



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
- Mass : 22.2 g ± 10%

| Connector dimension | |
|---------------------|-------------|
| Dim | Nominal |
| P | 3.25±0.2 |
| PP | 4.93±0.2 |
| R1 | 26.97 |
| R2 | 24.61 |
| S | 33.3±0.3 |
| V' | 19.5+1.4/-0 |
| W' | 2.1/3.65 |
| Z' | 32 Max |
| VV THREAD | M25x1-6g |

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: 8D017J08PB

| | | | |
|----------------|---------------------------------------|--------------------------------|---|
| B | 10-04-17 | Drawing Update | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Composite Receptacle 8D series | | |
| SCALE | | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | SOURIAU DRG N° 8D017J08PB-C | | SHEET 1/2 |

| | | | | | | | | | |
|----------------|---------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES: | 8D | 0 | - | 17 | J | 08 | P | B | ORIENTATION : B |
| SHELL TYPE : | Square Flange Receptacle | | | | | | | | |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | |
| SHELL SIZE : | 17 | | | | | | | | |
| PLATING : | J = Olive drab Cadmium | | | | | | | | |
| | CONTACT TYPE : PIN(500 Matings) | | | | | | | | |
| | CONTACT LAYOUT : 17-08 | | | | | | | | |

Contact Layout



| Contacts (Insert arrangement 17-8) | | |
|---------------------------------------|-------------|-------------|
| Contact position ID | Location | |
| | X-axis (mm) | Y-axis (mm) |
| A | +000 (0.00) | +236 (5.99) |
| B | +128 (3.25) | +086 (2.18) |
| C | +230 (5.84) | -078 (1.98) |
| D | +094 (2.39) | -216 (5.49) |
| E | -094 (2.39) | -216 (5.49) |
| F | -230 (5.84) | -078 (1.98) |
| G | -128 (3.25) | +086 (2.18) |
| H | +000 (0.00) | -052 (1.32) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 17 | -8 | 8 | 16 | II | All | MS20053-8 |

Panel Cutout



Max. thickness panel for receptacle: Type 0: front mounting = 3.2 mm, rear mounting = 2.5 mm

| Dim | Nominal |
|-----|------------|
| ØA | 30.96 min |
| ØAA | 25.81 min |
| R1 | 26.97 |
| ØT | 3.25 ±0.13 |

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