



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 without Souriau contacts
- Temperature Range : -65°C to +200°C
- Salt Spray : 2000 hours
- Mass : 15.8 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 29.4 Max |
| Z'                  | 31.5 Max |
| VV THREAD           | M18x1-6g |

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: 8D513M35PAL**

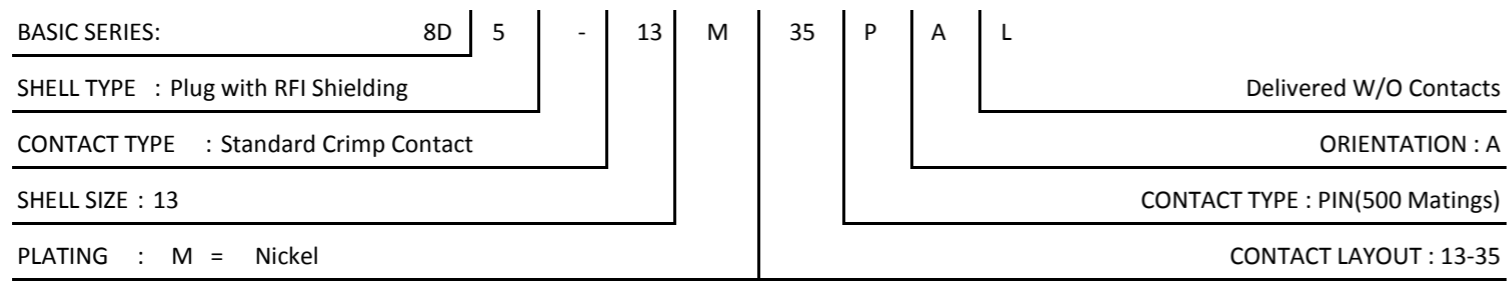
|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 18-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                 |  |  |
|--------------|---------------------------------|--|--|
| <b>TITLE</b> | <b>Composite Plug 8D series</b> |  |  |
|--------------|---------------------------------|--|--|

|       |  |                                |                 |
|-------|--|--------------------------------|-----------------|
| SCALE |  | General linear Tolerances: ±-- | NPRDS / PROJECT |
| NA    |  |                                | <b>859</b>      |

|                |                        |   |
|----------------|------------------------|---|
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|           |                                     |            |
|-----------|-------------------------------------|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D513M35PAL-C</b> | SHEET      |
| <b>A3</b> |                                     | <b>1/2</b> |



Contact Layout



| Contacts<br>(Insert arrangement 13-35) |             |             |                     |             |             |
|--|-------------|-------------|---------------------|-------------|-------------|
| Contact position ID                    | Location    |             | Contact position ID | Location    |             |
|  | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| 1                                      | +045 (1.14) | +197 (5.00) | 12                  | -182 (4.62) | +088 (2.24) |
| 2                                      | +126 (3.20) | +158 (4.01) | 13                  | -126 (3.20) | +158 (4.01) |
| 3                                      | +182 (4.62) | +088 (2.24) | 14                  | -045 (1.14) | +197 (5.00) |
| 4                                      | +203 (5.16) | +000 (0.00) | 15                  | +045 (1.14) | +107 (2.72) |
| 5                                      | +182 (4.62) | -088 (2.24) | 16                  | +117 (2.97) | +026 (0.66) |
| 6                                      | +126 (3.20) | -158 (4.01) | 17                  | +093 (2.36) | -075 (1.91) |
| 7                                      | +045 (1.14) | -197 (5.00) | 18                  | +000 (0.00) | -120 (3.05) |
| 8                                      | -045 (1.14) | -197 (5.00) | 19                  | -093 (2.36) | -075 (1.91) |
| 9                                      | -126 (3.20) | -158 (4.01) | 20                  | -117 (2.97) | +026 (0.66) |
| 10                                     | -182 (4.62) | -088 (2.24) | 21                  | -045 (1.14) | +107 (2.72) |
| 11                                     | -203 (5.16) | +000 (0.00) | 22                  | +000 (0.00) | -030 (0.76) |

| (Applicable to MIL-DTL-38999 only) |                 |                    |               |                |                  |            |
|------------------------------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| Shell size                         | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
| 13                                 | -35             | 22                 | 22D           | M              | All              | MS27527-35 |

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| <b>TITLE</b>   | <b>Composite Plug 8D series</b>     |                            |   |
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| NA             |                                     | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D513M35PAL-C</b> |                            | SHEET 2/2   |