



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 without Souriau contacts
- Temperature Range : -65°C to +200°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'                  | 19.5+1.4/-0 |
| W'                  | 2.1/3.65    |
| Z'                  | 32 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: 8D013M08PBL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 15-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|                     |    |  |                               |
|---------------------|----|--|-------------------------------|
| <b>TITLE</b>        |    | Composite Receptacle 8D series         |                               |
| SCALE               | NA | General linear Tolerances: ±--         | NPRDS / PROJECT<br><b>859</b> |
| <b>SOURIAU</b>      |    | <b>WWW.SOURIAU.COM</b>                 |                               |
| FORMAT<br><b>A3</b> |    | SOURIAU DRG N°<br><b>8D013M08PBL-C</b> |                               |
|                     |    |  | SHEET<br>1/2                  |

BASIC SERIES: 8D 0 - 13 M 08 P B L

SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : B

SHELL SIZE : 13 CONTACT TYPE : PIN(500 Matings)

PLATING : M = Nickel CONTACT LAYOUT : 13-08

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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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| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |                            |   |
| SCALE          |                                       | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                       | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D013M08PBL-C</b>   |                            | SHEET 2/2   |