

THE INFORMATION CONTAINED IN THIS DRAWING IS CONFIDENTIAL AND MAY NOT BE DISCLOSED WITHOUT WRITTEN CONSENT FROM SOURIAU USA, INC.

| | | |
|--------------------|------------|----------|
| APPROVAL | DRAWN: RKO | 12-18-10 |
| | CHKD: TW | 12-18-10 |
| | DSGN: xxx | mm-dd-yy |
| | MFG: DH | 12-18-10 |
| | QC: DK | 12-18-10 |
| DRAWING SCALE: 4:1 | | |
| DRAWING NO. | | REV |
| JBXFDIG07MSSDSMRC | | A |
| 1 OF 2 | | |

DWG. NO.
JBXFDIG07MSSDSMRC

ELECTRICAL:

| | |
|--------------------------------|--|
| EMI SHIELDING : | SHIELDED FOR THE RANGE 550B UP TO 100MHz |
| INSULATION RESISTANCE : | >500M Ω 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 : 26 AWG

CABLE DIAMETER WITH PLASTIC : $\phi 2.0$ mm MIN.
COLLET SET SUPPLIED TO $\phi 7.5$ mm 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 γ = 15g, AS PER MIL-STD 1344A, METHOD 2005.1 |
| PROTECTION INDEX: | IP 40 AS PER CEI 529 |
| OPERATING TEMPERATURE: WITH PLASTIC COLLETS: | -55°C TO +125°C (-67°F TO +257°F) |
| WITH OPTIONAL METALLIC COLLETS: (ONLY ON REQUEST) | -55°C TO +200°C (-67°F TO +392°F) |

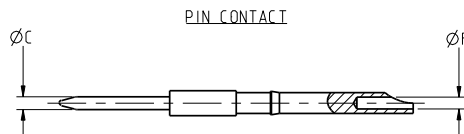





TABLE 1

| CONTACT | | USABLE CABLES | | | MAX. CURRENT RATING (A) | CONTACT RESISTANCE (mΩ) |
|---------|-----|---------------------------------|------|-----|-------------------------------|-------------------------------|
| ØC | ØF | CORE SECTION (mm ²) | | AWG | | |
| | | MIN. | MAX. | | | |
| 0.7 | 0.7 | - | 0.30 | 26 | 7 | 5 |

| | | | |
|---|-----------|---|---|
| LINEAR MEASURE: | |  |  |
| THIRD ANGLE PROJECTION | | | |
|  | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
| No. OF PLACES | mm [INCH] | | |
| WHOLE No. | ±0.5 [±.] | | |
| ONE PLACE | ±0.2 [±.] | | |
| TWO PLACES | ±0.1 [±.] | | |
| ANGLES ±1° | | | |

DRAWING TITLE

JBX, SIZE 1, 7 POSITION, MALE STRAIGHT PLUG

CAT NO. JBXFD1G07MSSDSMR

| | |
|----------------|---------|
| CAGE NO: 09922 | SIZE: C |
|----------------|---------|

CUSTOMER

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



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2 OF 2

PRO-E

D

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B

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