



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Olive drab Cadmium
- 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 : 8.6 g ± 10%

| Connector dimension |             |
|---------------------|-------------|
| Dim                 | Nominal     |
| P                   | 3.25±0.2    |
| PP                  | 4.93±0.2    |
| R1                  | 20.62       |
| R2                  | 18.26       |
| S                   | 26.2±0.3    |
| V'                  | 19.5+1.4/-0 |
| W'                  | 2.1/3.65    |
| Z'                  | 32 Max      |
| VV THREAD           | M15x1-6g    |

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: 8D011J99PBL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 06-10-2016 | 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 |
| NA    |  |                                | <b>859</b>      |

|                |                        |   |
|----------------|------------------------|---|
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|           |                                     |            |
|-----------|-------------------------------------|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D011J99PBL-C</b> | SHEET      |
| <b>A3</b> |                                     | <b>1/2</b> |

|                |                          |   |   |    |   |    |   |   |   |                                 |
|----------------|--------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 11 | J | 99 | P | B | L | Delivered W/O Contacts          |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |   |    |   |   |   | ORIENTATION : B                 |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |   |    |   |   |   | CONTACT TYPE : PIN(500 Matings) |
| SHELL SIZE :   | 11                       |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 11-99          |
| PLATING :      | J = Olive drab Cadmium   |   |   |    |   |    |   |   |   |                                 |

Contact Layout



| Contacts<br>(Insert arrangement 11-99) |             |             |
|--|-------------|-------------|
| Contact position ID                    | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |
| A                                      | +065 (1.65) | +113 (2.87) |
| B                                      | +130 (3.30) | +000 (0.00) |
| C                                      | +065 (1.65) | -113 (2.87) |
| D                                      | -065 (1.65) | -113 (2.87) |
| E                                      | -130 (3.30) | +000 (0.00) |
| F                                      | -065 (1.65) | +113 (2.87) |
| G                                      | +000 (0.00) | +000 (0.00) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 11         | -99             | 7                  | 20            | I              | All              | MS20050-99 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 20.22 min  |
| ØAA | 15.88 min  |
| R1  | 20.62      |
| ØT  | 3.25 ±0.13 |

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| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |                                |   |
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| NA             |                                       |                                |   |
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| FORMAT         | <b>SOURIAU DRG N° 8D011J99PBL-C</b>   |                                | SHEET<br>2/2  |