



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                  | 20.62       |
| R2                  | 18.26       |
| S                   | 26.2±0.3    |
| V'                  | 19.5+1.4/-0 |
| W'                  | 2.1/3.65    |
| Z'                  | 32 Max      |
| VV THREAD           | M15x1-6g    |

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: 8D011J98JE**

|                |                                       |   |                               |
|----------------|---------------------------------------|---|-------------------------------|
| A              | 06-10-2016                            | First Release   |                               |
| ISS            | DATE                                  | Latest modification - by  | MOD N°                        |
| Designed By:   |                                       | Date:   | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |   |                               |
| SCALE          |                                       | General linear Tolerances: ±--  | NPRDS / PROJECT<br><b>859</b> |
| NA             |                                       | This document is the property of SOURIAU it must not be reproduced or communicated without permission |                               |
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| FORMAT         | <b>SOURIAU DRG N° 8D011J98JE-C</b>    |   | SHEET<br>1/2                  |

|                |                          |   |   |    |                  |    |                       |   |
|----------------|--------------------------|---|---|----|------------------|----|-----------------------|---|
| BASIC SERIES:  | 8D                       | 0 | - | 11 | J                | 98 | J                     | E |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |                  |    |                       |   |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |                  |    |                       |   |
| SHELL SIZE :   | 11                       |   |   |    |                  |    |                       |   |
| PLATING :      | J = Olive drab Cadmium   |   |   |    |                  |    |                       |   |
|                |                          |   |   |    | ORIENTATION :    |    | E                     |   |
|                |                          |   |   |    | CONTACT TYPE :   |    | SOCKET (1500 Matings) |   |
|                |                          |   |   |    | CONTACT LAYOUT : |    | 11-98                 |   |

**Contact Layout**



| Contacts<br>(Insert arrangement 11-98) |                  |             |
|--|------------------|-------------|
| Contact position ID                    | Contact location |             |
|  | X-axis (mm)      | Y-axis (mm) |
| A                                      | +000 (0.00)      | +130 (3.30) |
| B                                      | +130 (3.30)      | +000 (0.00) |
| C                                      | +065 (1.65)      | -113 (2.87) |
| D                                      | -065 (1.65)      | -113 (2.87) |
| E                                      | -130 (3.30)      | +000 (0.00) |
| F                                      | +000 (0.00)      | +000 (0.00) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -98             | 6                  | 20            | I              | All              | MS20050-98 |

**Panel Cutout**



| Dim | Nominal    |
|-----|------------|
| ØA  | 20.22 min  |
| ØAA | 15.88 min  |
| R1  | 20.62      |
| ØT  | 3.25 ±0.13 |

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**TITLE** Composite Receptacle 8D series

|       |  |                            |                 |
|-------|--|----------------------------|-----------------|
| SCALE |  | General linear Tolerances: | NPRDS / PROJECT |
| NA    |  | ±--                        | <b>859</b>      |

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| FORMAT    | <b>SOURIAU DRG N° 8D011J98JE-C</b> |  | SHEET      |
| <b>A3</b> |                                    |  | <b>2/2</b> |