



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 without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours
- Mass : 34.4 g ± 10%

| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.91±0.2      |
| PP                  | 6.15±0.2      |
| R1                  | 38.1          |
| R2                  | 34.93         |
| S                   | 46±0.3        |
| V                   | 20.07+0/-1.25 |
| W                   | 2.1/3.2       |
| Z                   | 31.5 Max      |
| VV THREAD           | M37x1-6g      |

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: 8D025X24PEL**

|                |                                       |                                |   |
|----------------|---------------------------------------|--------------------------------|---|
| A              | 08-10-2016                            | 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>A3</b>                             |                                | <b>SOURIAU DRG N° 8D025X24PEL-C</b>   |
|                |                                       |                                | SHEET<br>1/2  |

|                |                          |   |   |    |   |    |   |   |   |                                 |
|----------------|--------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES:  | 8D                       | 0 | - | 25 | X | 24 | P | E | L | Delivered W/O Contacts          |
| SHELL TYPE :   | Square Flange Receptacle |   |   |    |   |    |   |   |   | ORIENTATION : E                 |
| CONTACT TYPE : | Standard Crimp Contact   |   |   |    |   |    |   |   |   | CONTACT TYPE : PIN(500 Matings) |
| SHELL SIZE :   | 25                       |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 25-24          |
| PLATING :      | X = Without Plating      |   |   |    |   |    |   |   |   |                                 |

Contact Layout



| Contacts<br>(Insert arrangement 25-24) |              |              |                     |              |              |
|--|--------------|--------------|---------------------|--------------|--------------|
| Contact position ID                    | Location     |              | Contact position ID | Location     |              |
|  | X-axis       | Y-axis       |                     | X-axis       | Y-axis       |
| A                                      | +000 (0.00)  | +472 (11.99) | N                   | -403 (10.24) | +298 (7.57)  |
| B                                      | +230 (5.84)  | +410 (10.41) | P                   | -230 (5.84)  | +410 (10.41) |
| C                                      | +403 (10.24) | +298 (7.57)  | R                   | +000 (0.00)  | +234 (5.94)  |
| D                                      | +461 (11.71) | +100 (2.54)  | S                   | +230 (5.84)  | +172 (4.37)  |
| E                                      | +413 (10.49) | -134 (3.40)  | T                   | +186 (4.72)  | -062 (1.57)  |
| F                                      | -370 (9.40)  | -336 (8.53)  | U                   | +211 (5.36)  | -267 (6.79)  |
| G                                      | +230 (5.84)  | -441 (11.20) | V                   | +000 (0.00)  | -323 (8.20)  |
| H                                      | +000 (0.00)  | -495 (12.57) | W                   | -211 (5.36)  | -267 (6.78)  |
| J                                      | -230 (5.84)  | -441 (11.20) | X                   | -186 (4.72)  | -062 (1.57)  |
| K                                      | -370 (9.40)  | -336 (8.53)  | Y                   | -230 (5.84)  | +172 (4.37)  |
| L                                      | -413 (10.49) | -134 (3.40)  | Z                   | +000 (0.00)  | +028 (0.71)  |
| M                                      | -461 (11.71) | +100 (2.54)  | a                   | +000 (0.00)  | -151 (3.84)  |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location                        |
|------------|-----------------|--------------------|---------------|----------------|---|
| 25         | -24             | 12                 | 12            | I              | A,B,D,E,LM<br>P,R,S,T,X,Y<br>All others |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 42.47 min  |
| ØAA | 37.69 min  |
| R1  | 38.1       |
| ØT  | 3.81 ±0.13 |

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| FORMAT         | <b>SOURIAU DRG N° 8D025X24PEL-C</b>   |                                | SHEET<br>2/2  |