NOTES:

1. MATERIALS AND FINISHES:
   HOUSING: LCP (UL94V-0)
   CENTER CONTACT: BRASS, GOLD PLATE
   GROUND CONTACT: PHOSPHOR BRONZE, SILVER PLATE

2. ELECTRICAL:

   A: IMPEDENCE: 50Ω, NOMINAL
   B: FREQUENCY RANGE: 0.045 GHz-3GHz (VSWR 1.3 MAX.) 3-6 GHz (VSWR 1.35 MAX)
   C. OPERATING VOLTAGE: 500 VRMS
   D. CONTACT RESISTANCE: CENTER CONTACT= 20 mΩ MAX.
   OUTER CONTACT = 10mΩ MAX.
   E. DIELECTRIC WITHSTANDING VOLTAGE: 200 VAC FOR 1 MINUTE,
   CURRENT LEAKAGE 2mA MAX.
   F. INSULATION RESISTANCE: 500 MEGOHMS MIN.

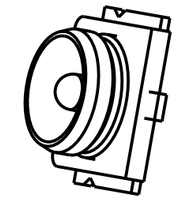
3. PHYSICAL:

   A. DURABILITY: 20 CYCLES
   B. TEMPERATURE RANGE: -40°C TO +90°C
   C. AMMC INTERFACE IS FULLY COMPATIBLE WITH "W.FL" SERIES PRODUCT.
   D. SUITABLE FOR LEAD-FREE SOLDER REFLOW PROCESS PER 349-50712.

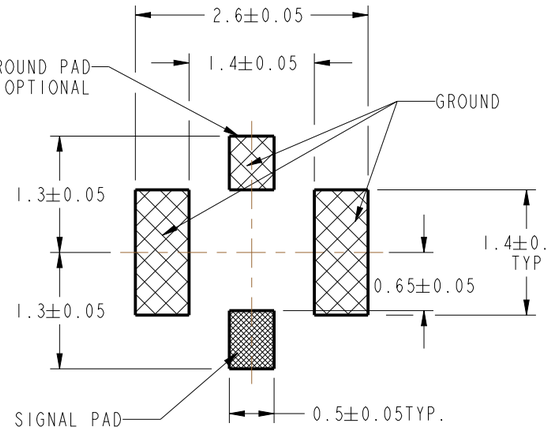
THIRD ANGLE PROJ.

REVISIONS

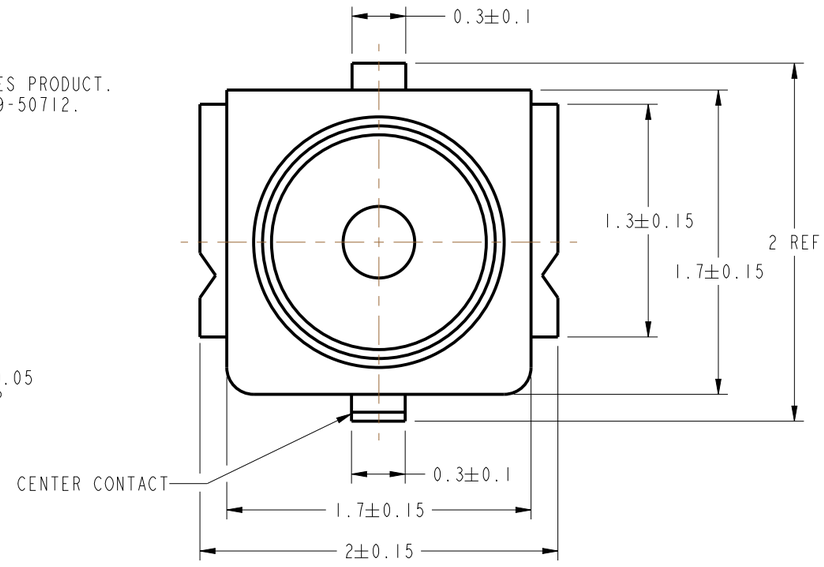
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG	5/18/07	46540	CPM
B	ADDED PURCHASING DRAWING, TAPE SPACING HALVED	11/10/14	50214	MJD

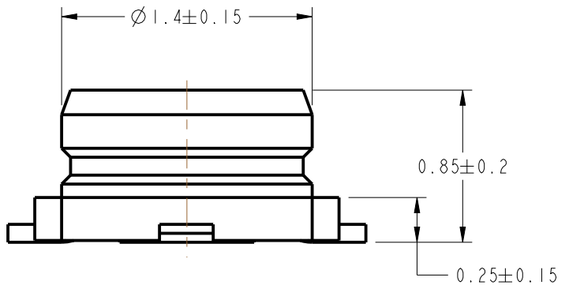


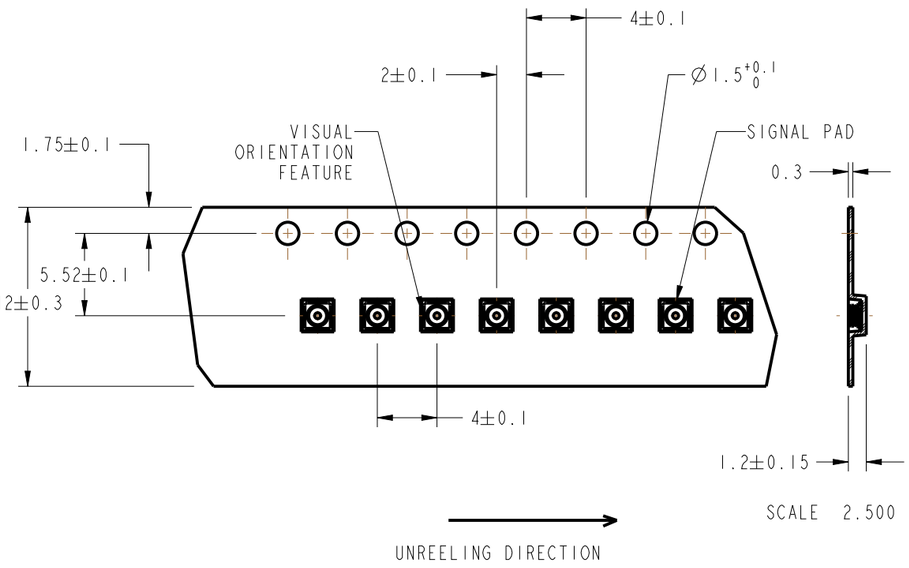
SCALE 15.000



RECOMMENDED PCB PATTERN







SCALE 2.500

EMBOSSED CARRIER TAPE DIMENSIONS

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:

0.5 - 6mm	6 - 30mm	30 - 120mm	ANGLES
±0.1mm	±0.2mm	± 0.3mm	±1°

NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon requiest; and (3) arre confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the funishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implicatioin or otherwise in any manner licensing, granting rights to permitting such holder or any other sperson to manufacture, use or sell any product, process or design, patented or otherwsie, that may in any way be related to or disclosed by said drawings, specifications, or other data.

MATERIAL
-

REFERENCE
EAR # 966 AND

CONFIGURATION LEVEL:

FINISH

DRAWN H. PARIKH — DATE 10-May-07

ENGINEER H. PARIKH — DATE 10-May-07

APPROVED M. HOYACK — DATE 5/16/07

CAD FILE
Root Folder/AMC/A-2JA

TITLE
ASSEMBLY
AMMC, JACK

SCALE: 30.0:1.0 | SHEET 1 OF 2

DWG SIZE	CODE ID	REV
B	74868	B

Amphenol RF
Danbury CT USA, Tainan, Taiwan, Shenzhen, China
www.amphenolrf.com

DRAWING NO. A-2JA

ITEM NO. A-2JA

PART NO. A-2JA

Amphenol® RF

Global RF Solutions

AMMC

FEATURES & BENEFITS

- Easy snap-on/off mating
- Ultra low-profile
  (1.4 mm mating height vs. 2.5 mm AMC)
- Small footprint
  (2 mm x 2 mm vs. 3 mm x 3 mm AMC)
- 100% Compatible with Hirose W. FL series

APPLICATIONS

- WLAN
- Notebook Computers
- Remote Measuring Equipment
- Bluetooth
- GPS
- PDA
- EVDO and EVDV PCMCIA Cards
- Portable Devices



AMMC Connectors

AMMC

Amphenol manufactures a family of Amphenol Micro Miniature Coaxial (AMMC) Connectors for use in applications with 50 Ohm impedance requirements. AMMC connectors are low profile (1.4 mm of the board) and offer an extremely small board footprint (2 mm x 2 mm). This series is 100% compatible with the W.FL interface.

Specifications

Electrical

Impedance	50Ω, nominal
Frequency Range	DC - 6 GHz
Contact Resistance	Center Contact: 20 mΩ Max. Outer Contact: 10 mΩ Max.
Insulation Resistance	500 mΩ Min.
Operating Voltage:	500 VRMS
DWV:	No line or insulation breakdown: 200 VAC for 1 Min.
VSWR:	1.3 Max. at DC - 3 GHz, 1.35 Max. at 3 - 6 GHz.

Mechanical

Durability	20 cycles
Temperature Range	-40° to +90°C
Mating Withdrawl Force	2N - 10N

Material

Connector Body	Phosphor bronze, silver plated (.08u min.) over copper (1-2u)
Connector Center Contact	Phosphor bronze, gold plated (0.2u min.) over nickel (2-3u)
Connector Insulator	PBT
Cable Jacket	FEP
Cable Dielectric	FEP
Cable Center Conductor	32 AWG annealed copper wire stranded, silver plated
Cable Outer Conductor	Annealed copper wire braid, silver plated

For your convenience, please use the part numbering system below to create your own part number:

A-2PAV081-XXXYZ

A: Series Name (A=AMMC)

2PA: Plug

V: Connector Orientation
- (dash) - Both the Same Direction
- C - 90 deg. Clockwise Offset
- F - 180 deg. Offset
- R - 270 deg. Offset

Cable Diameter (OD): 0.081 - 8.1 mm

XXX: Cable length in mm

Y: Cable color:
- G - Gray
- B - Black
- W - White

Z: Number of terminated ends:
- 1
- 2



AMMC Interface is fully compatible with "W.FL" Series Product

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Global RF Solutions