NOTES:

1. MATERIALS AND FINISHES:
   BODY   - BRASS, GOLD PLATING
   CONTACT   - BeCu, GOLD PLATING
   INSULATOR - PTFE

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: 0-26.5 GHz
   C. VSWR: 1.05+0.02 f (GHz) MAX. @ 0-18 GHz
            1.5 MAX. @ 18-26.5 GHz
   D. D.W.V: 500 VRMS.
   E. INSULATION RESISTANCE: 1000 MΩ MIN.
   F. CONTACT RESISTANCE:
      CENTER CONATCT - INITIAL 3.0 MΩ MAX.
                       AFTER ENVIRONMENTAL 4.0 MΩ MAX.
      OUTER CONATCT - INITIAL 2.0 MΩ MAX.
                       AFTER ENVIRONMENTAL NOT APPLICABLE

3. MECHANICAL:
   A. DURABILITY: 500 CYCLES MIN.
   B. TEMPERATURE RANGE: -65°C TO +165°C
   C. ENGAGE/DISENGAGE TORQUE: 2 INCH-LBS MIN.
   D. MATING TORQUE: 7-10 IN-LBS WHEN BODY SUPPORTED WITH WRENCH
                     8 IN-LBS MAX. UNSUPPORTED
   E. CONTACT RETENTION: 4 LBS MIN. AXIAL FORCE ON PCB END
                         4 IN-OZ MIN. RADIAL TORQUE

4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: BAG TO BE MARKED
      "AMPHENOLRF, 901-10513-1, AND DATE CODE"

REVISIONS				
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	11-Jul-16	01361	KCE
B	UPDATE FOOTPRINT DIMENSIONS AND MOUNTING FOOTPRINT NOTE	18-Feb-19	10422	SH

1.7
[.067]

2-1.02
[.040]

Ø0.38
[.015]

1.73
[.068]

□6.35±0.1
[.250±.003]

INTERFACE PER
MIL-STD-348
SERIES: SMA JACK

0.76±0.25
[.030±.010]

1.65
[.065]

1/4-36 UNS-2A

4.55±0.13
[.179±.005]

9.53±0.13
[.375±.005]

BOARD EDGE

1.27±0.08
[.050±.003]

2.13±0.05 TYP.
[.084±.002]

Ø0.41±0.05 TYP.
[.016±.002]

1.23±0.01
[.0485±.0005]

8.130 MIN. TYP.
[.320]

0.724±0.01
[.0285±.0005]

TRACE

2X GROUND PAD

0.64±0.08
[.025±.003]

5.54 MIN. TYP.
[.218]

RECOMMENDED MOUNTING FOOTPRINT
USING .016" THICK ROGERS 4003 MATERIAL
MOUNTING FOOTPRINT ONLY, PERFORMANCE
WILL VARY BASED ON BOARD LAYOUT

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:			
<0.5mm	0.5 - 6mm	6 - 30mm	30 - 120mm ANGLES
± 0.05mm	±0.1mm	±0.2mm	± 0.3mm ±1°

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MATERIAL		DRAWN	DATE	TITLE
SEE NOTES		M.ZHANG	18-Feb-19	HIGH FREQ END LAUNCH
		ENGINEER	DATE	SMA JACK ASSEMBLY,
REFERENCE		K. ELMES	2/10/16	PC MOUNT, 15 MIL PIN
EAR# 6471		APPROVED	DATE	
REF: -		S.HSIEH	18-Feb-19	
CONFIGURATION LEVEL: In Work		CAD FILE		SCALE: 8.0:1.0 SHEET 2 OF 2
FINISH				DWG SIZE B REV B

Amphenol RF
www.amphenolrf.com

DRAWING NO. 901-10513-1
ITEM NO. 901-10513-1
PART NO. 901-10513-1