



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Olive drab Cadmium
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 15.7 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 25 Max   |
| Z'                  | 31.5 Max |
| VV THREAD           | M15x1-6g |

SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

|         |                             |
|---------|-----------------------------|
| Country | Jurisdiction & Control List |
| FR      | Not Listed                  |

**PN: 8D511J04BB**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 15-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 11 | J | 04 | B | B | ORIENTATION : B                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 11-04             |
| SHELL SIZE :   | 11                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | J = Olive drab Cadmium  |   |   |    |   |    |   |   |                                    |

|                |                                 |                                |   |
|----------------|---------------------------------|--------------------------------|---|
| <b>TITLE</b>   | <b>Composite Plug 8D series</b> |                                |   |
| SCALE          | NA                              | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>A3</b>                       |                                | <b>SOURIAU DRG N° 8D511J04BB-C</b>  |
|                |                                 |                                | SHEET<br>1/2  |

Contact Layout



| Contact position ID | Contact location |              |
|---------------------|------------------|--------------|
|                     | X-axis (mm)      | Y-axis (mm)  |
| A                   | +0.65 (1.65)     | +0.65 (1.65) |
| B                   | +0.65 (1.65)     | -0.65 (1.65) |
| C                   | -0.65 (1.65)     | -0.65 (1.65) |
| D                   | -0.65 (1.65)     | +0.65 (1.65) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -4              | 4                  | 20            | I              | All              | MS20050-4  |

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| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D511J04BB-C</b> |                            | SHEET   |
| <b>A3</b>      |                                    |                            | <b>2/2</b>  |