R
22.6 Max
W
B On flat
VV Thread

S
⌀A

Keying Shown as example

LAYOUT 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 : 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: 8D721F75PC

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

Designed By:    Date:    **CUSTOMER DRAWING**

**TITLE**    Aluminium Receptacle 8D series

SCALE NA

General linear Tolerances: ±--

NPRDS / PROJECT **859**

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BASIC SERIES: 8D 7 - 21 F 75 P C

SHELL TYPE : Jam nut Receptacle

CONTACT TYPE : Standard Crimp Contact

SHELL SIZE : 21

PLATING : F = Nickel

ORIENTATION : C

CONTACT TYPE : PIN(500 Matings)

CONTACT LAYOUT : 21-75

FORMAT **A3**

SOURIAU DRG N°
8D721F75PC-C

SHEET 1/2

Contact Layout

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)

(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 |

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

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

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| FORMAT | SOURIAU DRG N° | SHEET |
|---|---|---|
| A3 | 8D721F75PC-C | 2/2 |