



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 without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 22.7 g ± 10%

| Connector dimension |             |
|---------------------|-------------|
| Dim                 | Nominal     |
| P                   | 3.25±0.2    |
| PP                  | 4.93±0.2    |
| R1                  | 29.36       |
| R2                  | 26.97       |
| S                   | 36.5±0.3    |
| V'                  | 19.5+1.4/-0 |
| W'                  | 2.1/3.65    |
| Z'                  | 32 Max      |
| VV THREAD           | M28x1-6g    |

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: 8D019J11PAL**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 08-10-2016                            | 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° 8D019J11PAL-C</b>   |                                | SHEET<br>1/2  |

|                |                          |   |   |    |   |    |   |   |   |                                 |
|----------------|--------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 19 | J | 11 | P | A | L | Delivered W/O Contacts          |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |   |    |   |   |   | ORIENTATION : A                 |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |   |    |   |   |   | CONTACT TYPE : PIN(500 Matings) |
| SHELL SIZE :   | 19                       |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 19-11          |
| PLATING :      | J = Olive drab Cadmium   |   |   |    |   |    |   |   |   |                                 |

Contact Layout



| Contacts<br>(insert arrangement 19-11) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +105 (2.67) | +260 (6.60) | G                   | -275 (6.99) | -053 (1.35) |
| B                                      | +250 (6.35) | +132 (3.35) | H                   | -250 (6.35) | +132 (3.35) |
| C                                      | +275 (6.99) | -053 (1.35) | J                   | -105 (2.67) | +260 (6.60) |
| D                                      | +179 (4.55) | -215 (5.46) | K                   | +000 (0.00) | +105 (2.67) |
| E                                      | +000 (0.00) | -281 (7.14) | L                   | +000 (0.00) | -092 (2.34) |
| F                                      | -179 (4.55) | -215 (5.46) |                     |             |             |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 19         | -11             | 11                 | 16            | II             | All              | MS20054-11 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 32.96 min  |
| ØAA | 28.98 min  |
| R1  | 29.36      |
| ØT  | 3.25 ±0.13 |

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| FORMAT         | <b>SOURIAU DRG N° 8D019J11PAL-C</b>   |                                | SHEET<br>2/2  |