

H G F E D C B A

4  
3  
2  
1

4  
3  
2  
1



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Without Plating
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 8.6 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 21.8 Max |
| Z                   | 31 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: 8D509X35SNL**

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

**TITLE** Composite Plug 8D series

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

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|           |                                     |  |            |
|-----------|-------------------------------------|--|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D509X35SNL-C</b> |  | SHEET      |
| <b>A3</b> |                                     |  | <b>1/2</b> |

BASIC SERIES: 8D 5 - 09 X 35 S N L

SHELL TYPE : Plug with RFI Shielding Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : N

SHELL SIZE : 09 CONTACT TYPE : SOCKET(500 Matings)

PLATING : X = Without Plating CONTACT LAYOUT : 09-35

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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>     |                            |   |
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| NA             |                                     | ±--                        | <b>859</b>  |
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