



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- Shell Plating : Passivated
- 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 +200°C
- Salt Spray : 500 hours
- Mass : 74.55 g ± 10%

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.25±0.2      |
| PP                  | 4.93±0.2      |
| R1                  | 31.75         |
| R2                  | 29.36         |
| S                   | 39.7±0.3      |
| V                   | 20.07+0/-1.25 |
| W                   | 2.1/3.2       |
| Z                   | 31.5 Max      |
| VV THREAD           | M31x1-6g      |

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: 8D021K11PNL**

|                |   |                                |   |
|----------------|---|--------------------------------|---|
| A              | 03-11-2016                                  | First Release                  |   |
| ISS            | DATE  | Latest modification - by       | MOD N°  |
| Designed By:   |   | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Stainless Steel Receptacle 8D series</b> |                                |   |
| SCALE          | NA  | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>A3</b>                                   |                                | <b>SOURIAU DRG N° 8D021K11PNL-C</b><br>SHEET 1/2  |

BASIC SERIES: 8D 0 - 21 K 11 P N L

SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : N

SHELL SIZE : 21 CONTACT TYPE : PIN(500 Matings)

PLATING : K = Passivated CONTACT LAYOUT : 21-11

Contact Layout



| Contacts<br>(Insert arrangement 21-11) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +121 (3.07) | +332 (8.43) | G                   | -348 (8.84) | -061 (1.55) |
| B                                      | +306 (7.77) | +177 (4.50) | H                   | -306 (7.77) | +177 (4.50) |
| C                                      | +348 (8.84) | -061 (1.55) | J                   | -121 (3.07) | +332 (8.43) |
| D                                      | +227 (5.77) | -270 (6.86) | K                   | +000 (0.00) | +123 (3.12) |
| E                                      | +000 (0.00) | -353 (8.97) | L                   | +000 (0.00) | -115 (2.92) |
| F                                      | -227 (5.77) | -270 (6.86) | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 21         | -11             | 11                 | 12            | I              | All              | MS20055-11 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 36.12 min  |
| ØAA | 32.16 min  |
| R1  | 31.75      |
| ØT  | 3.25 ±0.13 |

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| FORMAT         | <b>SOURIAU DRG N° 8D021K11PNL-C</b>         |                            | SHEET 2/2   |