



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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 48 hours
- Mass : 80.39 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: 8D025F29SN**

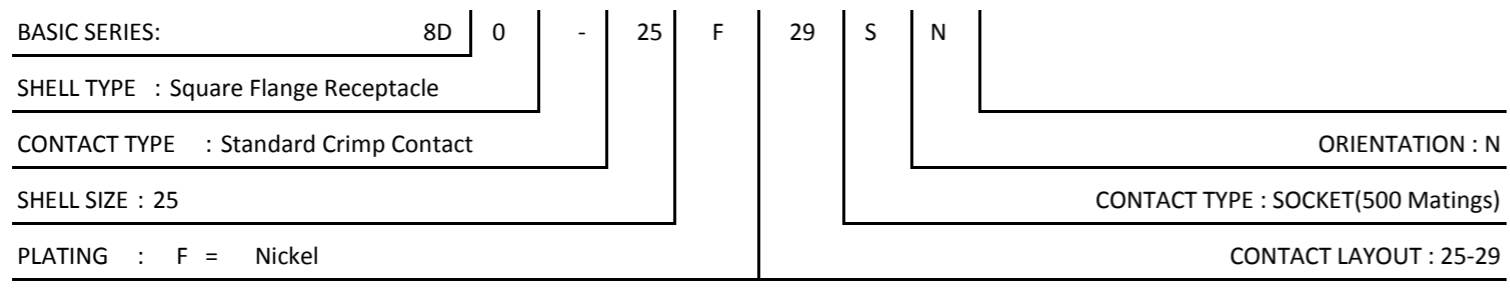
|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 07-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                       |  |  |
|--------------|---------------------------------------|--|--|
| <b>TITLE</b> | <b>Aluminium Receptacle 8D series</b> |  |  |
|--------------|---------------------------------------|--|--|

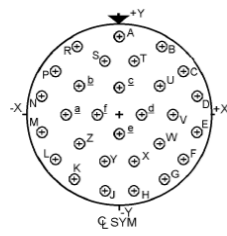
|       |  |                            |                 |
|-------|--|----------------------------|-----------------|
| SCALE |  | General linear Tolerances: | NPRDS / PROJECT |
| NA    |  | ±--                        | <b>859</b>      |

|                |                        |  |
|----------------|------------------------|--|
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|           |                       |            |
|-----------|-----------------------|------------|
| FORMAT    | <b>SOURIAU DRG N°</b> | SHEET      |
| <b>A3</b> | <b>8D025F29SN-C</b>   | <b>1/2</b> |



Contact Layout



| Contacts<br>(Insert arrangement 25-29) |               |              |                     |              |              |
|--|---------------|--------------|---------------------|--------------|--------------|
| Contact position ID                    | Location      |              | Contact position ID | Location     |              |
|  | X-axis (mm)   | Y-axis (mm)  |                     | X-axis (mm)  | Y-axis (mm)  |
| A                                      | +000 (0.00)   | +481 (12.22) | S                   | -.091 (2.31) | +321 (8.15)  |
| B                                      | +258 (6.55)   | +406 (10.31) | T                   | +091 (2.31)  | +321 (8.15)  |
| C                                      | +395 (10.03)  | +277 (7.04)  | U                   | +228 (5.79)  | +194 (4.93)  |
| D                                      | +469 (11.91)  | +109 (2.77)  | V                   | +319 (8.10)  | +000 (0.00)  |
| E                                      | -.460 (11.91) | -100 (2.77)  | W                   | -.240 (6.10) | -.181 (4.60) |
| F                                      | +395 (10.03)  | -277 (7.04)  | X                   | +091 (2.31)  | -.290 (7.37) |
| G                                      | +263 (6.68)   | -406 (10.31) | Y                   | -.091 (2.31) | -.290 (7.37) |
| H                                      | +091 (2.31)   | -472 (11.99) | Z                   | -.240 (6.10) | -.181 (4.60) |
| J                                      | -.091 (2.31)  | -472 (11.99) | a                   | -.319 (8.10) | +000 (0.00)  |
| K                                      | -.263 (6.68)  | -406 (10.31) | b                   | -.228 (5.79) | +194 (4.93)  |
| L                                      | -.395 (10.03) | -277 (7.04)  | c                   | +000 (0.00)  | +161 (4.09)  |
| M                                      | -.469 (11.91) | -109 (2.77)  | d                   | +134 (3.40)  | +000 (0.00)  |
| N                                      | -.469 (11.91) | +109 (2.77)  | e                   | +000 (0.00)  | -.130 (3.30) |
| P                                      | -.395 (10.03) | +277 (7.04)  | f                   | -.134 (3.40) | +000 (0.00)  |
| R                                      | -.258 (6.55)  | +406 (10.31) | ---                 | ---          | ---          |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25         | -29             | 29                 | 16            | I              | All              | MS20057-29 |

Panel Cutout



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

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| <b>TITLE</b>   | Aluminium Receptacle 8D series     |                                |   |
| SCALE          |                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
| NA             |                                    |                                |   |
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| FORMAT         | <b>SOURIAU DRG N° 8D025F29SN-C</b> |                                | SHEET<br>2/2  |