



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Black Zinc 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 +175°C
- Salt Spray : 500 hours
- Mass : 39.97 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: 8D025Z61PAL

| | | | |
|----------------|---------------------------------------|--------------------------------|---|
| A | 10-10-2016 | 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 | A3 | | SOURIAU DRG N° 8D025Z61PAL-C |
| | | | SHEET 1/2 |

| | | | | | | | | | | |
|----------------|--------------------------|---|---|----|---|----|---|---|---|---------------------------------|
| BASIC SERIES: | 8D | 0 | - | 25 | Z | 61 | P | A | L | Delivered W/O Contacts |
| SHELL TYPE : | Square Flange Receptacle | | | | | | | | | ORIENTATION : A |
| CONTACT TYPE : | Standard Crimp Contact | | | | | | | | | CONTACT TYPE : PIN(500 Matings) |
| SHELL SIZE : | 25 | | | | | | | | | CONTACT LAYOUT : 25-61 |
| PLATING : | Z = Black Zinc Nickel | | | | | | | | | |

Contact Layout



| Contacts (Insert arrangement 25-61) | | | | | |
|--|--------------|--------------|---------------------|--------------|--------------|
| Contact position ID | Location | | Contact position ID | Location | |
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| A | +196 (4.98) | +500 (12.70) | J | +251 (6.38) | -314 (7.98) |
| B | +314 (7.98) | +435 (11.05) | K | +133 (3.38) | -379 (9.63) |
| C | +413 (10.49) | +343 (8.71) | L | +000 (0.00) | -402 (10.21) |
| D | +485 (12.32) | +230 (5.84) | M | -133 (3.38) | -379 (9.63) |
| E | +527 (13.39) | +101 (2.57) | N | -251 (6.38) | -314 (7.98) |
| F | +536 (13.61) | -030 (0.76) | O | -341 (8.66) | -213 (5.41) |
| G | +511 (12.98) | -164 (4.17) | P | -392 (9.96) | -088 (2.24) |
| H | +454 (11.53) | -287 (7.29) | Q | -399 (10.13) | +046 (1.17) |
| J | +368 (9.35) | -391 (9.93) | S | -362 (9.19) | +175 (4.45) |
| K | +259 (6.58) | -470 (11.94) | T | -285 (7.24) | +283 (7.19) |
| L | +134 (3.40) | -519 (13.18) | U | -173 (4.39) | +363 (9.22) |
| M | +000 (0.00) | -537 (13.64) | V | +000 (0.00) | +338 (8.59) |
| N | -134 (3.40) | -519 (13.18) | W | +147 (3.73) | +223 (5.66) |
| P | -259 (6.58) | -470 (11.94) | X | +237 (6.02) | +122 (3.10) |
| R | -368 (9.35) | -391 (9.93) | Y | +267 (6.78) | -010 (0.25) |
| S | -454 (11.53) | -287 (7.29) | Z | +228 (5.79) | -139 (3.53) |
| T | -511 (12.98) | -164 (4.17) | AA | +131 (3.33) | -233 (5.92) |
| U | -536 (13.61) | -030 (0.76) | BB | +000 (0.00) | -267 (6.78) |
| V | -527 (13.39) | +101 (2.57) | CC | -131 (3.33) | -233 (5.92) |
| W | -485 (12.32) | +230 (5.84) | DD | -228 (5.79) | -139 (3.53) |
| X | -413 (10.49) | +343 (8.71) | EE | -267 (6.78) | -010 (0.25) |
| Y | -314 (7.98) | +435 (11.05) | FF | -237 (6.02) | +122 (3.10) |
| Z | -196 (4.98) | +500 (12.70) | GG | -147 (3.73) | +223 (5.66) |
| a | -068 (1.73) | +454 (11.53) | HH | +000 (0.00) | +200 (5.08) |
| b | +068 (1.73) | +454 (11.53) | JJ | +105 (2.67) | +094 (2.39) |
| c | +173 (4.39) | +363 (9.22) | KK | +135 (3.43) | -041 (1.04) |
| d | +285 (7.24) | +283 (7.19) | LL | +000 (0.00) | -132 (3.35) |
| e | +362 (9.19) | +175 (4.45) | MM | -135 (3.43) | -041 (1.04) |
| f | +399 (10.13) | -046 (1.17) | NN | -105 (2.67) | +094 (2.39) |
| g | +392 (9.96) | -088 (2.24) | PP | +000 (0.00) | +000 (0.00) |
| h | +341 (8.66) | -213 (5.41) | --- | --- | --- |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25 | -61 | 61 | 20 | I | All | MS20057-61 |

Panel Cutout



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

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|----------------|-------------------------------------|----------------------------|---|
| A | 10-10-2016 | First Release | |
| ISS | DATE | Latest modification - by | MOD N° |
| Designed By: | | Date: | CUSTOMER DRAWING |
| TITLE | Aluminium Receptacle 8D series | | |
| SCALE | | General linear Tolerances: | NPRDS / PROJECT |
| NA | | ±-- | 859 |
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| FORMAT | SOURIAU DRG N° 8D025Z61PAL-C | | SHEET 2/2 |