



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Stainless Steel
- Shell Plating : Passivated
- 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

| 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: 8D721K75BC

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

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

| | | | |
|--------------|--------------------------------------|--|--|
| TITLE | Stainless Steel Receptacle 8D series | | |
|--------------|--------------------------------------|--|--|

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

| | | |
|----------------|------------------------|--|
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| | | |
|-----------|------------------------------------|-------|
| FORMAT | SOURIAU DRG N° 8D721K75BC-C | SHEET |
| A3 | | 1/2 |

| | | | | | | | | | |
|----------------|------------------------------------|---|---|----|---|----|---|---|-----------------|
| BASIC SERIES: | 8D | 7 | - | 21 | K | 75 | B | C | ORIENTATION : C |
| SHELL TYPE : | Jam nut Receptacle | | | | | | | | |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | |
| SHELL SIZE : | 21 | | | | | | | | |
| PLATING : | K = Passivated | | | | | | | | |
| | CONTACT TYPE : SOCKET(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 (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 (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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| FORMAT | SOURIAU DRG N° 8D721K75BC-C | | SHEET 2/2 |