



LAYOUT SHOWN AS EXAMPLE

Keying 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
- Mass : 15.89 g ± 10%

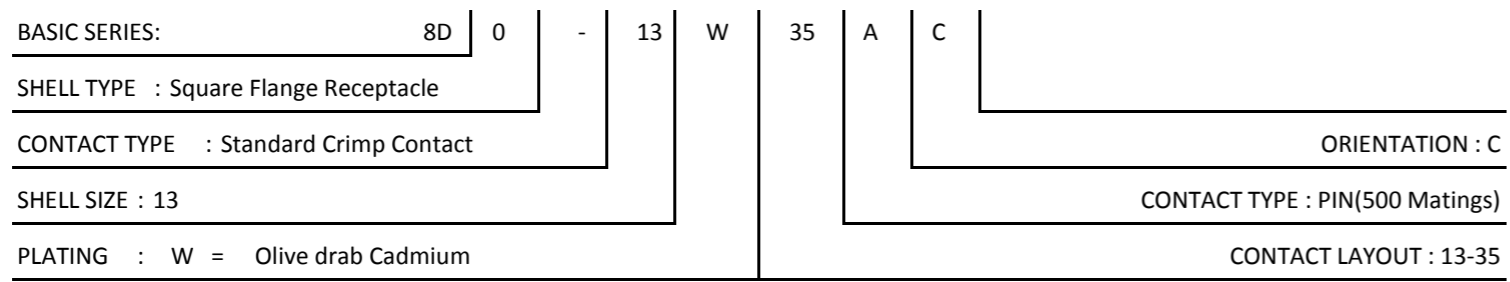
| Connector dimension |               |
|---------------------|---------------|
| Dim                 | Nominal       |
| P                   | 3.25±0.2      |
| PP                  | 4.93±0.2      |
| R1                  | 23.01         |
| R2                  | 20.62         |
| S                   | 28.6±0.3      |
| V                   | 20.83+0/-1.25 |
| W                   | 2.1/2.5       |
| 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: 8D013W35AC**

|                |                                |                                |                                                                                                       |
|----------------|--------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------|
| A              | 16-10-2016                     | First Release                  |                                                                                                       |
| ISS            | DATE                           | Latest modification - by       | MOD N°                                                                                                |
| Designed By:   |                                | Date:                          | <b>CUSTOMER DRAWING</b>                                                                               |
| <b>TITLE</b>   | Aluminium Receptacle 8D series |                                |                                                                                                       |
| SCALE          | NA                             | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>                                                                         |
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| FORMAT         | <b>A3</b>                      |                                | <b>SOURIAU DRG N° 8D013W35AC-C</b>                                                                    |
|                |                                |                                | SHEET<br>1/2                                                                                          |



ORIENTATION : C  
CONTACT TYPE : PIN(500 Matings)  
CONTACT LAYOUT : 13-35

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 |

Panel Cutout



| Dim | Nominal    |
|-----|------------|
| ØA  | 23.42 min  |
| ØAA | 19.05 min  |
| R1  | 23.01      |
| ØT  | 3.25 ±0.13 |

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| NA             |                                    |                                |                                                                                                       |
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| FORMAT         | <b>SOURIAU DRG N° 8D013W35AC-C</b> |                                | SHEET<br>2/2                                                                                          |