



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 without Souriau contacts
- Temperature Range : -65°C to +200°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'                  | 18.7+1.4/-0 |
| W'                  | 2.1/4.35    |
| Z'                  | 32 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: 8D021M77SCL**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 02-11-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

**TITLE** Composite Receptacle 8D series

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

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|           |                                     |  |            |
|-----------|-------------------------------------|--|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D021M77SCL-C</b> |  | SHEET      |
| <b>A3</b> |                                     |  | <b>1/2</b> |

BASIC SERIES: 8D 0 - 21 M 77 S C L

SHELL TYPE : Square Flange Receptacle Delivered W/O Contacts

CONTACT TYPE : Standard Crimp Contact ORIENTATION : C

SHELL SIZE : 21 CONTACT TYPE : SOCKET(500 Matings)

PLATING : M = Nickel 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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| Designed By:   |                                       | Date:                          | <b>CUSTOMER DRAWING</b>                                                                               |
| <b>TITLE</b>   | <b>Composite Receptacle 8D series</b> |                                |                                                                                                       |
| SCALE          |                                       | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>                                                                         |
| NA             |                                       |                                |                                                                                                       |
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