



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : 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 +200°C
- Salt Spray : 48 hours
- Mass : 18.07 g ± 10%

| Connector dimension | |
|---------------------|---------------|
| Dim | Nominal |
| P | 3.25±0.2 |
| PP | 4.39±0.2 |
| R1 | 24.61 |
| R2 | 23.01 |
| S | 31±0.3 |
| V | 20.83+0/-1.25 |
| W | 2.1/2.5 |
| Z | 31.5 Max |
| VV THREAD | M22x1-6g |

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: 8D015F15PCL

| | | | |
|----------------|---------------------------------------|--------------------------------|---|
| A | 12-10-2016 | 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 | A3 | | SOURIAU DRG N° 8D015F15PCL-C |
| | | | SHEET 1/2 |

| | | | | | | | | | | |
|----------------|--------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES: | 8D | 0 | - | 15 | F | 15 | P | C | L | Delivered W/O Contacts |
| SHELL TYPE : | Square Flange Receptacle | | | | | | | | | ORIENTATION : C |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | | CONTACT TYPE : PIN(500 Matings) |
| SHELL SIZE : | 15 | | | | | | | | | CONTACT LAYOUT : 15-15 |
| PLATING : | F = Nickel | | | | | | | | | |

Contact Layout



| Contacts (Insert arrangement 15-15) | | | | | |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID | Location | | Contact position ID | Location | |
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| A | +100 (2.54) | +225 (5.72) | J | -244 (6.20) | +014 (0.36) |
| B | +202 (5.13) | +140 (3.56) | K | -202 (5.13) | +140 (3.56) |
| C | +244 (6.20) | +014 (0.36) | L | -100 (2.54) | +225 (5.72) |
| D | +218 (5.54) | -113 (2.87) | M | +000 (0.00) | +140 (3.56) |
| E | +126 (3.20) | -209 (5.31) | N | +110 (2.79) | +040 (1.02) |
| F | +000 (0.00) | -245 (6.22) | P | +000 (0.00) | -077 (1.96) |
| G | -126 (3.20) | -209 (5.31) | R | -110 (2.79) | +040 (1.02) |
| H | -218 (5.54) | -113 (2.87) | | | |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 15 | -15 | 14 | 20 | I | P All other | MS20052-15 |

Panel Cutout



| Dim | Nominal |
|-----|------------|
| ØA | 26.59 min |
| ØAA | 23.01 min |
| R1 | 24.61 |
| ØT | 3.25 ±0.13 |

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| TITLE | Aluminium Receptacle 8D series | | |
| SCALE | | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
| NA | | | |
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| FORMAT | SOURIAU DRG N° 8D015F15PCL-C | | SHEET 2/2 |