



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Nickel
- 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 +200°C
- Salt Spray : 2000 hours
- Mass : 7.8 g ± 10%

| 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: 8D009M35AE

| | | | |
|--------------|------------|--------------------------|-------------------------|
| A | 03-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |

BASIC SERIES: 8D 0 - 09 M 35 A E

SHELL TYPE : Square Flange Receptacle

CONTACT TYPE : Standard Crimp Contact

SHELL SIZE : 09

PLATING : M = Nickel

ORIENTATION : E

CONTACT TYPE : PIN(500 Matings)

CONTACT LAYOUT : 09-35

| | | | |
|----------------|--------------------------------|--------------------------------|---|
| TITLE | Composite Receptacle 8D series | | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | A3 | | SOURIAU DRG N° 8D009M35AE-C |
| | | | SHEET 1/2 |

Contact Layout



| Contacts (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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