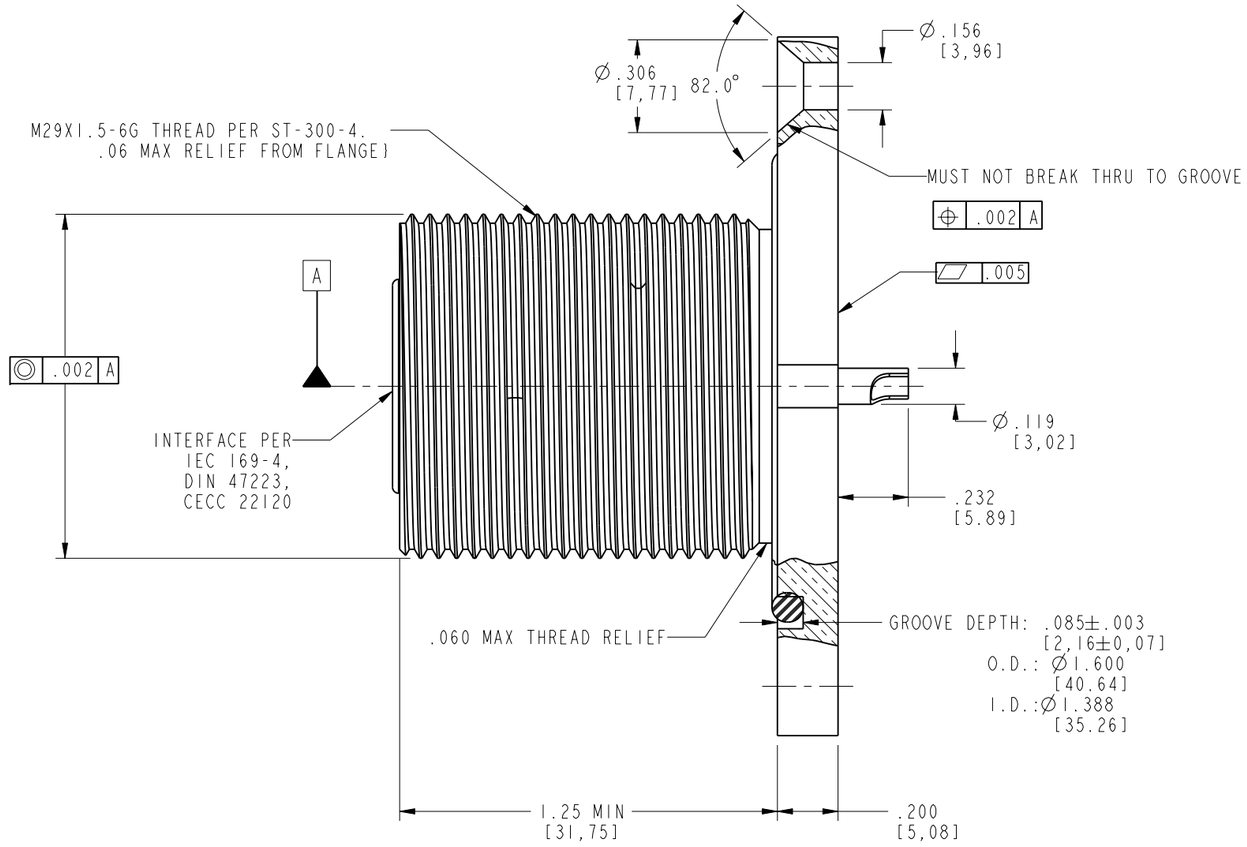
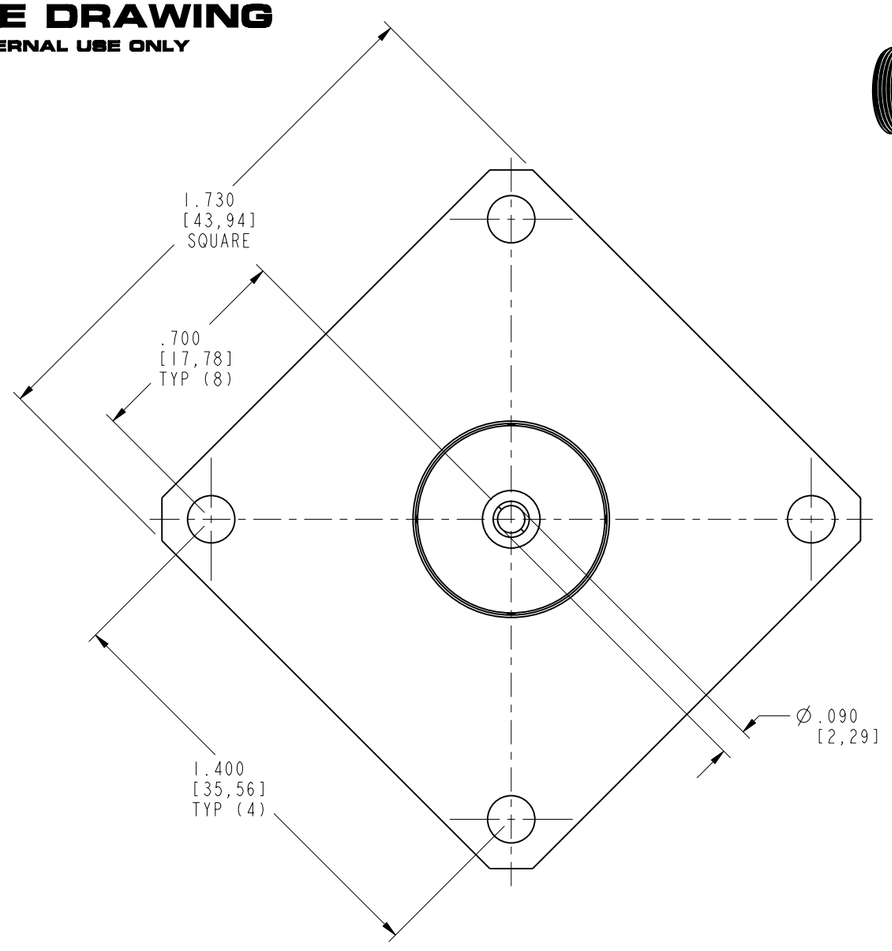
NOTES:
1. MATERIALS AND FINISHES:
   BODY - BRASS, WHITE BRONZE PLATING(55% Cu, 25% TIN, 20% ZINC)
   CONTACT - PHOSPHOR BRONZE, GOLD PLATING(.000100 MIN OVER .000100 MIN COPPER)
   INSULATOR - PTFE
   O-RING - SILICONE RUBBER
2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC - 7.5 GHz
   C.RETURN LOSS - 30 dB MIN. @ 3 GHz
   D. DIELECTRIC WITHSTANDING VOLTAGE: 4000 VRMS, MIN.
   E. PASSIVE INTERMODULATION: CONSTRUCTED TO MEET -120 dBm WITH TWO +43 dBm CARRIERS WHEN PROPERLY TERMINATED.
3. MECHANICAL:
   A. DURABILTIY: 500 CYCLES MIN.
   B. TEMERATURE RANGE: -40° C TO 150° C
   C. COUPLING NUT TORQUE: 260.0 IN-LBS
   D. PROOF TORQUE: 310.0 IN-LBS
4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: BAG TO BE MARKED "AMPHENOL, 716-187, AND DATE CODE"
5. CONNECTOR COMPLIES WITH IEC 169-4, CLASS 3 AND CECC 22190 SPECIFICATIONS.

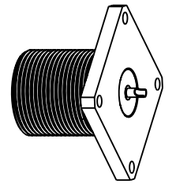
716-187	REVISIONS				
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ.	A	RELEASE TO MFG.	4/27/04	44941	HP
	B	ADDED O-RING, CHANGED THE GLAND DIMS	6/10/04	45013	HP
	C	I. FLANGE HOLE DIMS WERE: Ø.310 AND Ø.150 2. FLANGE WAS: 1.75 SQUARE 3. SEE NOTE-1, CONTACT WAS GOLD PLATED	8/2/04	45043	HP
	D	I. CHANGED THE GLAND DIMENSIONS II. ADDED GEOMETRIC TOLERANCES III. SEE NOTE 1 AND 3 IV. CHANGED THE SOLDER CUP DIMENSIONS	9/10/04	45137	HP

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY







SCALE 0.500

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:
2 PLACE DECIMAL ±.015 (0,381 mm) | 3 PLACE DECIMAL ±.005 (0,127 mm) | ANGLES ± 1°

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MATERIAL

REFERENCE
GEN# ASSYF49_716
EAR #1347
611X-4095-100
ECO# 45137

DRAWN	H. PARIKH	DATE 4/22/04
ENGINEER	H. PARIKH	DATE 4/22/04
APPROVED	O. BARTHELMES	DATE 4/26/04

TITLE
7/16 (F) RECEPTACLE
PANEL MOUNT

Amphenol RF
Danbury, CT, USA
Tainan, Taiwan
Shenzhen, China
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SCALE: 2.0:1 | SHEET 2 OF 2

CAD FILE	CODE ID	DWG SIZE	DRAWING NO.	REV
I:\716\716-187	74868	B	716-187	D