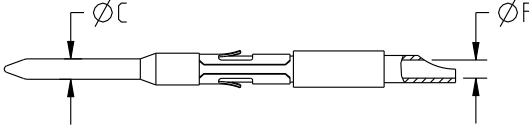
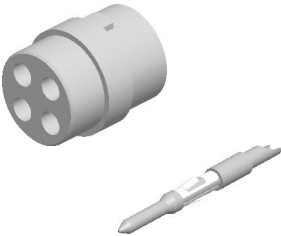
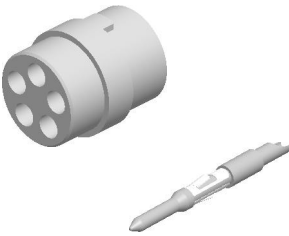
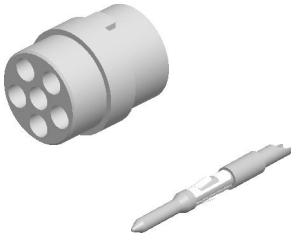
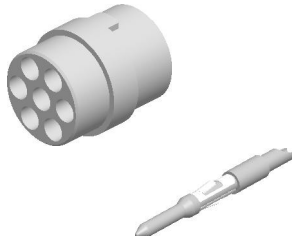
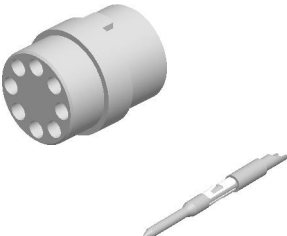
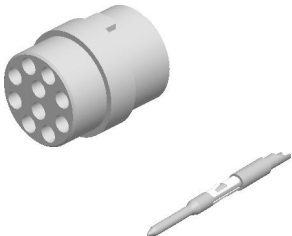
B

A

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DWG. NO.
JBX2INSMSC

CONTACT LAYOUT		04	05	06	07	08	10
FRONT SIDE VIEW							
REAR SIDE VIEW							
CONTACT							
ISO VIEW							
CONTACT	ØC	1.3	1.3	1.3	1.3	0.9	0.9
	ØF	1.1	1.1	1.1	1.1	0.8	0.8
	MAX. AWG	20	20	20	20	24	24
	MAX. CURRENT RATING (A)	15	15	15	15	10	10
	CONTACT RESISTANCE (mΩ)	3	3	3	3	3.5	3.5
INSULATOR	NUMBER OF CAVITY	4	5	6	7	8	10
	MAX. CURRENT RATING	15	14	12	11	10	8
	TEST VOLTAGE (Vrms)	2400	1900	1900	1500	1700	1700
	WORKING VOLTAGE (Vdc/Vrms)	1000/700	900/630	900/630	730/500	830/560	830/560

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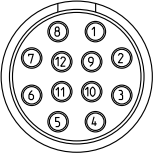
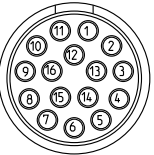
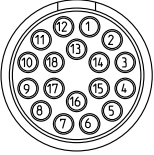
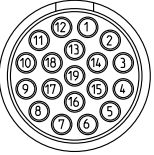
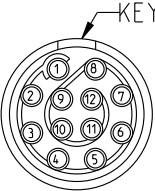
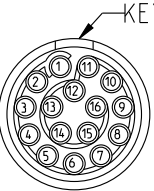
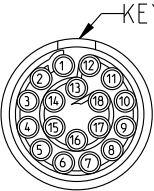
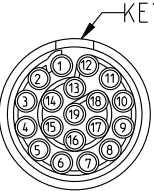
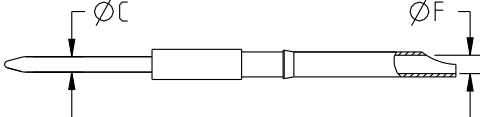
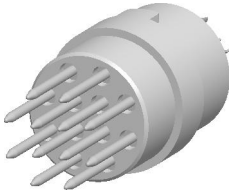
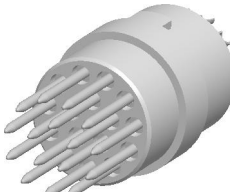
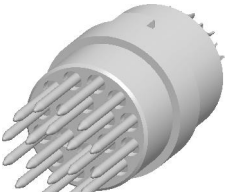
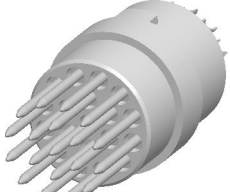
LINEAR MEASURE:			mm (INCH)
THIRD ANGLE PROJECTION			
TOLERANCES UNLESS OTHERWISE SPECIFIED			
No. OF PLACES	mm [INCH]		
ONE PLACE	±3 [±.1]		
TWO PLACES	±0.5 [±.02]		
THREE PLACES	±0.25 [±.010]		
ANGLES±1°			

DRAWING TITLE			
JBX, SIZE 2, MALE INSULATOR, SOLDER CONTACT			
CAT NO.			
JBX2INSMS			
CAGE NO: 09922		SIZE: B	
CUSTOMER		SOURIAU	
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.		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
JBX2INSMSC			B
2 OF 3			

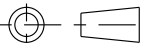
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DWG. NO.
JBX2INSMSC

CONTACT LAYOUT	12	16	18	19
FRONT SIDE VIEW				
REAR SIDE VIEW				
CONTACT				
ISO VIEW				
CONTACT	ØC	0.7	0.7	0.7
	ØF	0.81	0.81	0.81
	MAX. AWG	22	22	22
	MAX. CURRENT RATING (A)	7	7	7
	CONTACT RESISTANCE (mΩ)	5	5	5
INSULATOR	NUMBER OF CAVITY	12	16	18
	MAX. CURRENT RATING	7	6	5
	TEST VOLTAGE (Vrms)	1700	1500	1400
	WORKING VOLTAGE (Vdc/Vrms)	830/560	730/500	660/460

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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 2, MALE INSULATOR, SOLDER CONTACT						
CAT NO.						
JBX2INSMS						
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	
					JBX2INSMSC B	
					3 OF 3	

B

A

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