



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 : 44.4 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' | 18.7+1.4/-0 |
| W' | 2.1/4.35 |
| Z' | 32 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: 8D025J29PC

| | | | |
|----------------|---------------------------------------|--------------------------------|---|
| A | 08-10-2016 | First Release | |
| 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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| SOURIAU | WWW.SOURIAU.COM | | |
| FORMAT | SOURIAU DRG N° 8D025J29PC-C | | SHEET 1/2 |

| | | | | | | | | | |
|----------------|---------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES: | 8D | 0 | - | 25 | J | 29 | P | C | ORIENTATION : C |
| SHELL TYPE : | Square Flange Receptacle | | | | | | | | |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | |
| SHELL SIZE : | 25 | | | | | | | | |
| PLATING : | J = Olive drab Cadmium | | | | | | | | |
| | CONTACT TYPE : PIN(500 Matings) | | | | | | | | |
| | CONTACT LAYOUT : 25-29 | | | | | | | | |

Contact Layout



| Contacts (Insert arrangement 25-29) | | | | | |
|--|---------------|---------------|---------------------|--------------|--------------|
| Contact position ID | Location | | Contact position ID | Location | |
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| A | +000 (0.00) | +481 (12.22) | S | -.091 (2.31) | +321 (8.15) |
| B | +258 (6.55) | +406 (10.31) | T | +091 (2.31) | +321 (8.15) |
| C | +395 (10.03) | +277 (7.04) | U | +228 (5.79) | +194 (4.93) |
| D | +469 (11.91) | +109 (2.77) | V | +319 (8.10) | +000 (0.00) |
| E | -.460 (11.91) | -.100 (2.77) | W | -.240 (6.10) | -.181 (4.60) |
| F | +395 (10.03) | -.277 (7.04) | X | +091 (2.31) | -.290 (7.37) |
| G | +263 (6.68) | -.406 (10.31) | Y | -.091 (2.31) | -.290 (7.37) |
| H | +091 (2.31) | -.472 (11.99) | Z | -.240 (6.10) | -.181 (4.60) |
| J | -.091 (2.31) | -.472 (11.99) | a | -.319 (8.10) | +000 (0.00) |
| K | -.263 (6.68) | -.406 (10.31) | b | -.228 (5.79) | +194 (4.93) |
| L | -.395 (10.03) | -.277 (7.04) | c | +000 (0.00) | +161 (4.09) |
| M | -.469 (11.91) | -.109 (2.77) | d | +134 (3.40) | +000 (0.00) |
| N | -.469 (11.91) | +109 (2.77) | e | +000 (0.00) | -.130 (3.30) |
| P | -.395 (10.03) | +277 (7.04) | f | -.134 (3.40) | +000 (0.00) |
| R | -.258 (6.55) | +406 (10.31) | --- | --- | --- |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25 | -29 | 29 | 16 | I | All | MS20057-29 |

Panel Cutout



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

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