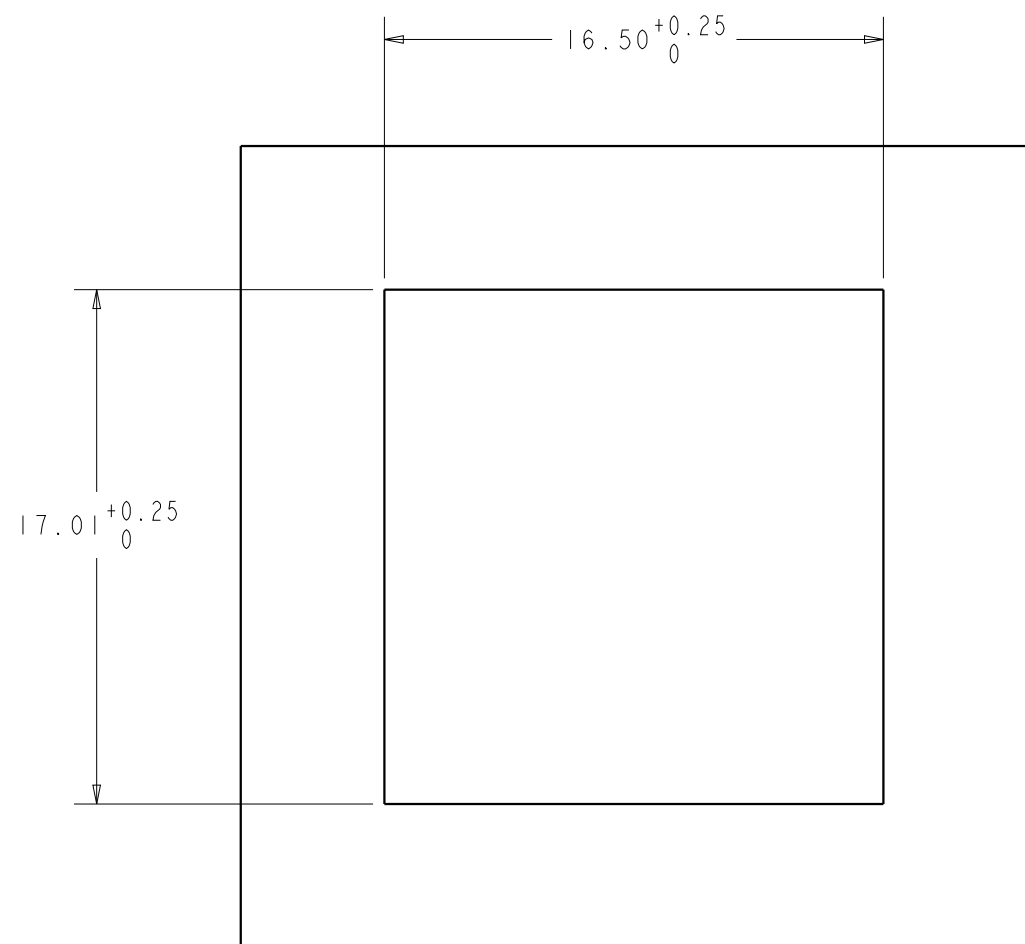
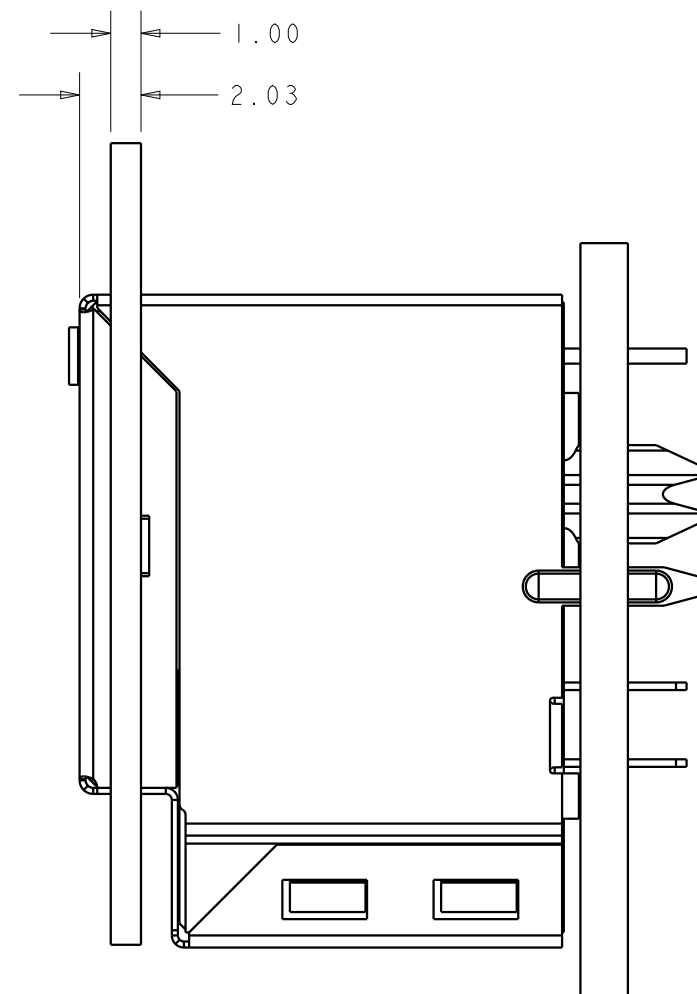
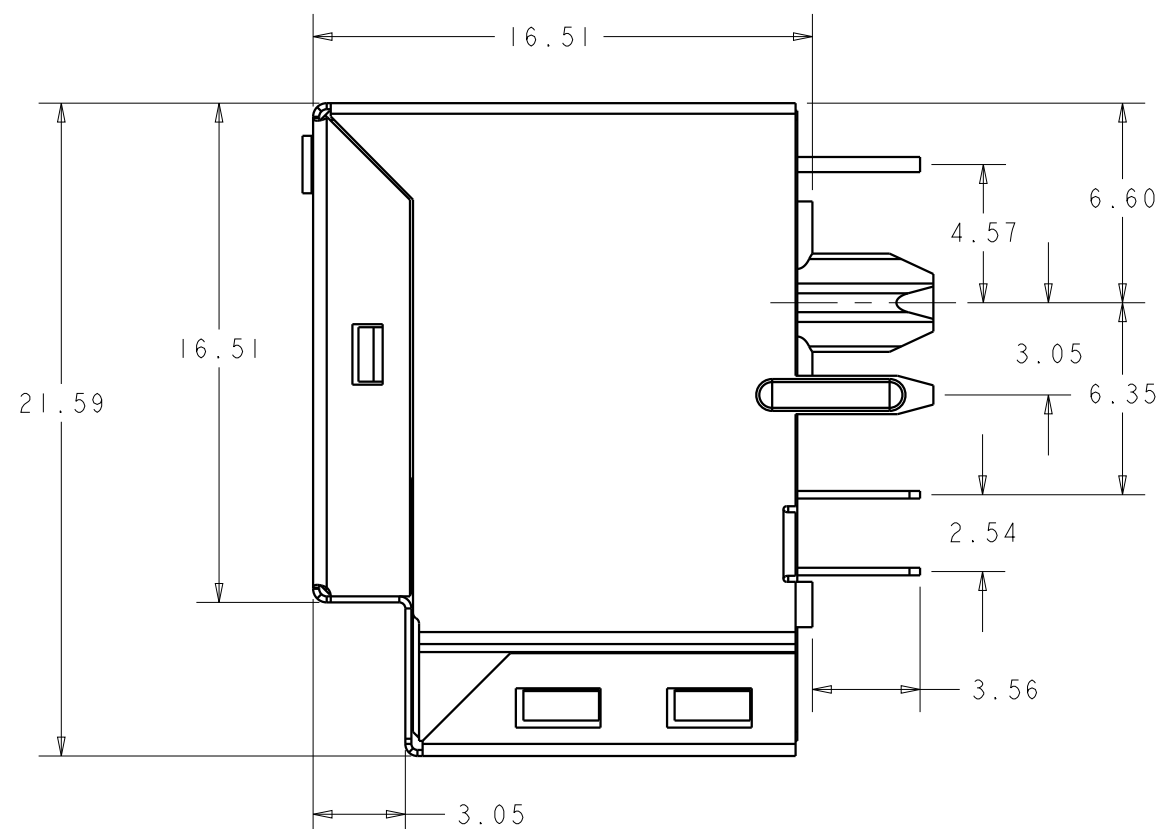
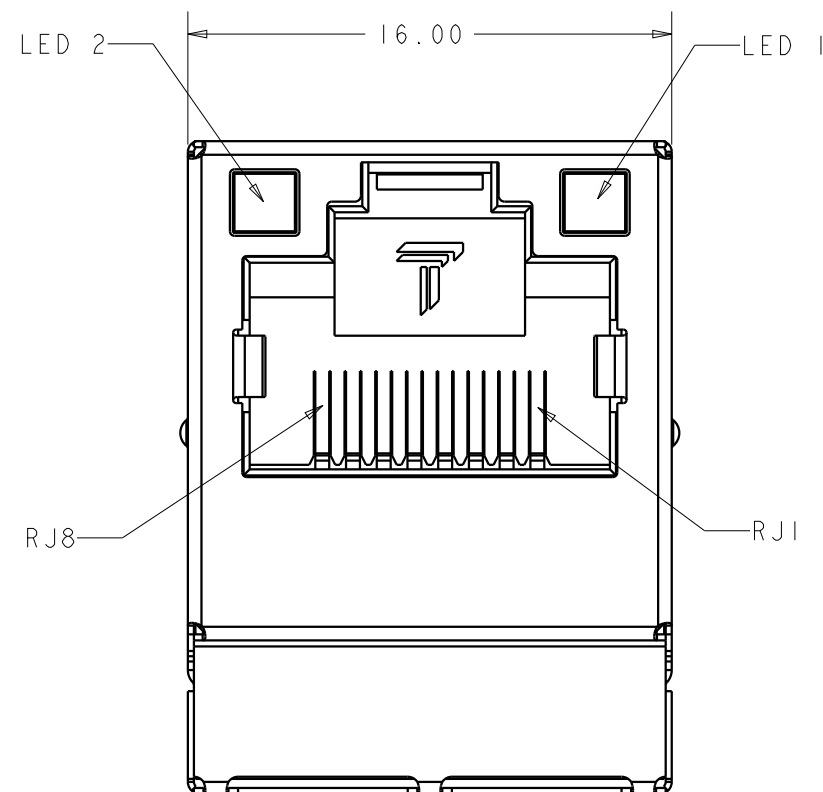
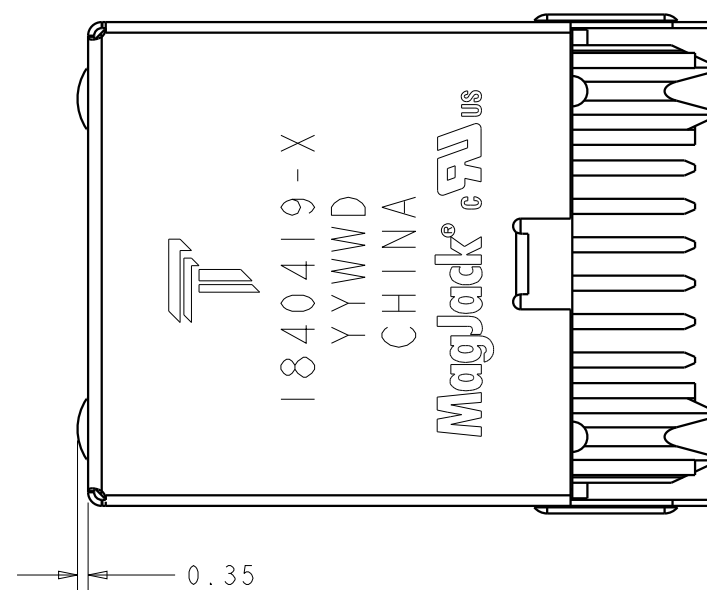
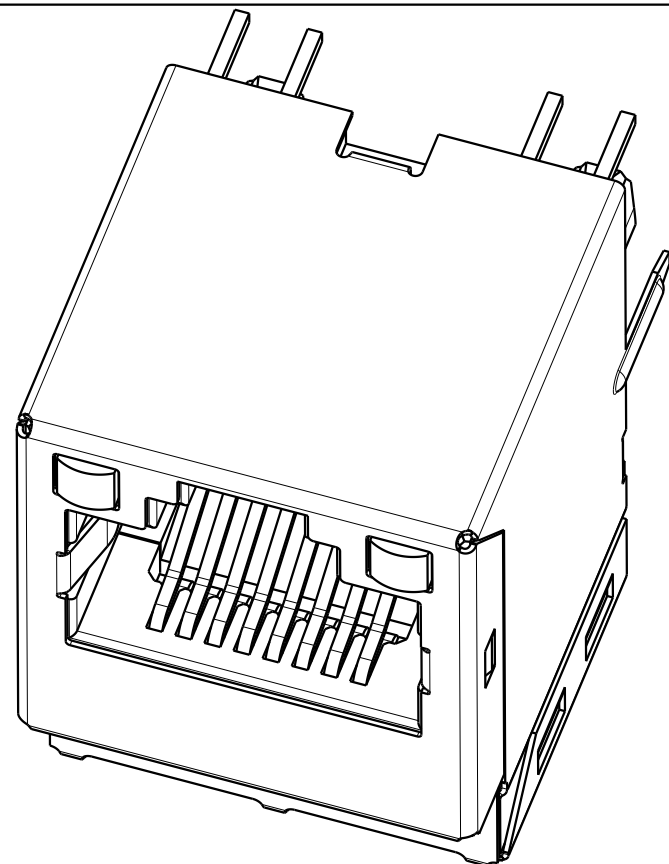


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	G	EC-1411035, LOGO CHANGE	22DEC2014	JC	TY



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.

CONTACTS: PHOSPHOR BRONZE, PLATED WITH 1.27um MIN OVERALL NICKEL UNDERPLATE, SELECTIVE 1.27um MIN GOLD AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS. OR 1.27um MIN NICKEL UNDERPLATE, WITH 0.05um GOLD PLATING OVER 0.76um MIN PALLADIUM NICKEL PLATING AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.

SOLDER TAIL: PHOSPHOR BRONZE,
WITH 1.27 μ m MIN OVERALL NICKEL UNDERPLATE AND
PLATED WITH 2.54 μ m 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, 8mA DC 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. LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.

DOMINANT WAVELENGTH(λ_D)

GREEN 568nm TYP. at IF=20mA

YELLOW 588nm TYP. at IF=20mA

FORWARD VOLTAGE {VF}:

GREEN 2.2V TYP. at $I_F = 20\text{mA}$

YELLOW 2.1V TYP. at IF=20mA

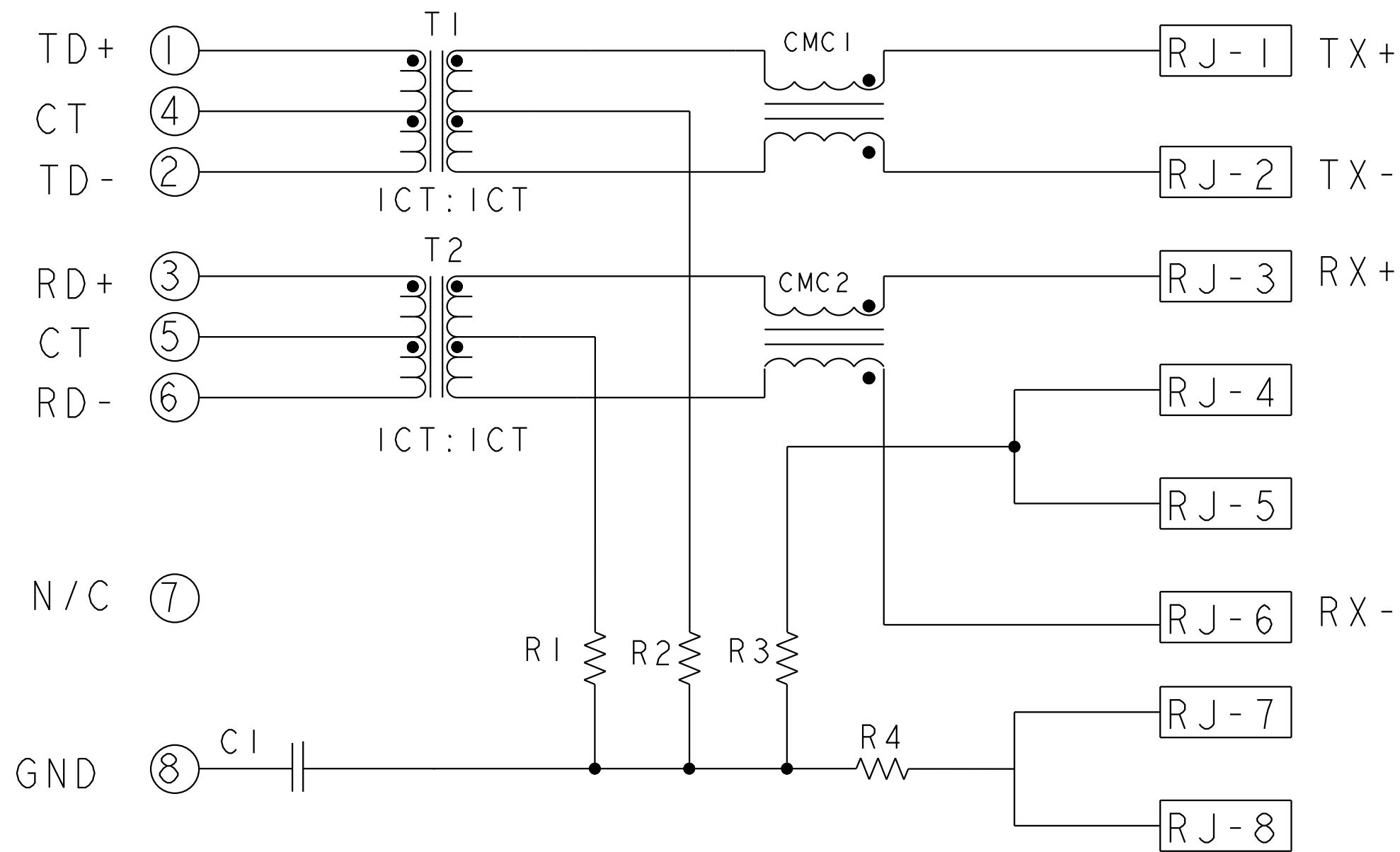
6. ALL DIMENSIONS TO BE NOMINAL UNLESS OTHERWISE NOTED

7. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

YES	YELLOW	GREEN	1-1840419-3
NO	GRN/YEL	GRN/YEL	1840419-4
NO	YELLOW	GREEN	1840419-3
NO	GREEN	YELLOW	1840419-2
NO	GREEN	GREEN	1840419-1
CUT OUT	LED 1	LED 2	PART NUMBER

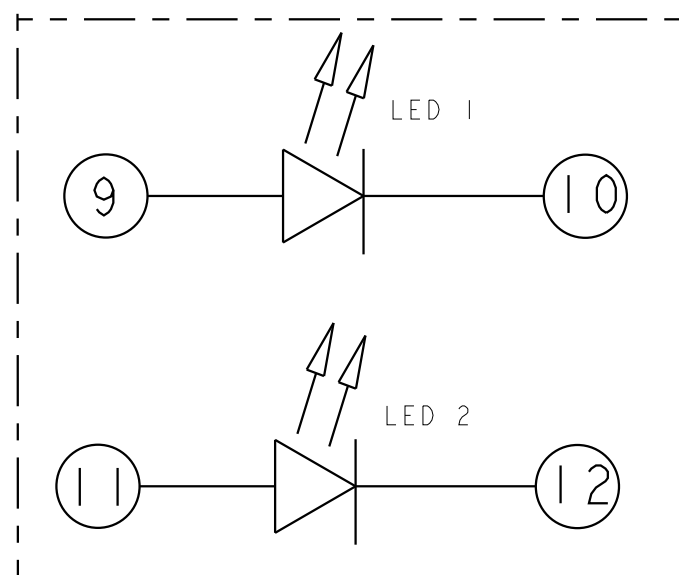
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TOMMY REN 18AUG2006 CHK KEITH ZHU 18AUG2006 APVD TEDDY XIONG 18AUG2006 MODEL NAME MAGJACK SINGLE NON-POE		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± APPLICATION SPEC		DESC 1X1,MAGJACK, VERTICAL 426P13, 10/100 CIRCUIT, W/ LEDS			
PRODUCT SPEC 108-2100				SIZE A2	CAGE CODE	DRAWING NO C=1840419	RESTRICTED TO -
CUSTOMER DRAWING				SCALE	4	SHEET	1 OF 2
				REV	1		

426P13 10/100 BASE-T CIRCUIT^{△2}₃

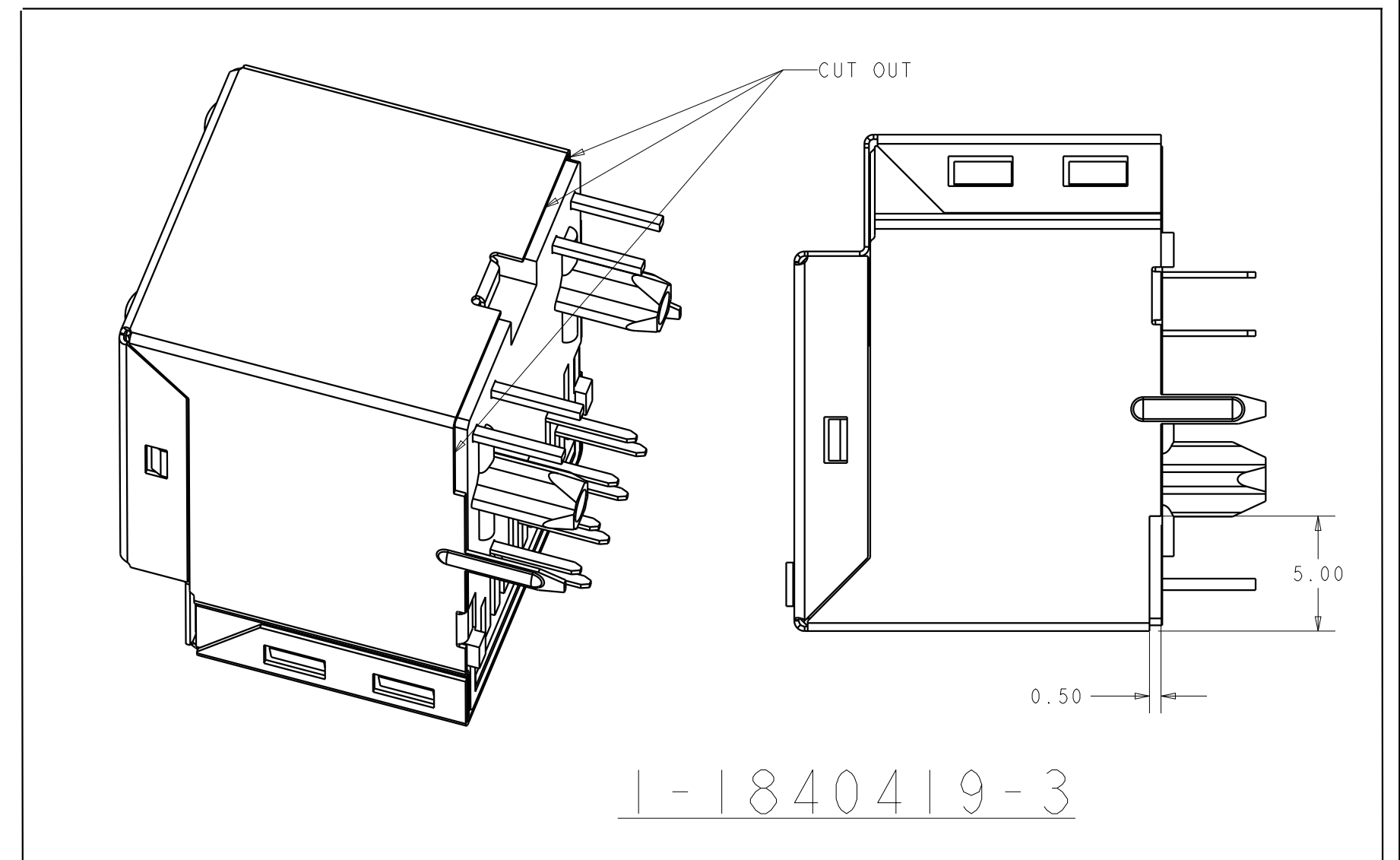
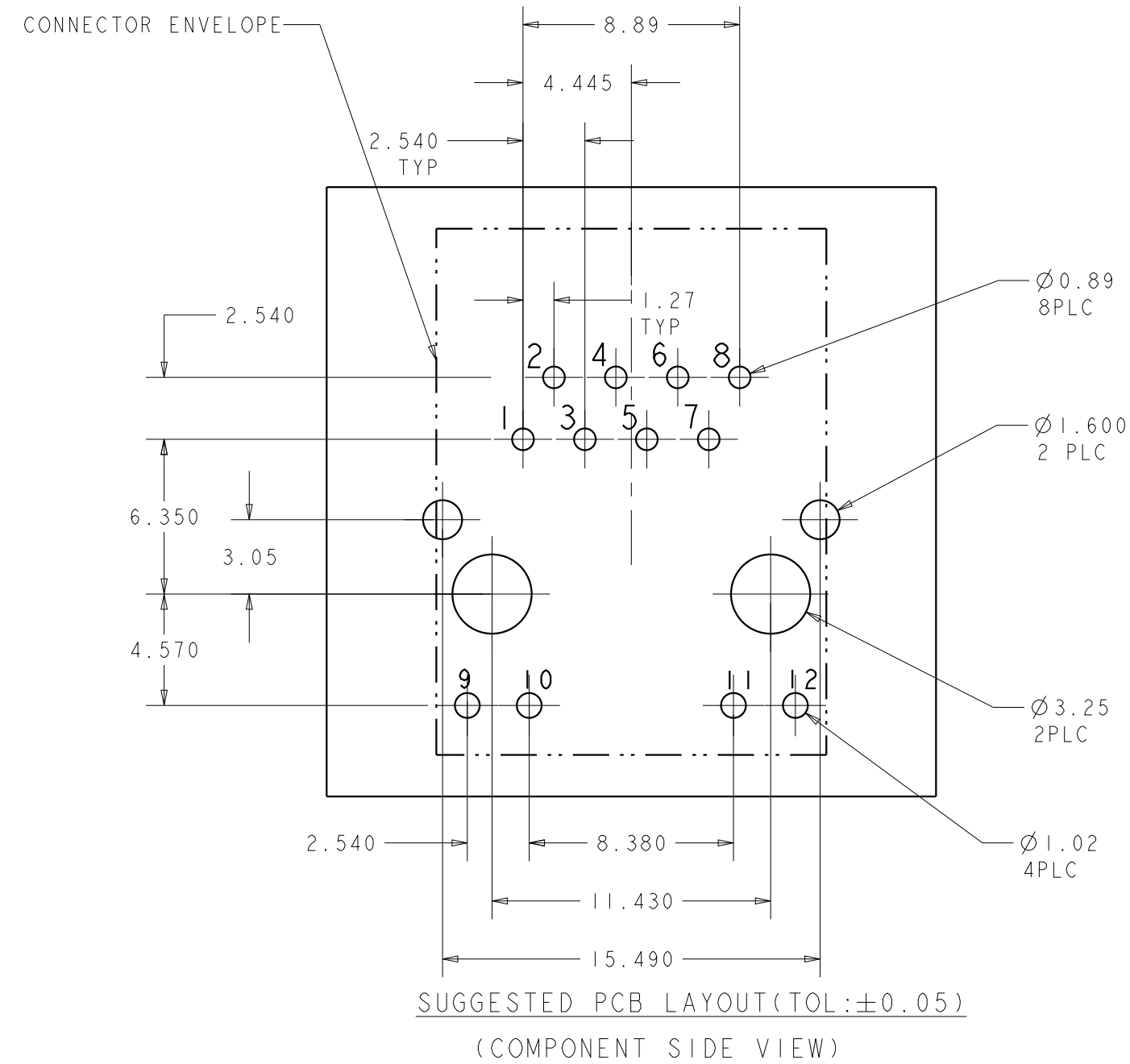
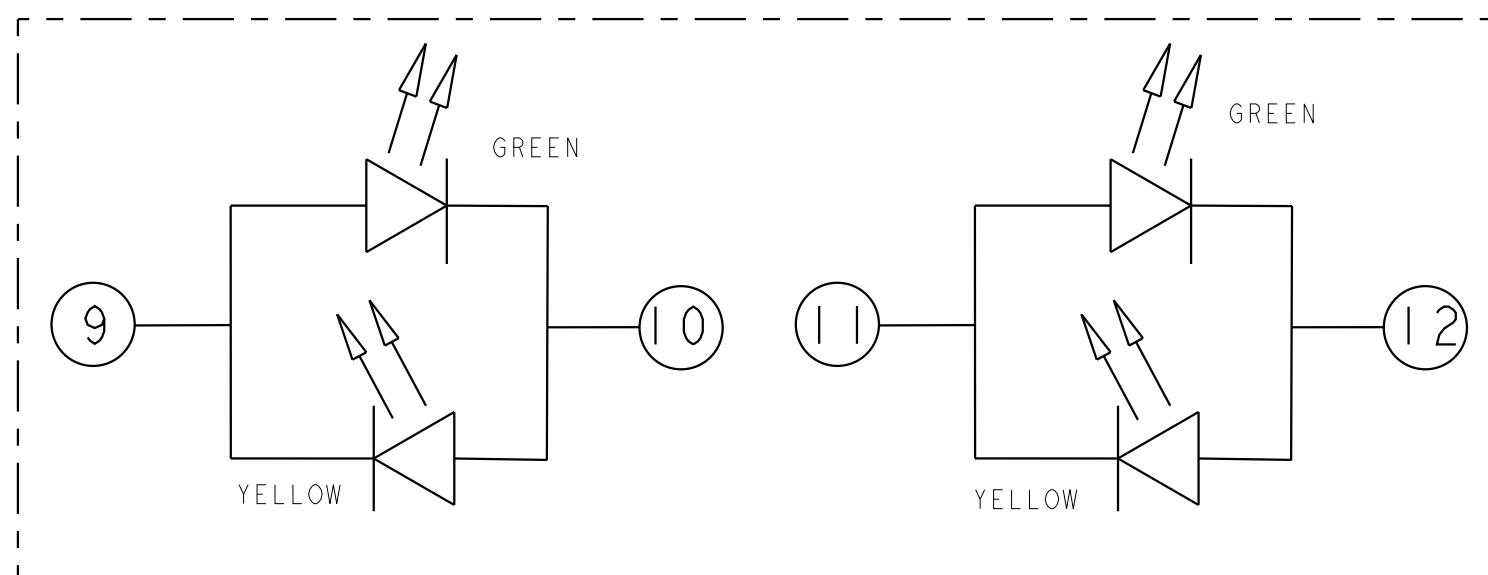


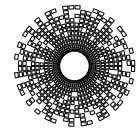
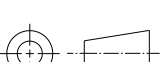
C1 = 1000pF, 2KV, CAPACITOR
R1 - R4 = 75 ohms, RESISTOR

SINGLE COLOR LED



BI-COLOR LED



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TOMMY REN 18AUG2006	 trp a bel group		DONGGUAN CHINA				
DIMENSIONS: mm		CHK KEITH ZHU 18AUG2006							
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD TEDDY XIONG 18AUG2006							
		MODEL NAME	DESC						
		MAGJACK	1X1, MAGJACK, VERTICAL						
PRODUCT SPEC		SINGLE NON-POE		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
108-2100				A2		C=1840419	-		
APPLICATION SPEC				CUSTOMER DRAWING		SCALE	SHEET	OF	REV
-						4:1	2	2	G