



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 : 48 hours
- Mass : 11.22 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                   | 20.83+0/-1.25 |
| W                   | 2.1/2.5       |
| Z                   | 31.5 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: 8D011F22PAL**

|                |                                       |                                |                                                                                                       |
|----------------|---------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------|
| A              | 14-10-2016                            | First Release                  |                                                                                                       |
| ISS            | DATE                                  | Latest modification - by       | MOD N°                                                                                                |
| Designed By:   |                                       | Date:                          | <b>CUSTOMER DRAWING</b>                                                                               |
| <b>TITLE</b>   | <b>Aluminium 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° 8D011F22PAL-C</b>                                                                   |
|                |                                       |                                | SHEET<br>1/2                                                                                          |

|                |                          |   |   |    |   |    |   |   |   |                                 |
|----------------|--------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 11 | F | 22 | 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 :   | 11                       |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 11-22          |
| PLATING :      | F = Nickel               |   |   |    |   |    |   |   |   |                                 |

Contact Layout



| 11-22 |        |        |
|-------|--------|--------|
| Ctc   | X      | Y      |
| A     | 1.905  | 1.905  |
| B     | 1.905  | -1.905 |
| C     | -1.905 | -1.905 |
| D     | -1.905 | 1.905  |

Panel Cutout



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

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| NA             |                                       | ±--                        | <b>859</b>                                                                                            |
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| FORMAT         | <b>SOURIAU DRG N° 8D011F22PAL-C</b>   |                            | SHEET 2/2                                                                                             |