



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 : 17.1 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' | 19.5+1.4/-0 |
| W' | 2.1/3.65 |
| Z' | 32 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: 8D015J97PE

| | | | |
|----------------|---------------------------------------|--------------------------------|---|
| A | 12-10-2016 | 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 |
| NA | | | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
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| FORMAT | SOURIAU DRG N° 8D015J97PE-C | | SHEET 1/2 |

| | | | | | | | | | |
|----------------|--------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES: | 8D | 0 | - | 15 | J | 97 | P | E | ORIENTATION : E |
| SHELL TYPE : | Square Flange Receptacle | | | | | | | | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | CONTACT LAYOUT : 15-97 |
| SHELL SIZE : | 15 | | | | | | | | |
| PLATING : | J = Olive drab Cadmium | | | | | | | | |

Contact Layout



| Contact position ID | Location | | Contact position ID | Location | |
|---------------------|-------------|-------------|---------------------|-------------|-------------|
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| A | +065 (1.65) | +234 (5.94) | G | -207 (5.26) | -095 (2.41) |
| B | +178 (4.52) | +178 (4.52) | H | -234 (5.94) | +065 (1.65) |
| C | +230 (5.84) | -023 (0.58) | J | -178 (4.52) | +178 (4.52) |
| D | +178 (4.52) | -178 (4.52) | K | -065 (1.65) | +234 (5.94) |
| E | +065 (1.65) | -234 (5.94) | L | -047 (1.19) | +081 (2.06) |
| F | -089 (2.26) | -235 (5.97) | M | +047 (1.19) | -081 (2.06) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|--------------------------|------------|
| 15 | -97 | 4 8 | 16 20 | I | C, G, L, M All others | MS20052-97 |

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 | Composite Receptacle 8D series | | |
| SCALE | | General linear Tolerances: | NPRDS / PROJECT |
| NA | | ±-- | 859 |
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| FORMAT | SOURIAU DRG N° 8D015J97PE-C | | SHEET 2/2 |