



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 without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 12.9 g ± 10%

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.25±0.2      |
| PP                  | 4.93±0.2      |
| R1                  | 23.01         |
| R2                  | 20.62         |
| S                   | 28.6±0.3      |
| V                   | 20.83+0/-1.25 |
| W                   | 2.1/2.5       |
| Z                   | 31.5 Max      |
| VV THREAD           | M18x1-6g      |

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: 8D013X08PAL**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 16-10-2016                            | 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          | NA                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>SOURIAU DRG N° 8D013X08PAL-C</b>   |                                | SHEET<br>1/2  |

|                |                          |   |   |    |   |    |   |   |   |                                 |
|----------------|--------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 13 | X | 08 | 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 :   | 13                       |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 13-08          |
| PLATING :      | X = Without Plating      |   |   |    |   |    |   |   |   |                                 |

Contact Layout



| Contacts<br>(insert arrangement 13-8) |                  |             |
|---------------------------------------|------------------|-------------|
| Contact position ID                   | Contact location |             |
|                                       | X-axis (mm)      | Y-axis (mm) |
| A                                     | +065 (1.65)      | +157 (3.99) |
| B                                     | +170 (4.32)      | +000 (0.00) |
| C                                     | +120 (3.05)      | -120 (3.05) |
| D                                     | +000 (0.00)      | -170 (4.32) |
| E                                     | -120 (3.05)      | -120 (3.05) |
| F                                     | -170 (4.32)      | +000 (0.00) |
| G                                     | -065 (1.65)      | +157 (3.99) |
| H                                     | +000 (0.00)      | +044 (1.12) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 13         | -8              | 8                  | 20            | I              | All              | MS20051-8  |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 23.42 min  |
| ØAA | 19.05 min  |
| R1  | 23.01      |
| ØT  | 3.25 ±0.13 |

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| FORMAT         | <b>SOURIAU DRG N° 8D013X08PAL-C</b>   |                                | SHEET<br>2/2  |