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**1.0 MATERIAL & FINISH:****SMPS CONNECTOR:**

- 1 BODY: BERYLLIUM COPPER ALLOY, GOLD PLATED
- 2 CENTER CONTACT: BERYLLIUM COPPER ALLOY, GOLD PLATED
- 3 INSULATOR: PTFE

**SMA MALE CONNECTOR:**

- 1 BODY: STAINLESS STEEL, GOLD PLATED
- 2 CENTER CONTACT: BRASS, GOLD PLATED
- 3 COUPLING NUT: STAINLESS STEEL, PASSIVATED
- 4 INSULATOR: PTFE
- 5 GASKET: SILICONE RUBBER

**AFLEX086AF CABLE:**

- 1 INNER CONDUCTOR: SILVER PLATED COPPER
- 2 DIELECTRIC: PTFE
- 3 OUTER CONDUCTOR: BONDED ALUMINUM FOIL + SILVER PLATED COPPER
- 4 JACKET: BLUE FEP

**ELECTRICAL DATA:**

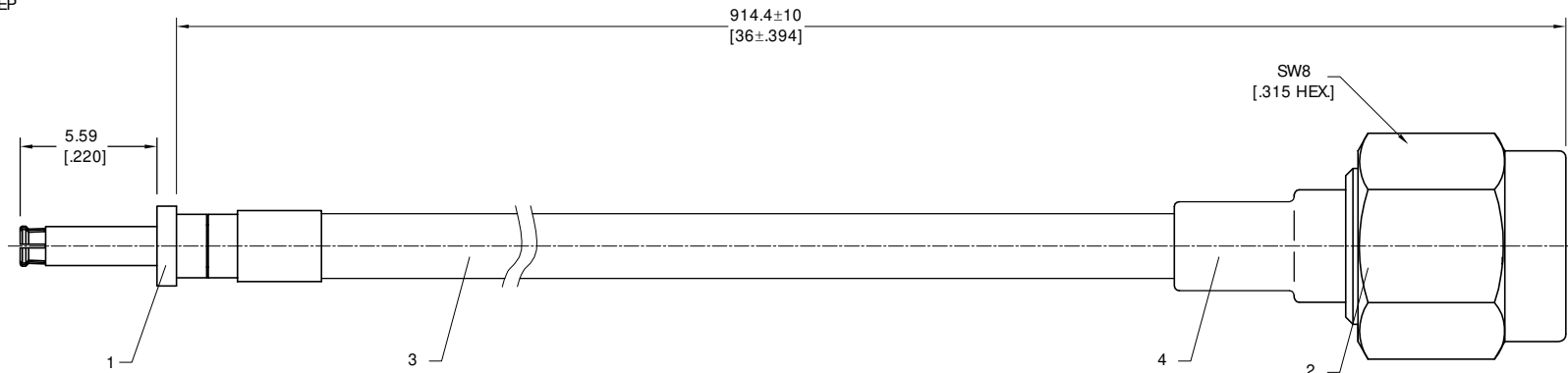
- 1 IMPEDANCE: 50  $\Omega$
- 2 FREQUENCY RANGE: DC-6 GHz
- 3 VSWR: 1.25 MAX.
- 4 INSERTION LOSS: 2.10 dB MAX.

**ENVIRONMENTAL DATA:**

- 1 TEMPERATURE RANGE: -55 °C~+125 °C
- 2 2011/65/EU(RoHS) AND 2015/863/(RoHS): COMPLIANT
- 3 1999/45/EC(REACH): COMPLIANT

## REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	01/24/24	J Q



4	ANO 8.687.102	HEAT-SHRINKABLE TUBING $\varnothing 4 \times 7$	1
3	AFLEX086AF	AFLEX086AF CABLE	1
2	ANO 2111-2055-3	SMA STRAIGHT MALE SOLDER FOR .086 CABLE	1
1	ANO 7812-2011	SMPS FEMALE SOLDER FOR .086 CABLE, BLIND-MATE FOR M38999 SIZE 16 CAVITY	1
SEQUENCE NUMBER	PART NO.	DESCRIPTION	QTY

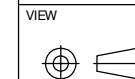
DRAWN	P. C	DATE	01/24/24
CHECKED	X. Y	DATE	01/24/24
APPROVED	J Q	DATE	01/24/24

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS, DIMENSIONS IN [ ] ARE IN INCHES FOR CUSTOMER REFERENCE ONLY UNLESS OTHERWISE SPECIFIED TOLERANCE ARE:

.XX	±0.13 [.005"]
.X	±0.20 [.008"]
X	±0.50 [.019"]
.X°	±1°
X°	±2°

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TITLE  
CABLE ASSEMBLY, SMPS STRAIGHT FEMALE TO SMA STRAIGHT MALE, AFLEX086AF CABLE, 36 INCHES



PART NO. AF086AF-SMPS(F)-SMAM-36			
SIZE A3	SCALE 5:1	SHEET 1/1	REV. A

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