



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Black Zinc Nickel
- 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 : 500 hours
- Mass : 13.49 g ± 10%

| 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: 8D709Z98PAL

| | | | |
|----------------|---------------------------------------|--------------------------------|---|
| A | 03-11-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Aluminium Receptacle 8D series | | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | SOURIAU DRG N° 8D709Z98PAL-C | | SHEET 1/2 |

| | | | | | | | | | | |
|----------------|------------------------|---|---|----|---------------------------------|----|---|---|---|------------------------|
| BASIC SERIES: | 8D | 7 | - | 09 | Z | 98 | P | A | L | Delivered W/O Contacts |
| SHELL TYPE : | Jam nut Receptacle | | | | ORIENTATION : A | | | | | |
| CONTACT TYPE : | Standard Crimp Contact | | | | CONTACT TYPE : PIN(500 Matings) | | | | | |
| SHELL SIZE : | 09 | | | | CONTACT LAYOUT : 09-98 | | | | | |
| PLATING : | Z = Black Zinc Nickel | | | | | | | | | |

Contact Layout



| Contacts (insert arrangement 9-98) | | |
|---------------------------------------|------------------|-------------|
| Contact position ID | Contact location | |
| | X-axis (mm) | Y-axis (mm) |
| A | +065 (1.65) | +038 (0.97) |
| B | +000 (0.00) | -075 (1.91) |
| C | -065 (1.65) | +038 (0.97) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 9 | -98 | 3 | 20 | I | All | MS20049-98 |

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° 8D709Z98PAL-C | | SHEET 2/2 |