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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 :
LATCHING SLEEVE
HALF BUSHES : } BRASS

COLLET : RUBBER

FINISH:

OUTER SHELL & BACK NUT : CHROME

OTHER BRASS PARTS : NICKEL

T TOOLS

RECEPTACLE SHELL GROOVE
(ALIGNED WITH RED DOT)

HALF BUSH KEY
(ALIGN WITH SHELL GROOVE)

MATING SIDE VIEW

WIRE SIDE VIEW

1 2

(40mm)
1.6inch

(52mm)
2inch

Ø16mm
.6inch

SOURIAU JBX

(ASSEMBLED VIEW FOR INFORMATION ONLY)

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)

1 2 3 4 5 6 6a

HALF BUSH KEY
(ALIGN WITH RED DOT)

INSULATOR KEY
(ALIGN WITH HALF BUSH WINDOW)

SCALE 3:2

COLLET SET
SCALE 4:5

TOOLS (JAW DIMENSION)	ADVISED TORQUE IN Nm
T1	13
T2	14

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

ANGLES±1°

CAT NO.

CAGE NO: 09922

SIZE: C

CUSTOMER

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

JBX, SIZE 2, SEALED STRAIGHT PLUG

JBXFH2

SOURIAU

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APPROVAL

DRAWN: TJS	05-08-15
CHKD : EV	05-08-15
DSGN : EV	05-08-15
MFG : DH	05-08-15
QC : BB	05-08-15
DRAWING SCALE: 4:1	
DRAWING NO.	REV
JBXFH2C	A

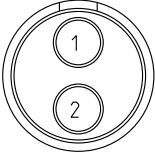
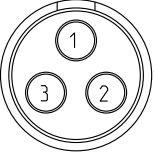
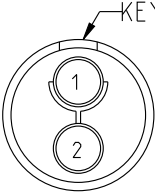
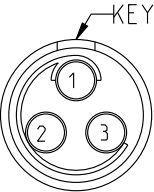
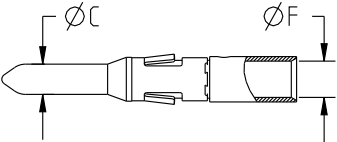
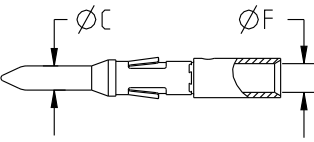
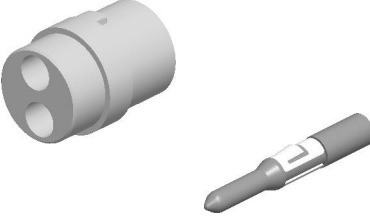
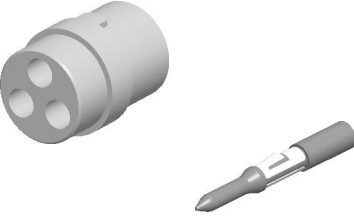
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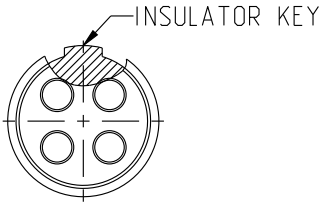
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MALE INSULATOR, CRIMP CONTACT

DWG. NO.
JBX2INSMCC

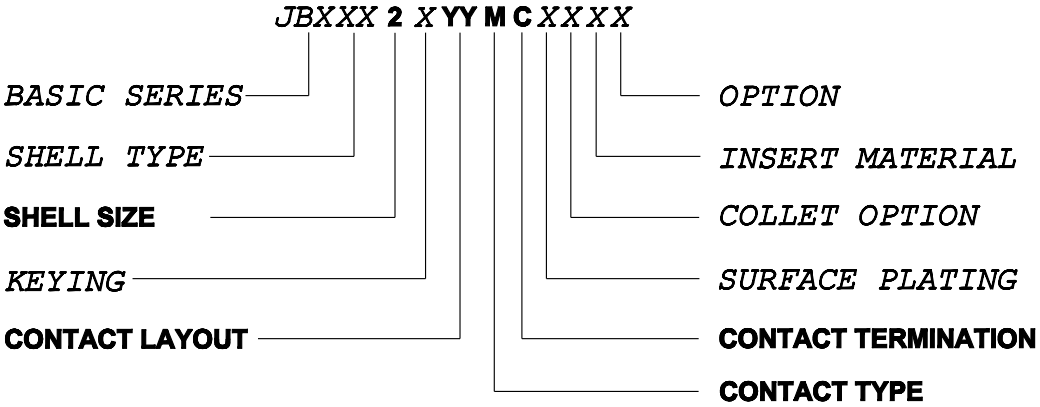
CONTACT LAYOUT		02	03
FRONT SIDE VIEW			
REAR SIDE VIEW			
CONTACT			
ISO VIEW			
CONTACT	ØC	2	1.6
	ØF	2.4	1.9
	MAX. AWG	12	14
	MAX. CURRENT RATING (A)	30	17
INSULATOR	CONTACT RESISTANCE (mΩ)	2.5	2.5
	NUMBER OF CAVITY	2	3
	MAX. CURRENT RATING	30	17
	TEST VOLTAGE (Vrms)	2100	1700
WORKING VOLTAGE (Vdc/Vrms)		1000/700	830/560



CONTACT TYPE : M (MALE)
CONTACT TERMINATION : C (CRIMP)

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

CATALOG NUMBER DESCRIPTION



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, CRIMP CONTACT

CAT NO.
JBX2INSMC

CAGE NO: 09922SIZE: B

CUSTOMER

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

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.
JBX2INSMCC

REV
B

1 OF 3

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PRO-E

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

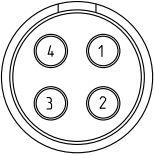
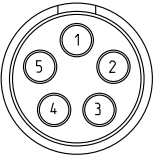
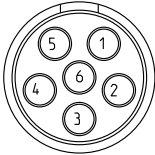
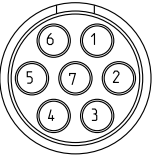
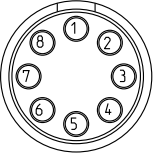
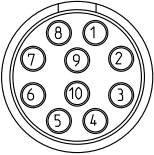
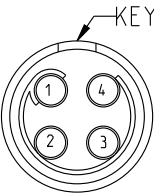
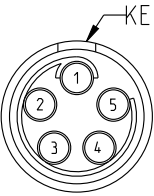
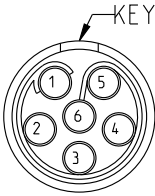
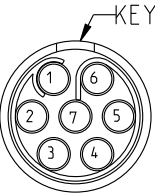
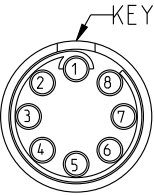
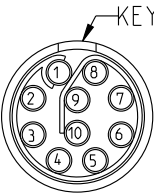
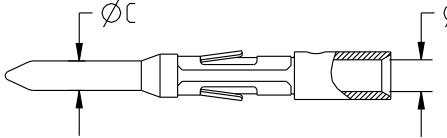
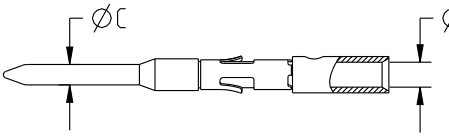
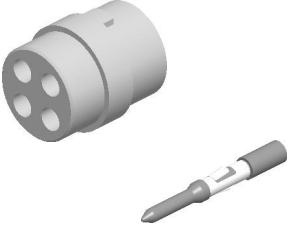
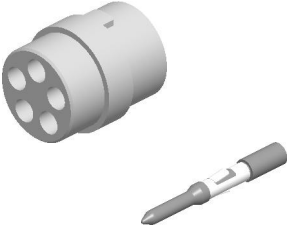
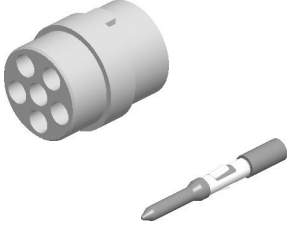
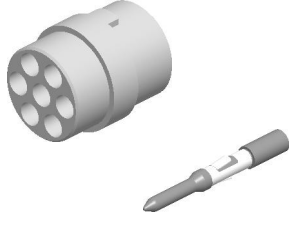
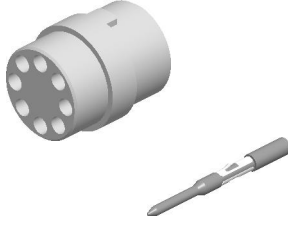
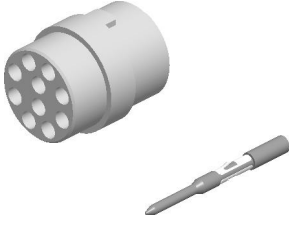
±0.25 [±.010]

ANGLES±1°

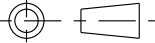
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DWG. NO.
JBX2INSMCC

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	1.4	1.4	1.4	1.4	1.1	1.1
	MAX. AWG	18	18	18	18	20	20
	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

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°			

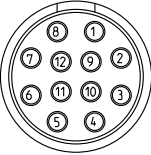
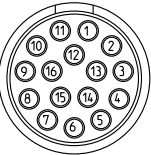
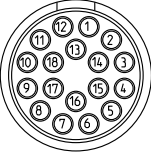
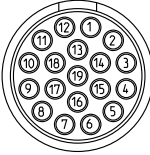
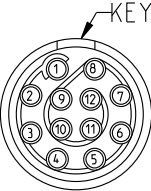
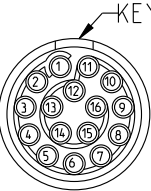
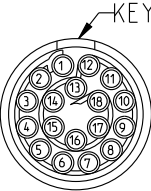
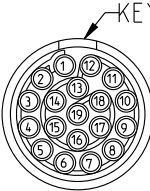
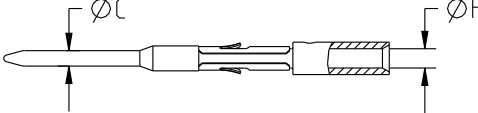
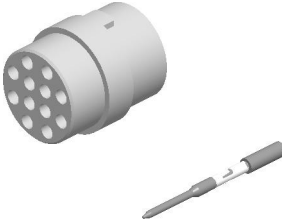
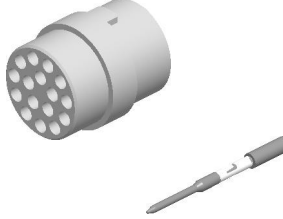
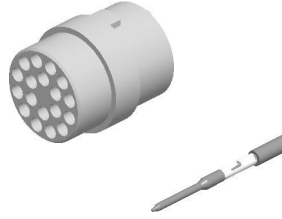
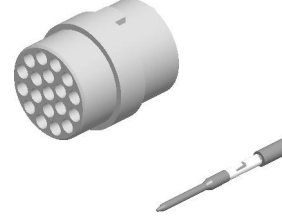
DRAWING TITLE			
JBX, SIZE 2, MALE INSULATOR, CRIMP CONTACT			
CAT NO.			
JBX2INSMC			
CAGE NO: 09922		SIZE: B	
CUSTOMER		SOURIAU	WWW.SOURIAU.COM
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.			2 OF 3

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
JBX2INSMCC			B

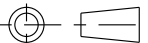
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DWG. NO.
JBX2INSMCC

CONTACT LAYOUT		12	16	18	19
FRONT SIDE VIEW					
REAR SIDE VIEW					
CONTACT					
ISO VIEW					
CONTACT	ØC	0.7	0.7	0.7	0.7
	ØF	0.85	0.85	0.85	0.85
	MAX. AWG	22	22	22	22
	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

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 2, MALE INSULATOR, CRIMP CONTACT						
CAT NO.						
JBX2INSMC						
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	
					JBX2INSMCC B	
					3 OF 3	

B

A

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[JBXFH2G02MCSDSMR](#)