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REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
A	HK	PRELIMINARY RELEASE	11/20/02	Y.M.LEE
B	HK	ADD CHOP OF ROHS	5/4/06	IP



TABLE 1

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

- 10) DIELECTRIC WITHSTANDING VOLTAGE: 1200 VAC (RMS) AT SEA LEVEL
- 11) CONNECTOR MATING FORCE: REFER TO TABLE 1.
- 12) CONTACT RETENTION FORCE: 2 LBS MAX.
- 13) DURABILITY: 250 CYCLES MIN.
- 14) VIBRATION: NO INTERRUPTIONS < 1u SEC.
- 15) OPERATING TEMPERATURE: -55°C TO +105°C (-67°F TO +221°F)

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.
- 6) BAIL LATCH MATERIAL: STAINLESS STEEL WIRE, PASSIVATED FINISH.
- 7) CURRENT CAPACITY: 5 AMPS/CONTACT
- 8) VOLTAGE RATING: 700 VOLTS D.C. AT SEA LEVEL  
200 VOLTS D.C. AT 70,000 FEET
- 9) INSULATION RESISTANCE: >5000 M OHM

CUSTOMER INFORMATION DRAWING

ITEM NO	PART OR IDENTIFICATION NO	NOMENCLATURE OR DESCRIPTION		QTY REQ'D
PARTS LIST				
UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC		APPROVAL	DATE	Amphenol
.X +/- 0.020		DRAWN XS.GUO	5/4/06	
.XX +/- 0.010		CHECKED		
.XXX +/- 0.005		CHECKED		
FRACTIONS +/-		TITLE 50 CONTACT RECEPTACLE ASSEM, CABLE MOUNT—MICROPIERCE, MODIFIED BACK SHELL		
ANGLES +/- 1°				
FOR MATERIALS AND FINISHES SEE NOTES		DRAWING FILE : \\DRAWING\157\C15762500.DWG		
REMOVE SHARP EDGES		ANGLE OF PROJECTION		
DIMENSIONS		SIZE DRAWING NO. REV.		
U.S.	INCHES	A3 C157-62500		B
<del>(METRIC)</del>	<del>(MM)</del>	SCALE NONE SHEET 1 OF 1		

# Mouser Electronics

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