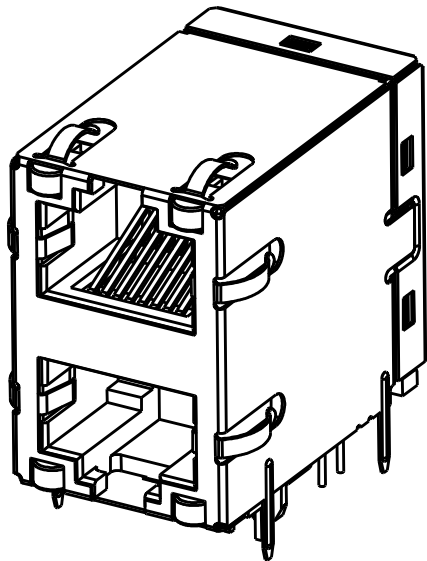
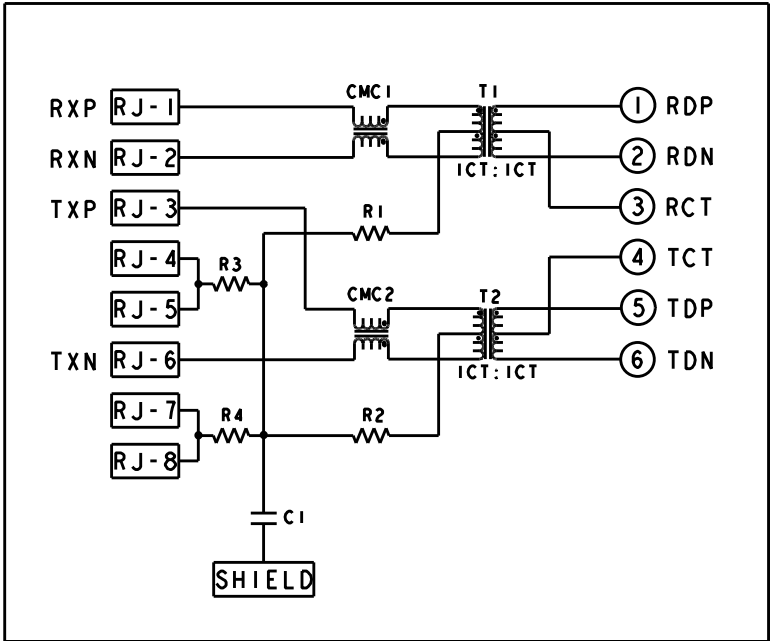




S866P9 10/100 BASE-T CIRCUIT△△
TOP AND BOTTOM PORTS

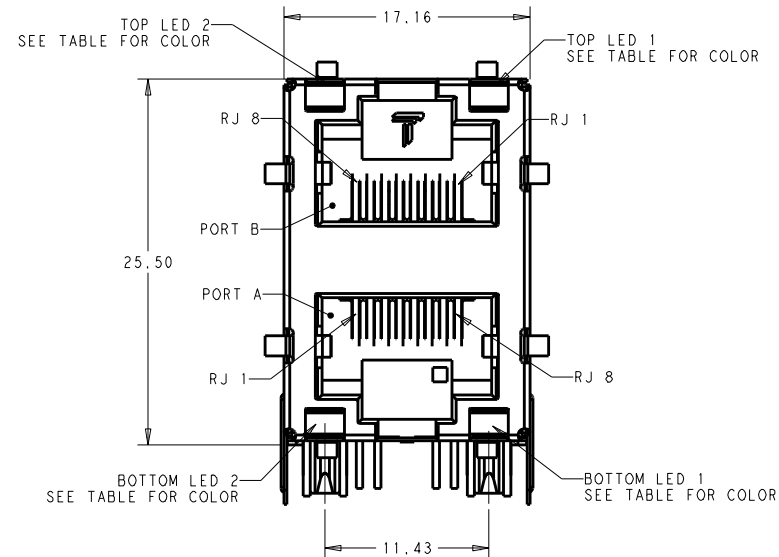
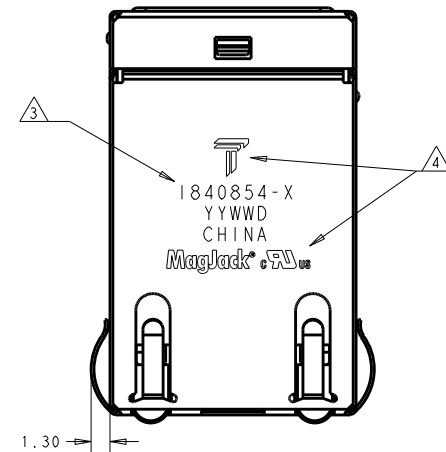
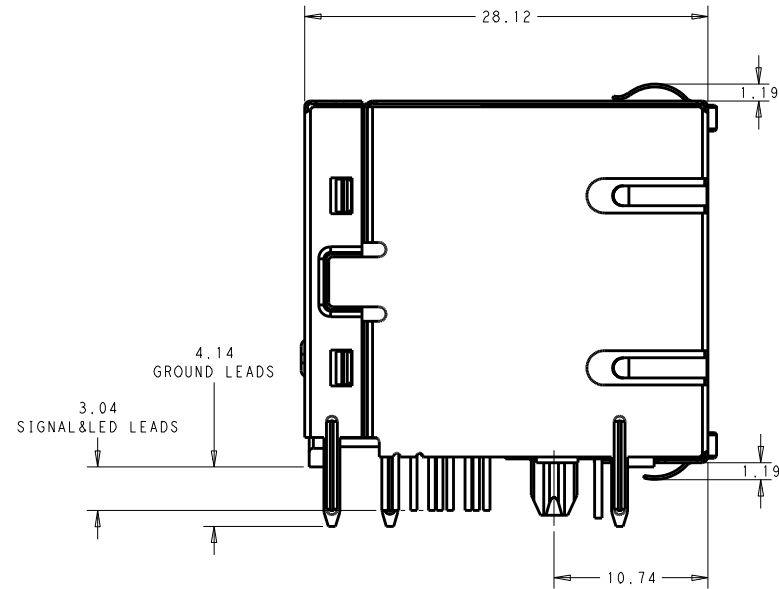


C1 = 1000pF, 2kV,X7R DECOUPLING CAPACITOR
R1-R4 = 75 Ohms, 1/16 W, RESISTORS

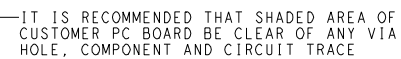
1. MATERIALS:
PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,
POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
UNDERPLATE WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE
AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
ALL PC BOARDS: HIGH TEMPERATURE PCB,TG>170°C
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: 2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME
OF 500V/SEC AND WITH ALL PORTS CONNECTED.
3. PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED
IN APPROXIMATE AREA SHOWN.DATE CODE: "YY" IS YEAR, "WW" IS
WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1
4. TRP CONNECTOR LOGO AND AGENCY APPROVAL LOGO ARE
LOCATED IN APPROXIMATE AREA SHOWN.
5. OPERATING TEMP: FROM 0°C TO +70°C.
6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
7. INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND
SUPPORT AUTO-MDI/MDIX.
8. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
9. BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE
GREATER THAN 5.08mm.
10. LEDs ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
LED COLOR: DOMINANT WAVELENGTH (ID): GREEN 568 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (ID): YELLOW 588 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA
11. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1840854-4
GREEN	YELLOW	GREEN	YELLOW	1840854-3
GREEN	GREEN	GREEN	GREEN	1840854-1
BOTTOM LED 2				PART NUMBER
TOP LED 2				

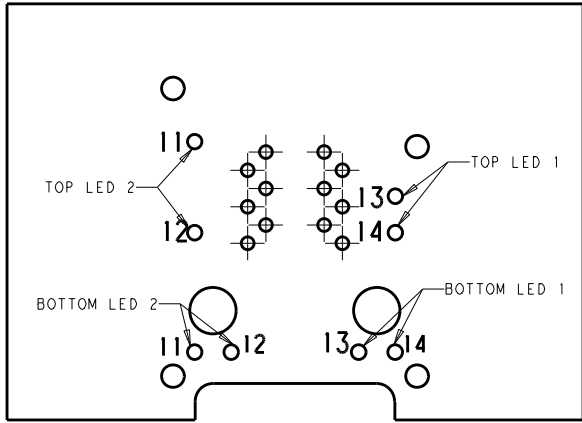
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN JAMISON CHEN/KO L L 15NOV2010		 trp CONNECTOR a bel group	DONGGUAN CHINA	
DIMENSIONS: mm		CHK TONY YUAN 15NOV2010				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 15NOV2010				
0 PLC ±° 1 PLC ±° 2 PLC ±0.25 3 PLC ±° 4 PLC ±°		MODEL NAME			DESC	
		MAGJACK		2X1 10/100 S866P9 WITH LED		
PRODUCT SPEC		STACK NON-POE		SIZE	CAGE CODE	DRAWING NO
108-104004				A1		C=1840854
APPLICATION SPEC		CUSTOMER DRAWING		SCALE		RESTRICTED TO
				NTS		-
				SHEET 1 OF 4		REV E



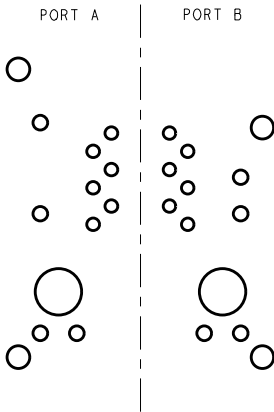
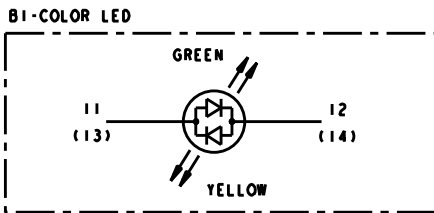
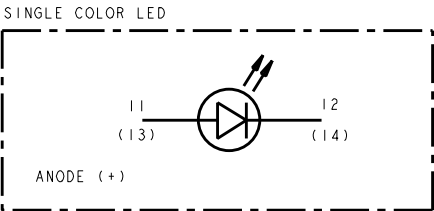
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN 15NOV2010 JAMISON CHEN/XO L1 15NOV2010 TONY YUAN APVD KEITH ZHU 15NOV2010		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME		DESC		SIZE	
		0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ±		MAGJACK STACK NON-POE		2XI 10/100 S866P9 WITH LED		DRAWING NO	
PRODUCT SPEC 108-104004		APPLICATION SPEC -		CUSTOMER DRAWING		A1 C=1840854		RESTRICTED TO	
						SCALE		SHEET 2 OF 4 REV E	



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN JAMISON CHEN/EO 1.1 CHK TONY YUAN APVD KEITH ZHUI		 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.05 2 PLC ±. 3 PLC ±. 4 PLCS ±. ANGLES °		MODEL NAME MAGJACK STACK NON-POE		DESC 2X1 10/100 S86P9 WITH LED	
		APPLICATION SPEC		SIZE A1		CASE CODE C=1840854	
PRODUCT SPEC 108-104004		APPLICATION SPEC -		DRAWING NO -		RESTRICTED TO -	
CUSTOMER DRAWING				SCALE NTS SHEET 3 OF 4 REV F			



LED HOLE DESIGNATIONS
VIEWED FROM COMPONENT SIDE



THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN 15NOV2010 JAMISON CHEN/XO L1		 trp CONNECTOR a bel group		DONGGUAN CHINA		
			CHK 15NOV2010 TONY YUAN						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 15NOV2010 KEITH ZHU		DESC			
		0 PLC ±:		MODEL NAME		2X1 10/100 S866P9 WITH LED			
		1 PLC ±:		MAGJACK		SIZE		CAGE CODE	
PRODUCT SPEC 108-104004		2 PLC ±0.25		STACK NON-POE		DRAWING NO		RESTRICTED TO	
		3 PLC ±:				A1		C=1840854	
APPLICATION SPEC		4 PLC ±:		CUSTOMER DRAWING		SCALE		SHEET 4 of 4	
		ANGLES				NTS		REV E	