



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Without Plating
- 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 : 2000 hours
- Mass : 31.8 g ± 10%

| Connector dimension | |
|---------------------|---------------|
| Dim | Nominal |
| P | 3.91±0.2 |
| PP | 6.15±0.2 |
| R1 | 38.1 |
| R2 | 34.93 |
| S | 46±0.3 |
| V | 20.07+0/-1.25 |
| W | 2.1/3.2 |
| Z | 31.5 Max |
| VV THREAD | M37x1-6g |

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: 8D025X08PEL

| | | | |
|----------------|---------------------------------------|--------------------------------|---|
| A | 08-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Composite Receptacle 8D series | | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | A3 | | SOURIAU DRG N° 8D025X08PEL-C |
| | | | SHEET 1/2 |

| | | | | | | | | | | |
|----------------|--------------------------|---|---|----|---|---------------------------------|---|---|---|------------------------|
| BASIC SERIES: | 8D | 0 | - | 25 | X | 08 | P | E | L | Delivered W/O Contacts |
| SHELL TYPE : | Square Flange Receptacle | | | | | ORIENTATION : E | | | | |
| CONTACT TYPE : | Standard Crimp Contact | | | | | CONTACT TYPE : PIN(500 Matings) | | | | |
| SHELL SIZE : | 25 | | | | | CONTACT LAYOUT : 25-08 | | | | |
| PLATING : | X = Without Plating | | | | | | | | | |

Contact Layout



Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 25-10.)

| Contacts (Insert arrangement 25-8) | | |
|---------------------------------------|------------------|--------------|
| Contact position ID | Contact location | |
| | X-axis (mm) | Y-axis (mm) |
| A | -000 (0.00) | +426 (10.82) |
| B | +333 (8.46) | +266 (6.76) |
| C | +415 (10.54) | -095 (2.41) |
| D | +185 (4.70) | -384 (9.75) |
| E | -185 (4.70) | -384 (9.75) |
| F | -415 (10.54) | -095 (2.41) |
| G | -333 (8.46) | +266 (6.76) |
| H | +000 (0.00) | +000 (0.00) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Standard contact | |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------------|---------------|
| | | | | | | Pin | Socket |
| 25 | -8 | 8 | 8 | Twinax | All | M39029/90-529 | M39029/91-530 |

Panel Cutout



| Dim | Nominal |
|-----|------------|
| ØA | 42.47 min |
| ØAA | 37.69 min |
| R1 | 38.1 |
| ØT | 3.81 ±0.13 |

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| FORMAT | SOURIAU DRG N° 8D025X08PEL-C | | SHEET 2/2 |