



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Nickel
- 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 +200°C
- Salt Spray : 2000 hours
- Mass : 26.1 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: 8D019M11AD**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 08-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

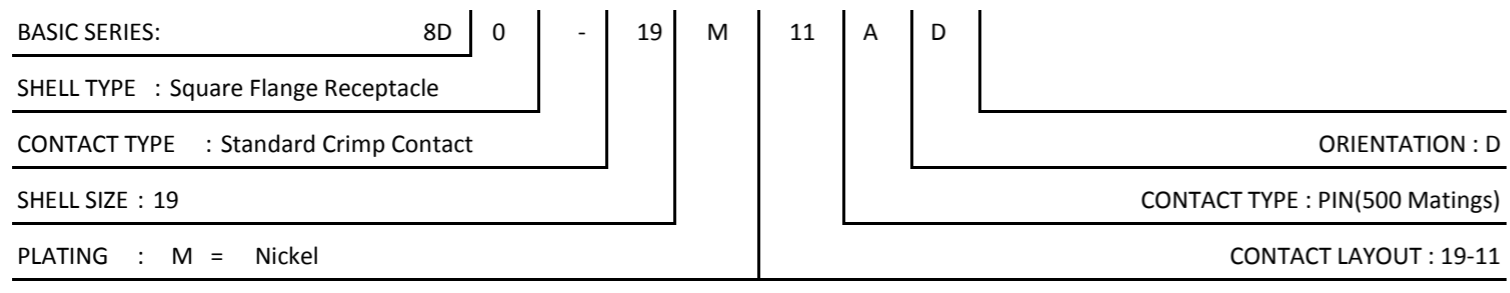
**TITLE** Composite Receptacle 8D series

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

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|           |                                    |  |            |
|-----------|------------------------------------|--|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D019M11AD-C</b> |  | SHEET      |
| <b>A3</b> |                                    |  | <b>1/2</b> |



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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| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |                            |   |
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| NA             |                                       | ±--                        | <b>859</b>  |
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