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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	TFE FLUORCARBON PER ASTM-D-1457	-
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197 ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488

ENVIRONMENTAL
TEMPERATURE RATING: -65°C TO +105°C
VIBRATION: MIL-STD-202, METHOD 204, CONDITION IV
SHOCK: MIL-STD-202, METHOD 213, CONDITION G
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 A EXCEPT HIGH TEMP +200°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): 2.0 WITHDRAWAL (MIN OZ): 2.0
CABLE RETENTION: AXIAL FORCE (LBS): N/A 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 12.0
VOLT RATING @ SEA LEVEL (VRMS MAX): 335
VSWR: $1.05 + .005f(\text{GHz})$
INSERTION LOSS: (dB MAX): $.06 \sqrt{f(\text{GHz})}$
RF LEAKAGE (dB MIN): $-[60 - f(\text{GHz})]$
CORONA 70,000 FT (VRMS MIN): 250
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL: 1,000
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: 0.5

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	RELEASED PER ECO 09-005287	3-5-09	CT	DW

Technical drawing of a panel mount jack receptacle. The drawing includes a side view and a front view. Key dimensions and features are labeled:

- Overall length: .375 [9.53]
- Top edge thickness: .057 [1.45]
- Internal chamfer: .049 [1.24] REF
- Internal hole diameter: $\phi .010$ [0.25]
- Internal hole diameter: $\phi .085 \pm .002$ [2.16 ± 0.05]
- Bottom edge thickness: .065 [1.65]
- Front view width: .223 [5.66]
- Front view height: .481 [12.22] REF
- Front view hole diameter: $\phi .102^{+.004}_{-.003}$ [2.59^{+0.10}_{-0.08}]
- Front view hole diameter: $\phi .625 \pm .015$ [15.87 ± 0.38]
- Labels: .250-36 UNS-2A (cable), CENTER CONTACT, DIELECTRIC, 2 PLC.

1996934-1
PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	C.C.THOMAS	3-5-09	 Tyco Electronics Corporation Harrisburg, Pa 17105-3608		
DIMENSIONS:		CHK	D.WILSON	3-5-09			
INCHES [mm]		APVD	D.WILSON	3-5-09			
		PRODUCT SPEC					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC			NAME	PANEL MOUNT JACK RECEPTACLE, SMA	
0 PLC	± -				SIZE	A2	
1 PLC	± -				CAGE CODE	00779	
2 PLC	± -				DRAWING NO	1996934	
3 PLC	± .005 [0.13]				RESTRICTED TO	-	
4 PLC	± -						
ANGLES	± -						
MATERIAL	SEE TABLE	FINISH	SEE TABLE	WEIGHT	SEE TABLE		
CUSTOMER DRAWING		SCALE	8:1	SHEET	1 OF 1	REV	A

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