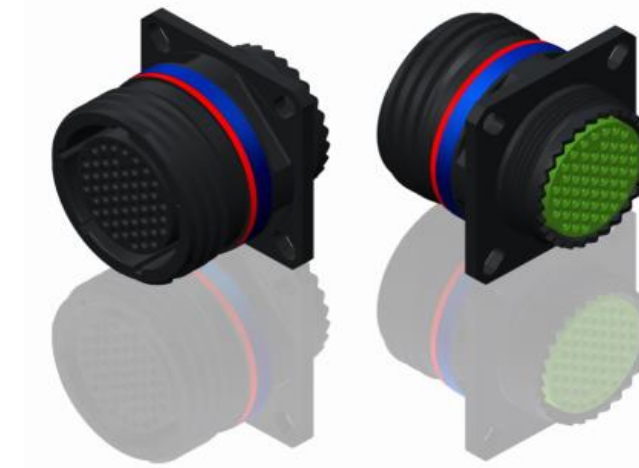
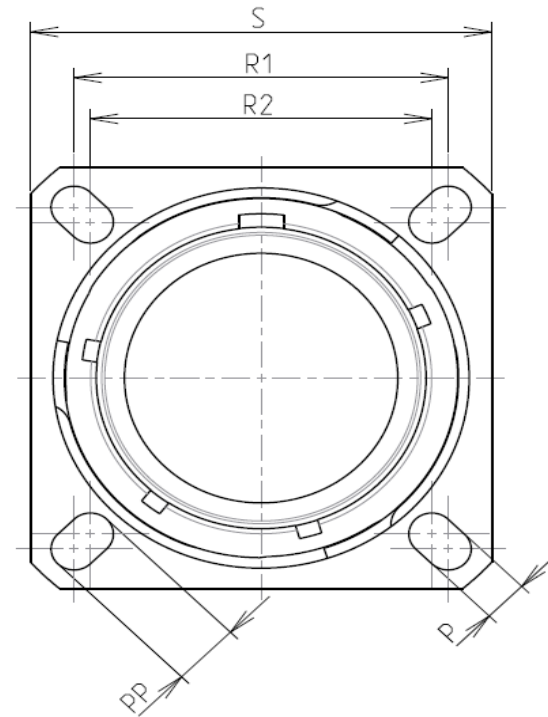




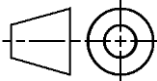
Keying Shown as example

- 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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 19.6 g ± 10%

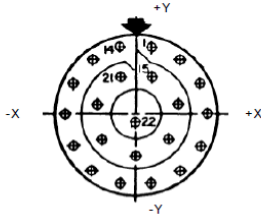
| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.25±0.2      |
| PP                  | 4.93±0.2      |
| R1                  | 23.01         |
| R2                  | 20.62         |
| S                 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

| Country | Jurisdiction & Control List |
|---------|-----------------------------|
| FR      | Not Listed                  |

PN: 8D013X35SE

|                |                                                                                       |                                      |                                                                                                                |
|----------------|---------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------|
| A              | 16-10-2016                                                                            | First Release                        |                                                                                                                |
| ISS            | DATE                                                                                  | Latest modification - by             | MOD N°                                                                                                         |
| Designed By:   |                                                                                       | Date:                                | <b>CUSTOMER DRAWING</b>                                                                                        |
| <b>TITLE</b>   |                                                                                       | Composite Receptacle 8D series       |                                                                                                                |
| SCALE          |  | General linear<br>Tolerances:<br>±-- | NPRDS / PROJECT<br><br><b>859</b>                                                                              |
| NA             |                                                                                       |                                      |                                                                                                                |
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| FORMAT         | <b>SOURIAU DRG N°<br/>8D013X35SE-C</b>                                                |                                      | SHEET<br><br>1/2                                                                                               |
| <b>A3</b>      |                                                                                       |                                      |                                                                                                                |

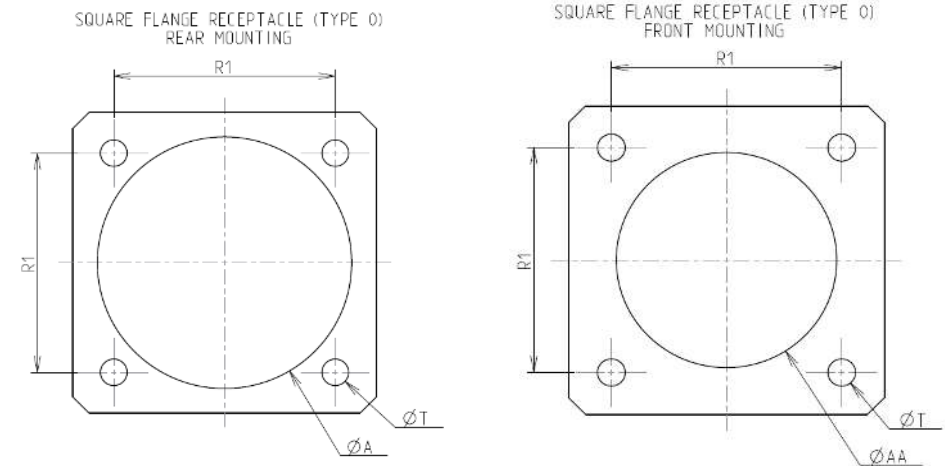
Contact Layout



| Contacts<br>(Insert arrangement 13-35) |                |                |                           |                |                |
|----------------------------------------|----------------|----------------|---------------------------|----------------|----------------|
| Contact<br>position<br>ID              | Location       |                | Contact<br>position<br>ID | Location       |                |
|                                        | X-axis<br>(mm) | Y-axis<br>(mm) |                           | X-axis<br>(mm) | Y-axis<br>(mm) |
| 1                                      | +045 (1.14)    | +197 (5.00)    | 12                        | -182 (4.62)    | +088 (2.24)    |
| 2                                      | +126 (3.20)    | +158 (4.01)    | 13                        | -126 (3.20)    | +158 (4.01)    |
| 3                                      | +182 (4.62)    | +088 (2.24)    | 14                        | -045 (1.14)    | +197 (5.00)    |
| 4                                      | +203 (5.16)    | +000 (0.00)    | 15                        | +045 (1.14)    | +107 (2.72)    |
| 5                                      | +182 (4.62)    | -088 (2.24)    | 16                        | +117 (2.97)    | +026 (0.66)    |
| 6                                      | +126 (3.20)    | -158 (4.01)    | 17                        | +093 (2.36)    | -075 (1.91)    |
| 7                                      | +045 (1.14)    | -197 (5.00)    | 18                        | +000 (0.00)    | -120 (3.05)    |
| 8                                      | -045 (1.14)    | -197 (5.00)    | 19                        | -093 (2.36)    | -075 (1.91)    |
| 9                                      | -126 (3.20)    | -158 (4.01)    | 20                        | -117 (2.97)    | +026 (0.66)    |
| 10                                     | -182 (4.62)    | -088 (2.24)    | 21                        | -045 (1.14)    | +107 (2.72)    |
| 11                                     | -203 (5.16)    | +000 (0.00)    | 22                        | +000 (0.00)    | -030 (0.76)    |

| (Applicable to MIL-DTL-38999 only) |                    |                       |                  |                   |                     |            |
|------------------------------------|--------------------|-----------------------|------------------|-------------------|---------------------|------------|
| Shell<br>size                      | Arrangement<br>no. | Number of<br>contacts | Size<br>contacts | Service<br>rating | Contact<br>location | Supersedes |
| 13                                 | -35                | 22                    | 22D              | M                 | All                 | MS27527-35 |

Panel Cutout

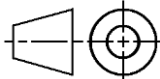


| Dim | Nominal    |
|-----|------------|
| ØA  | 23.42 min  |
| ØAA | 19.05 min  |
| R1  | 23.01      |
| ØT  | 3.25 ±0.13 |

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: 8D013X35SE

|              |                                                                                       |                                |                  |                                                                                                                |
|--------------|---------------------------------------------------------------------------------------|--------------------------------|------------------|----------------------------------------------------------------------------------------------------------------|
| A            | 16-10-2016                                                                            | First Release                  |                  |                                                                                                                |
| ISS          | DATE                                                                                  | Latest modification - by       |                  | MOD N°                                                                                                         |
| Designed By: |                                                                                       | Date:                          | CUSTOMER DRAWING |                                                                                                                |
| TITLE        |                                                                                       | Composite Receptacle 8D series |                  |                                                                                                                |
| SCALE        |  | General linear<br>Tolerances:  | NPRDS / PROJECT  |                                                                                                                |
| NA           |                                                                                       | ±--                            | 859              |                                                                                                                |
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| FORMAT       | SOURIAU DRG N°<br>8D013X35SE-C                                                        |                                |                  | SHEET<br>2/2                                                                                                   |