



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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +200°C
- Salt Spray : 2000 hours

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 41.7 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: 8D521M42BC**

|              |            |                          |                         |
|--------------|------------|--------------------------|-------------------------|
| A            | 08-10-2016 | First Release            |                         |
| ISS          | DATE       | Latest modification - by | MOD N°                  |
| Designed By: |            | Date:                    | <b>CUSTOMER DRAWING</b> |

**TITLE** Composite Plug 8D series

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

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 21 | M | 42 | B | C |                                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   |                                    |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   |                                    |
| SHELL SIZE :   | 21                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | M = Nickel              |   |   |    |   |    |   |   |                                    |
|                |                         |   |   |    |   |    |   |   | ORIENTATION : C                    |
|                |                         |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
|                |                         |   |   |    |   |    |   |   | CONTACT LAYOUT : 21-42             |

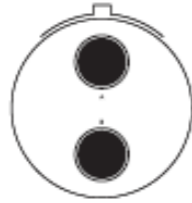
**SOURIAU** WWW.SOURIAU.COM

This document is the property of SOURIAU it must not be reproduced or communicated without permission

|           |                                    |  |            |
|-----------|------------------------------------|--|------------|
| FORMAT    | <b>SOURIAU DRG N° 8D521M42BC-C</b> |  | SHEET      |
| <b>A3</b> |                                    |  | <b>1/2</b> |

Contact Layout

42



2#4 Power

| 21-42 |   |       |
|-------|---|-------|
| Ctc   | X | Y     |
| A     | 0 | 6.19  |
| B     | 0 | -6.19 |

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: 8D521M42BC

|                |                                    |                            |   |
|----------------|------------------------------------|----------------------------|---|
| A              | 08-10-2016                         | 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>  |
| <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° 8D521M42BC-C</b> |                            | SHEET<br>2/2  |