



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Without Plating
- 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 : 2000 hours

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.25±0.2      |
| PP                  | 4.93±0.2      |
| R1                  | 31.75         |
| R2                  | 29.36         |
| S                   | 39.7±0.3      |
| V                   | 20.07+0/-1.25 |
| W                   | 2.1/3.2       |
| Z                   | 31.5 Max      |
| 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: 8D021X77PB**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 30-09-2016                            | First Release                  |   |
| ISS            | DATE                                  | Latest modification - by       | MOD N°  |
| Designed By:   |                                       | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |                                |   |
| SCALE          | NA                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>SOURIAU DRG N° 8D021X77PB-C</b>    |                                | SHEET<br>1/2  |

BASIC SERIES: 8D 0 - 21 X 77 P B

SHELL TYPE : Square Flange Receptacle

CONTACT TYPE : Standard Crimp Contact

SHELL SIZE : 21

PLATING : X = Without Plating

ORIENTATION : B

CONTACT TYPE : PIN(500 Matings)

CONTACT LAYOUT : 21-77

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



| Dim | Nominal    |
|-----|------------|
| ØA  | 36.12 min  |
| ØAA | 32.16 min  |
| R1  | 31.75      |
| ØT  | 3.25 ±0.13 |

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| FORMAT         | <b>SOURIAU DRG N° 8D021X77PB-C</b>    |                            | SHEET 2/2   |