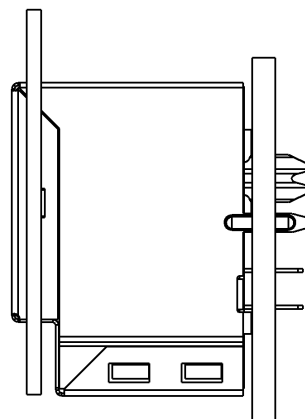
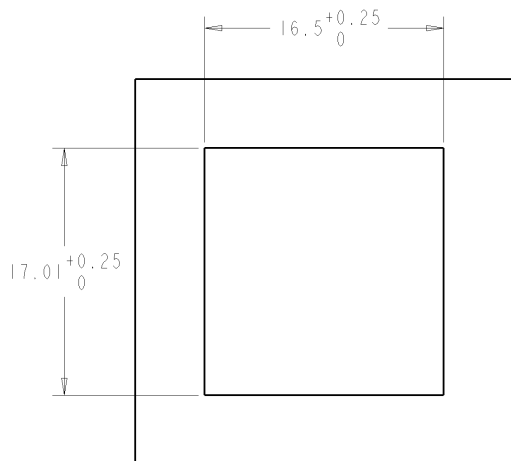
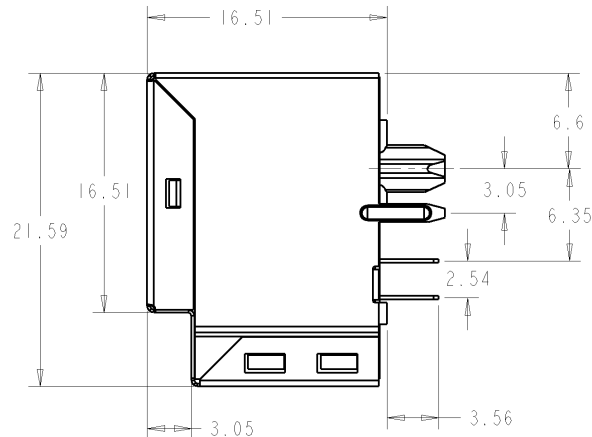
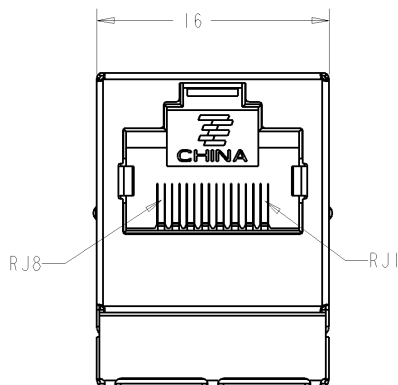
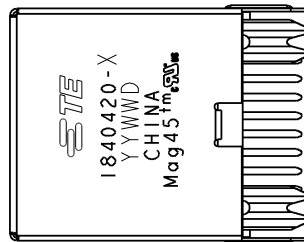
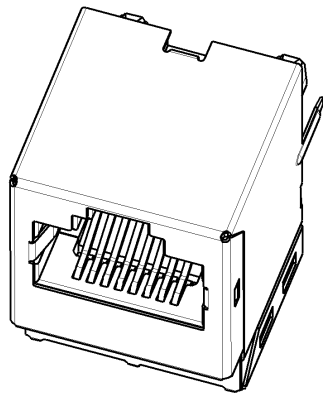


LOC	DIST	REVISIONS					
AA	00	P	LYR	DESCRIPTION	DATE	OWN	APPR
		B		ECO-08-004426	22APR2008	TR	TX
		C		ECO-11-019412	20JUN2011	PP	LJ



1. MATERIALS
HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATED UL 94V-0
SHIELD: BRASS, 0.20mm THICK,
PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL
POST DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.
CONTACT: PHOSPHOR BRONZE,
WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
SOLDER TAIL: PHOSPHOR BRONZE,
WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
PLATED WITH 2.54um MIN TIN
LED: DIFFUSED EPOXY LENS, 0.50mm SQUARE CARBON STEEL WIREFRAME LEADS
PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL
OVER 1.02um MIN COPPER UNDERPLATE POST PLATED WITH 2.54um MIN TIN

2. MAGNETICS
-APPLICATION: 10/100 BASE-T
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP: CABLE): TX = 1:1, RX = 1:1
-OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
8mADC BIAS FROM 0°C TO 70°C, TX AND RX
-PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
12dB MIN FROM 60.1MHz TO 80MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 23.5.1.1, ITEM b.

3. THE MAGNETIC ARE SYMMETRICAL AND SUPPORT AUTO-MDIX OPERATION.

4. OPERATING TEMPERATURE: 0 ~ 70°C
5. ALL DIMENSIONS TO BE NOMINAL UNLESS OTHERWISE NOTED
6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

1840420-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW: TOMMY REN 18AUG2006	STE TE Connectivity			
DIMENSIONS:		CHK: KEITH ZHU 18AUG2006	NAME			
mm		APPR: TEDDY XIONG 18AUG2006	PRODUCT SPEC			
			108-2100			
			APPLICATION SPEC			
			WEIGHT			
			CUSTOMER DRAWING			
			SIZE CAGE CODE DRAWING NO			
			A2 00779 C=1840420			
			RESTRICTED TO			
			SCALE 3.1 SHEET 1 OF 2 REV C			

C1 = 1000pF, 2KV, CAPACITOR
 R1 - R4 = 75 ohms, RESISTOR

AMP 1471-9 REV 31MAR2000