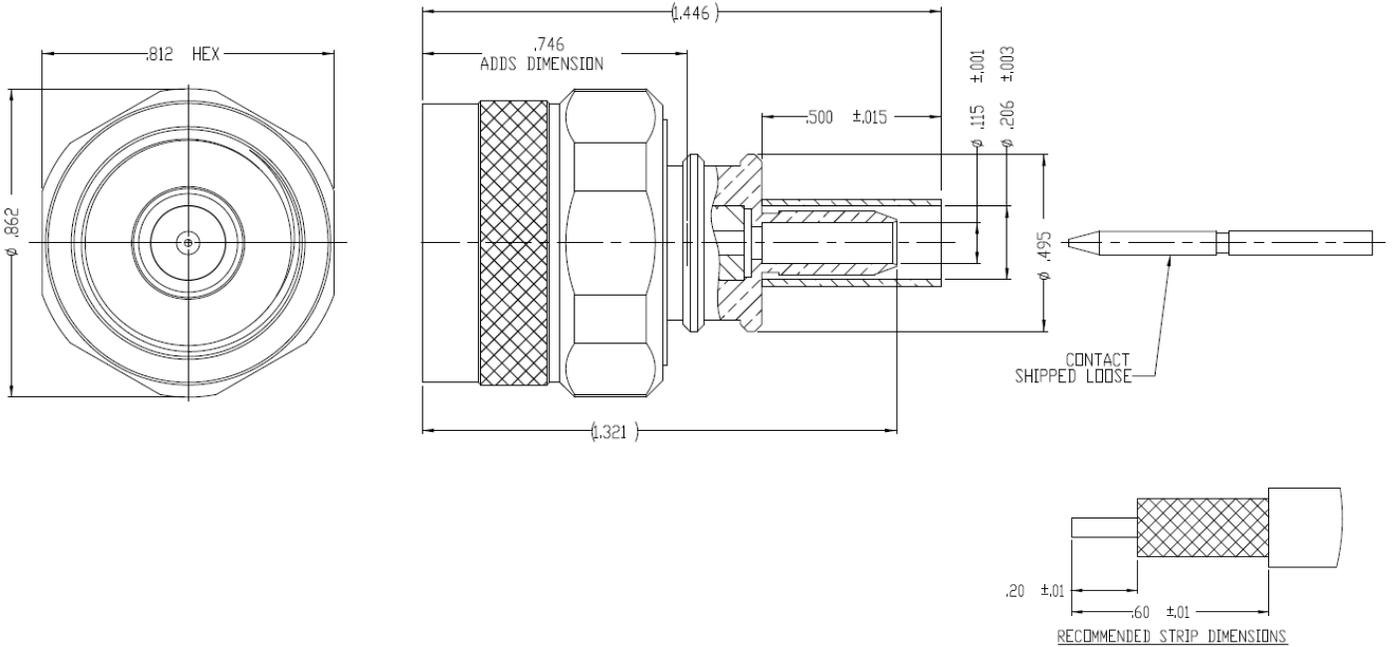


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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	N. N. N	1/15/14	J. D. B.	1/15/14



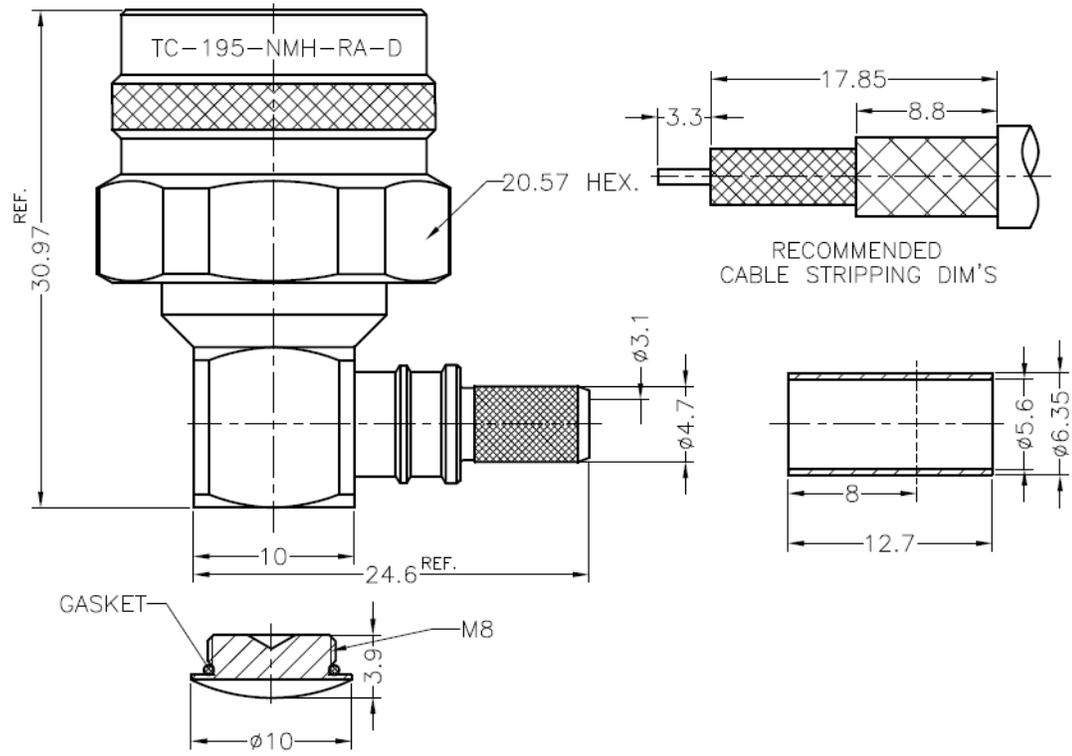
NOTES:

- ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.
- MATERIAL:**
 BODY, CONTACT - BRASS PER ASTM B16, C36000 ALLOY, TEMPER H02
 INSULATOR - TEFLON PER ASTM D1710, TYPE 1, GRADE 1, CLASS A
 SHRINK SLEEVE - HEAT SHRINKABLE ATUM PER MIL-I-23053/4 (NOT SHOWN)
 CRIMP SLEEVE - D.H.P. COPPER CDA, ALLOY #122, TEMPER HARD
 GASKET - SILICONE RUBBER PER A-A-59588, 50-75 DUROMETER
 LOCKING RING - PHOSPHOR BRONZE PER ASTM B139, C54400 ALLOY, TEMPER HD
- FINISH:**
 CONTACT - GOLD PLATE PER ASTM B488
 CRIMP SLEEVE - SILVER PLATE PER ASTM B700
 ALL OTHER METAL PARTS - ALBALOY PLATE

MATERIAL:	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH 63 RMS MAX. REMOVE ALL BURRS .004 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX $\pm .01$.XXX $\pm .005$ ANGLES $\pm 1^\circ$ FRACTIONS $\pm 1/64$	DFTM. N. N. N	TIMES MICROWAVE SYSTEMS	
		DATE 1/15/14		
USED ON: -		CHKD. J. D. B.	TC-195-NMH-X CONNECTOR ASSEMBLY N Male for LMR-195	
		DATE 1/15/14		
SCALE: NONE	DWG. SIZE A	APPD. J. D. B.	SHEET 1 of 1 SD3190-2880 REV A	
		DATE 1/15/14		
DO NOT SCALE DRAWING	CODE IDENT 68999			

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
A	RELEASED FOR PRODUCTION	D. J. H.	1/13/09	J. D. B.	1/13/09



ALL PARTS SATISFIED ROHS REQUIREMENTS

NOTE:
1. CRIMP THE FERRULE TO .217" HEX.

材料与电镀(MATERIALS AND PLATING)		UNIT: MICRO-INCHES
壳体,主体 BODY,SHELL	黄铜 (BRASS C3604) BRASS C3604	镀三元合金80μ" ALBALOY PLATING THICK 80 MIN.
中心针 CONTACT PIN	黄铜 (BRASS C3604) BRASS C3604	铜底,镀金50μ" GOLD PL. 50/COPPER
绝缘体: INSULATOR	聚四氟乙烯 TEFLON MIL-P-19468	
铜管: FERRULE	紫铜 COPPER	镀三元合金80μ" ALBALOY PLATING THICK 80 MIN.
密封圈: GASKET	硅橡胶 SILICONE	RED OR BLACK

电气性能(ELECTRICAL CHARACTERISTICS)	
特性阻抗 (Impedance)	50 Ω
工作电压 (Voltage rating)	750V(rms)
频率范围 (Frequency range)	0~6GHz
介电耐压 (Dielectric withstanding voltage)	1000V
接触电阻 (Contact resistance)	内导体 (Center contact): ≤3mΩ 外导体 (Outer contact) ≤2mΩ
绝缘电阻 (Insulation resistance)	≥5000MΩ
插入损耗 (Insertion loss)	根据电缆特性 (According as the cable)
射频泄漏 (RF-leakage)	N/A
电压驻波比 (VSWR)	≤1.2 (DC-2GHz) ≤1.3 (DC-6GHz)
三阶互调 (3rd Intermodulation)	---

机械特性 (MECHANICAL CHARACTERISTICS)	
插入力 (Force to engage and disengage)	6 lbs MAX.
中心针保持力 (Center contact retention force)	6 lbs MIN.
螺母扭力 (Coupling torque)	30 in-lbs MIN.
螺母拉力 (Coupling nut retention force)	100 lbs MIN.
机械耐久性 (Durability)	≥ 500 cycles

环境参数 (ENVIRONMENTAL CHARACTERISTICS)	
工作温度 (Temperature range)	-55? - +155?
Thermal shock	US MIL- STD 202, Meth. 107, Cond. B
Vibration	US MIL- STD 202, Meth. 204, Cond. B
Shock	US MIL- STD 202, Meth. 213, Cond. I
Climatic class	IEC 60068 65/165/21

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. D. J. H.	TIMES MICROWAVE SYSTEMS				
		DATE 1/13/09					
USED ON: 0-1	ALL DIMENSIONS ARE IN mm MACHINED SURFACES FINISH 1.6 RMS MAX. REMOVE ALL BURRS 0.15X45° MAX. BREAK MACHINE CORNERS 0.15X45° MAX. FILLET R. TOLERANCES ON DECIMALS .X ± 0.2 .XX ± 0.1 ANGLES ± 3° FRACTIONS ± N/A	CHKD. J. D. B.	TC-195-NMH-RA-D 90° "N" MALE FOR LMR-195 CABLE				
		DATE 1/13/09					
		APPD. J. D. B.					
SCALE: N/A	DWG. SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 1/13/09	1 of 1	SD3190-2425	REV A



Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) Jacket

RF Cables Technical Data Sheet

RG141A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50 ±2		Ohms
Velocity of Propagation		70		%
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Jacket Spark			2,000	Vrms
Nominal Capacitance		29.4 [96.46]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	1.2	3.9	13	36	62	dB/100ft
	3.94	12.8	42.65	118.11	203.41	dB/100m

Mechanical Specifications

Diameter	0.19 in [4.83 mm]
Weight	0.033 lbs/ft [0.05 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strands	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG141 Coax Cable Single Shielded with Beige PTFE \(FG\) Jacket RG141A/U](#)



Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) Jacket

RF Cables Technical Data Sheet

RG141A/U

Jacket	PTFE (FG), Beige	0.19 in [4.83 mm]
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Environmental Specifications

Temperature

Operating Range -55 to +200 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

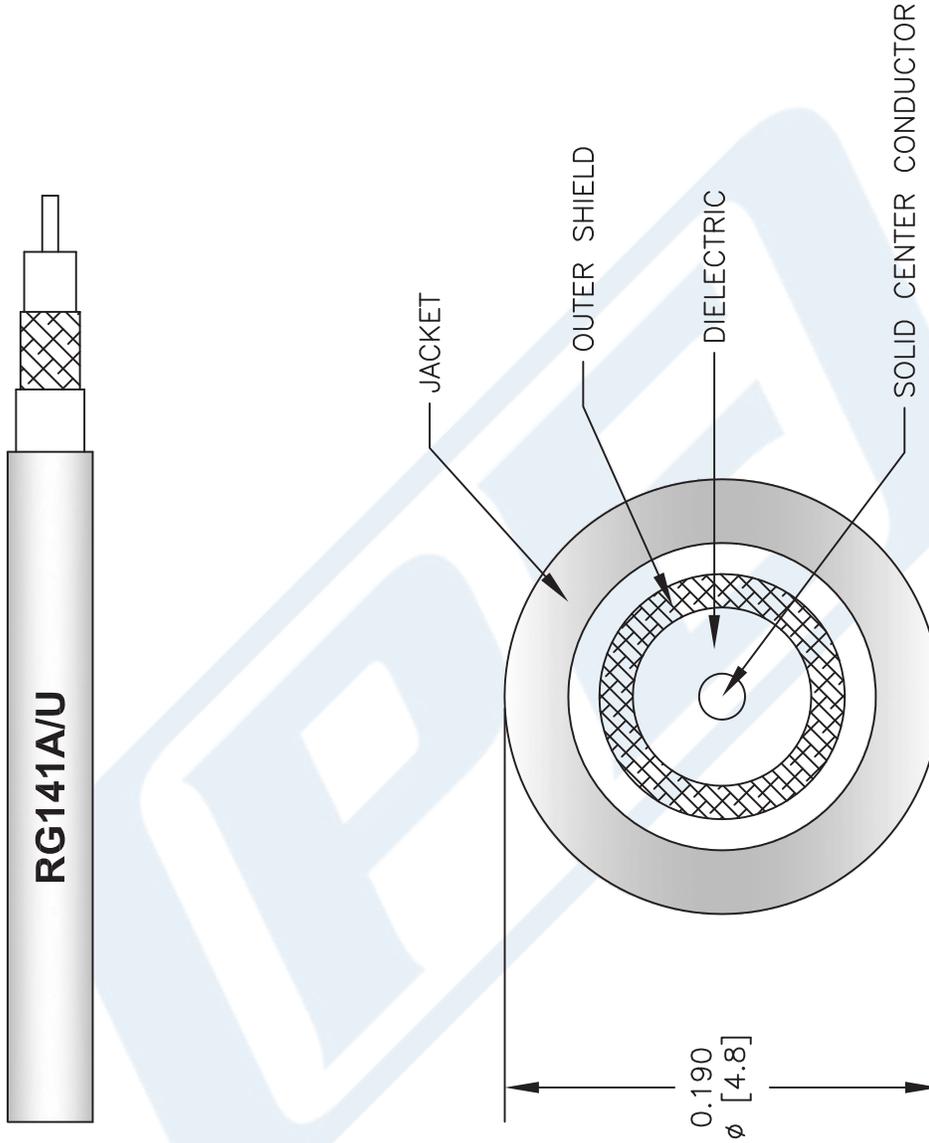
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URL: <https://www.pasternack.com/flexible-0.190-rg141-50-ohm-coax-cable-ptfe-fr-jacket-rg141a-u-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

RG141A/U CAD Drawing

Flexible RG141 Coax Cable Single Shielded with Beige PTFE (Fiberglass reinforced) Jacket



NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
RG141A/U

REV. A FSCM NO. 53919

SCALE N/A

SIZE A

CAD FILE 022808-A

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