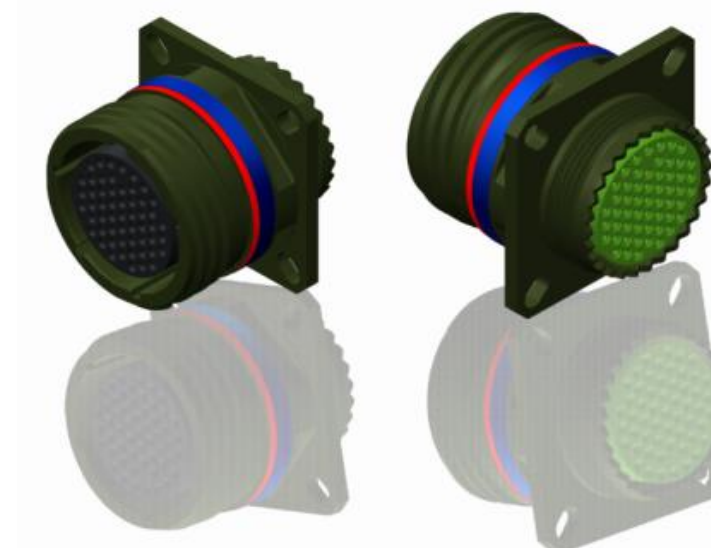
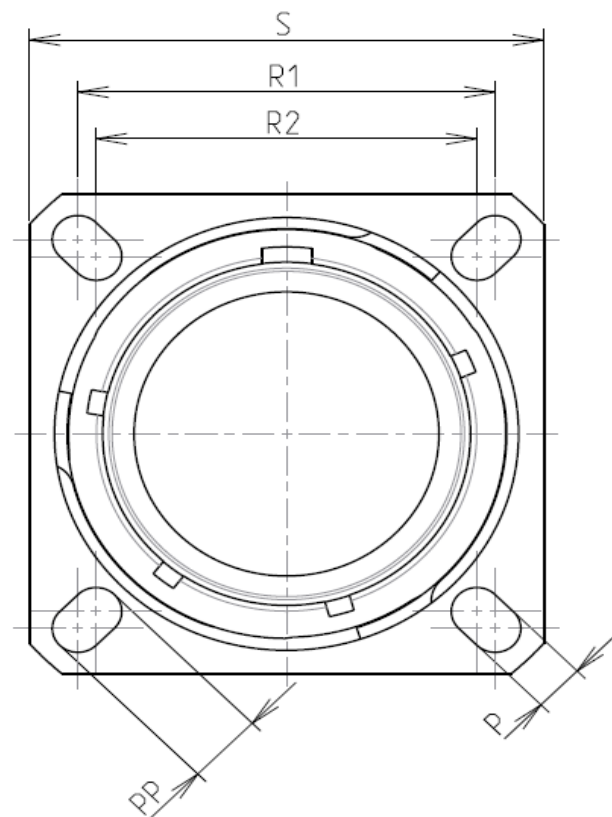




LAYOUT SHOWN AS EXAMPLE

## 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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 58.6 g ± 10%

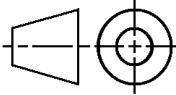
| Connector dimension |             |
|---------------------|-------------|
| Dim                 | Nominal     |
| P                   | 3.91±0.2    |
| PP                  | 6.15±0.2    |
| R1                  | 34.93       |
| R2                  | 31.75       |
| S                   | 42.9±0.3    |
| V'                  | 18.7+1.4/-0 |
| W'                  | 2.1/4.35    |
| Z'                  | 32 Max      |
| VV THREAD           | M34x1-6g    |

Keying Shown as example

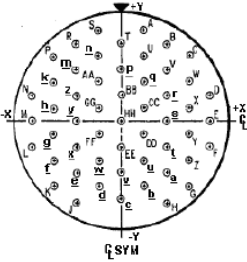
SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

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

PN: 8D023J53SA

|              |                                                                                       |                                |                  |                                                                                                                |
|--------------|---------------------------------------------------------------------------------------|--------------------------------|------------------|----------------------------------------------------------------------------------------------------------------|
| A            | 22-09-2016                                                                            | First Release                  |                  |                                                                                                                |
| ISS          | DATE                                                                                  | Latest modification - by       |                  | MOD N°                                                                                                         |
| Designed By: |                                                                                       | Date:                          | CUSTOMER DRAWING |                                                                                                                |
| TITLE        |                                                                                       | Composite Receptacle 8D series |                  |                                                                                                                |
| SCALE        |  | General linear                 | NPRDS / PROJECT  |                                                                                                                |
| NA           |                                                                                       | Tolerances:<br>±--             | 859              |                                                                                                                |
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| FORMAT       | SOURIAU DRG N°<br>8D023J53SA-C                                                        |                                |                  | SHEET<br>1/2                                                                                                   |

Contact Layout

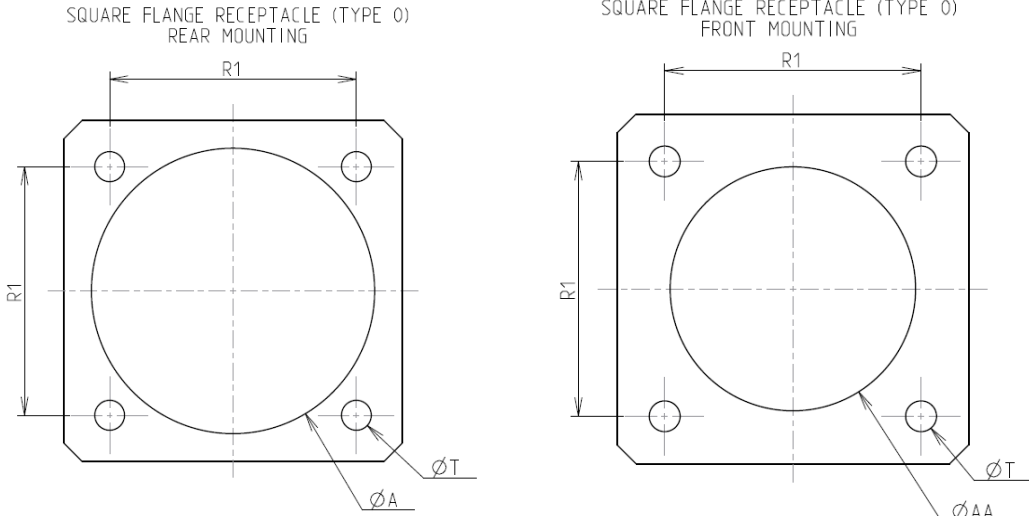


| Contacts<br>(Insert arrangement 23-53) |               |               |                     |              |              |
|----------------------------------------|---------------|---------------|---------------------|--------------|--------------|
| Contact position ID                    | Location      |               | Contact position ID | Location     |              |
|                                        | X-axis (mm)   | Y-axis (mm)   |                     | X-axis (mm)  | Y-axis (mm)  |
| A                                      | + 112 (2.84)  | + 455 (11.56) | a                   | - 225 (5.72) | - 260 (6.60) |
| B                                      | + 225 (5.72)  | + 390 (9.91)  | f                   | - 336 (8.53) | - 195 (4.95) |
| C                                      | + 336 (8.53)  | + 325 (8.26)  | q                   | - 336 (8.53) | - 065 (1.65) |
| D                                      | + 450 (11.43) | + 130 (3.30)  | h                   | - 336 (8.53) | + 065 (1.65) |
| E                                      | + 450 (11.43) | + 000 (0.00)  | k                   | - 336 (8.53) | + 195 (4.95) |
| F                                      | + 450 (11.43) | - 130 (3.30)  | m                   | - 225 (5.72) | + 260 (6.60) |
| G                                      | + 336 (8.53)  | - 325 (8.26)  | n                   | - 112 (2.84) | + 325 (8.26) |
| H                                      | + 225 (5.72)  | - 410 (10.41) | p                   | + 000 (0.00) | + 260 (6.60) |
| J                                      | - 225 (5.72)  | - 410 (10.41) | q                   | + 112 (2.84) | + 195 (4.95) |
| K                                      | - 336 (8.53)  | - 325 (8.26)  | r                   | + 225 (5.72) | + 130 (3.30) |
| L                                      | - 450 (11.43) | - 130 (3.30)  | s                   | + 225 (5.72) | + 000 (0.00) |
| M                                      | - 450 (11.43) | + 000 (0.00)  | t                   | + 225 (5.72) | - 130 (3.30) |
| N                                      | - 450 (11.43) | + 130 (3.30)  | u                   | + 112 (2.84) | - 195 (4.95) |
| P                                      | - 336 (8.53)  | + 325 (8.26)  | v                   | + 000 (0.00) | - 260 (6.60) |
| R                                      | - 225 (5.72)  | + 390 (9.91)  | w                   | - 112 (2.84) | - 195 (4.95) |
| S                                      | - 112 (2.84)  | + 455 (11.56) | x                   | - 225 (5.72) | - 130 (3.30) |
| T                                      | + 000 (0.00)  | + 390 (9.91)  | y                   | - 225 (5.72) | + 000 (0.00) |
| U                                      | + 112 (2.84)  | + 325 (8.26)  | z                   | - 225 (5.72) | + 130 (3.30) |
| V                                      | + 225 (5.72)  | + 260 (6.60)  | AA                  | - 112 (2.84) | + 195 (4.95) |

| Contacts<br>(Insert arrangement 23-53) |              |              |                     |              |              |
|----------------------------------------|--------------|--------------|---------------------|--------------|--------------|
| Contact position ID                    | Location     |              | Contact position ID | Location     |              |
|                                        | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm)  | Y-axis (mm)  |
| W                                      | + 336 (8.53) | + 195 (4.95) | BB                  | + 000 (0.00) | + 130 (3.30) |
| X                                      | + 336 (8.53) | + 065 (1.65) | CC                  | + 112 (2.84) | + 065 (1.65) |
| Y                                      | + 336 (8.53) | - 065 (1.65) | DD                  | + 112 (2.84) | - 065 (1.65) |
| Z                                      | + 336 (8.53) | - 195 (4.95) | EE                  | + 000 (0.00) | - 130 (3.30) |
| a                                      | + 225 (5.72) | - 260 (6.60) | FF                  | - 112 (2.84) | - 065 (1.65) |
| b                                      | + 112 (2.84) | - 325 (8.26) | GG                  | - 112 (2.84) | + 065 (1.65) |
| c                                      | + 000 (0.00) | - 390 (9.91) | HH                  | + 000 (0.00) | + 000 (0.00) |
| d                                      | - 112 (2.84) | - 325 (8.26) | ---                 | ---          | ---          |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 23         | -53             | 53                 | 20            | I              | All              | MS20056-53 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 39.29 min  |
| ØAA | 34.93 min  |
| R1  | 34.93      |
| ØT  | 3.91 ±0.13 |

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

PN: 8D023J53SA

|              |                                |                                |                                                                                                          |
|--------------|--------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------|
| A            | 22-09-2016                     | First Release                  |                                                                                                          |
| ISS          | DATE                           | Latest modification - by       | MOD N°                                                                                                   |
| Designed By: |                                | Date:                          | CUSTOMER DRAWING                                                                                         |
| TITLE        |                                | Composite Receptacle 8D series |                                                                                                          |
| SCALE        |                                | General linear Tolerances:     | NPRDS / PROJECT                                                                                          |
| NA           |                                | ±--                            | 859                                                                                                      |
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| FORMAT       | SOURIAU DRG N°<br>8D023J53SA-C |                                | SHEET<br>2/2                                                                                             |