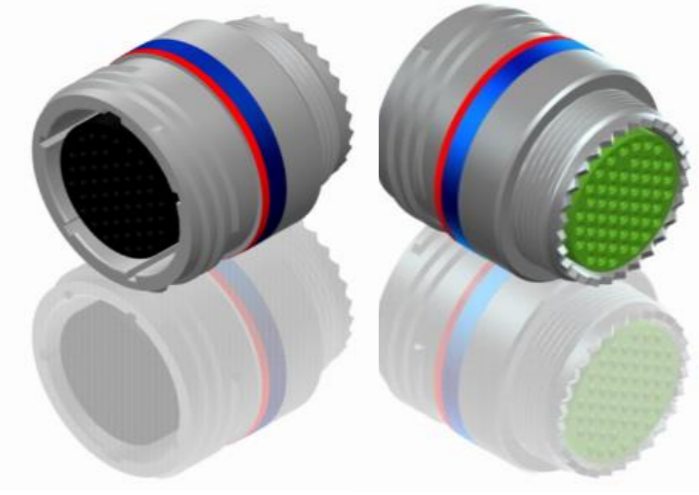


H G F E D C B A

4  
3  
2  
1

4  
3  
2  
1



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : 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 +200°C
- Salt Spray : 48 hours

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| F                   | 35 Max   |
| 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: 8D121F75SA**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 23-09-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|                |                        |   |   |    |   |    |   |   |                                    |
|----------------|------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                     | 1 | - | 21 | F | 75 | S | A | ORIENTATION : A                    |
| SHELL TYPE :   | In line Receptacle     |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact |   |   |    |   |    |   |   | CONTACT LAYOUT : 21-75             |
| SHELL SIZE :   | 21                     |   |   |    |   |    |   |   |                                    |
| PLATING :      | F = Nickel             |   |   |    |   |    |   |   |                                    |

|                |                                 |                                |   |
|----------------|---------------------------------|--------------------------------|---|
| <b>TITLE</b>   | Aluminium Inline plug 8D series |                                |   |
| SCALE          | NA                              | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
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| FORMAT         | <b>A3</b>                       |                                | SOURIAU DRG N°<br><b>8D121F75SA-C</b>   |
|                |                                 |                                | SHEET<br>1/2  |

H G F E D C B A

Contact Layout



(Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 21-76.)

| Contacts<br>(Insert arrangement 21-75) |             |             |
|--|-------------|-------------|
| Contact position ID                    | Location    |             |
|  | X axis      | Y axis      |
| A                                      | +180 (4.57) | +180 (4.57) |
| B                                      | +180 (4.57) | -180 (4.57) |
| C                                      | -180 (4.57) | -180 (4.57) |
| D                                      | -180 (4.57) | +180 (4.57) |

| Shell size | Arrangement no. | Number of contacts | Size contacts   | Service rating | Contact location | Standard contact |               |
|------------|-----------------|--------------------|-----------------|----------------|------------------|------------------|---------------|
|            |                 |                    |                 |                |                  | Pin              | Socket        |
| 21         | -75             | 4                  | 8<br>(see note) | Twinax         | All              | M39029/90-529    | M39029/91-530 |

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

PN: 8D121F75SA

|                |                                    |                            |   |
|----------------|------------------------------------|----------------------------|---|
| A              | 23-09-2016                         | First Release              |   |
| ISS            | DATE                               | Latest modification - by   | MOD N°  |
| Designed By:   |                                    | Date:                      | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | Aluminium Inline plug 8D series    |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D121F75SA-C</b> |                            | SHEET 2/2   |