



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- Shell Plating : Passivated
- 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 +200°C
- Salt Spray : 500 hours

| Connector dimension | |
|---------------------|-----------------|
| Dim | Nominal |
| A | 30.2±0.3 |
| B | 16.53+0.1/-0.15 |
| R | 32.5Max |
| S | 27±0.4 |
| W | 2.2+0.9/-0.1 |
| 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: 8D709K35PCL

| | | | |
|--------------|---------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------|
| A | 03-11-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Stainless Steel Receptacle 8D series | | |
| SCALE | | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | A3 | | SOURIAU DRG N° 8D709K35PCL-C |
| | | | SHEET 1/2 |

BASIC SERIES: 8D 7 - 09 K 35 P C L

SHELL TYPE : Jam nut Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : C

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

PLATING : K = Passivated CONTACT LAYOUT : 09-35

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

JAM NUT RECEPTACLE (TYPE 7)



| Dim | Nominal |
|-----|--------------|
| B | 16.7±0.1 |
| ØC | 17.6+0.25/-0 |

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| NA | | ±-- | 859 |
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| FORMAT | SOURIAU DRG N° 8D709K35PCL-C | | SHEET 2/2 |