

Technical drawing of a 1/2 inch NPT x 1/2 inch NPT female adapter with a 1/2 inch NPT x 1/2 inch NPT male adapter. The drawing shows the threaded ends of both adapters, with the male adapter labeled 'NPT' and the female adapter labeled 'NPT'.

This diagram shows the top view of a circular device, likely a multi-port connector or a specialized antenna array. It features a central circular region with 16 ports arranged in a circular pattern. The ports are labeled POS 1 through POS 16. The device has a complex, multi-layered structure with concentric rings and a central hub. The ports are distributed across these layers, with some ports (e.g., POS 1, POS 2, POS 3, POS 4, POS 5, POS 6, POS 7, POS 8, POS 9, POS 10, POS 11, POS 12, POS 13, POS 14, POS 15, POS 16) located on the outer rings and others (e.g., POS 1, POS 2, POS 3, POS 4, POS 5, POS 6, POS 7, POS 8, POS 9, POS 10, POS 11, POS 12, POS 13, POS 14, POS 15, POS 16) located on the inner rings. The central hub also contains a small circular feature with a crosshair-like pattern.

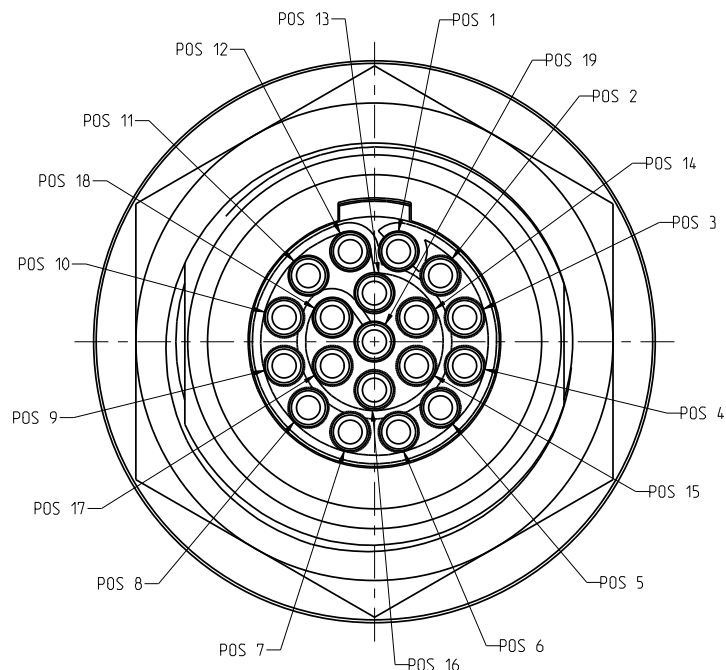
NOTES:

MATERIAL:

OUTER SHELL & PANEL NUT :	} BRASS CuZn40Pb3 (C 38500/C 36000)
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.



WIRE SIDE VIEW

A	RELEASED PER ECN 11353	SSF 01-26-11	SDH 01-26-11
REV	DESCRIPTION	BY DATE	CHKD DATE

JBX, SIZE 2, 19 POSITION, EA RECEPTACLE

JBXEA2G19FCSDS

CAGE NO: 09922	SIZE: C
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SOURIAU
Connection Technology

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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
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JBXEA2G19FCSDSC	A
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1 OF 2

PRO-E

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

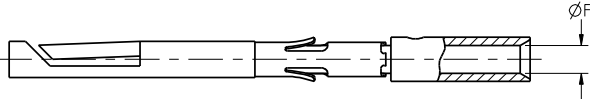


TABLE 1						
CONTACT		USABLE CABLES		MAX. CURRENT RATING (A)	CONTACT RESISTANCE (mΩ)	
ØC	ØF	CORE SECTION (mm ²)				
		MIN.	MAX.	AWG		
-	0.85	0.129	0.326	22-24-26	7	5

LINEAR
MEASURE:
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°

DRAWING TITLE

JBX, SIZE 2, 19 POSITION, EA RECEPTACLE

CAT NO.

JBXEA2G19FCSDS

CAGE NO: 09922

SIZE: C

CUSTOMER

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

SOURIAU

Connection Technology

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DRAWN: SNL

CHKD : TW

DSGN : XXX

IMFG : DH

QC : DK

12-30-10

12-30-10

12-30-10

12-30-10

12-30-10

DRAWING SCALE: 5:1

DRAWING NO.

JBXEA2G19FCSDSC

2 OF 2

REV

A

PRO-E

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