



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- Shell Plating : Olive drab Cadmium
- 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
- Mass : 45.5 g ± 10%

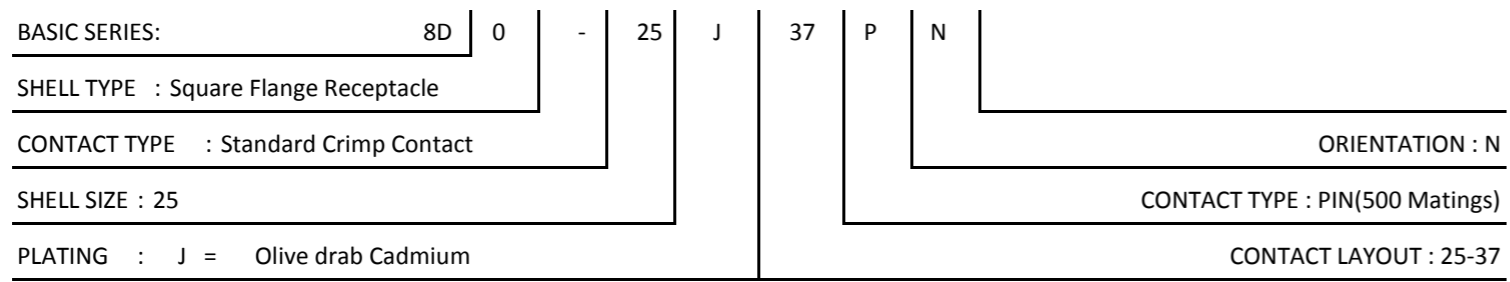
| Connector dimension |             |
|---------------------|-------------|
| Dim                 | Nominal     |
| P                   | 3.91±0.2    |
| PP                  | 6.15±0.2    |
| R1                  | 38.1        |
| R2                  | 34.93       |
| S                   | 46±0.3      |
| V'                  | 18.7+1.4/-0 |
| W'                  | 2.1/4.35    |
| Z'                  | 32 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: 8D025J37PN**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 08-10-2016                         | First Release                  |                               |
| ISS   | DATE                               | Latest modification - by       | MOD N°                        |
| Designed By:  |                                    | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                    | Composite Receptacle 8D series |                               |
| SCALE   | NA                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
| <b>SOURIAU</b>  |                                    | <b>WWW.SOURIAU.COM</b>         |                               |
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| FORMAT  | <b>SOURIAU DRG N° 8D025J37PN-C</b> |                                | SHEET<br>1/2                  |



SHELL TYPE : Square Flange Receptacle  
 CONTACT TYPE : Standard Crimp Contact  
 SHELL SIZE : 25  
 PLATING : J = Olive drab Cadmium

ORIENTATION : N  
 CONTACT TYPE : PIN(500 Matings)  
 CONTACT LAYOUT : 25-37

Contact Layout



| Contacts<br>(Insert arrangement 25-37) |              |              |                     |             |             |
|--|--------------|--------------|---------------------|-------------|-------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |             |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +000 (0.00)  | +472 (11.99) | W                   | +242 (6.15) | +236 (5.99) |
| B                                      | +185 (4.70)  | +472 (11.99) | X                   | +326 (8.28) | +086 (2.18) |
| C                                      | +333 (8.46)  | +382 (9.70)  | Y                   | +326 (8.28) | -086 (2.18) |
| D                                      | +441 (11.20) | +249 (6.32)  | Z                   | +242 (6.15) | -236 (5.99) |
| E                                      | +500 (12.70) | +086 (2.18)  | a                   | +086 (2.18) | -320 (8.13) |
| F                                      | +500 (12.70) | -086 (2.18)  | b                   | -086 (2.18) | -320 (8.13) |
| G                                      | +441 (11.20) | -249 (6.32)  | c                   | -242 (6.15) | -236 (5.99) |
| H                                      | +333 (8.46)  | +382 (9.70)  | d                   | -326 (8.28) | -086 (2.18) |
| J                                      | +186 (4.72)  | -472 (11.99) | e                   | -326 (8.28) | +086 (2.18) |
| K                                      | +000 (0.00)  | -472 (11.99) | f                   | -242 (6.15) | +236 (5.99) |
| L                                      | -186 (4.72)  | -472 (11.99) | g                   | -086 (2.18) | +320 (8.13) |
| M                                      | -333 (8.46)  | -382 (9.70)  | h                   | +000 (0.00) | +172 (4.37) |
| N                                      | -441 (11.20) | -249 (6.32)  | k                   | +154 (3.91) | +086 (2.18) |
| P                                      | -500 (12.70) | -086 (2.18)  | m                   | +154 (3.91) | -086 (2.18) |
| R                                      | -500 (12.70) | +086 (2.18)  | n                   | +000 (0.00) | -172 (4.37) |
| S                                      | -441 (11.20) | +249 (6.32)  | p                   | -154 (3.91) | -086 (2.18) |
| T                                      | -333 (8.46)  | +382 (9.70)  | q                   | -154 (3.91) | +086 (2.18) |
| U                                      | -186 (4.72)  | +472 (11.99) | r                   | +000 (0.00) | +000 (0.00) |
| V                                      | +086 (2.18)  | +320 (8.13)  | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25         | 37              | 37                 | 16            | II             | All              | ---        |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 42.47 min  |
| ØAA | 37.69 min  |
| R1  | 38.1       |
| ØT  | 3.81 ±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   |
| NA             |                                       | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D025J37PN-C</b>    |                            | SHEET 2/2   |