



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- 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 : 500 hours
- Mass : 125.58 g ± 10%

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.91±0.2      |
| PP                  | 6.15±0.2      |
| R1                  | 38.1          |
| R2                  | 34.93         |
| S                   | 46±0.3        |
| V                   | 20.07+0/-1.25 |
| W                   | 2.1/3.2       |
| Z                   | 31.5 Max      |
| VV THREAD           | M37x1-6g      |

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: 8D025S08PN**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 17-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

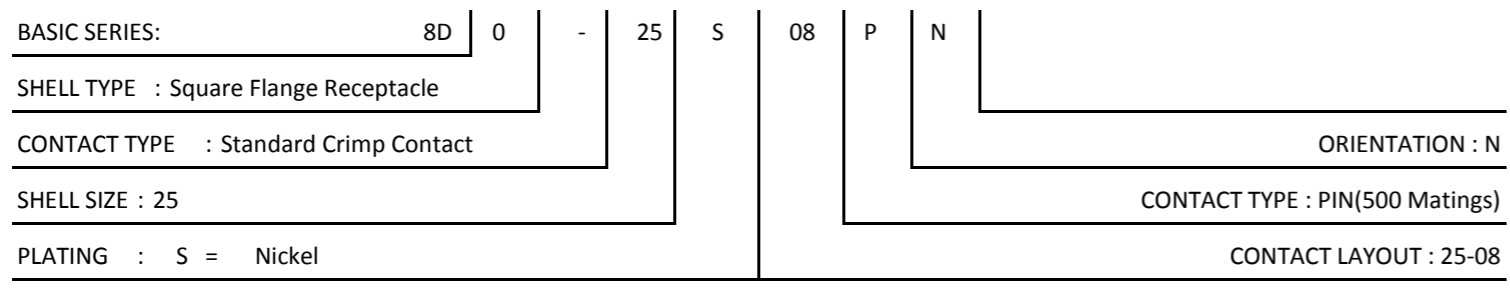
**TITLE** Stainless Steel Receptacle 8D series

|       |  |                            |                 |
|-------|--|----------------------------|-----------------|
| SCALE |  | General linear Tolerances: | NPRDS / PROJECT |
| NA    |  | ±--                        | <b>859</b>      |

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|           |                                    |  |            |
|-----------|------------------------------------|--|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D025S08PN-C</b> |  | SHEET      |
| <b>A3</b> |                                    |  | <b>1/2</b> |



Contact Layout



Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 25-10.)

| Contacts<br>(Insert arrangement 25-8) |                  |              |
|---------------------------------------|------------------|--------------|
| Contact position ID                   | Contact location |              |
|                                       | X-axis (mm)      | Y-axis (mm)  |
| A                                     | -000 (0.00)      | +426 (10.82) |
| B                                     | +333 (8.46)      | +266 (6.76)  |
| C                                     | +415 (10.54)     | -095 (2.41)  |
| D                                     | +185 (4.70)      | -384 (9.75)  |
| E                                     | -185 (4.70)      | -384 (9.75)  |
| F                                     | -415 (10.54)     | -095 (2.41)  |
| G                                     | -333 (8.46)      | +266 (6.76)  |
| H                                     | +000 (0.00)      | +000 (0.00)  |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Standard contact |               |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------------|---------------|
|            |                 |                    |               |                |                  | Pin              | Socket        |
| 25         | -8              | 8                  | 8             | Twinax         | All              | M39029/90-529    | M39029/91-530 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 42.47 min  |
| ØAA | 37.69 min  |
| R1  | 38.1       |
| ØT  | 3.81 ±0.13 |

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|                |                                             |                            |                                                                                                       |
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| A              | 17-10-2016                                  | First Release              |                                                                                                       |
| ISS            | DATE                                        | Latest modification - by   | MOD N°                                                                                                |
| Designed By:   |                                             | Date:                      | <b>CUSTOMER DRAWING</b>                                                                               |
| <b>TITLE</b>   | <b>Stainless Steel Receptacle 8D series</b> |                            |                                                                                                       |
| SCALE          |                                             | General linear Tolerances: | NPRDS / PROJECT                                                                                       |
| NA             |                                             | ±--                        | <b>859</b>                                                                                            |
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| FORMAT         | <b>SOURIAU DRG N° 8D025S08PN-C</b>          |                            | SHEET 2/2                                                                                             |