



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 : 500 hours
- Mass : 62.16 g ± 10%

| Connector dimension |                |
|---------------------|----------------|
| Dim                 | Nominal        |
| A                   | 52.4±0.3       |
| B                   | 36.5+0.1/-0.15 |
| R                   | 32.5Max        |
| S                   | 49.2±0.4       |
| W                   | 3+0.9/-0.1     |
| VV THREAD           | M31x1-6g       |

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: 8D721W75AN**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 08-11-2016                         | First Release                  |                               |
| ISS   | DATE                               | Latest modification - by       | MOD N°                        |
| Designed By:  |                                    | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                    | Aluminium Receptacle 8D series |                               |
| SCALE   | NA                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
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| FORMAT  | <b>SOURIAU DRG N° 8D721W75AN-C</b> |                                | SHEET<br>1/2                  |

|                |                        |   |   |    |   |    |   |                                 |
|----------------|------------------------|---|---|----|---|----|---|---------------------------------|
| BASIC SERIES:  | 8D                     | 7 | - | 21 | W | 75 | A | N                               |
| SHELL TYPE :   | Jam nut Receptacle     |   |   |    |   |    |   |                                 |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |   |                                 |
| SHELL SIZE :   | 21                     |   |   |    |   |    |   |                                 |
| PLATING :      | W = Olive drab Cadmium |   |   |    |   |    |   |                                 |
|                |                        |   |   |    |   |    |   | ORIENTATION : N                 |
|                |                        |   |   |    |   |    |   | CONTACT TYPE : PIN(500 Matings) |
|                |                        |   |   |    |   |    |   | CONTACT LAYOUT : 21-75          |

Contact Layout



(Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 21-76.)

| Contacts<br>(Insert arrangement 21-75) |             |             |
|--|-------------|-------------|
| Contact position ID                    | Location    |             |
|  | X axis      | Y axis      |
| A                                      | +180 (4.57) | +180 (4.57) |
| B                                      | +180 (4.57) | -180 (4.57) |
| C                                      | -180 (4.57) | -180 (4.57) |
| D                                      | -180 (4.57) | +180 (4.57) |

| Shell size | Arrangement no. | Number of contacts | Size contacts   | Service rating | Contact location | Standard contact |               |
|------------|-----------------|--------------------|-----------------|----------------|------------------|------------------|---------------|
|            |                 |                    |                 |                |                  | Pin              | Socket        |
| 21         | -75             | 4                  | 8<br>(see note) | Twinax         | All              | M39029/90-529    | M39029/91-530 |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



Max. thickness panel for receptacle: Type 7: 3.2 mm

| Dim | Nominal       |
|-----|---------------|
| B   | 37.08+0/-0.25 |
| ØC  | 38.35+0.25/-0 |

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| <b>TITLE</b>   | Aluminium Receptacle 8D series     |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D721W75AN-C</b> |                            | SHEET 2/2   |