



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 : 24.8 g ± 10%

| Connector dimension |             |
|---------------------|-------------|
| Dim                 | Nominal     |
| P                   | 3.25±0.2    |
| PP                  | 4.39±0.2    |
| R1                  | 24.61       |
| R2                  | 23.01       |
| S                   | 31±0.3      |
| V'                  | 19.5+1.4/-0 |
| W'                  | 2.1/3.65    |
| Z'                  | 32 Max      |
| VV THREAD           | M22x1-6g    |

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: 8D015M19SN**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 12-10-2016                            | 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 |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>                |                                |   |
| FORMAT         | <b>SOURIAU DRG N° 8D015M19SN-C</b>    |                                | SHEET<br>1/2  |

BASIC SERIES: 8D 0 - 15 M 19 S N

SHELL TYPE : Square Flange Receptacle

CONTACT TYPE : Standard Crimp Contact

SHELL SIZE : 15

PLATING : M = Nickel

ORIENTATION : N

CONTACT TYPE : SOCKET(500 Matings)

CONTACT LAYOUT : 15-19

Contact Layout



| Contacts<br>(Insert arrangement 15-19) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +000 (0.00) | +225 (5.72) | L                   | -195 (4.95) | +113 (2.87) |
| B                                      | +130 (3.30) | +225 (5.72) | M                   | -130 (3.30) | +225 (5.72) |
| C                                      | -195 (4.95) | +113 (2.87) | N                   | -005 (1.05) | +113 (2.87) |
| D                                      | +260 (6.60) | +000 (0.00) | P                   | +065 (1.65) | +113 (2.87) |
| E                                      | +195 (4.95) | -113 (2.87) | R                   | +130 (3.30) | +000 (0.00) |
| F                                      | +130 (3.30) | -225 (5.72) | S                   | +065 (1.65) | -113 (2.87) |
| G                                      | +000 (0.00) | -225 (5.72) | T                   | -065 (1.65) | -113 (2.87) |
| H                                      | -130 (3.30) | -225 (5.72) | U                   | -130 (3.30) | +000 (0.00) |
| J                                      | -195 (4.95) | -113 (2.87) | V                   | +000 (0.00) | +000 (0.00) |
| K                                      | -260 (6.60) | +000 (0.00) |                     |             |             |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 15         | -19             | 19                 | 20            | I              | All              | MS20052-19 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 26.59 min  |
| ØAA | 23.01 min  |
| R1  | 24.61      |
| ØT  | 3.25 ±0.13 |

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| FORMAT         | <b>SOURIAU DRG N° 8D015M19SN-C</b>    |                                | SHEET<br>2/2  |