

## Excellent Integrated System Limited

Stocking Distributor

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[Amphenol RF](#)  
[082-6520](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

**NOTES:**

1. MATERIALS AND FINISHES:  
 BODY, REAR BODY - BRASS, NICKEL PLATING  
 CONTACT - BRASS, GOLD PLATING  
 INSULATOR - PTFE  
 COUPLING NUT - BRASS, NICKEL PLATING  
 CAP - BRASS, NICKEL PLATING  
 FERRULE - COPPER, NICKEL PLATING

2. ELECTRICAL:  
 A. IMPEDANCE: 50 OHM  
 B. FREQUENCY RANGE: DC - 6 GHz

3. MECHANICAL:  
 A. DURABILITY: 500 CYCLES MIN.  
 B. TEMPERATURE RANGE: -65 C TO +165 C

4. PACKAGING:  
 A. QUANTITY: SINGLE PACK  
 B. MARKING: BAG TO BE MARKED  
 "AMPHENOL RF, 82-6520 AND DATE CODE"

5. RECOMMENDED CABLE ASSEMBLY INSTRUCTIONS:  
 A. TRIM CABLE AS SHOWN  
 B. SLIDE FERRULE AND REAR INSULATOR ONTO CABLE.  
 C. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.  
 D. SOLDER CABLE CENTER CONDUCTOR TO CONTACT.  
 E. CRIMP FERRULE OVER BRAID WITH 0.429" HEX DIE.

6. CAP ASSEMBLY INSTRUCTIONS:  
 A. ASSEMBLE CAP TO BODY WITH 6-10 IN-LBS TORQUE.

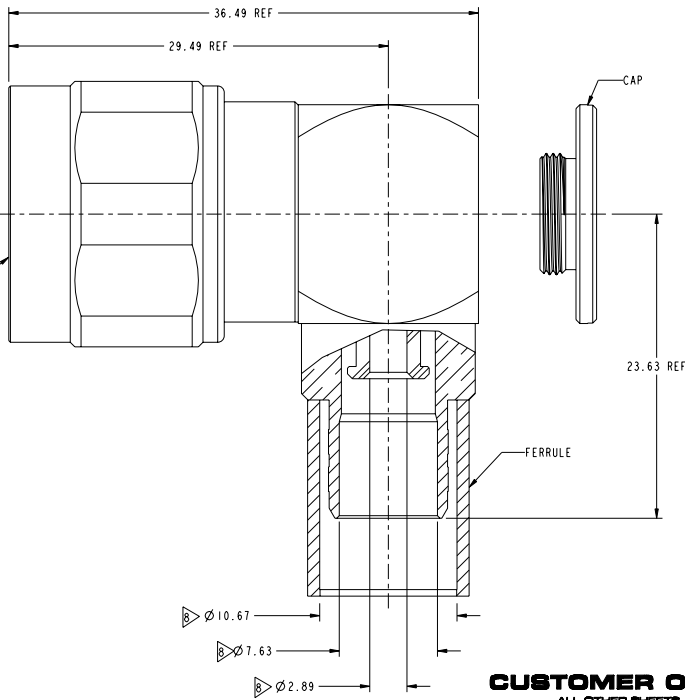
7. RECOMMENDED COUPLING TORQUE : 6-10 IN-LBS.

▶ SHOWS CABLE ENTRY DIMENSIONS.

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG	01-Feb-12	48912	RM
B	REMOVED CO. S FROM CABLE STRIPPING DIMENSIONS	21-Mar-12	49003	SH
C	PLATING OF CONTACT PIN WAS CHANGED	18-Jun-12	49127	SH
D	BODY WAS CHANGED /RD-DM16070801S7	19-Jul-16		KCE



**RECOMMENDED CABLE STRIPPING DIMENSIONS**

**CUSTOMER OUTLINE DRAWING**  
 ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:  
 <math>\pm 0.5mm</math> <math>0.5 - 6mm</math> <math>6 - 30mm</math> <math>30 - 120mm</math> ANGLES  
 <math>\pm 0.05mm</math> <math>\pm 0.1mm</math> <math>\pm 0.2mm</math> <math>\pm 0.3mm</math> <math>\pm 1</math>

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MATERIAL	DRAWN STAR	DATE 19-Jul-16	TITLE N PLUG R/A FOR LMR-400-CABLE	Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com
REFERENCE EAR # 4180	ENGINEER M. NAPLES	DATE 10/25/11	SCALE: 3.5:1.0	DRAWING NO. 82-6520
CONFIGURATION LEVEL:	APPROVED S. HSIEH	DATE 20-Jul-16	SHEET 2 OF 2	ITEM NO. 82-6520
FINISH	CAD FILE		DWG SIZE B	PART NO. 82-6520
			REV D	