

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Amphenol RF](#)
[531-40144](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

NOTES:

1. MATERIALS OF CONSTRUCTION:

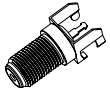
BODY = BRASS, NICKEL PLATED (.000200 MIN THICK)
CONTACT PIN = PHOSPHOR BRONZE, BRIGHT TIN PLATE (.000250 MIN THICK)
BRACKET = PHOSPHOR BRONZE OR C.R.S., BRIGHT TIN PLATE (.000180 MIN THICK)
INSULATORS (2) = POLYPROPYLENE HOMOPOLYMER (BASELL INC., PRO-FAX 6331 or EQUIVALENT),
COLOR: BLUE (PANTONE 801C, Delta E±3%)

2. ELECTRICAL:

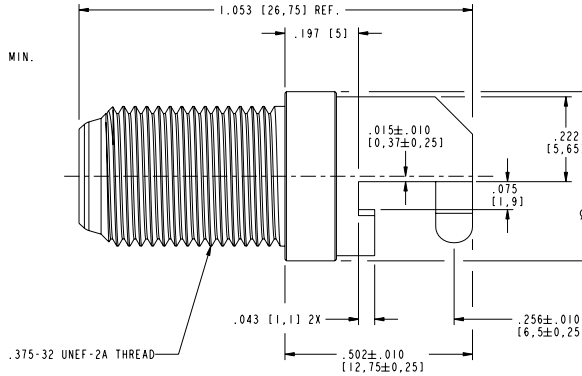
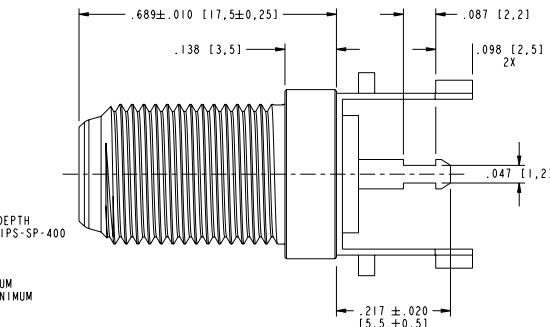
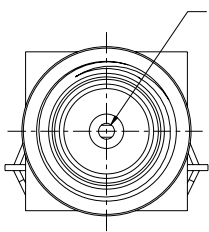
A. IMPEDANCE MATCH: REAL(R) = 75 ±10 OHMS
(WHEN TESTED ON ETC IMAGINARY(X) = ±45 OHMS
TEST BOARD #107303)
B. FREQUENCY RANGE: 900 TO 2150 MHz
C. RETURN LOSS (VSWR): -10 dB (1.925) MAX.
D. D.W.V.: 1200 VRMS FOR 60 SECONDS, MIN.
E. INSULATION RESISTANCE: 500 MEG OHMS
F. CONTACT RESISTANCE: 20 MOHMS MAXIMUM

3. PHYSICAL & MECHANICAL:

A. DURABILITY: 100 CYCLES MINIMUM
B. PIN RANGE: Ø .022 TO .042 TO A DEPTH OF .380" MINIMUM PER IPS-SP-400
C. INSERTION FORCE: 100 gm - 500 gm
D. WITHDRAWAL FORCE: 30 gm - 130 gm
E. MATING TORQUE: 15 IN-LBS. MAXIMUM
F. BODY TO BRACKET RETENTION: AXIAL = 60 LBS MINIMUM
RADIAL = 15 IN-LBS MINIMUM
G. CONTINUOUS OPERATING TEMPERATURE: -40° TO +60°C
H. SHORT DURATION TEMPERATURE: +170°C FOR 30 SECONDS
+200°C FOR 5 SECONDS
I. FLAMMABILITY RATING: UL94-HB

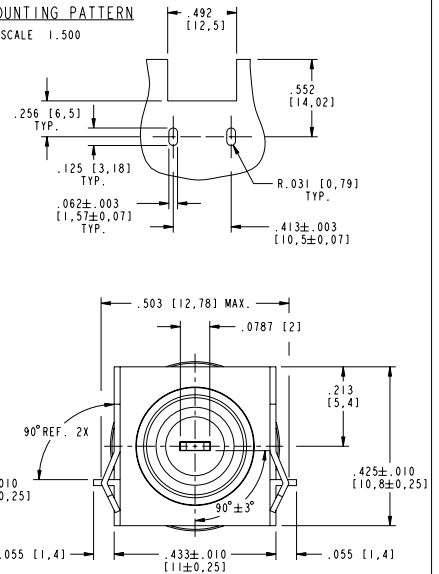


SCALE 1.000



PCB MOUNTING PATTERN

SCALE 1.500



CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:
2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES
±.015 (0.381 mm) ±.005 (0.127 mm) ± 1°

NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol Corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. The furnishing 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 implication or otherwise in any manner licensing, granting rights or permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.

MATERIAL

REFERENCE

119479
SIMILAR TO: 531-40101
EAR# 809
GEN# KJ-F625100-005-N.TPPT

DRAWN

B.C. GLEISSNER

ENGINEER

B.C. GLEISSNER

APPROVED

O. BARTHELMES

CAD FILE

1:\CATV\F&G\531-40144

DATE

05-Mar-03

DATE

05-Mar-03

DATE

6/11/03

TITLE

F RECEPTACLE,
PCB, EDGE MOUNT
(BLUE INSULATOR)

Amphenol RF

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

SCALE: 4.0:1 SHEET 2 OF 2

CODE ID

74868

DWG SIZE

B

DRAWING NO.

531-40144

REV

B