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COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	GOLD PLATED PER ASTM-B-488
DIELECTRIC	PTFE FLUORCARBON PER ASTM-D-1457	--
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CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-194 ALLOY C17200, CONDITION H	GOLD PLATED PER ASTM-B-488
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ENVIRONMENTAL	
TEMPERATURE RATING:	-65°C TO +105°C
VIBRATION:	MIL-STD-202, METHOD 204, CONDITION D
SHOCK:	MIL-STD-202, METHOD 213, CONDITION 1
MOISTURE RESISTANCE:	MIL-STD-202, METHOD 106
CORROSION:	MIL-STD-202, METHOD 101, CONDITION B. 5% SALT SPRAY
THERMAL SHOCK:	MIL-STD-202, METHOD 107, CONDITION B EXCEPT HIGH TEMP 125°C

MECHANICAL	
INTERFACE DIMENSIONS:	MIL-STD-348A FIG. 310.2
RECOMMENDED MATING TORQUE:	7-10 IN-LBS
FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX):	2.0
WEIGHT (GRAMS):	TBD
MATING CHARACTERISTICS:	INSERTION (MAX LBS) 2 WITHDRAWAL (MIN OZ): 1
CABLE RETENTION:	AXIAL FORCE (LBS) N/A TORQUE (IN-OZ): N/A
CENTER CONTACT CAPTIVATION:	AXIAL (LBS): 6.0 MIN RADIAL (IN-OZ): 4.0 MIN

ELECTRICAL	
NORMAL IMPEDANCE (OHMS):	50
FREQUENCY RANGE (GHz):	DC TO 18
VOLT RATING @ SEA LEVEL (VRMS MAX):	335
VSWR:	N/A
INSERTION LOSS: (dB MAX):	N/A
RF LEAKAGE (dB MIN):	N/A
CORONA 70,000 FT (VRMS MIN):	250
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL:	1000
I.R. (MEGOHMS MIN):	5,000
RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz):	670
CONTACT RESISTANCE (MILLIOHMS MAX):	CENTER CONTACT: 3.0 OUTER CONTACT: 2.0 CABLE TO HOUSING: N/A

Side view drawing of the SMA straight PCB jack. Dimensions include: overall length .375 [9.53], distance from center contact to housing .125±.010, distance from center contact to outer contact .065 [1.65], and outer contact diameter  $\phi .050 \pm .001$  [1.27±0.03]. Labels include HOUSING, CONTACT, and .250-36 UNS-2A.

Top view drawing of the SMA straight PCB jack. Dimensions include: outer diameter .250 SQ [6.35] 2 PLC, distance from center to outer contact .200±.002 [5.08±0.05] TYP, distance from center to center contact .100±.008 [2.54±0.20] TYP, and distance from center to dielectric .060 [1.54] MAX 4 PLC. Labels include DIELECTRIC.

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	X0	A	REV PER ECO 05-1266	4-20-05	CT FB

1053374-1  
PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	10/10/02	AMP Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK	J. KAISER	NAME	SMA STRAIGHT PCB JACK (M39012/93-3002)
INCHES [mm]	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± .005 [0.13] 4 PLC ± - ANGLES ± -	APVD	J. LIPPERT	SIZE	A2
MATERIAL	FINISH	PRODUCT SPEC	J. LIPPERT	CAGE CODE	00779
SEE TABLE	SEE TABLE	APPLICATION SPEC	---	DRAWING NO	1053374
		WEIGHT	TBD	RESTRICTED TO	---
		CUSTOMER DRAWING		SCALE	10:1
		MA/COM # 2062-8002-90		SHEET	1 OF 1

AMP 1471-9 REV 31MAR2000

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