



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

| Connector dimension |             |
|---------------------|-------------|
| Dim                 | Nominal     |
| P                   | 3.25±0.2    |
| PP                  | 5.49±0.2    |
| R1                  | 18.26       |
| R2                  | 15.09       |
| S                   | 23.8±0.3    |
| V'                  | 19.5+1.4/-0 |
| W'                  | 2.1/3.65    |
| Z'                  | 32 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: 8D009J35HB**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 03-10-2016                         | First Release                  |                               |
| ISS   | DATE                               | Latest modification - by       | MOD N°                        |
| Designed By:  |                                    | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                    | Composite Receptacle 8D series |                               |
| SCALE   | NA                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
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| FORMAT  | <b>SOURIAU DRG N° 8D009J35HB-C</b> |                                | SHEET<br>1/2                  |

|                |                          |   |   |    |   |    |   |   |                                   |
|----------------|--------------------------|---|---|----|---|----|---|---|-----------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 09 | J | 35 | H | B | ORIENTATION : B                   |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |   |    |   |   | CONTACT TYPE : PIN (1500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |   |    |   |   | CONTACT LAYOUT : 09-35            |
| SHELL SIZE :   | 09                       |   |   |    |   |    |   |   |                                   |
| PLATING :      | J = Olive drab Cadmium   |   |   |    |   |    |   |   |                                   |

Contact Layout



| Contacts<br>(Insert arrangement 9-35) |                  |             |
|---------------------------------------|------------------|-------------|
| 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 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 16.66 min  |
| ØAA | 13.11 min  |
| R1  | 18.26      |
| ØT  | 3.25 ±0.13 |

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| Designed By:   |                                       | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |                                |   |
| SCALE          |                                       | General linear Tolerances: ±-- | NPRDS / PROJECT   |
| NA             |                                       |                                | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D009J35HB-C</b>    |                                | SHEET 2/2   |