|  | т   п                        |   | 0  |                            | A      |    |  |
|--|------------------------------|---|--|----------------------------|--------|----|--|
| Z'   Image: gradient state   Image: gradient state <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> |                              |   |  |                            |        |    |  |
|  |                              |   | LAYOUT SHOWN AS  | SEXAMPLE                   |        |    |  |
|  | Keying Shown as example      |   |  |                            |        |    |  |
| CHARACTERISTICS  | Connector dimension          |   |  |                            |        |    |  |
| -Standard : Based on MIL-DTL-38999 Series III  | DimNominalØS44.9 Max         | [   |  |                            |        |    |  |
| -Shell Material : Composite<br>-Shell Plating : Nickel   | Z' 31.5 Max                  | SOURIAU shall not be liable for any non-conformity or damage<br>due to a use of the Products which does not comply with |  |                            |        |    |  |
| -Insulator : Thermoplastic   | VV THREAD M34x1-6g           | the Specifications issued by either of the Parties or by a third party  |  |                            |        |    |  |
| -Contacts : Copper Alloy   |                              |   | (professional recommend  | dation, technical notice.) |        |    |  |
| -Seals & Grommet : Silicon Elastomer   |                              | L   | Cou  |                            | l List |    |  |
| -Contact Plating : Gold over copper Alloy 0.8µm minimum  |                              | · · · · · · · · · · · · · · · · · · ·   | F  |                            |        |    |  |
| -Durability : 500 Mating cycles  |                              |   | PN: 8D523M53SE   |                            |        |    |  |
| -Delivered with Souriau contacts and Accessories   |                              |   |  |                            |        |    |  |
| -Temperature Range : -65°C to +200°C<br>-Salt Spray : 2000 hours   |                              | A 07-10-201   | 6 First Release  |                            |        |    |  |
| -Salt Spray : 2000 hours<br>-Mass : 63.6 g ± 10%   |                              | ISS DATE  | Latest modification - by   |                            | MOD N  | N° |  |
|  |                              | Designed By:  | Date:  | CUSTOMER D                 |        |    |  |
|  |                              | TITLE   | TITLE Composite Plug 8D series   |                            |        |    |  |
| BASIC SERIES: 8D 5 - 23 M 53   | 3 S E                        | SCALE   | General linear   | NPRDS / PI                 | ROJECT |    |  |
| SHELL TYPE : Plug with RFI Shielding   |                              | NA  | Tolerances:  | 859                        | )      |    |  |
| CONTACT TYPE : Standard Crimp Contact  | ORIENTATI                    | This document is the property of  |  |                            |        |    |  |
| SHELL SIZE : 23  | CONTACT TYPE : SOCKET(500 Ma | - SOURIAL   | SOURIAU WWW.SOURIAU.COM it must not be reproduced or communicated without permission |                            |        |    |  |
| PLATING : M = Nickel   | CONTACT LAYOUT : :           |   |  | U DRG N°                   | SHEET  | т  |  |
|  |                              | A3  |  | M53SE-C                    |        |    |  |
|  |                              |   | 2115 7 21  | \/ 5_<                     | 1/2    |    |  |

| - | Ŧ   | G  | г П         | m | D                        | 0  |
|---|---|--|-------------|---|--------------------------|--|
|   |   | Contact Layout   |             |   |                          |  |
| 4 | -×[   | $\begin{array}{c} \begin{array}{c} & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & $ |             |   |                          |  |
|   | B + 225 (5.72)<br>C + 336 (8.53)<br>D + 450 (11.43)<br>E + 450 (11.43)<br>F + 450 (11.43)<br>G + 336 (8.53)<br>H + 225 (5.72)<br>J - 225 (5.72)   | Y-axis<br>(mm)     Contact<br>position ID     X-axis<br>(mm)     Y-axis<br>(mm)       +455 (11.56)     g     -225 (5.72)     -260 (6.60)       +330 (9.91)     f     -336 (8.53)     -169 (4.95)       +325 (8.26)     g     -336 (8.53)     -065 (1.65)       +130 (3.30)     h     -336 (8.53)     +065 (1.65)       -130 (3.30)     m     -225 (5.72)     +226 (6.60)       -325 (8.26)     n     -112 (2.84)     +325 (8.26)       -130 (3.30)     m     -225 (5.72)     +280 (6.60)       -410 (10.41)     p     +000 (0.00)     +260 (6.60)       -410 (10.41)     q     +112 (2.84)     +325 (8.26)       -325 (8.26)     f     +225 (5.72)     +130 (3.30)   |             |   |                          |  |
| ω | M    450 (11.43)       N    450 (11.43)       P    336 (8.53)       R    225 (5.72)       S    112 (2.84)       T     +.000 (0.00)       U     +.112 (2.84)   | +000 (0.00)     1     +225 (5.72)    130 (3.30)       +130 (3.30)     u     +112 (2.84)    195 (4.95)       +325 (8.26)     v     +.000 (0.00)    260 (6.60)       +390 (9.91)     w    112 (2.84)    195 (4.95)       +455 (11.56)     x    225 (5.72)    130 (3.30)       +330 (9.91)     y    225 (5.72)     +.130 (3.30)       +330 (9.91)     y    225 (5.72)     +.130 (3.30)       +260 (6.60)     AA    112 (2.84)     +.195 (4.95)       Contacts     (Insert arrangement 23-53)     Location       V_avia     Contact     Y_avia     Y_avia  |             |   |                          |  |
|   | ID     (mm)       W     +.336 (8.53)       X     +.336 (8.53)       Y     +.336 (8.53)       Z     +.336 (8.53)       a     +.225 (6.72)       ½     +.112 (2.84) <u>c</u> +.000 (0.00)       d    112 (2.84)       Shell     Arrangement     Num | (mm)     (mm)     (mm)       +.195 (4.95)     BB     +000 (0.00)     +130 (3.30)       +.056 (1.65)     CC     +112 (2.84)     +005 (1.65)      066 (1.65)     DD     +112 (2.84)     +005 (1.65)      206 (6.05)     EE     +000 (0.00)     +130 (3.30)      206 (6.05)     EE     +000 (0.00)     -131 (3.30)      206 (6.00)     FF     -112 (2.84)     -065 (1.65)      320 (9.20)     GG     -112 (2.84)     -065 (1.65)      320 (9.20)     FG     -112 (2.84)     -065 (1.05)      320 (9.21)     HH     +000 (0.00)     +000 (0.00)      325 (8.26)        025 (8.26)         ber of     Size     Service     Contact       tads     contacts     raina     jocation   |             |   |                          | SOURIAU shall not be liable for an due to a use of the Products wi |
| N | 23 -53 5  | 33 20 I All MS20056-53   | <u>&gt;</u> |   |                          | the Specifications issued by either o<br>(professional recommenda  |
|   |   |  |             |   | A 07-10-20               | PN: 8D5231   |
| _ |   |  |             |   | ISS DATE<br>Designed By: |  |
|   |   |  |             |   | TITLE                    | Compo  |
| _ |   |  |             |   | SCALE<br>NA              | General linear<br>Tolerances:                                      |
|   |   |  |             |   | SOURIA                   | U WWW.SOURIAU.C  |
|   |   |  |             |   | FORMAT<br>A3             | SOURIAU<br>8D523N  |
| L | Н   | G  | F           | E | D                        | C  |

