Z

ØF

VV Thread

LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

| Connector dimension | |
|---|---|
| **Dim** | **Nominal** |
| F | 38.1 Max |
| Z | 31.5 Max |
| VV THREAD | M34x1-6g |

## 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

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

## PN: 8D123W53SD

| | | | | |
|---|---|---|---|---|
| A | 27-09-2016 | First Release | | |
| ISS | DATE | Latest modification - by | | MOD N° |

Designed By:          Date:          **CUSTOMER DRAWING**

**TITLE**          Aluminium Inline plug 8D series

SCALE

NA

General linear
Tolerances:
±--

NPRDS / PROJECT

**859**

**SOURIAU**          WWW.SOURIAU.COM

FORMAT

A3

SOURIAU DRG N°
8D123W53SD-C

SHEET

1/2

| BASIC SERIES: | 8D | 1 | - | 23 | W | 53 | S | D |
|---|---|---|---|---|---|---|---|---|

SHELL TYPE  : In line Receptacle

CONTACT TYPE    : Standard Crimp Contact

SHELL SIZE : 23

PLATING    :  W =  Olive drab Cadmium

ORIENTATION : D

CONTACT TYPE : SOCKET(500 Matings)

CONTACT LAYOUT : 23-53

## Contact Layout
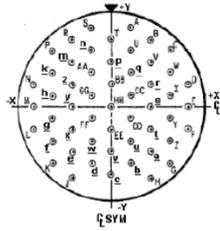


### Contacts
(Insert arrangement 23-53)

| Contact position ID | Location X-axis (mm) | Location Y-axis (mm) | Contact position ID | Location X-axis (mm) | Location Y-axis (mm) |
|---|---|---|---|---|---|
| A | +.112 (2.84) | +.455 (11.56) | e | -.225 (5.72) | -.260 (6.60) |
| B | +.225 (5.72) | +.390 (9.91) | f | -.336 (8.53) | -.195 (4.95) |
| C | +.336 (8.53) | +.325 (8.26) | g | -.336 (8.53) | -.065 (1.65) |
| D | +.450 (11.43) | +.130 (3.30) | h | -.336 (8.53) | +.065 (1.65) |
| E | +.450 (11.43) | +.000 (0.00) | k | -.336 (8.53) | +.195 (4.95) |
| F | +.450 (11.43) | -.130 (3.30) | m | -.225 (5.72) | +.260 (6.60) |
| G | +.336 (8.53) | -.325 (8.26) | n | -.112 (2.84) | +.325 (8.26) |
| H | +.225 (5.72) | -.410 (10.41) | p | +.000 (0.00) | +.260 (6.60) |
| J | -.225 (5.72) | -.410 (10.41) | q | +.112 (2.84) | +.195 (4.95) |
| K | -.336 (8.53) | -.325 (8.26) | r | +.225 (5.72) | +.130 (3.30) |
| L | -.450 (11.43) | -.130 (3.30) | s | +.225 (5.72) | +.000 (0.00) |
| M | -.450 (11.43) | +.000 (0.00) | t | +.225 (5.72) | -.130 (3.30) |
| N | -.450 (11.43) | +.130 (3.30) | u | +.112 (2.84) | -.195 (4.95) |
| P | -.336 (8.53) | +.325 (8.26) | v | +.000 (0.00) | -.260 (6.60) |
| R | -.225 (5.72) | +.390 (9.91) | w | -.112 (2.84) | -.195 (4.95) |
| S | -.112 (2.84) | +.455 (11.56) | x | -.225 (5.72) | -.130 (3.30) |
| T | +.000 (0.00) | +.390 (9.91) | y | -.225 (5.72) | +.000 (0.00) |
| U | +.112 (2.84) | +.325 (8.26) | z | -.225 (5.72) | +.130 (3.30) |
| V | +.225 (5.72) | +.260 (6.60) | AA | -.112 (2.84) | +.195 (4.95) |

### Contacts
(Insert arrangement 23-53)

| Contact position ID | Location X-axis (mm) | Location Y-axis (mm) | Contact position ID | Location X-axis (mm) | Location Y-axis (mm) |
|---|---|---|---|---|---|
| W | +.336 (8.53) | +.195 (4.95) | BB | +.000 (0.00) | +.130 (3.30) |
| X | +.336 (8.53) | +.065 (1.65) | CC | +.112 (2.84) | +.065 (1.65) |
| Y | +.336 (8.53) | -.065 (1.65) | DD | +.112 (2.84) | -.065 (1.65) |
| Z | +.336 (8.53) | -.195 (4.95) | EE | +.000 (0.00) | -.130 (3.30) |
| a | +.225 (5.72) | -.260 (6.60) | FF | -.112 (2.84) | -.065 (1.65) |
| b | +.112 (2.84) | -.325 (8.26) | GG | -.112 (2.84) | +.065 (1.65) |
| c | +.000 (0.00) | -.390 (9.91) | HH | +.000 (0.00) | +.000 (0.00) |
| d | -.112 (2.84) | -.325 (8.26) | --- | --- | --- |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|---|---|---|---|---|---|---|
| 23 | -53 | 53 | 20 | I | All | MS20056-53 |

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: 8D123W53SD

| ISS | DATE | Latest modification - by | MOD N° |
|---|---|---|---|
| A | 27-09-2016 | First Release | |

**TITLE** — Aluminium Inline plug 8D series

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

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| FORMAT | SOURIAU DRG N° | SHEET |
|---|---|---|
| A3 | 8D123W53SD-C | 2/2 |