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COMPONENT	MATERIAL	FINISH
HOUSING LOCK WASHER	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	PASSIVATED PER ASTM-A-380
DIELECTRIC	PTFE FLUORCARBON PER ASTM-D-1457	-
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR 197 ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488
CLAMP NUT JAM NUT	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	PASSIVATED PER ASTM-A-380
"O"-RING	SILICONE RUBBER PER ZZ-R-765	-
FERRULE	COPPER OR BRASS ALLOY, ROCKWELL F65 MAX	GOLD PLATED PER ASTM-B-488
INNER SLEEVE	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	GOLD PLATED PER ASTM-B-488

ENVIRONMENTAL	
TEMPERATURE RATING:	-65°C TO +165°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 85°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): 10 TORQUE (IN-OZ): N/A
CENTER CONTACT CAPTIVATION:	AXIAL (LBS): 6.0 RADIAL (IN-OZ): N/A

ELECTRICAL	
NORMAL IMPEDANCE (OHMS):	50
FREQUENCY RANGE (GHz):	DC TO 12.4
VOLT RATING @ SEA LEVEL (VRMS MAX):	170
VSWR:	1.20+0.025f(GHz)
INSERTION LOSS: (dB MAX):	.06 $\sqrt{f(\text{GHz})}$
RF LEAKAGE (dB MIN):	-60 @ 2-3GHz
CORONA 70,000 FT (VRMS MIN):	125
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL:	500
I.R. (MEGOHMS MIN):	5000
RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz):	335
CONTACT RESISTANCE (MILLIOHMS MAX):	CENTER CONTACT: 3.0 OUTER CONTACT: 2.0 CABLE TO HOUSING: 0.5

AS SHIPPED TO CUSTOMER

ASSEMBLED VIEW

RECOMMENDED PANEL CUTOUT

DESIGNED TO USE	
RG-178/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MIN	
HOUSING:	N/A
CONTACT:	.021 [0.53]
DIELECTRIC:	.021 [0.53]
INNER SLEEVE:	.037 [0.94]
FERRULE:	.098 [2.49]

DIMENSIONS:	
INCHES [mm]	
TOLERANCES UNLESS OTHERWISE SPECIFIED:	
0 PLC	± -
1 PLC	± -
2 PLC	± -
3 PLC	± .005 [0.13]
4 PLC	± -
ANGLES	± -
MATERIAL	SEE TABLE
FINISH	SEE TABLE

THIS DRAWING IS A CONTROLLED DOCUMENT.	
DWN	J. KAISER 9/17/02
CHK	J. LIPPERT 10-18-02
APVD	J. LIPPERT 10-18-02
PRODUCT SPEC	J. LIPPERT
APPLICATION SPEC	408-4925
WEIGHT	TBD
CUSTOMER DRAWING	

1051981-1
PART NO.

tyco Electronics	
Tyco Electronics Corporation Harrisburg, PA 17105	
SMA BULKHEAD FEEDTHRU CABLE JACK-SOLDER ATTACHMENT (M39012/59-3006) CAT A	
SIZE	A2
CAGE CODE	00779
DRAWING NO	1051981
RESTRICTED TO	-
SCALE	5:1
SHEET	1 OF 1
REV	B

AMP 1471-9 REV 31MAR2000

MA/COM # 2034-8006-92

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