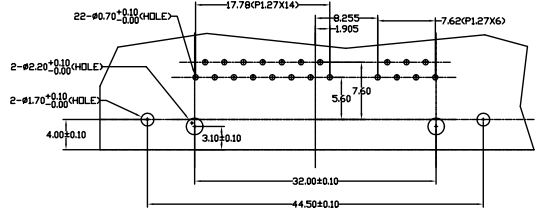
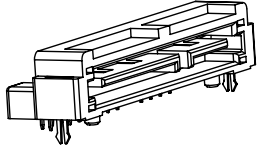
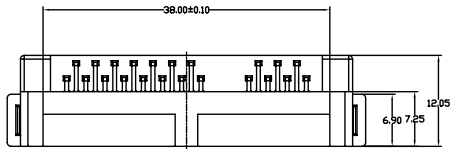


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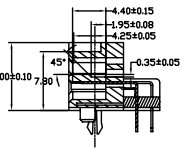
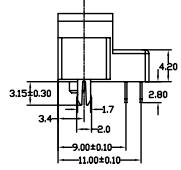
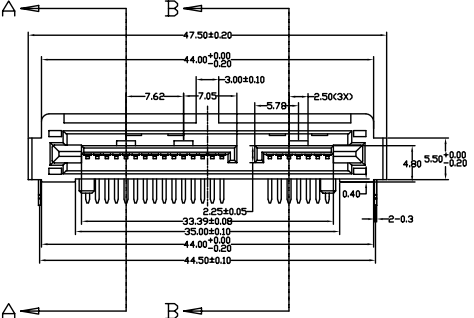
REVISIONS				
SYM	ECN	DESCRIPTION	DATE	APPROVED
A	HKXXXX	INITIAL RELEASE	6/28/05	Michael.IP
B	HKXXXX	MODIFY THE POST	7/10/05	Michael.IP
C	HKXXXX	MODIFY THE PLASTIC	7/26/05	Michael.IP
D	HKXXXX	MODIFY THE BOARD LANE WIDTH FROM 1.25 TO 1.50 MODIFY THE TAIL LENGTH FROM 2.50 TO 3.50	9/15/05	Michael.IP



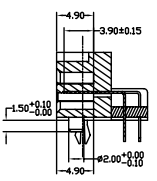
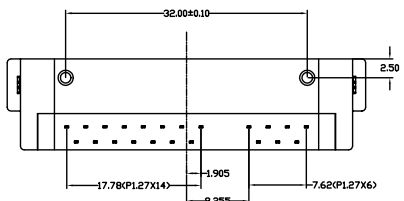
RECOMMENDED PCB LAYOUT
(PCB THICKNESS 1.6mm OR 2.0mm)

NOTE:

- MATERIAL:
 - HOUSING: FR-6145, UL 94 V-0, BLACK;
 - CONTACTS: COPPER ALLOY T=0.25mm;
 - CONTACT FINISHED: 1.27-2.54um. NICKEL UNDER PLATED ON ENTIRE CONTACT; SEE NOTES 4 FOR GOLD PLATING ON MATING AREA; 2.54-5.08um MATTE TIN PLATED ON TAIL AREA;
 - SOLDER TAB: BRASS, t=0.3mm;
 - SOLDER TAB FINISHED: 2.54-5.05um PURE MATTE TIN OVER 1.27um MIN. NICKEL;
- SPECIFICATIONS:
 - RATED CURRENT: SIGNAL PIN 1.5A MIN
POWER PIN 1.5A MIN
 - DIELECTRIC STRENGTH: 1000V FOR 1 MINUTE
 - INSULATION RESISTANCE: 1x10³ MΩ
 - TEMPERATURE: -40°C TO +105°C
 - CONTACT RESISTANCE: 30mΩ MAX
 - PIN RETENTION FORCE: 10N MIN. TOTAL (2.25 LB)
- PACKAGE: PACKING WITH TRAY.
- ORDERING INFORMATION:
 - SATA - 001 - 0221 - X
 - GOLD PLATING ON MATING AREA:
 - 1: 0.76 um MIN.
 - 2: 0.38 um MIN.
 - 3: GOLD FLASH



SECTION A-A



SECTION B-B

Customer Drawing



UNLESS OTHERWISE SPECIFIED TOLERANCES U.S. METRIC .X +/- 0.5 .XX +/- 0.15 X.XX +/- 0.15 FRACTIONS +/- 0.15 ANGLES +/- 0.15 FOR MATERIALS AND FINISHES SEE NOTES	APPROVAL	DATE	Amphenol
	DRAWN: Tom.Kang	9/15/05	
REMOVE SHARP EDGES	CHECKED: Michael.IP	9/15/05	TITLE
DIMENSIONS U.S. INCHES (METRIC) (MM)	DRAWING FILE: \\drawing\DATA\CMTA0010221X.DWG		15+7PIN SATA PLUG
	ANGLE OF PROJECTION		SIZE DRAWING NO. A3C SATA-001-0221-X
			REV. D
			SCALE NONE SHEET 1 OF 1