



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 : 8.5 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 21.8 Max |
| Z'                  | 31.5 Max |
| VV THREAD           | M12x1-6g |

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: 8D509J35AB**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 14-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                 |  |  |
|--------------|---------------------------------|--|--|
| <b>TITLE</b> | <b>Composite Plug 8D series</b> |  |  |
|--------------|---------------------------------|--|--|

|       |  |                            |                 |
|-------|--|----------------------------|-----------------|
| SCALE |  | General linear Tolerances: | NPRDS / PROJECT |
| NA    |  | ±--                        | <b>859</b>      |

|                |                        |  |
|----------------|------------------------|--|
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|           |                                    |            |
|-----------|------------------------------------|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D509J35AB-C</b> | SHEET      |
| <b>A3</b> |                                    | <b>1/2</b> |

|                |                                 |   |   |    |   |    |   |   |                 |
|----------------|---------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES:  | 8D                              | 5 | - | 09 | J | 35 | A | B | ORIENTATION : B |
| SHELL TYPE :   | Plug with RFI Shielding         |   |   |    |   |    |   |   |                 |
| CONTACT TYPE : | Standard Crimp Contact          |   |   |    |   |    |   |   |                 |
| SHELL SIZE :   | 09                              |   |   |    |   |    |   |   |                 |
| PLATING :      | J = Olive drab Cadmium          |   |   |    |   |    |   |   |                 |
|                | CONTACT TYPE : PIN(500 Matings) |   |   |    |   |    |   |   |                 |
|                | CONTACT LAYOUT : 09-35          |   |   |    |   |    |   |   |                 |

Contact Layout



| Contact position ID | Contact location |             |
|---------------------|------------------|-------------|
|                     | X-axis (mm)      | Y-axis (mm) |
| 1                   | +045 (1.14)      | +078 (1.98) |
| 2                   | +078 (1.98)      | -045 (1.14) |
| 3                   | +000 (0.00)      | -090 (2.29) |
| 4                   | -078 (1.98)      | -045 (1.14) |
| 5                   | -045 (1.14)      | +078 (1.98) |
| 6                   | +000 (0.00)      | +000 (0.00) |

(Applicable to MIL-DTL-38999 and SAE-AS29600)

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 9          | -35             | 6                  | 22D           | M              | All              | MS27525-35 |

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| <b>TITLE</b>   | <b>Composite Plug 8D series</b>    |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D509J35AB-C</b> |                            | SHEET 2/2   |