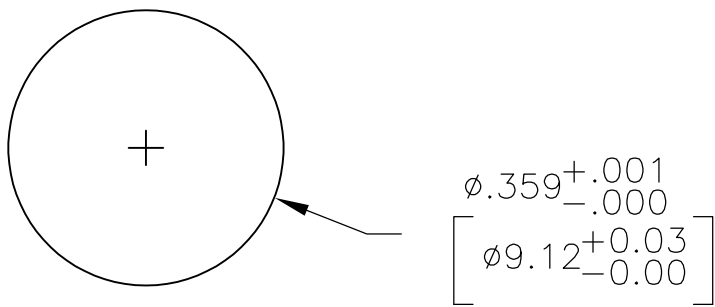
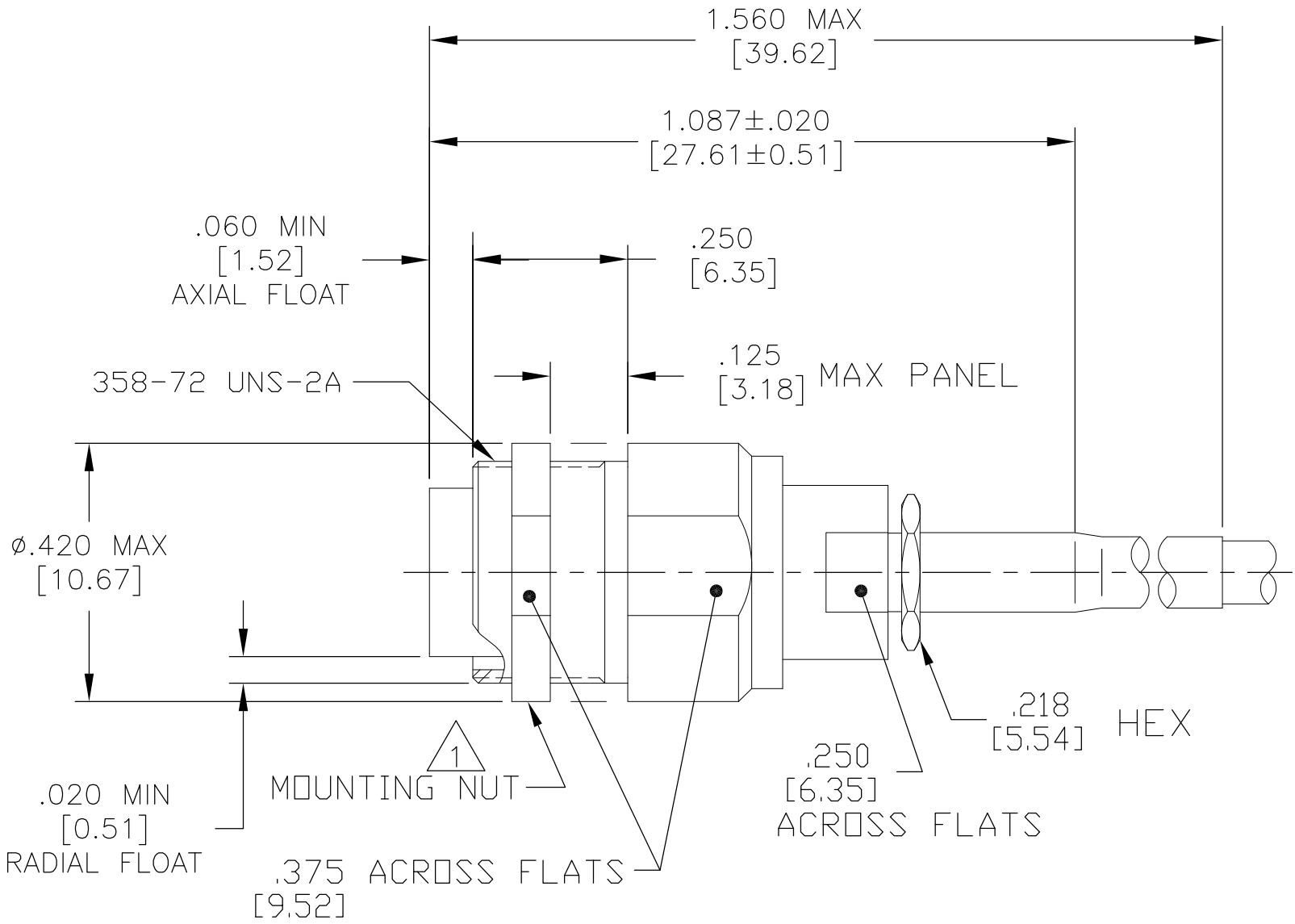


|                                                                     |                                                                  |                                                                    |  |
|---------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------|--|
| THIS DRAWING IS UNPUBLISHED.                                        |                                                                  | RELEASED FOR PUBLICATION                                           |  |
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| HOUSING<br>MOUNTING NUT<br>WASHER<br>BUSHING<br>SLEEVE<br>CLAMP NUT | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM<br>A582, TYPE 303      | PASSIVATE PER<br>ASTM-A380                                         |  |
| DIELECTRIC                                                          | TFE FLUOROCARBON<br>PER ASTM-D-1457                              | N/A                                                                |  |
| CENTER CONTACT                                                      | BERYLLIUM COPPER PER<br>ASTM B 196, ALLOY<br>C17300, CONDITION H | GOLD PLATE PER ASTM-<br>B-488 OVER COPPER<br>PLATE PER MIL-C-14550 |  |
| CONTACT SLEEVE                                                      | BERYLLIUM COPPER PER<br>ASTM B 196, ALLOY<br>C17300, CONDITION H | GOLD PLATE PER ASTM-<br>B-488 OVER NICKEL<br>PLATE PER QQ-N-290    |  |
| CONTACT RING<br>SHIM                                                | BERYLLIUM COPPER PER<br>ASTM B 194, ALLOY<br>C17200, CONDITION H | GOLD PLATE PER ASTM-<br>B-488 OVER COPPER<br>PLATE PER MIL-C-B-488 |  |
| SPRING                                                              | MUSIC WIRE PER ASTM A 228                                        | ELECTROLESS NICKEL<br>PLATE MIL-C-26074                            |  |
| SHRINK TUBING                                                       | HEAT SHRINKABLE POLYELEFIN<br>COMPOUND MIL-I-23053/4             | N/A                                                                |  |
| FERRULE                                                             | COPPER OR BRASS ALLOY<br>ROCKWELL F65 MAXIMUM                    | GOLD PLATE PER ASTM-<br>B-488 OVER COPPER<br>PLATE PER MIL-C-14550 |  |
| COMPONENT                                                           | MATERIAL                                                         | FINISH                                                             |  |

|                                               |             |
|-----------------------------------------------|-------------|
| DESIGNED FOR USE WITH<br>RD 178/U & 196 CABLE |             |
| CABLE ENTRY DIAMETER<br>MINIMUM               |             |
| HOUSING                                       | .037 [0.94] |
| CONTACT                                       | .014 [0.36] |
| FERRULE                                       | .109 [2.77] |

1 IT IS RECOMMENDED TO USE LOCKTITE 241.

| ELECTRICAL                                                    | MECHANICAL                                                     | ENVIRONMENTAL                                                                             |
|---------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Nominal Impedance (Ohms) 50                                   | Interface Dimensions Per<br>M/A-COM CATALOG                    | TEMPERATURE RATING -65° TO +125°C                                                         |
| Frequency Range (GHz) DC to 22                                | Mating Characteristics:                                        | Vibration MIL-STD-202, Method<br>204, Condition D, 20G's                                  |
| Volt Rating (VRMS MAX)<br>@ Sea Level 185                     | Insertion (MAX Lbs) 3                                          | Shock MIL-STD-202, Method 213,<br>Condition I, 100G's                                     |
| VSWR 1.15+0.02f(GHz)                                          | Withdrawal (MIN Oz) 1                                          | Thermal Shock MIL-STD-202,<br>Method 107, Condition B Except<br>HIGH TEMP SHALL BE +115°C |
| Insertion Loss (dB MAX) .06x √f(GHz)                          | Force to Engage (In/Lbs MAX) 3<br>& Disengage (In/Lbs MAX) 1.5 | Moisture Resistance MIL-STD-202,<br>Method 106                                            |
| RF Leakage (dB MIN) -(60-f(GHz))                              | Center Contact Captivation                                     | Corrosion - MIL-STD-202, Method<br>101, Condition B                                       |
| Corona, 70,000 Ft (VRMS MIN) 190                              | Axial (Lbs) 6                                                  |                                                                                           |
| Dielectric Withstanding Voltage<br>(VRMS MIN) @ Sea Level 750 | Cable Retention                                                |                                                                                           |
| Contact Resistance (Milliohms MAX)                            | Axial Force (Lbs MIN) 10                                       |                                                                                           |
| Center Contact 3.0                                            | Weight (Grams) TBD                                             |                                                                                           |
| Outer Contact 2.0                                             |                                                                |                                                                                           |
| Cable to Housing 0.5                                          |                                                                |                                                                                           |
| RF High Potential @ Sea Level<br>(VRMS MIN @ 5 MHz) 500       |                                                                |                                                                                           |
| I.R.(Megohms MIN) 5000                                        |                                                                |                                                                                           |



|                                        |  |                                |                                                                         |                    |
|----------------------------------------|--|--------------------------------|-------------------------------------------------------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>C.C.THOMAS<br>20DEC2013 | TE Connectivity                                                         |                    |
| DIMENSIONS:<br>INCHES [mm]             |  | CHK<br>W.MOYER<br>12-20-13     |                                                                         |                    |
|                                        |  | APVD<br>W.MOYER<br>12-20-13    | NAME<br>SMA FLOATING PANEL FEEDTHRU<br>CABLE JACK ASSY,CRIMP ATTACHMENT |                    |
|                                        |  | PRODUCT SPEC<br>45-091         |                                                                         |                    |
| MATERIAL<br>SEE TABLE                  |  | APPLICATION SPEC<br>—          | SIZE<br>A2                                                              | CAGE CODE<br>00779 |
| FINISH<br>SEE TABLE                    |  | WEIGHT<br>—                    | DRAWING NO<br>C=1058576                                                 | RESTRICTED TO<br>— |
| CUSTOMER DRAWING                       |  |                                | SCALE<br>5:1                                                            | SHEET<br>1 of 1    |
|                                        |  |                                | REV<br>B                                                                |                    |