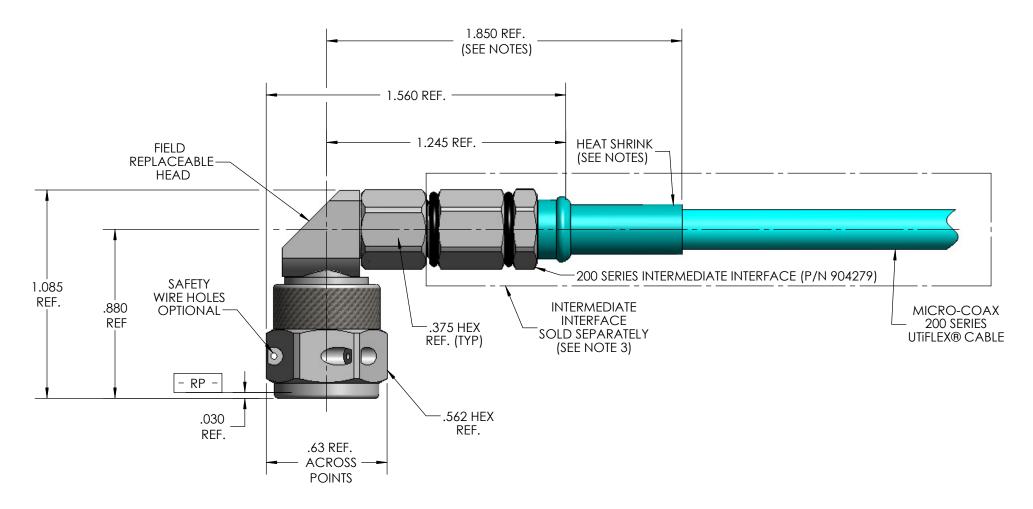
MECHANIC	CAL CHARACTERISTICS
INTERFACE	MIL-STD-348, FIGURE 313-3
SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	20 IN-LBS NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	60 IN-LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION	(200 SERIES / 20 LBS. MIN.) - (300 SERIES / 30 LBS. MIN.)
MASS (WITHOUT INTERMEDIATE INTERFACE)	22.56 GRAMS NOM.
MASS WITH INTERMEDIATE INTERFACE 200/240/3	00 29.70/29.93/33.84 GRAMS NOM.
ELECTRICA	AL CHARACTERISTICS
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.15:1 MAX.
12.4 GHz - 18 GHz	1.20:1 MAX.
INSERTION LOSS	0.06 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	375 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1000 Vrms MIN.
RF HIGH POTENTIAL CONTACT RESISTANCE (INNER)	1000 Vrms MIN. 4.0 MilliOhms MAX.
CONTACT RESISTANCE (INNER)	
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME OPERATING TEMPERATURE VIBRATION	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONMEI OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME OPERATING TEMPERATURE VIBRATION	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5%
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIALS AND	4.0 Milliohms MAX. 2.0 Milliohms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% FINISH (CONNECTOR HEAD) STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S303300,
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIALS AND BODIES & COUPLING NUTS	4.0 Milliohms MAX. 2.0 Milliohms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% FINISH (CONNECTOR HEAD) STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. \$30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, MIL-DTL-45204, OVER
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIALS AND BODIES & COUPLING NUTS CONTACT	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% FINISH (CONNECTOR HEAD) STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME ENVIRONME OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIALS AND BODIES & COUPLING NUTS CONTACT INSULATORS	4.0 MilliOhms MAX. 2.0 MilliOhms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 107, CONDITION I MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% FINISH (CONNECTOR HEAD) STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON, PER ASTM-D-1710
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRONME ENVIRONME OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIALS AND BODIES & COUPLING NUTS CONTACT INSULATORS GASKET	4.0 Milliohms MAX. 2.0 Milliohms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% FINISH (CONNECTOR HEAD) STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON, PER ASTM-D-1710 SILICONE RUBBER PER A-A-59588 (ZZ-R-765)
ENVIRONMEI CONTACT RESISTANCE (OUTER) ENVIRONMEI OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIALS AND I BODIES & COUPLING NUTS CONTACT INSULATORS GASKET SNAP RINGS	4.0 Milliohms MAX. 2.0 Milliohms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% FINISH (CONNECTOR HEAD) STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON, PER ASTM-D-1710 SILICONE RUBBER PER A-A-59588 (ZZ-R-765)
ENVIRONMEI CONTACT RESISTANCE (OUTER) ENVIRONMEI OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MATERIALS AND I BODIES & COUPLING NUTS CONTACT INSULATORS GASKET SNAP RINGS	4.0 Milliohms MAX. 2.0 Milliohms MAX. NTAL CHARACTERISTICS -62°C TO 125°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION MIL-STD-202, METHOD 101, CONDITION B, 5% FINISH (CONNECTOR HEAD) STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S303300, PASSIVATED PER ASTM-A-967 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-TIL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 TFE FLUOROCARBON, PER ASTM-D-1710 SILICONE RUBBER PER A-A-59588 (ZZ-R-765) BERYLLIUM COPPER, ASTM-B-197, UNS NO. C17200

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
Α	INITIAL RELEASE - ECO 145090	3/6/2014	MLM	RS	CCF



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- 3. MORE THAN ONE INTERMEDIATE INTERFACE IS AVAILABLE FOR THIS CONNECTOR. SEE SHEET 2 FOR 240 & 300 SERIES CABLE CONFIGURATIONS.

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- RP -

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ACROSS — POINTS

	ALL DIMENSIONS AND TOLERANCES IN INCHES		INIT	TALS	DATE	
			DWN.	PLM	04/24/13	
	UNLESS OTHER	WISE SPECIFIED.	CHKD.	PLM	11/19/13	
	VV	+ 00			·	

MICRO - COAX

XXX ± .005

XXXX ± .0010

ANGLES ± 1°

TILE TNCA RIGHT ANGLE PLUG, WIRE HOLES, FIELD REPLACEABLE HEAD, 240/300 SERIES CABLE

FSCM NO. SIZE SCALE SHEET NO. DRAWING NO. REV. 64639 **B** 2:1 2 OF 2 SD905262 A