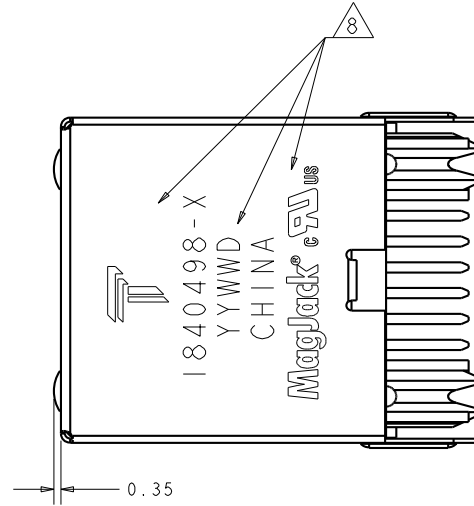
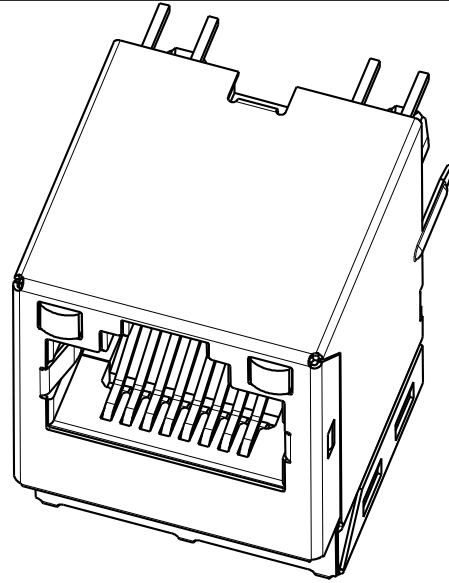


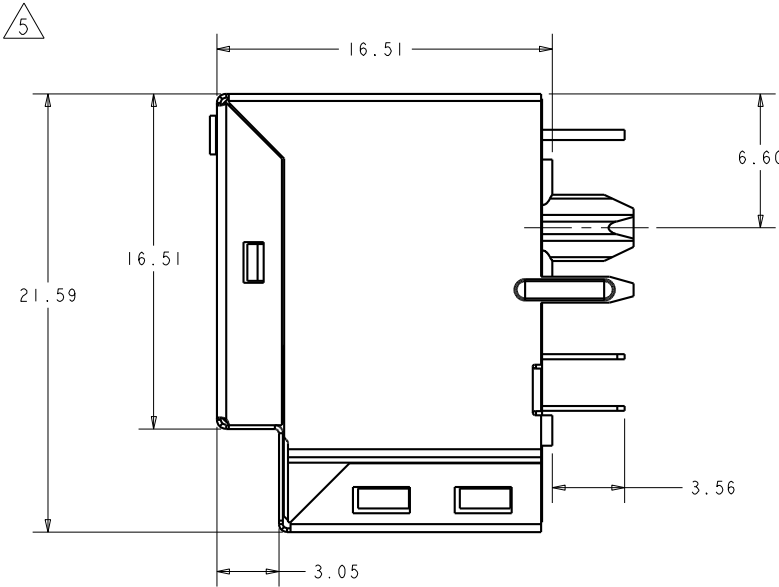
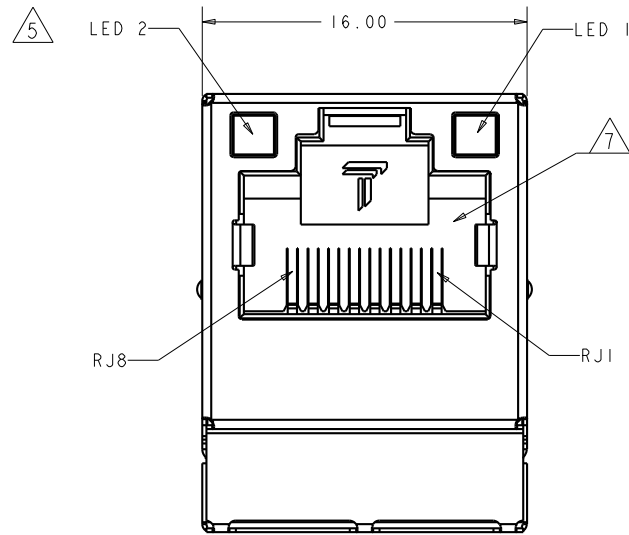
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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	APVD
F		EC-1411035, LOGO CHANGE	19JAN2015	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.
 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



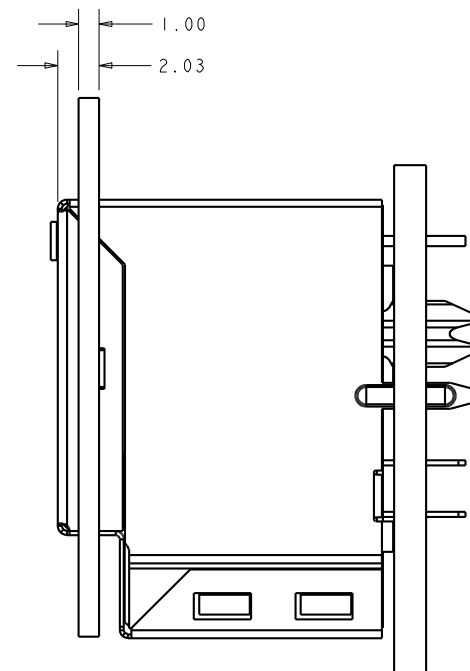
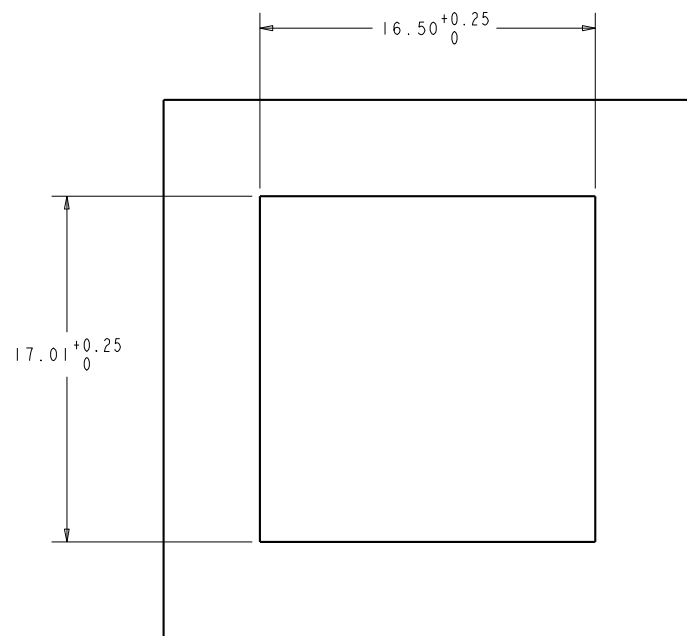
2. MAGNETICS
 -APPLICATION: 10/100 BASE-T, EXTENDED TEMPERATURE
 -IMPEDANCE: 100 OHMS
 -TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1
 -OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO +85°C, TX AND RX
 -PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz 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: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC

3. THE MAGNETIC ARE SYMMETRICAL AND SUPPORT AUTO-MDIX OPERATION.
 4. OPERATING TEMPERATURE: FROM -40°C TO +85°C
 5. LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20 mA
 LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP @ IF=20 mA
 FORWARD VOLTAGE (VF): GREEN 2.2V TYP @ IF=20 mA
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP @ IF=20 mA
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP @ IF=20 mA

6. ALL DIMENSIONS TO BE NOMINAL UNLESS OTHERWISE NOTED
 7. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUB-PART F.

8. TRADEMARK, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOW. DATE CODE: YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK, WITH SUNDAY=1

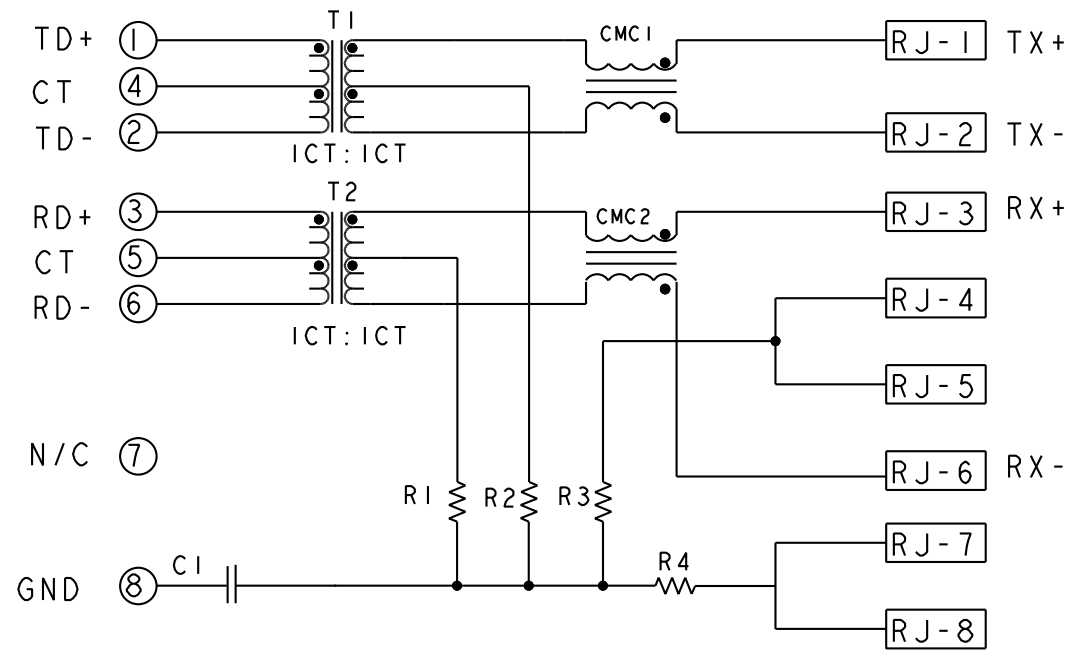
9. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK SOLDERING TEMPERATURE IS 260 °C MAX, 10 SECONDS MAX



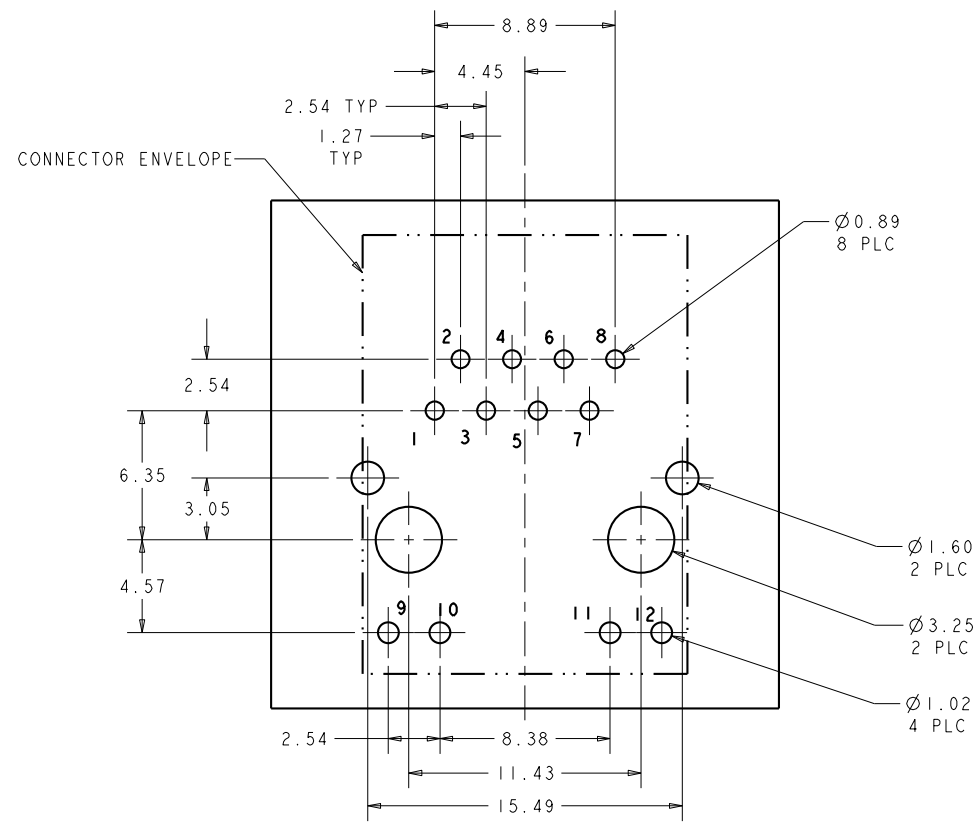
YES	YELLOW	GREEN	1-1840498-3
NO	GREEN/YELLOW	GREEN/YELLOW	1840498-6
NO	YELLOW	GREEN	1840498-1
CUT OUT	LED 1	LED 2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: 17AUG2010 SUNNY HAO/JOHNSON	trp CONNECTOR a bel group	DONGGUAN CHINA
DIMENSIONS: mm		CHK: TOWER YU 17AUG2010		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: KEITH ZHU 17AUG2010	DESC: IXI, MAGJACK, VERTICAL 426ETPI3, 10/100 GIGABIT CIRCUIT, W/ LEDS	
0 PLC ±0.25	1 PLC ±0.25	MODEL NAME: MAGJACK	SIZE: A2	CAGE CODE: C=1840498
2 PLC ±0.25	3 PLC ±0.25	PRODUCT SPEC: 108-2100	DRAWING NO: 1840498	
4 PLC ±	ANGLES ±	CUSTOMER DRAWING		
APPLICATION SPEC		SCALE: 3:1 SHEET 1 OF 2 REV F		

426ETPI3 10/100 BASE-T CIRCUIT

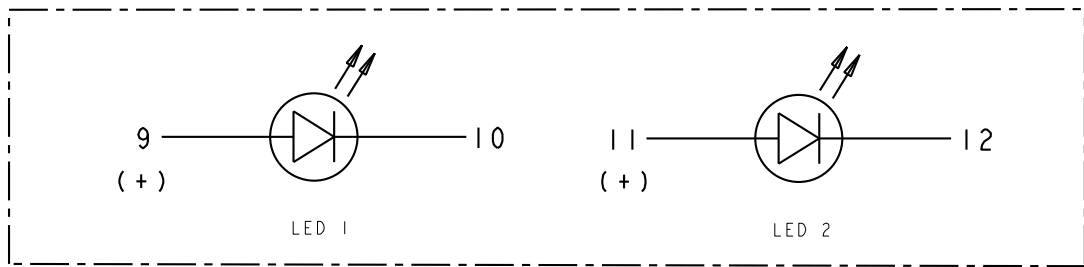


C1 = 1000pF, 2KV, CAPACITOR
R1 - R4 = 75 ohms, RESISTOR

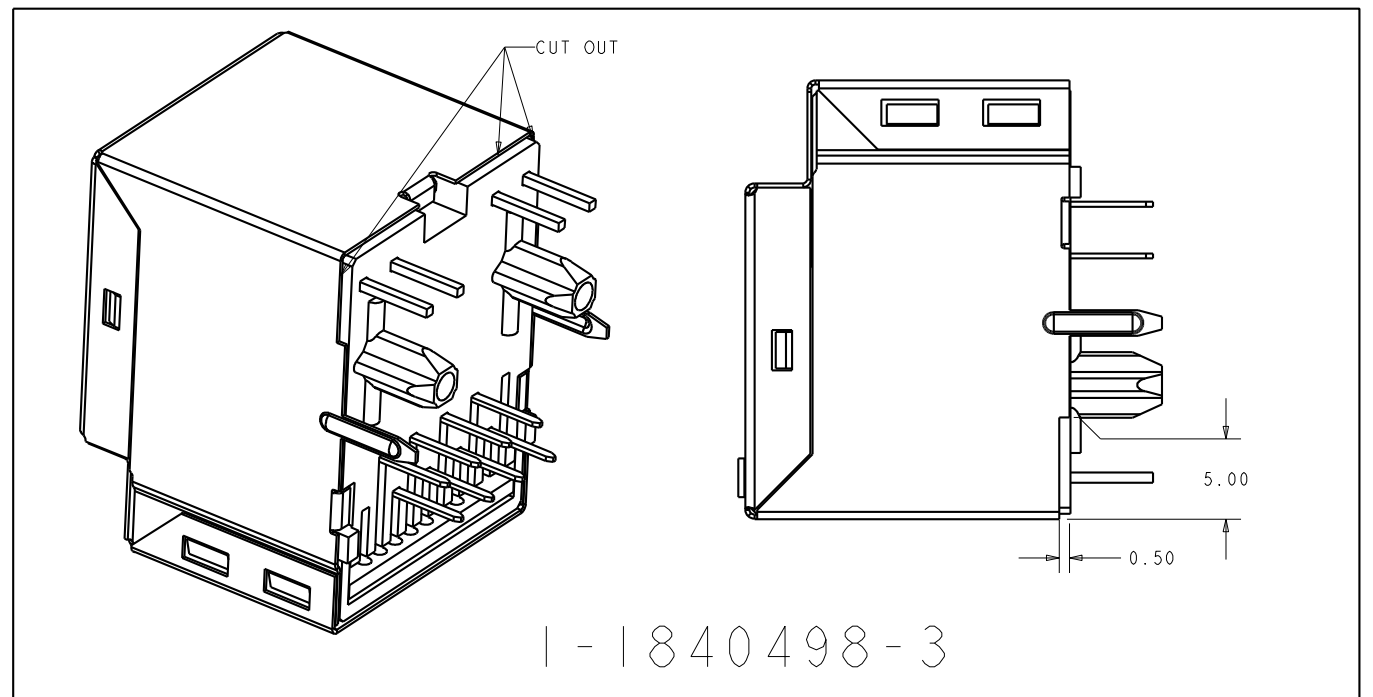
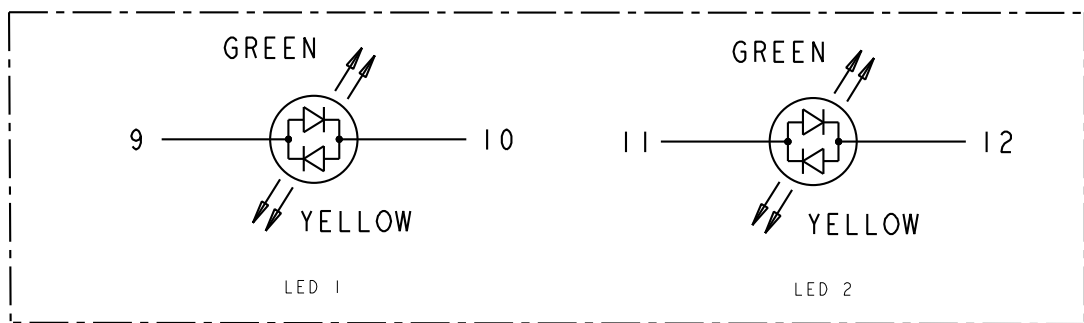



SUGGESTED PCB LAYOUT (TOL: ±0.05)
(COMPONENT SIDE VIEW)

SINGLE COLOR LED



BI-COLOR LED



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: 17AUG2010 SUNNY HAO/JOHNSON	 trp CONNECTOR a bel group	DONGGUAN CHINA
DIMENSIONS: mm		CHK: 17AUG2010 TOWER YU		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: 17AUG2010 KEITH ZHU	DESC: IX1, MAGJACK, VERTICAL 426ETPI3, 10/100 GIGABIT CIRCUIT, W/ LEDS	
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± APPLICATION SPEC -		MODEL NAME: MAGJACK SINGLE NON-POE	SIZE: A2	CAGE CODE: C-1840498
PRODUCT SPEC: 108-2100		DRAWING NO: 1840498		RESTRICTED TO: -
CUSTOMER DRAWING			SCALE: 3:1	SHEET 2 OF 2 REV F