



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

| 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: 8D017J22BA**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| B   | 10-04-17                           | Drawing Update                 |                               |
| ISS   | DATE                               | Latest modification - by       | MOD N°                        |
| Designed By:  |                                    | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                    | Composite Receptacle 8D series |                               |
| SCALE   | NA                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
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| FORMAT  | <b>SOURIAU DRG N° 8D017J22BA-C</b> |                                | SHEET<br>1/2                  |

|                |                          |   |   |    |   |    |                                    |   |
|----------------|--------------------------|---|---|----|---|----|------------------------------------|---|
| BASIC SERIES:  | 8D                       | 0 | - | 17 | J | 22 | B                                  | A |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |   |    |                                    |   |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |   |    |                                    |   |
| SHELL SIZE :   | 17                       |   |   |    |   |    |                                    |   |
| PLATING :      | J = Olive drab Cadmium   |   |   |    |   |    |                                    |   |
|                |                          |   |   |    |   |    | ORIENTATION : A                    |   |
|                |                          |   |   |    |   |    | CONTACT TYPE : SOCKET(500 Matings) |   |
|                |                          |   |   |    |   |    | CONTACT LAYOUT : 17-22             |   |

Contact Layout

22



2#12  
2#8 Triax

| 17-22 |       |       |
|-------|-------|-------|
| Ctc   | X     | Y     |
| A     | 0     | 4.57  |
| B     | 6.32  | 0     |
| C     | 0     | -4.57 |
| D     | -6.32 | 0     |

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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| B              | 10-04-17                              | Drawing Update             |   |
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| Designed By:   |                                       | Date:                      | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |                            |   |
| SCALE          |                                       | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                       | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D017J22BA-C</b>    |                            | SHEET 2/2   |