



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 : 500 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: 8D021W72AD

| | | | |
|---|------------------------------------|--------------------------------|-------------------------------|
| A | 03-11-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | | Aluminium Receptacle 8D series | |
| SCALE | NA | General linear Tolerances: ±-- | NPRDS / PROJECT 859 |
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| FORMAT | SOURIAU DRG N° 8D021W72AD-C | | SHEET 1/2 |

| | | | | | | | | |
|---------------|----------------------------|---|---|----|---|----|---|---------------------------------|
| BASIC SERIES: | 8D | 0 | - | 21 | W | 72 | A | D |
| SHELL TYPE | : Square Flange Receptacle | | | | | | | |
| CONTACT TYPE | : Standard Crimp Contact | | | | | | | |
| SHELL SIZE | : 21 | | | | | | | |
| PLATING | : W = Olive drab Cadmium | | | | | | | |
| | | | | | | | | ORIENTATION : D |
| | | | | | | | | CONTACT TYPE : PIN(500 Matings) |
| | | | | | | | | CONTACT LAYOUT : 21-72 |

Contact Layout



2#4 Power
6#16

| 21-72 | | |
|-------|-------|-------|
| Ctc | X | Y |
| A | 0 | 6.19 |
| B | 8.5 | 4.3 |
| C | 6.25 | 0 |
| D | 8.5 | -4.3 |
| E | 0 | -6.19 |
| F | -8.5 | -4.3 |
| G | -6.25 | 0 |
| H | -8.5 | 4.3 |

Panel Cutout



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

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| NA | | ±-- | 859 |
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| FORMAT | SOURIAU DRG N° 8D021W72AD-C | | SHEET 2/2 |