

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
- Mass : 24.32 g ± 10%

| Connector dimension |                 |
|---------------------|-----------------|
| Dim                 | Nominal         |
| A                   | 38.1±0.3        |
| B                   | 23.82+0.1/-0.15 |
| R                   | 32.5Max         |
| S                   | 34.9±0.4        |
| W                   | 2.2+0.9/-0.1    |
| VV THREAD           | M18x1-6g        |

| PC Contact dimension |             |
|----------------------|-------------|
| ØD                   | 0.7 Max     |
| L1                   | 7.57 / 9.00 |
| L2                   | 4+0/-0.2    |

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: 8D7C13F35PN**

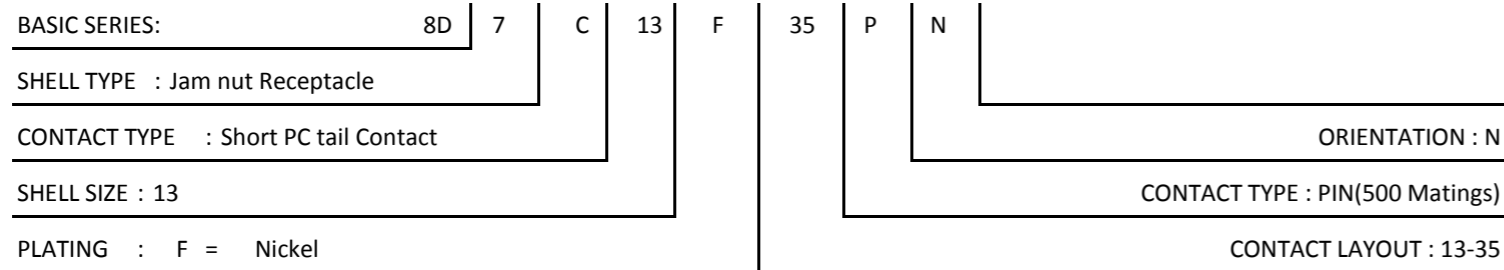
|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 07-11-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

|              |                                |  |  |
|--------------|--------------------------------|--|--|
| <b>TITLE</b> | Aluminium Receptacle 8D series |  |  |
|--------------|--------------------------------|--|--|

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

|                |                        |   |
|----------------|------------------------|---|
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b> | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
|----------------|------------------------|---|

|           |                                     |  |            |
|-----------|-------------------------------------|--|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D7C13F35PN-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 |

| DIAMETER FOR PCB DRILLING |          |
|---------------------------|----------|
| Contact Type              | Diameter |
| Contact Size 22           | Ø1 Min   |

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



Max. thickness panel for receptacle: Type 7: 3.2 mm

| Dim | Nominal       |
|-----|---------------|
| B   | 24.26+0/-0.25 |
| ØC  | 25.65+0.25/-0 |

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: 8D7C13F35PN

|                |                                     |                            |   |
|----------------|-------------------------------------|----------------------------|---|
| A              | 07-11-2016                          | First Release              |   |
| ISS            | DATE                                | Latest modification - by   | MOD N°  |
| Designed By:   |                                     | Date:                      | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | Aluminium Receptacle 8D series      |                            |   |
| SCALE          |                                     | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                     | ±--                        | <b>859</b>  |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>              |                            | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT         | <b>SOURIAU DRG N° 8D7C13F35PN-C</b> |                            | SHEET 2/2   |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Souriau:

[8D7C13F35PN](#)