Z
V
W
VV Thread

S
R1
R2
P
PP

Keying Shown as example
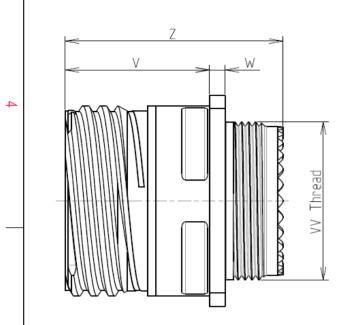
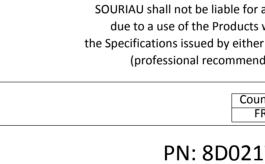LAYOUT SHOWN AS EXAMPLE
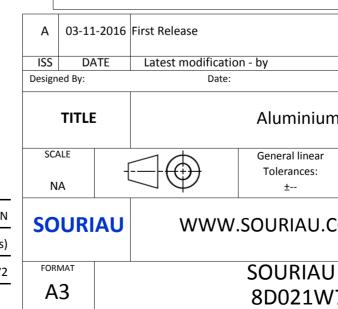
**CHARACTERISTICS**

-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: 8D021W72AN**

| A | 03-11-2016 | 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
NA                                                           **859**

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FORMAT           SOURIAU DRG N°              SHEET
**A3**           8D021W72AN-C               1/2

BASIC SERIES:                8D  0  -  21  W  72  A  N

SHELL TYPE  : Square Flange Receptacle

CONTACT TYPE    : Standard Crimp Contact

ORIENTATION : N

SHELL SIZE : 21

CONTACT TYPE : PIN(500 Matings)

PLATING   :  W =   Olive drab Cadmium

CONTACT LAYOUT : 21-72

Contact Layout

## 72

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

SQUARE FLANGE RECEPTACLE (TYPE 0)
REAR MOUNTING
R1
R1
ØT
ØA

SQUARE FLANGE RECEPTACLE (TYPE 0)
FRONT MOUNTING
R1
R1
ØT
ØAA

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

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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.)

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|---|---|
| FR | Not Listed |

## PN: 8D021W72AN

| A | 03-11-2016 | 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 |
| NA | | ±-- | **859** |

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| FORMAT | SOURIAU DRG N° | SHEET |
|---|---|---|
| A3 | 8D021W72AN-C | 2/2 |