

Technical drawing of the JBXEA valve assembly. The drawing shows a side view of the valve with the following dimensions and features:

- Overall length: (23)
- Distance from the left end to the start of the valve body: (3.8)
- Distance from the start of the valve body to the right end: (8)
- Left end diameter:  $(\varnothing 20)$
- Valve body features: A series of vertical lines indicating the valve's internal structure or segments.
- Right end features: A rectangular block with the text "JBXEA" and a small protrusion on the right side.

A top-down view of a circular device, likely a multi-port connector or a specialized antenna array. The device features a central circular area with a grid of 16 small circular ports arranged in a 4x4 pattern. Surrounding this central area is a ring of 19 larger ports, each labeled with a unique identifier: POS 1 through POS 19. The ports are arranged in a circular pattern, with POS 1 at the top and POS 19 at the bottom. The device has a complex, multi-layered structure with concentric rings and internal components visible. The labels POS 1 to POS 19 are positioned around the perimeter of the device, with lines pointing to their respective ports.

Top view of the device showing 19 Positioning Optic Senses (POS) arranged in a circular pattern around a central cluster of 12 smaller circles. The POS are labeled POS 1 through POS 19. The central cluster has a central circle with a crosshair and 11 surrounding circles.

NOTES:

MATERIAL:

OUTER SHELL & PANEL NUT :	}	BRASS CuZn40Pb3 (C38500/C36000)
SHIELDING RING :		
NUT :		

SOCKET CONTACT (CRIMP) : CUPRO-NICKEL CuNi1Pb1P (CDAC 19150)

CLIP: BERYLLIUM COPPER CuBe1.9 (C17200/C36000)



INSULATOR : PEEK WITH 15% GLASS FILLED, COLOR BROWN


FINISH:

OUTER SHELL : CHROME OVER NICKEL UNDERCOAT

OTHER BRASS PARTS  
EXCEPT SOCKET CONTACTS : NICKEL

SOCKET CONTACTS : GOLD AS PER MIL-G-45204C TYPE 1, CLASS 00.

LINEAR MEASURE:		(INCH)	(INCH)
THIRD ANGLE PROJECTION			
			
TOLERANCES UNLESS OTHERWISE SPECIFIED			
No. OF PLACES	mm [INCH]		
WHOLE No.	$\pm 0.5$ [ $\pm .02$ ]		
ONE PLACE	$\pm 0.2$ [ $\pm .008$ ]		
TWO PLACES	$\pm 0.1$ [ $\pm .004$ ]		
ANGLES $\pm 1^\circ$			

DRAWING TITLE		DATE		DATE	
JBX, SIZE 2, 19 POSITION, EA RECEPTACLE					
CAT NO.					
JBXEA2G19FCSDS					
CAGE NO: 09922		SIZE: C			
CUSTOMER		 <b>SOURIAU</b> Connection Technology		APPROVAL DRAWN: SNL 12-30-10 CHKD : TW 12-30-10 DSGN : XXX mm-dd-yy MFG : DH 12-30-10 QC : DK 12-30-10 DRAWING SCALE: 6:1 DRAWING NO. REV	
INTERPRET THIS DRAWING IN ACCORDANCE WITH ASME Y14.5M - 1994.		www.souriau.com		1 OF 2	

APPROVAL	DRAWN: SNL	12-30-10
	CHKD : Tw	12-30-10
	DSGN : XXX	mm-dd-yy
	MFG : DH	12-30-10
	QC : DK	12-30-10
DRAWING SCALE: 6:1		
DRAWING NO.		REV
JBXEA2G9F9CSDSC		A
1 OF 2		

4

3

2

1

DWG. NO.  
JBXEA2G19FCSDSC

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 TABLE 1)  
MAXIMUM CURRENT THAT CAN BE APPLIED SIMULTANEOUSLY  
ON EACH LINE OF THE CONNECTOR MATED PAIR, CONTINUOUSLY  
DURING ITS LIFE TIME IN NORMAL CLIMATIC CONDITIONS.

CONNECTOR TESTING :  
VOLTAGE  
1400Vrms  
TEST VOLTAGE IS APPROXIMATELY 75% OF THE DWV  
VOLTAGE AT NORMAL CLIMATIC CONDITIONS. THIS  
VOLTAGE CAN BE ACHIEVED SEVERAL TIMES, BUT NOT  
APPLIED CONTINUOUSLY.

CONNECTOR WORKING :  
VOLTAGE  
660/460 (Vdc/ Vrms)  
WORKING VOLTAGE IS APPROXIMATELY 1/3 OF THE  
TEST VOLTAGE. THIS VOLTAGE IS SUSTAINABLE FOR  
THE LIFE OF THE CONNECTOR IN ITS WORKING  
ENVIRONMENT.

PHYSICAL:

MAXIMUM WIRE SIZE USED FOR CRIMPING : 22 AWG

ENVIRONMENTAL:

ENDURANCE:  
500 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 γ = 15g, AS PER MIL-STD 1344A, METHOD 2005.1

PROTECTION INDEX:  
IP 40 AS PER CEI 529

OPERATING TEMPERATURE:  
-55°C TO +200°C (-67°F TO +392°F)

SOCKET CONTACT

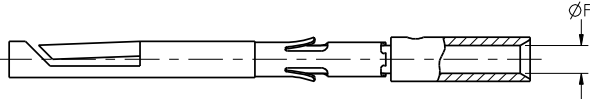



TABLE 1						
CONTACT		USABLE CABLES			MAX. CURRENT RATING (A)	CONTACT RESISTANCE (mΩ)
ØC	ØF	CORE SECTION (mm <sup>2</sup> )		AWG		
		MIN.	MAX.			
-	0.85	0.129	0.326	22-24-26	7	5

LINEAR  
MEASURE:  
THIRD ANGLE PROJECTION



TOLERANCES  
UNLESS OTHERWISE SPECIFIED:  
No. OF PLACESmm (INCH)  
WHOLE No.±0.5 (±.02)  
ONE PLACE±0.2 (±.008)  
TWO PLACES±0.1 (±.004)  
ANGLES±1°


DRAWING TITLE  
JBX, SIZE 2, 19 POSITION, EA RECEPTACLE

CAT NO.  
JBXEA2G19FCSDS

CAGE NO: 09922SIZE: C

CUSTOMER

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

  
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APPROVAL  
DRAWN: SNL12-30-10  
CHKD : TW12-30-10  
DSGN : XXXmm-dd-yy  
MFG : DH12-30-10  
QC : DK12-30-10  
DRAWING SCALE: 5:1  
DRAWING NO. REV  
JBXEA2G19FCSDSCA  
2 OF 2

PRO-E

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