



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
- Mass : 46.1 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: 8D025X24PA

| | | | |
|----------------|---------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------|
| A | 08-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Composite Receptacle 8D series | | |
| SCALE | | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
| NA | | | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
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| FORMAT | SOURIAU DRG N° 8D025X24PA-C | | SHEET 1/2 |

BASIC SERIES: 8D 0 - 25 X 24 P A

SHELL TYPE : Square Flange Receptacle

CONTACT TYPE : Standard Crimp Contact

SHELL SIZE : 25

PLATING : X = Without Plating

ORIENTATION : A

CONTACT TYPE : PIN(500 Matings)

CONTACT LAYOUT : 25-24

Contact Layout



| Contacts (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 P,R,S,T,X,Y All others |
| | | 12 | 16 | | |

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 | SOURIAU DRG N° 8D025X24PA-C | | SHEET 2/2 |