



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 : 18.07 g ± 10%

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.25±0.2      |
| PP                  | 4.39±0.2      |
| R1                  | 24.61         |
| R2                  | 23.01         |
| S                   | 31±0.3        |
| V                   | 20.83+0/-1.25 |
| W                   | 2.1/2.5       |
| Z                   | 31.5 Max      |
| VV THREAD           | M22x1-6g      |

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: 8D015F15PDL**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 12-10-2016                            | 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>   |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>                |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT         | <b>A3</b>                             |                                | <b>SOURIAU DRG N° 8D015F15PDL-C</b>   |
|                |                                       |                                | SHEET<br>1/2  |

BASIC SERIES: 8D 0 - 15 F 15 P D L

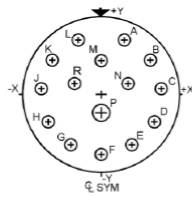
SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : D

SHELL SIZE : 15 CONTACT TYPE : PIN(500 Matings)

PLATING : F = Nickel CONTACT LAYOUT : 15-15

Contact Layout



| Contacts<br>(Insert arrangement 15-15) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +100 (2.54) | +225 (5.72) | J                   | -244 (6.20) | +014 (0.36) |
| B                                      | +202 (5.13) | +140 (3.56) | K                   | -202 (5.13) | +140 (3.56) |
| C                                      | +244 (6.20) | +014 (0.36) | L                   | -100 (2.54) | +225 (5.72) |
| D                                      | +218 (5.54) | -113 (2.87) | M                   | +000 (0.00) | +140 (3.56) |
| E                                      | +126 (3.20) | -209 (5.31) | N                   | +110 (2.79) | +040 (1.02) |
| F                                      | +000 (0.00) | -245 (6.22) | P                   | +000 (0.00) | -077 (1.96) |
| G                                      | -126 (3.20) | -209 (5.31) | R                   | -110 (2.79) | +040 (1.02) |
| H                                      | -218 (5.54) | -113 (2.87) |                     |             |             |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 15         | -15             | 14                 | 20            | I              | P<br>All other   | MS20052-15 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 26.59 min  |
| ØAA | 23.01 min  |
| R1  | 24.61      |
| ØT  | 3.25 ±0.13 |

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: 8D015F15PDL

|                |                                     |                                |   |
|----------------|-------------------------------------|--------------------------------|---|
| A              | 12-10-2016                          | First Release                  |   |
| ISS            | DATE                                | Latest modification - by       | MOD N°  |
| Designed By:   |                                     | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | Aluminium Receptacle 8D series      |                                |   |
| SCALE          |                                     | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
| NA             |                                     |                                |   |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>              |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT         | <b>SOURIAU DRG N° 8D015F15PDL-C</b> |                                | SHEET<br>2/2  |