



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 without Souriau contacts
- 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: 8D721W77PNL

| | | | |
|-----|------------|--------------------------|--------|
| A | 08-11-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |

Designed By: _____ Date: _____ **CUSTOMER DRAWING**

| | | | |
|--------------|--------------------------------|--|--|
| TITLE | Aluminium Receptacle 8D series | | |
|--------------|--------------------------------|--|--|

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

| | | |
|----------------|------------------------|----------------------------------------------------------------------------------------------------------|
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| | | |
|-----------|-------------------------------------|------------|
| FORMAT | SOURIAU DRG N° 8D721W77PNL-C | SHEET |
| A3 | | 1/2 |

| | | | | | | | | | | |
|----------------|------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES: | 8D | 7 | - | 21 | W | 77 | P | N | L | Delivered W/O Contacts |
| SHELL TYPE : | Jam nut Receptacle | | | | | | | | | ORIENTATION : N |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | | CONTACT TYPE : PIN(500 Matings) |
| SHELL SIZE : | 21 | | | | | | | | | CONTACT LAYOUT : 21-77 |
| PLATING : | W = Olive drab Cadmium | | | | | | | | | |

Contact Layout

77



17#22D
2#8 Triax

| 21-77 | | |
|-------|--------|-------|
| Ctc | X | Y |
| A | 1.96 | 8.38 |
| B | 5.46 | 7.67 |
| C | 8.51 | 5.79 |
| D | 10.46 | 2.82 |
| E | 10.46 | -2.82 |
| F | 8.51 | -5.79 |
| G | 5.46 | -7.67 |
| H | 1.96 | -8.38 |
| J | 0 | -5.41 |
| K | -1.96 | -8.38 |
| L | -5.46 | -7.67 |
| M | -8.51 | -5.79 |
| N | -10.46 | -2.82 |
| P | -10.46 | 2.82 |
| R | -8.51 | 5.79 |
| S | -5.46 | 7.67 |
| T | -1.96 | 8.38 |
| U | -4.57 | 0 |
| V | 4.57 | 0 |

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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| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Aluminium Receptacle 8D series | | |
| SCALE | | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
| NA | | | |
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| FORMAT | SOURIAU DRG N° 8D721W77PNL-C | | SHEET 2/2 |