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TO ASSEMBLE CONNECTOR, SLIDE THE HOOD (FROM LEFT TO RIGHT ON ILLUSTRATION) IN SUCH A MANNER THAT THE 2 TABS OF THE BRACKET ENTER THE SLOTS OF THE HOOD.

PUT THE LATCHING SCREW THRU. THE HOLE ON LEFT END OF CONNECTOR. THE SCREW HOLDS THE SHELLS TOGETHER & IS RETAINED BY THREADS IN THE HOOD.

4-40 X 1.0 SCREW

4-40 X .375 SCREW

AMPHENOL
157-72500-51(448)
XXX

2.949 REF.

3.781 REF.

0.660 MAX.
0.410 DIA.REF.
1.062 REF.

EXTRUSION FOR
4-40 X 3/8 TAPITE SCR.

TO TIGHTEN CABLE CLAMP, BEND THE ENDS INWARD UNTIL THE SCREW & EXTRUSION ARE ON CENTER.



CUSTOMER INFORMATION DRAWING

REVISIONS

SYM	ECN	DESCRIPTION	DATE	APPROVED
A	HK	INITIAL RELEASE	1/10/06	Michael.IP
B2	HK	Correct the description of "25-50 END", add ROHS chop	01/27/06	Michael.IP
B3	HK	Correct the description of UNIT-PACKED	2/04/06	Michael.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: 30 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) METAL HOOD, SCREWS AND DUST COVER ARE SHIPPED UNIT- PACKED.
- 16) CONNECTOR ASSEMBLED FOR ILLUSTRATION ONLY.

ITEM NO	PART OR IDENTIFICATION NO	NOMENCLATURE OR DESCRIPTION	QTY REQ'D
PARTS LIST			
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.020 .XX +/- 0.010 .XXX +/- 0.005 FRACTIONS +/- ANGLES +/- 1° FOR MATERIALS AND FINISHES SEE NOTES REMOVE SHARP EDGES DIMENSIONS U.S. INCHES -(METRIC)- -(MM)-		APPROVAL DRAWN XS.GUO CHECKED CHECKED DRAWING FILE : DRAWING\157\C1577250051448.DWG	DATE 2/04/06
		Amphenol	
		TITLE 50 CONTACT PLUG ASSEMBLY ULTRA RUNNING CABLE 25-50 END 28 & 26 AWG WIRE, LONG SCREW	
		SIZE A3	DRAWING NO. C157-72500-51(448)
ANGLE OF PROJECTION 		SCALE NONE	REV. B3
		SHEET 1 OF 1	