



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Black Zinc 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 +175°C
- Salt Spray : 500 hours

| 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: 8D721Z72SC**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 08-11-2016                            | 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          | NA                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>SOURIAU DRG N° 8D721Z72SC-C</b>    |                                | SHEET<br>1/2  |

|                |                                    |   |   |    |   |    |   |   |                 |
|----------------|------------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES:  | 8D                                 | 7 | - | 21 | Z | 72 | S | C | ORIENTATION : C |
| SHELL TYPE :   | Jam nut Receptacle                 |   |   |    |   |    |   |   |                 |
| CONTACT TYPE : | Standard Crimp Contact             |   |   |    |   |    |   |   |                 |
| SHELL SIZE :   | 21                                 |   |   |    |   |    |   |   |                 |
| PLATING :      | Z = Black Zinc Nickel              |   |   |    |   |    |   |   |                 |
|                | CONTACT TYPE : SOCKET(500 Matings) |   |   |    |   |    |   |   |                 |
|                | CONTACT LAYOUT : 21-72             |   |   |    |   |    |   |   |                 |

Contact Layout



2#4 Power  
6#16

| 21-72 |       |       |
|-------|-------|-------|
| Ctc   | X     | Y     |
| A     | 0     | 6.19  |
| B     | 8.5   | 4.3   |
| C     | 6.25  | 0     |
| D     | 8.5   | -4.3  |
| E     | 0     | -6.19 |
| F     | -8.5  | -4.3  |
| G     | -6.25 | 0     |
| H     | -8.5  | 4.3   |

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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| NA             |                                       | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D721Z72SC-C</b>    |                            | SHEET 2/2   |