

C.2: Validé

MASS ± 5% 11.71 g

Connector coding

Basic type	JMX	FH	1	G	XX	X	X	U	D	X	X	X
Shell type : FH Plug												
Shell size												
Keying : G												
Contact layout : SEE INSULATOR DRAWING												
Contact type : M (Male), F (Female)												
Contact style: S (solder), C (Crimp)												
Material												
Standard collet												
Back nut : S (standard, cable gland), M (boot), O (overmolded)												
Connector color coding												
(A)Blue, (P)Purple, (G)Grey, (J)Yellow, (M)Brown, (N)Black, (R)Red, (V)Green, (O)Orange, U(Uncolored)												
Packaging : Nothing : single packaging, B(Bulk) : 100pcs												

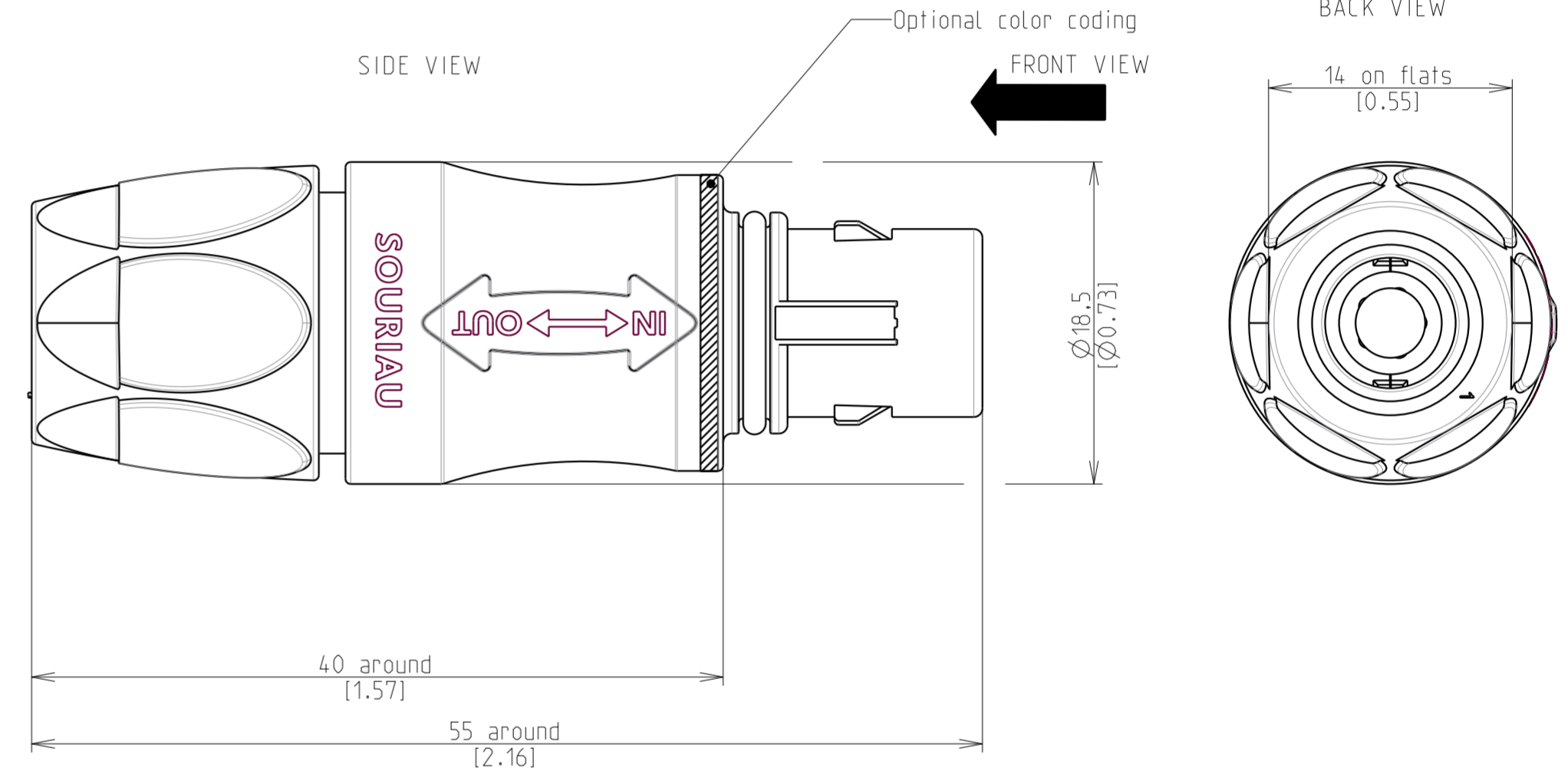
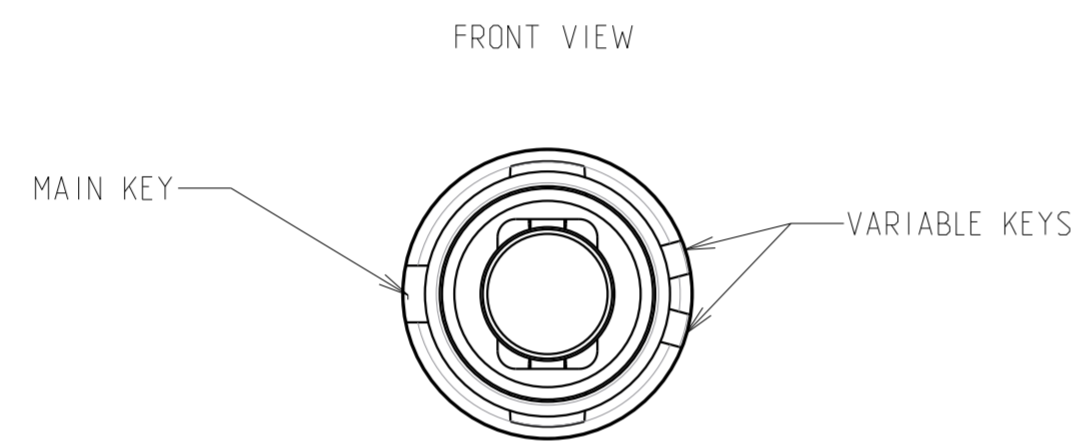
ELECTRICAL:
 INSULATION RESISTANCE : >500MΩ PER ANSI-EIA-364-D METHOD 21
 MAX. CURRENT RATING : SEE INSULATOR DRAWING
 CONNECTOR TESTING VOLTAGE : SEE INSULATOR DRAWING
 CONNECTOR WORKING VOLTAGE : SEE INSULATOR DRAWING

PHYSICAL:
 MAXIMUM WIRE SIZE USED : SEE INSULATOR DRAWING
 CABLE DIAMETER : 3.5mm MIN. TO 7.5mm MAX.

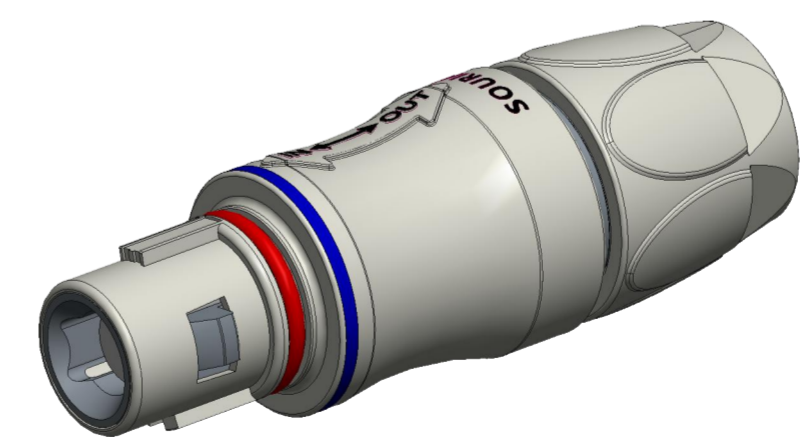
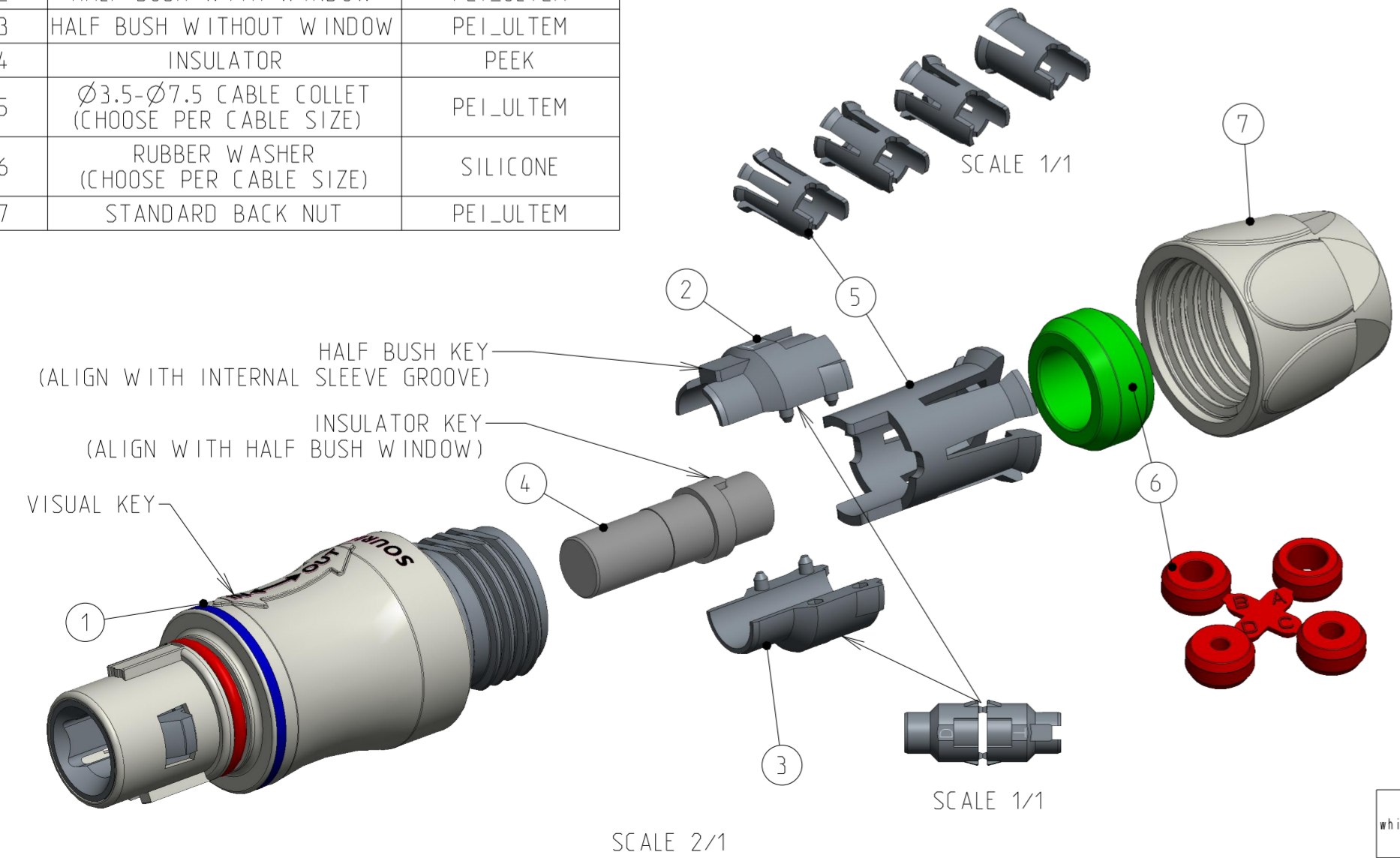
ENVIRONMENTAL:
 ENDURANCE : 2000 MATING CYCLES AS PER IEC 60512-5 test 9a
 SHOCK : Dropping height 750 mm [29.53] per IEC 60512 test 7b

PROTECTION INDEX:
 IP 68 AS PER IEC 60529 (IBAR DURING 1 WEEK)
 In mated condition
 IP 50 In unmated condition

ROHS & REACH COMPLIANT
 OPERATING TEMPERATURE : -40°C +125°C (-40°F +257°F)
 AUTOCLAVING : 200 CYCLES AS ISO 17665-1 (Short term +134°C / 273.2°F)
 BIOCOMPATIBILITY: ALL SHELL PEI_ULTEM PARTS to USP Class VI / ISO 10993



PART LIST		
ITEM NO.	DESCRIPTION	MATERIAL
1	SLEEVE	PEI_ULTEM
2	HALF BUSH WITH WINDOW	PEI_ULTEM
3	HALF BUSH WITHOUT WINDOW	PEI_ULTEM
4	INSULATOR	PEEK
5	Ø3.5-Ø7.5 CABLE COLLET (CHOOSE PER CABLE SIZE)	PEI_ULTEM
6	RUBBER WASHER (CHOOSE PER CABLE SIZE)	SILICONE
7	STANDARD BACK NUT	PEI_ULTEM



LINEAR MESURE : mm [inch]	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
No. OF PLACES	mm [INCH]
WHOLE No.	±0.5 [±0.02]
ONE PLACE	±0.2 [±0.008]
TWO PLACES	±0.1 [±0.004]
ANGLES ±1°	

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Country Jurisdiction & Control List
 FR NOT LISTED

P/N : SEE TABLE : CONNECTOR CODING

ISS	DATE	Correction of marking curves colors	MOD N°
	27/03/17	--	--
Designed by:	Q.LEBRETON Date:20/01/17		CUSTOMER DRAWING
TITLE	PLUG - STANDARD VERSION SIZE 1 WITH CABLE GLAND GAMME JMX		
Scale	7/5	General Linear Tolerances: SEE TABLE	NPRDS / PROJECT BE150710A
SOURIAU WWW.SOURIAU.COM		This document is the property of SOURIAU. It must not be reproduced or communicated without permission.	
FORMAT	A2	SOURIAU DRG N° C0002-PPP1-A	SHEET 1 / 1

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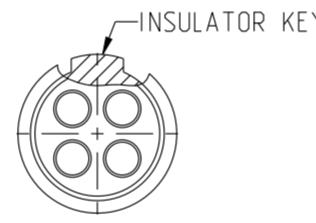
2

1

DWG. NO.
JBX11NSMCC

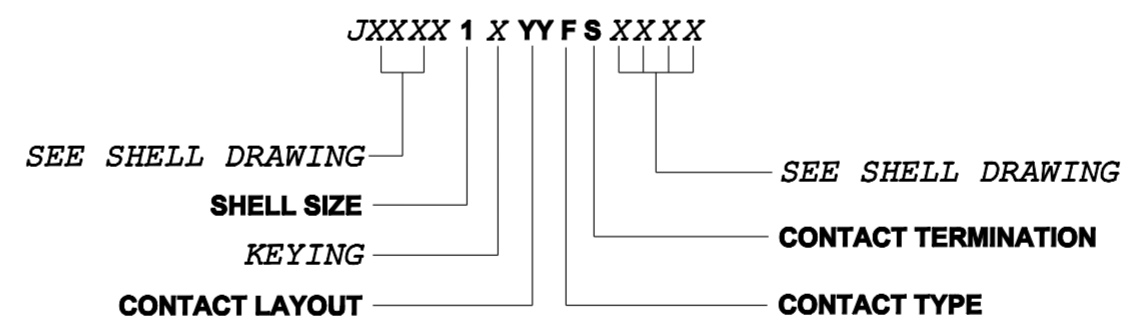
MALE INSULATOR, CRIMP CONTACT

CONTACT LAYOUT	02	03	04	05
FRONT SIDE VIEW				
REAR SIDE VIEW				
CONTACT				
ISO VIEW				



CONTACT TYPE : M (MALE)
CONTACT TERMINATION : C (CRIMP)
MATERIAL :
CONTACT: BRASS
CLIP: COPPER ALLOY
INSULATOR: PEEK
FINISH:
CONTACTS: GOLD

CATALOG NUMBER DESCRIPTION



CONTACT	ØC (mm)	1.3	1.3	0.9	0.9
	ØF (mm)	1.4	1.4	1.1	1.1
	MAX. AWG	18	18	20	20
	MAX. CURRENT RATING (A)	15	15	10	10
	CONTACT RESISTANCE (mΩ)	3	3	3.5	3.5
	NUMBER OF CAVITY	2	3	4	5
INSULATOR	MAX. CURRENT RATING (A)	10	9	8	7
	AIR CLEARANCE/CREEPAGE DISTANCE min (mm) (BETWEEN CONTACTS)	1.2	1	1	0.8
	TEST VOLTAGE (V)	1200	1100	1100	1100

C	REVISED PER ECN 13093	RSK 03-01-17	EV 03-01-17
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, MALE INSULATOR, CRIMP CONTACT

CAT NO. **JBX11NSMC**

CAGE NO: 09922	SIZE: B	APPROVAL	DRAWN: SKV 02-02-15
CUSTOMER	SOURIAU	WWW.SOURIAU.COM	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.		DRAWING SCALE: NA	DRAWING NO. REV
		JBX11NSMCC	C
		1 OF 2	

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°	

2

1

PRO-E

B

A

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1

DWG. NO.
JBX11NSMCC

CONTACT LAYOUT	06	07	08
FRONT SIDE VIEW			
REAR SIDE VIEW			
CONTACT			
ISO VIEW			

CONTACT	ØC (mm)	0.7	0.7	0.7
	ØF (mm)	0.85	0.85	0.85
MAX. AWG	22	22	22	
MAX. CURRENT RATING (A)	7	7	7	
CONTACT RESISTANCE (mΩ)	5	5	5	
INSULATOR	NUMBER OF CAVITY	6	7	8
	MAX. CURRENT RATING	6	5	5
AIR CLEARANCE/CREEPAGE DISTANCE min (mm) (BETWEEN CONTACTS)	0.75	0.75	0.54	
TEST VOLTAGE (V)	1000	1000	900	

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, MALE INSULATOR, CRIMP CONTACT

CAT NO. **JBX11NSMC**

CAGE NO: 09922 SIZE: B

CUSTOMER	SOURIAU	APPROVAL	DRAWN: SKV 02-02-15
		CHKD : EV 02-02-15	DSGN : EV 02-02-15
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.		MFG : DH 02-02-15	QC : BB 02-02-15
		DRAWING SCALE: NA	
WWW.SOURIAU.COM		DRAWING NO.	REV
		JBX11NSMCC	C
		2 OF 2	

B

A

2

1

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[D38999/20ZJ24SA](#) [D38999/20ZJ29PA-LC](#) [D38999/20ZJ43HA](#) [D38999/20ZJ43PA-LC](#) [D38999/20ZJ61PA-LC](#) [D38999/24ZF11SA-LC](#)
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