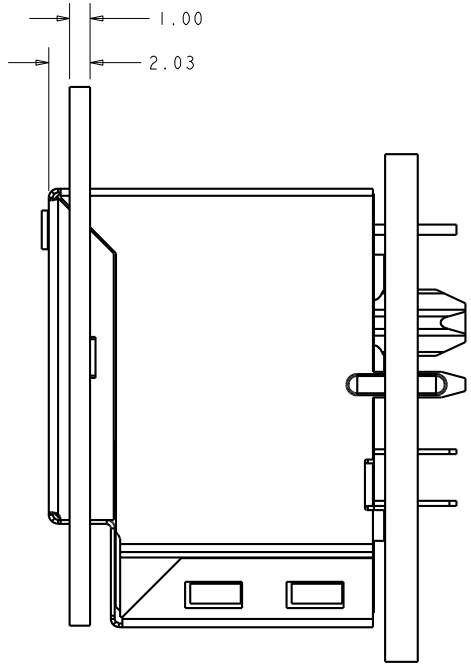
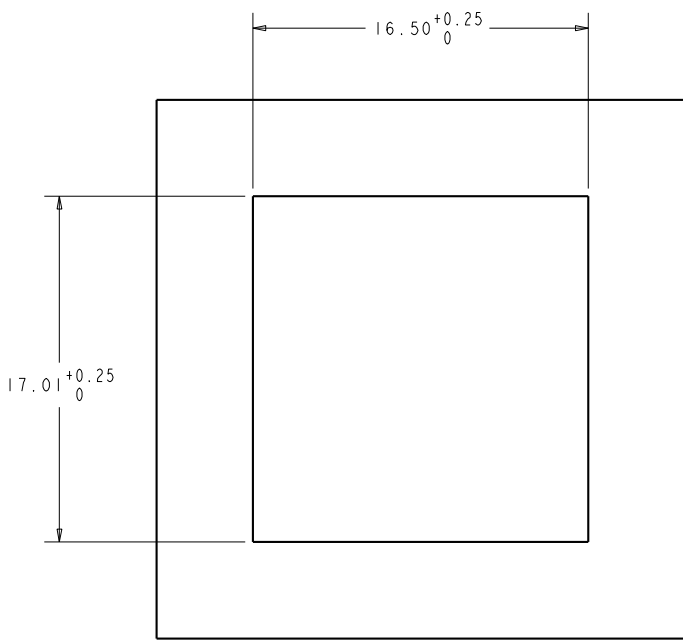
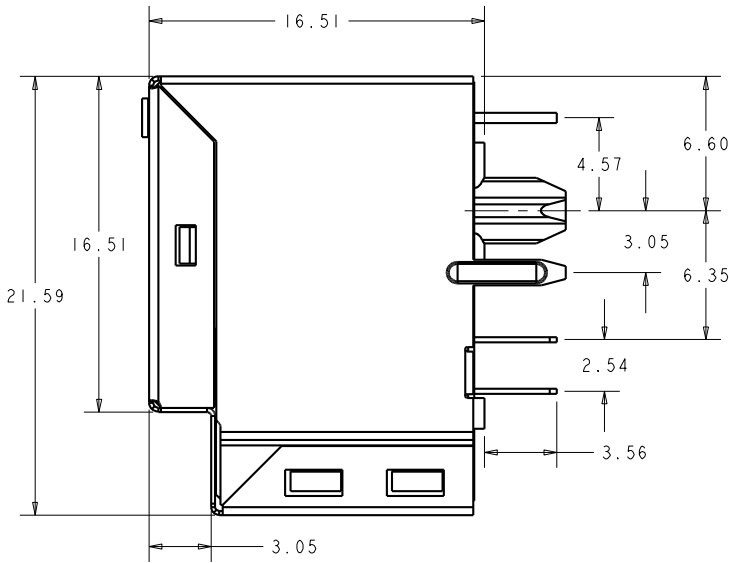
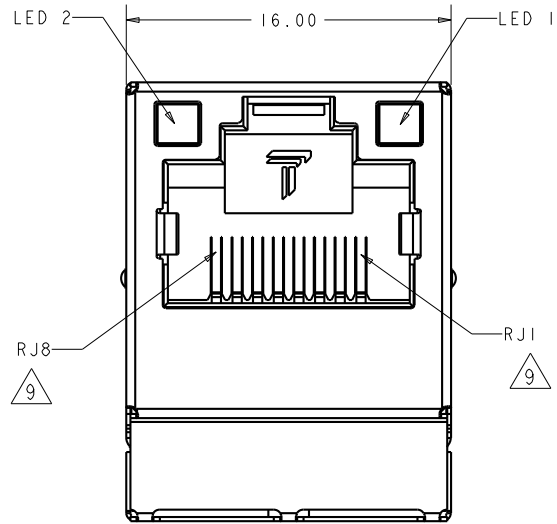
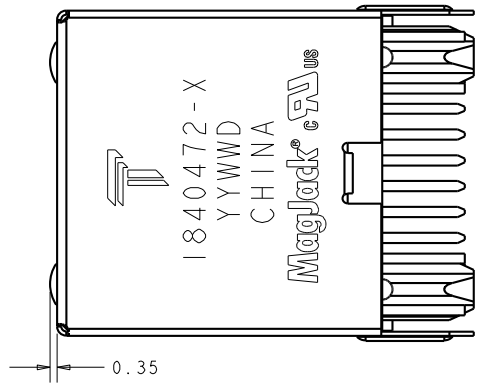
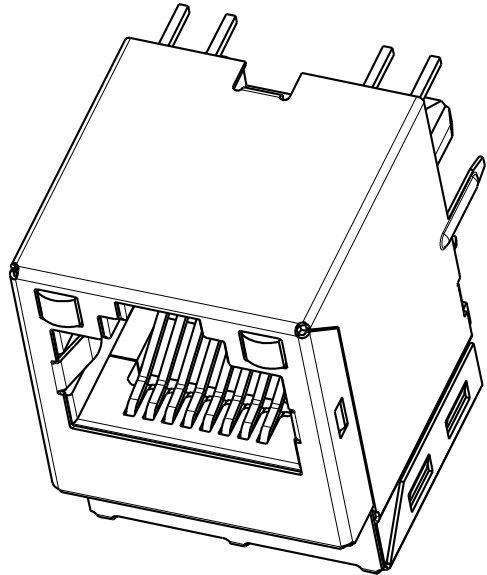


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PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

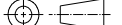
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	G	EC-1411035, LOGO CHANGE	19JAN2015	JC	TY

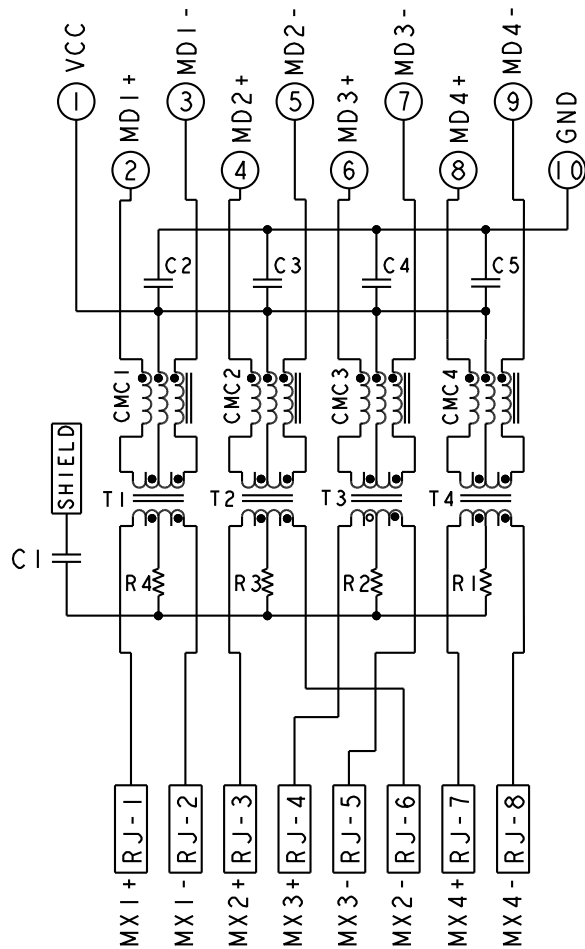


1. MATERIALS
HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATED UL 94V-0
SHIELD: BRASS, 0.20mm THICK,
PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL
POST DIPPED WITH 2.54um MIN SAC SOLDER AT GROUND PINS.
CONTACT: PHOSPHOR BRONZE,
WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
SELECTIVE 1.27um MIN GOLD PLATING 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: 10/100/1000 BASE-T, EXTENDED TEMPERATURE
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
-OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
8mADC BIAS FROM -40°C TO +85°C, ALL FOUR PAIRS
-ALL FOUR PAIRS BI-DIRECTIONAL
-PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
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 FOR 60 SECONDS DURATION.
3. THE MAGNETIC ARE SYMMETRICAL AND SUPPORT AUTO-MDIX OPERATION.
4. OPERATING TEMPERATURE: -40°C TO +85°C
5. LED IS DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA.
DOMINANT WAVELENGTH(λD)
GREEN 568nm TYP.at IF=20mA
YELLOW 588nm TYP.at IF=20mA
FORWARD VOLTAGE(VF):
GREEN 2.2V TYP.at IF=20mA
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.
8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.
9. CONTACT LUBRICANT IN MATING AREA FOR 1-1840472-4 ONLY.

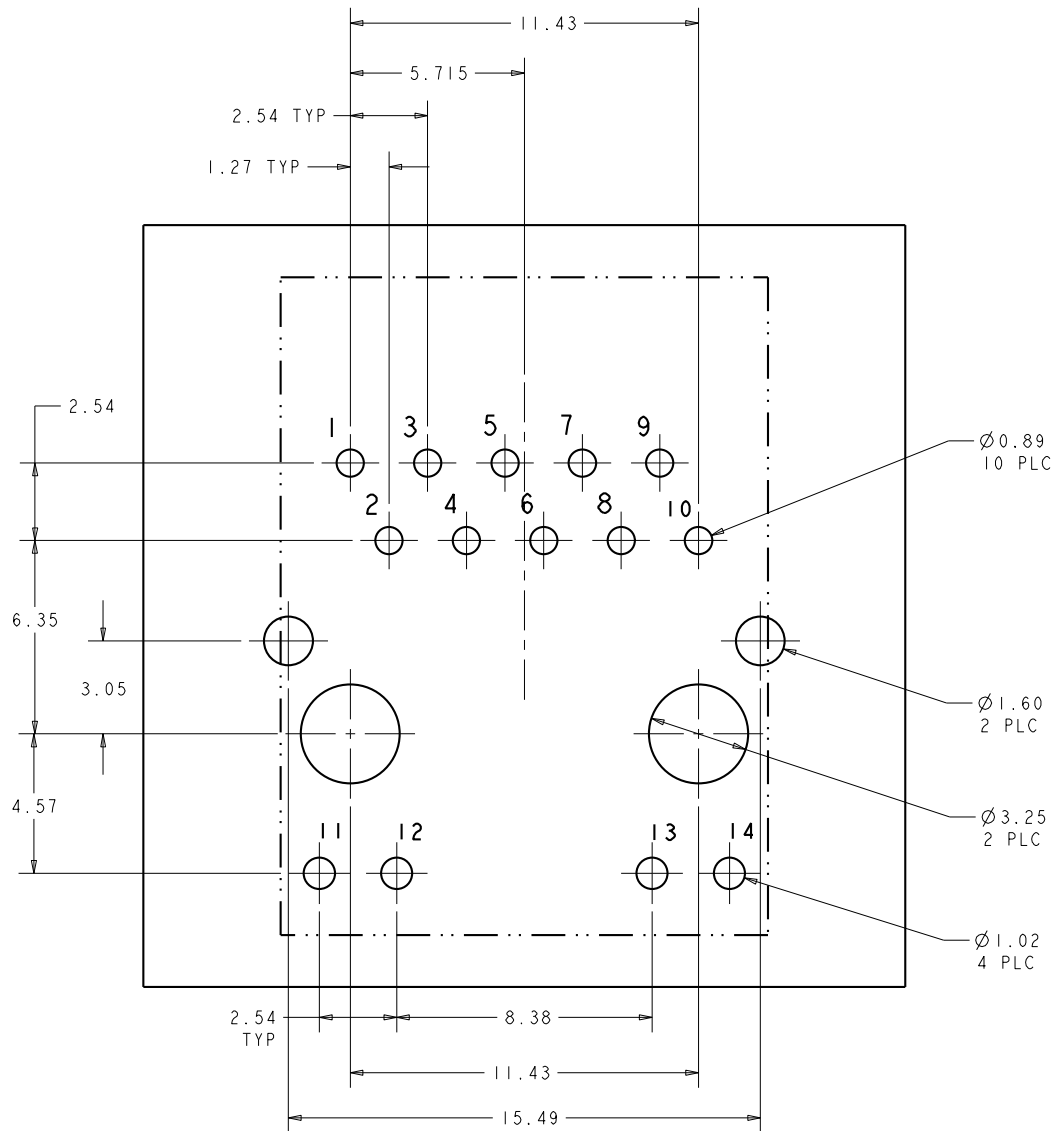
YES	GREEN/YELLOW	GREEN/YELLOW	1-1840472-4
NO	GREEN	GREEN/YELLOW	1840472-5
NO	YELLOW	GREEN	1840472-8
NO	GREEN	GREEN	1840472-1
9 LUBE	LED 1	LED 2	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN VKIN LEE 09JAN2009	 trp CONNECTOR a bel group		DONGGUAN CHINA		
DIMENSIONS: mm		CHK QUENTIN LIU 09JAN2009					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD LIJUN RAO 09JAN2009					
		MODEL NAME MAGJACK SINGLE NON-POE	DESC 1X1, MAGJACK, VERTICAL 4G46ETPI, GIGABIT CIRCUIT, W/ LEDS				
PRODUCT SPEC 108-2100		ANGLES ±°		SIZE A2	CAGE CODE C-1840472	RESTRICTED TO -	
APPLICATION SPEC -		CUSTOMER DRAWING			SCALE 4:1	SHEET 1 OF 2	REV G

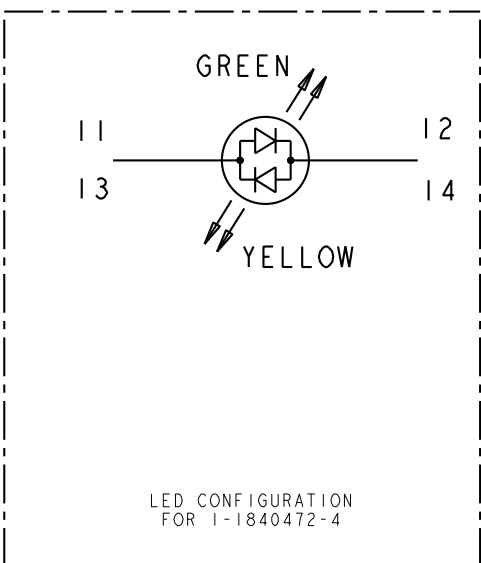
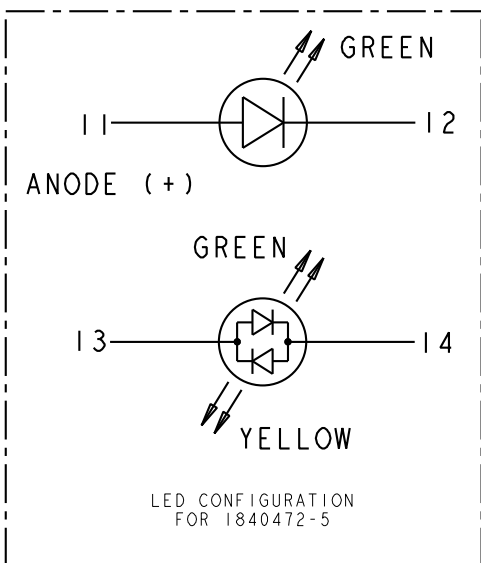
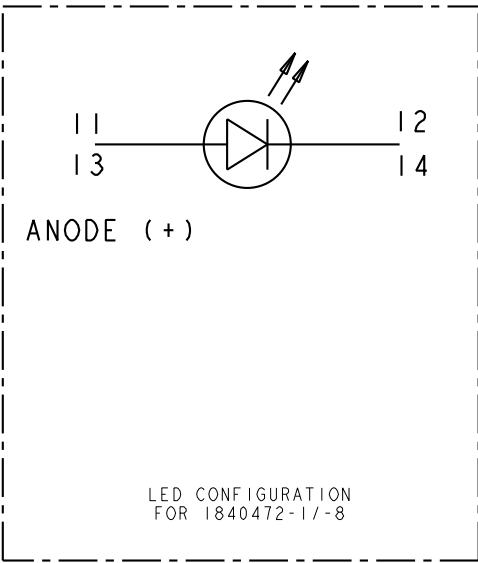
4G46ETPI GIGABIT CIRCUIT

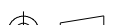


C2 - C5 = 0.1uF, 50V, CAPACITOR
C1 = 1000pF, 2kV, CAPACITOR
R1 - R4 = 75 Ohms, RESISTOR



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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN YKIN LEE 09JAN2009	 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		CHK QUENTIN LIU 09JAN2009				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD LIJUN RAO 09JAN2009	DESC IXI, MAGJACK, VERTICAL 4G46ETPI, GIGABIT CIRCUIT, W/ LEDS		RESTRICTED TO -	
		MODEL NAME MAGJACK SINGLE NON-POE				
PRODUCT SPEC 108-2100		APPLICATION SPEC -		SIZE A2	CAGE CODE C=1840472	REV G
CUSTOMER DRAWING				SCALE 4:1	SHEET 2 OF 2	REV G