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| REVISIONS |     |               |           |        |
|-----------|-----|---------------|-----------|--------|
| P         | LTR | DESCRIPTION   | DATE      | APVD   |
| A         |     | ECN-22-152748 | 11MAY2022 | PZ WKH |

CAN BE COMPATIBALE WITH ML 51

OUTER CONTACT PRESSURE 3.5+/-1N

| ELECTRICAL  | MECHANICAL   | ENVIRONMENTAL  |
|---|--|--|
| Impedance (Ohm): 50<br>Frequency Range: DC to 9GHz<br>Voltage Rating (Peak)<br>@ Sea Level 170 V RMS<br>Insulation Resistance (MIN.)<br>500 M ohms<br>Contact Resistance (mohms MAX)<br>Center Contact 50<br>Outer Contact 20<br>Dielectric Withstand Voltage:<br>500 V RMS Max<br>Insertion Loss : <0.6 dB @0-6GHz<br><0.8 dB @6-9GHz<br>VSWR:<br>1.3 max @ DC~6GHz<br>1.5 max @ 6GHz~9GHz | Interface Dimension IV SWITCH<br>Force to Engage and Disengage<br>Engage: N/A<br>Disengage: N/A<br>CONDUCTOR ELASTICITY:<br>OUTER CONDUCTOR ELASTICITY(PRESS<br>1.4±0.2mm ) 250gf~450gf<br>INNER CONDUCTOR ELASTICITY(PRESS<br>0.8±0.2mm ) 200gf~320gf<br>Cable Retention<br>Axial (Lbs) N/A<br>Mating cycles 10000 cycles (IV SWITCH) | TEMPERATURE RANGE<br>-40 °C~+85 °C<br>ROHS COMPLIANT |

|             |             |                  |                       |
|-------------|-------------|------------------|-----------------------|
| 2408016-1   | SPRING      | STAINLESS STEEL  | PASSIVATION           |
|             | CONTACT PIN | BERYLLIUM COPPER | PL.GOLD/NICKEL/COPPER |
|             | INSULATOR   | PTFE MIL-P-19468 | N/A                   |
|             | BODY        | BRASS C3604      | PL.NICKEL/COPPER      |
| PART NUMBER | MATERIAL    | PLATING          |                       |

|  |  |  |           |                            |  |
|--|--|--|-----------|----------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN                                    | 18FEB2022 |                            |  |
|  |  | CHK                                    | 18FEB2022 |                            |  |
|  |  | APVD                                   | 18FEB2022 |                            |  |
|  |  | PRODUCT SPEC                           |           |                            |  |
| DIMENSIONS:                            |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |           | NAME                       |  |
| mm                                     |  | 0 PLC ± -                              |           | TEST PROBE FOR RF SWITCH 4 |  |
|  |  | 1 PLC ± 0.2                            |           | ADAPTOR                    |  |
|  |  | 2 PLC ± 0.1                            |           | -                          |  |
|  |  | 3 PLC ± 0.05                           |           | SIZE                       |  |
|  |  | 4 PLC ± -                              |           | A2                         |  |
|  |  | ANGLES ± 5°                            |           | CAGE CODE                  |  |
| MATERIAL                               |  | FINISH                                 |           | 00779                      |  |
| -                                      |  | -                                      |           | DRAWING NO                 |  |
|  |  |  |           | C=2408016                  |  |
|  |  |  |           | RESTRICTED TO              |  |
|  |  |  |           | -                          |  |
|  |  |  |           | SCALE                      |  |
|  |  |  |           | 1:1                        |  |
|  |  |  |           | SHEET                      |  |
|  |  |  |           | 1 OF 1                     |  |
|  |  |  |           | REV                        |  |
|  |  |  |           | A                          |  |

1471-9 (1/15)

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