



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 : 30.1 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: 8D017J08SC**

|                                    |                                       |                                |   |
|------------------------------------|---------------------------------------|--------------------------------|---|
| B                                  | 10-04-17                              | Drawing Update                 |   |
| ISS                                | DATE                                  | Latest modification - by       | MOD N°  |
| Designed By:                       |                                       | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>                       | <b>Composite Receptacle 8D series</b> |                                |   |
| SCALE                              | NA                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT                             | <b>A3</b>                             |                                | SHEET<br>1/2  |
| <b>SOURIAU DRG N° 8D017J08SC-C</b> |                                       |                                |   |

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

Contact Layout



| Contacts<br>(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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| NA             |                                       |                                |   |
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| FORMAT         | <b>SOURIAU DRG N° 8D017J08SC-C</b>    |                                | SHEET<br>2/2  |