



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Without Plating
- 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
- Mass : 78.6 g ± 10%

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.91±0.2      |
| PP                  | 6.15±0.2      |
| R1                  | 38.1          |
| R2                  | 34.93         |
| S                   | 46±0.3        |
| V                   | 20.07+0/-1.25 |
| W                   | 2.1/3.2       |
| Z                   | 31.5 Max      |
| VV THREAD           | M37x1-6g      |

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: 8D025X19BN**

|              |   |                                |   |
|--------------|---|--------------------------------|---|
| 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           | <b>SOURIAU</b> <a href="http://WWW.SOURIAU.COM">WWW.SOURIAU.COM</a> |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT       | <b>A3</b>   |                                | <b>SOURIAU DRG N° 8D025X19BN-C</b> SHEET 1/2  |

|                |                          |   |   |    |   |    |   |                                    |
|----------------|--------------------------|---|---|----|---|----|---|------------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 25 | X | 19 | B | N                                  |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |   |    |   |                                    |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |   |    |   |                                    |
| SHELL SIZE :   | 25                       |   |   |    |   |    |   |                                    |
| PLATING :      | X = Without Plating      |   |   |    |   |    |   |                                    |
|                |                          |   |   |    |   |    |   | ORIENTATION : N                    |
|                |                          |   |   |    |   |    |   | CONTACT TYPE : SOCKET(500 Matings) |
|                |                          |   |   |    |   |    |   | CONTACT LAYOUT : 25-19             |

Contact Layout



| Contacts<br>(insert arrangement 25-19) |              |              |                     |             |              |
|--|--------------|--------------|---------------------|-------------|--------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |              |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm)  |
| A                                      | +000 (0.00)  | +409 (10.39) | L                   | -354 (8.99) | +205 (5.21)  |
| B                                      | +236 (5.99)  | +409 (10.39) | M                   | -236 (5.99) | +409 (10.39) |
| C                                      | +354 (8.99)  | +205 (5.21)  | N                   | -118 (3.00) | +205 (5.21)  |
| D                                      | +472 (11.99) | +000 (0.00)  | P                   | +118 (3.00) | +205 (5.21)  |
| E                                      | +354 (8.99)  | -205 (5.21)  | R                   | +236 (5.99) | +000 (0.00)  |
| F                                      | +236 (5.99)  | -409 (10.39) | S                   | +118 (3.00) | -205 (5.21)  |
| G                                      | +000 (0.00)  | -409 (10.39) | T                   | -118 (3.00) | -205 (5.21)  |
| H                                      | -236 (5.99)  | -409 (10.39) | U                   | -236 (5.99) | +000 (0.00)  |
| J                                      | -354 (8.99)  | -205 (5.21)  | V                   | +000 (0.00) | +000 (0.00)  |
| K                                      | -472 (11.99) | +000 (0.00)  | ---                 | ---         | ---          |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes  |
|------------|-----------------|--------------------|---------------|----------------|------------------|-------------|
| 25         | -19             | 19                 | 12            | I              | All              | MS-20057-19 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 42.47 min  |
| ØAA | 37.69 min  |
| R1  | 38.1       |
| ØT  | 3.81 ±0.13 |

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| NA             |                                       | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D025X19BN-C</b>    |                            | SHEET 2/2   |