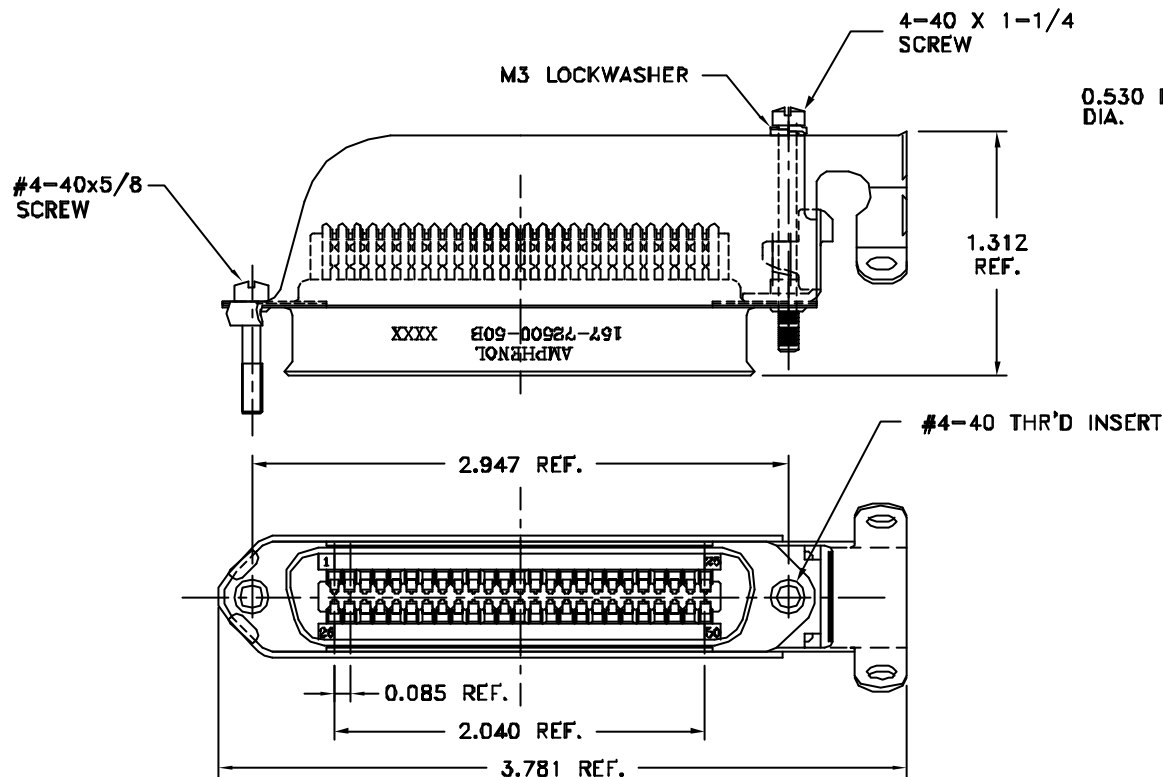


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REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
A	HK3371	INITIAL RELEASE	10/28/05	IP
B	HK	Add category 3 & 5 performance	07/12/06	IP



TABLE 1

CONNECTOR SIZES	AVERAGE MATING FORCE (POUNDS)
14	5
24	8
36	12
50	15
64	19

**SPECIFICATIONS:**

- 1) INSULATION DISPLACEMENT CONTACTS: TO ACCOMMODATE 24-26 AWG SOLID AND 26-28 STRANDED CONNECTOR WIRES.
- 2) DIELECTRIC: PBT GLASS FIBER RE-INFORCED, UL-94V0
- 3) CONTACT MATERIAL: COPPER ALLOY
- 4) CONTACT: 20 MICRO-INCHES MIN. GOLD MATING AREA: 3-5 MICRO-INCHES GOLD  
TERMINAL AREA: 50 MICRO-INCHES MIN. NICKEL UNDERPLATING ALL OVER.
- 5) SHELL MATERIAL: ZINC PLATED STEEL WITH CLEAR CHROMATE COATING
- 6) CURRENT CAPACITY: 5 AMPS/CONTACT
- 7) VOLTAGE RATING: 700 VOLTS D.C. AT SEA LEVEL  
200 VOLTS D.C. AT 70,000 FEET
- 8) INSULATION RESISTANCE: >5000 M OHM
- 9) DIELECTRIC WITHSTANDING VOLTAGE: 1200 VAC (RMS) AT SEA LEVEL
- 10) CONNECTOR MATING FORCE: REFER TO TABLE 1.
- 11) CONTACT RETENTION FORCE: 2 LBS MAX.
- 12) DURABILITY: 250 CYCLES MIN.
- 13) VIBRATION: NO INTERRUPTIONS < 1u SEC.
- 14) OPERATING TEMPERATURE: -55°C TO +105°C (-67°F TO +221°F)
- 15) Meets or exceeds ANSI/ICEA S-90-B61-2002 for both Category 3 and Category 5 performance provided that the cable pairs are terminated in numeric sequence as follows, and the integrity of the twists is maintained to within 0.50" of the point of termination: 1-2,3-4,... 49-50

**CUSTOMER INFORMATION DRAWING**

ITEM NO	PART OR IDENTIFICATION NO	NON-CLASSIFICATION OR DESCRIPTION	CITY
PARTS LIST			
UNLESS OTHERWISE SPECIFIED TOLERANCES		APPROVAL	DATE
U.S. METRIC		DRAWN XB.GUO	12/05/06
.X +/- 0.020		CHECKED	
.XX +/- 0.010		CHECKED	
.XXX +/- 0.005		DRAWING FILE: \DRAWING\157\C157250005.DWG	
FRACTIONS +/-		TITLE 50 CONTACT PLUG ASSEMBLY	
ANGLES +/- 1°		RUNNING CABLE 25-50 END	
FOR MATERIALS AND FINISHES SEE NOTES		28 & 26 AWG WIRE, DUST COVER	
REMOVE SHARP EDGES		SIZE DRAWING NO.	
DIMENSIONS		A3 C157-72500-50B	
U.S. INCHES		SCALE	REV.
-(METRIC)- -(MM)-		NONE	B
		SHEET 1 OF 1	