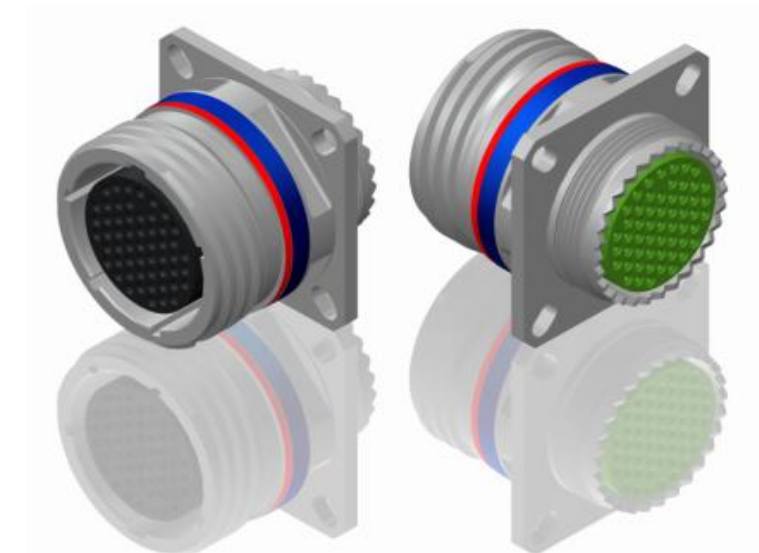
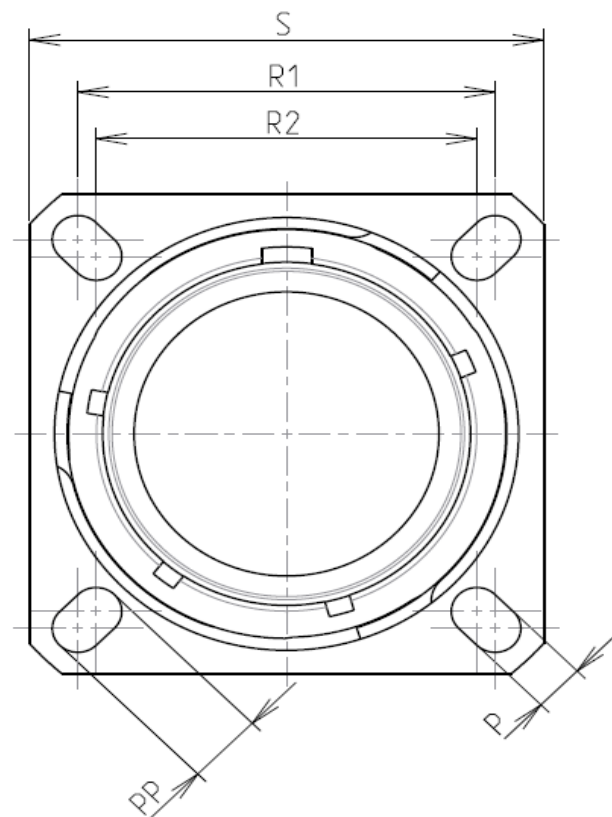




LAYOUT SHOWN AS EXAMPLE

## CHARACTERISTICS

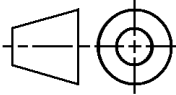
- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Nickel
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 2000 hours

| 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    |

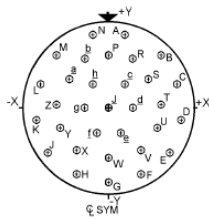
SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

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

PN: 8D023M32SB

|              |                                                                                       |                                |                  |                                                                                                                |
|--------------|---------------------------------------------------------------------------------------|--------------------------------|------------------|----------------------------------------------------------------------------------------------------------------|
| A            | 23-09-2016                                                                            | 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>8D023M32SB-C                                                        |                                |                  | SHEET<br>1/2                                                                                                   |

Contact Layout

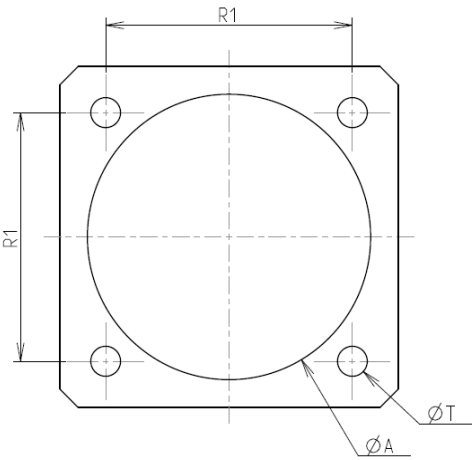


| Contacts<br>(Insert arrangement 23-32) |              |              |                     |             |             |
|----------------------------------------|--------------|--------------|---------------------|-------------|-------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |             |
|                                        | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +100 (2.54)  | +450 (11.43) | T                   | +325 (8.26) | +025 (0.64) |
| B                                      | +325 (8.26)  | +325 (8.26)  | U                   | +300 (7.62) | -125 (3.18) |
| C                                      | +425 (10.80) | +150 (3.81)  | V                   | +200 (5.08) | -250 (6.35) |
| D                                      | +450 (11.43) | -075 (1.91)  | W                   | +000 (0.00) | -300 (7.62) |
| E                                      | +375 (9.53)  | -275 (6.99)  | X                   | -200 (5.08) | -250 (6.35) |
| F                                      | +200 (5.08)  | -400 (10.16) | Y                   | -300 (7.62) | -125 (3.18) |
| G                                      | +000 (0.00)  | -450 (11.43) | Z                   | -325 (8.26) | +025 (0.64) |
| H                                      | -200 (5.08)  | -400 (10.16) | a                   | -250 (6.35) | +175 (4.45) |
| J                                      | -375 (9.53)  | -275 (6.99)  | b                   | -150 (3.81) | +300 (7.62) |
| K                                      | -450 (11.43) | -075 (1.91)  | c                   | +100 (2.54) | +150 (3.81) |
| L                                      | -425 (10.80) | +150 (3.81)  | d                   | +150 (3.81) | +000 (0.00) |
| M                                      | -325 (8.26)  | +325 (8.26)  | e                   | +075 (1.91) | -150 (3.81) |
| N                                      | -100 (2.54)  | +450 (11.43) | f                   | -075 (1.91) | -150 (3.81) |
| P                                      | +000 (0.00)  | +325 (8.26)  | g                   | -150 (3.81) | +000 (0.00) |
| R                                      | +150 (3.81)  | +300 (7.62)  | h                   | -100 (2.54) | +150 (3.81) |
| S                                      | +250 (6.35)  | +175 (4.45)  | j                   | +000 (0.00) | +000 (0.00) |

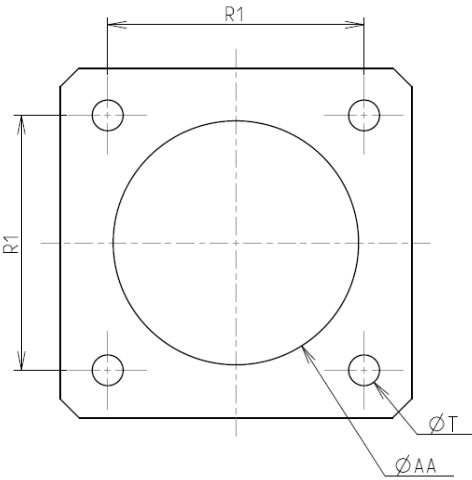
| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 23         | -32             | 32                 | 20            | I              | All              | MS20056-32 |

Panel Cutout

SQUARE FLANGE RECEPTACLE (TYPE O)  
REAR MOUNTING



SQUARE FLANGE RECEPTACLE (TYPE O)  
FRONT MOUNTING

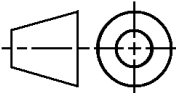


| Dim | Nominal    |
|-----|------------|
| ØA  | 39.29 min  |
| ØAA | 34.93 min  |
| R1  | 34.93      |
| ØT  | 3.91 ±0.13 |

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: 8D023M32SB

|              |                                                                                       |                                |                  |                                                                                                          |
|--------------|---------------------------------------------------------------------------------------|--------------------------------|------------------|----------------------------------------------------------------------------------------------------------|
| A            | 23-09-2016                                                                            | 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>8D023M32SB-C                                                        |                                |                  | SHEET<br>2/2                                                                                             |