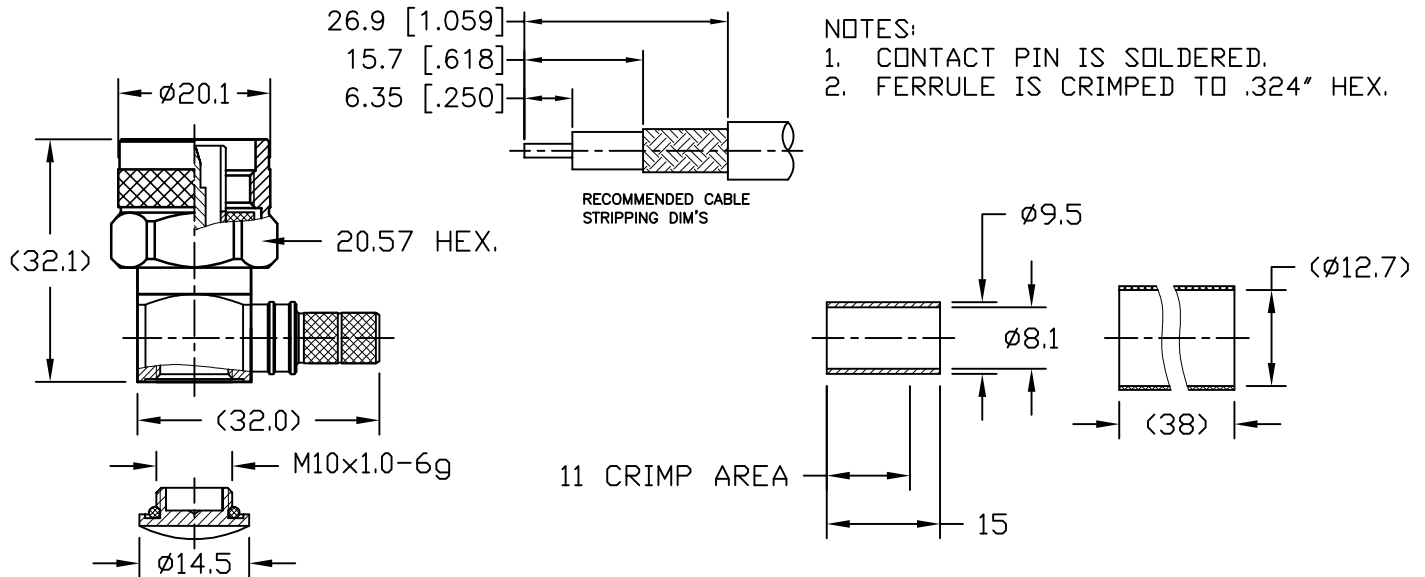


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	D. J. H.	6/14/12	J. D. B.	6/15/12
B	CHANGED PER CDC #40320	N. N. N.	5/18/15	J. D. B.	5/19/15
C	CHANGED PER CDC #48884	D. J. H.	5/21/18	D. A. R.	5/29/18



MATERIALS AND PLATING UNIT: MICRO-INCHES		
PART NAME	MATERIALS	PLATING
BODY, SHELL	BRASS C3604	ALBALLOY 80 u"/COPPER
CONTACT PIN	BRASS C3604	GOLD 50 u"/NICKEL
INSULATOR	PTFE ASTM-D-1710	N/A
FERRULE	BRASS	ALBALLOY 80 u"/COPPER
GASKET	SILICONE	RED

ELECTRICAL SPECIFICATION	
Impedance	50 Ω
Voltage rating	750 V(rms)
Frequency range	0~6 GHz
Dielectric withstanding voltage	>1000 V
Contact resistance	Center contact <1.5 m Ω Outer contact <0.2 m Ω
Insulation resistance	>5000 M Ω
VSWR	<1.3
Insertion loss	<0.1x $\sqrt{f}$ (GHz)
RF-leakage	N/A
3rd Intermodulation	N/A

MECHANICAL CHARACTERISTICS	
Cable Retention Force	>90 lbs
Force to engage and disengage	<2 lbs
Center contact retention force	> 6 lbs
Recommended coupling torque	9~14 in.lbs
Coupling nut retention force	>100 lbs
Durability	≥500 cycles

ENVIRONMENTAL PARAMETER	
Temperature range	-40°C ~ +125°C
Vibration	US MIL- STD 202, meth. 204 .cond B
Shock	US MIL- STD 202, meth. 213. cond I
Thermal shock	US MIL- STD 202, meth. 107 .cond B

MATL:		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH 1.6 RMS MAX. REMOVE ALL BURRS 0.15X45° MAX. BREAK MACHINE CORNERS 0.15X45°D MAX. FILLET R. TOLERANCES ON DECIMALS . X ± 0.3 . XX ± 0.15 ANGLES ± 2° FRACTIONS ± N/A			DFTM. D. J. H.		TIMES MICROWAVE SYSTEMS		
					DATE 6/14/12				
USED ON: 3					CHKD. J. D. B.		TC-300-NMH-RA-D 90° N MALE FOR LMR300 CABLE		
					DATE 6/15/12				
					APPD. J. D. B.				
SCALE: N/A		DWG. SIZE A	DO NOT SCALE DRAWING		CODE IDENT 68999	DATE 6/15/12	SHEET 1 of 1	SD3190-2761	REV C