Keying Shown as example

LAYOUT 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 with Souriau contacts and Accessories

-Temperature Range       :  -65°C to +175°C
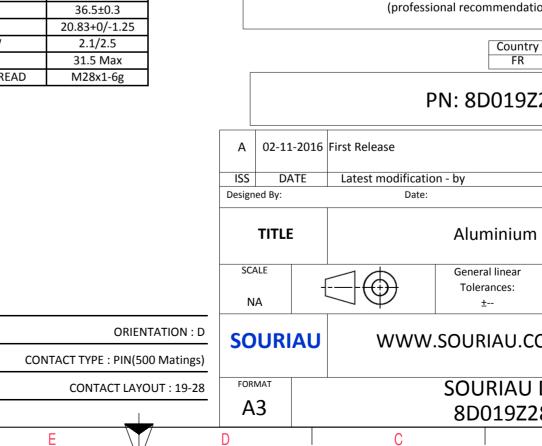
-Salt Spray              : 500 hours

| Connector dimension | |
|---|---|
| **Dim** | **Nominal** |
| P | 3.25±0.2 |
| PP | 4.93±0.2 |
| R1 | 29.36 |
| R2 | 26.97 |
| S | 36.5±0.3 |
| V | 20.83+0/-1.25 |
| W | 2.1/2.5 |
| Z | 31.5 Max |
| VV THREAD | M28x1-6g |

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: 8D019Z28AD

| A | 02-11-2016 | First Release | |
|---|---|---|---|
| ISS | DATE | Latest modification - by | MOD N° |

Designed By:                    Date:                    **CUSTOMER DRAWING**

| BASIC SERIES: | 8D | 0 | - | 19 | Z | 28 | A | D |
|---|---|---|---|---|---|---|---|---|

SHELL TYPE   : Square Flange Receptacle

CONTACT TYPE    : Standard Crimp Contact

ORIENTATION : D

SHELL SIZE : 19

CONTACT TYPE : PIN(500 Matings)

PLATING   :   Z =   Black Zinc Nickel

CONTACT LAYOUT : 19-28

**TITLE**  Aluminium Receptacle 8D series

| SCALE | General linear Tolerances: | NPRDS / PROJECT |
|---|---|---|
| NA | ±-- | **859** |

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| FORMAT | SOURIAU DRG N° | SHEET |
|---|---|---|
| A3 | 8D019Z28AD-C | 1/2 |

Contact Layout



Panel Cutout

SQUARE FLANGE RECEPTACLE (TYPE 0)
REAR MOUNTING



SQUARE FLANGE RECEPTACLE (TYPE 0)
FRONT MOUNTING



Contacts
(Insert arrangement 19-28)

| Contact position ID | Contact location | | Contact position ID | Contact location | |
|---|---|---|---|---|---|
| | X-axis (mm) | Y-axis (mm) | | X-axis (mm) | Y-axis (mm) |
| A | +.066 (1.68) | +.353 (8.97) | R | -.286 (7.26) | +.217 (5.51) |
| B | +.189 (4.80) | +.305 (7.75) | S | -.189 (4.80) | +.305 (7.75) |
| C | +.286 (7.26) | +.217 (5.51) | T | -.066 (1.68) | +.353 (8.97) |
| D | +.345 (8.76) | +.098 (2.49) | U | +.000 (0.00) | +.230 (5.84) |
| E | +.357 (9.07) | -.033 (0.84) | V | +.124 (3.15) | +.193 (4.90) |
| F | +.321 (8.15) | -.160 (4.06) | W | +.209 (5.31) | +.095 (2.41) |
| G | +.242 (6.15) | -.265 (6.73) | X | +.228 (5.79) | -.033 (0.84) |
| H | +.130 (3.30) | -.335 (8.51) | Y | +.174 (4.42) | -.151 (3.84) |
| J | +.000 (0.00) | -.359 (9.12) | Z | +.000 (0.00) | -.191 (4.85) |
| K | -.130 (3.30) | -.335 (8.51) | a | -.174 (4.42) | -.151 (3.84) |
| L | -.242 (6.15) | -.265 (6.73) | b | -.228 (5.79) | -.033 (0.84) |
| M | -.321 (8.15) | -.160 (4.06) | c | -.209 (5.31) | +.095 (2.41) |
| N | -.357 (9.07) | -.033 (0.84) | d | -.124 (3.15) | +.193 (4.90) |
| P | -.345 (8.76) | +.098 (2.49) | e | +.000 (0.00) | +.062 (1.57) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|---|---|---|---|---|---|---|
| 19 | -28 | 2 | 16 | I | e, Z | MS20054-28 |
| | | 26 | 20 | | All others | |

| Dim | Nominal |
|---|---|
| ØA | 32.94 min |
| ØAA | 28.98 min |
| R1 | 29.36 |
| ØT | 3.25 ±0.13 |

| Country | Jurisdiction & Control List |
|---|---|
| FR | Not Listed |

PN: 8D019Z28AD

| A | 02-11-2016 | 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 **859** |
|---|---|---|---|
| NA | | | |

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| FORMAT | SOURIAU DRG N° | SHEET |
|---|---|---|
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