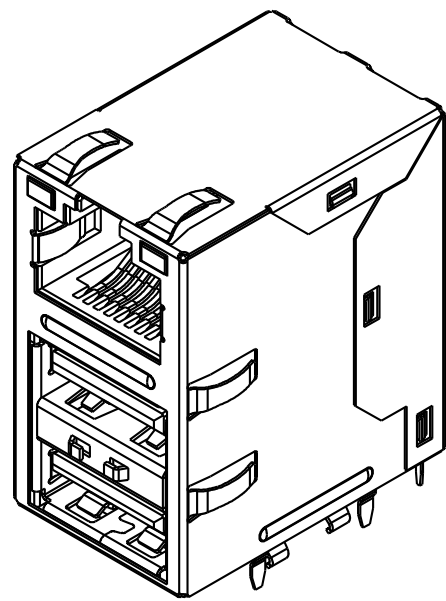
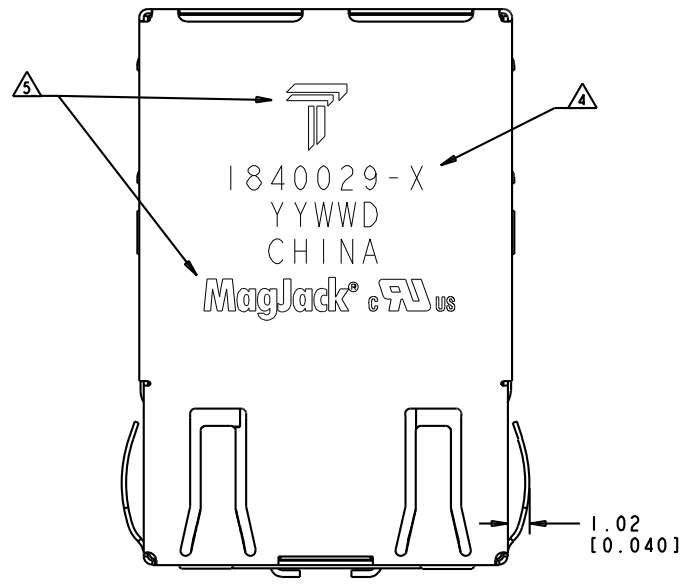




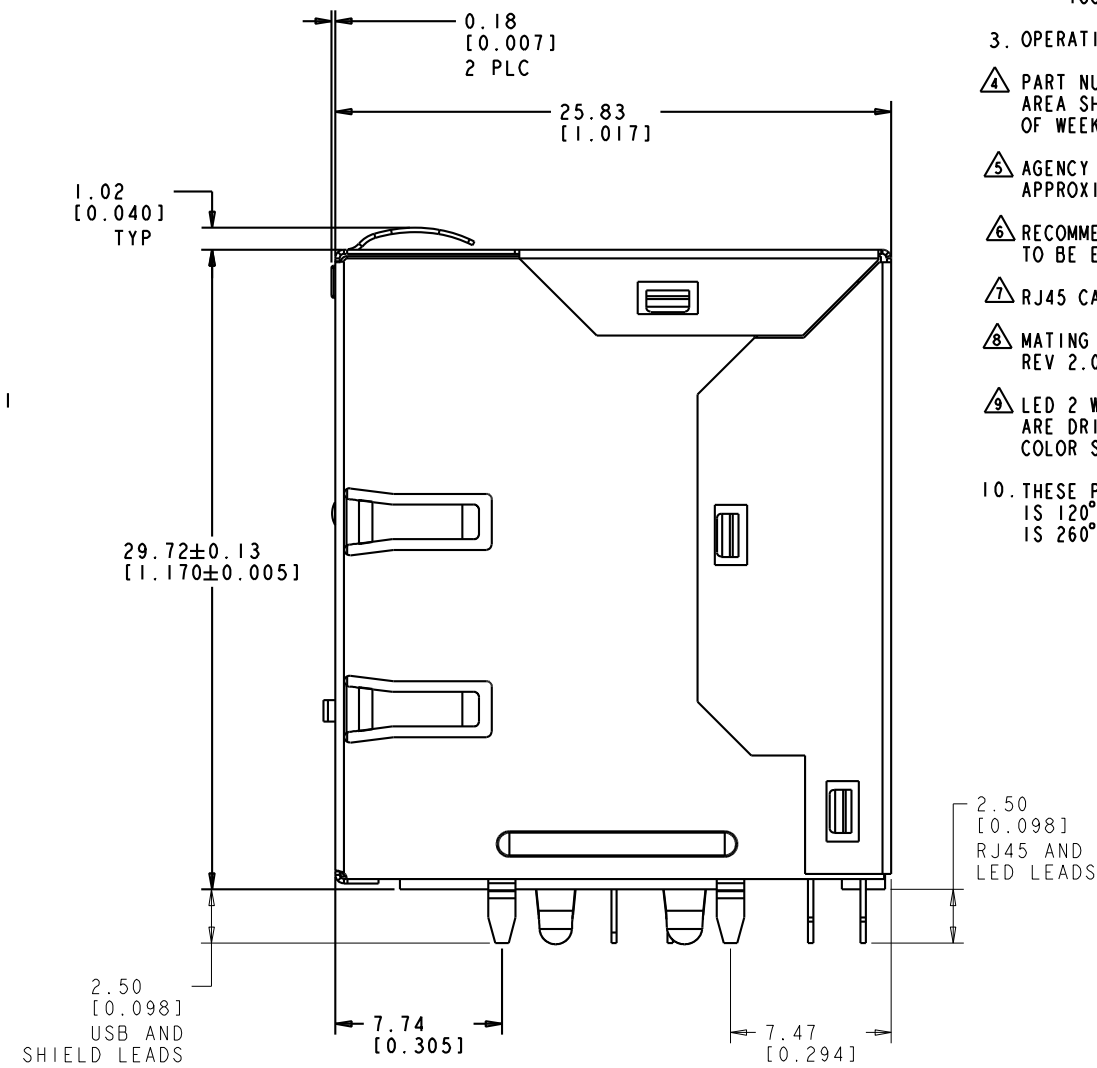
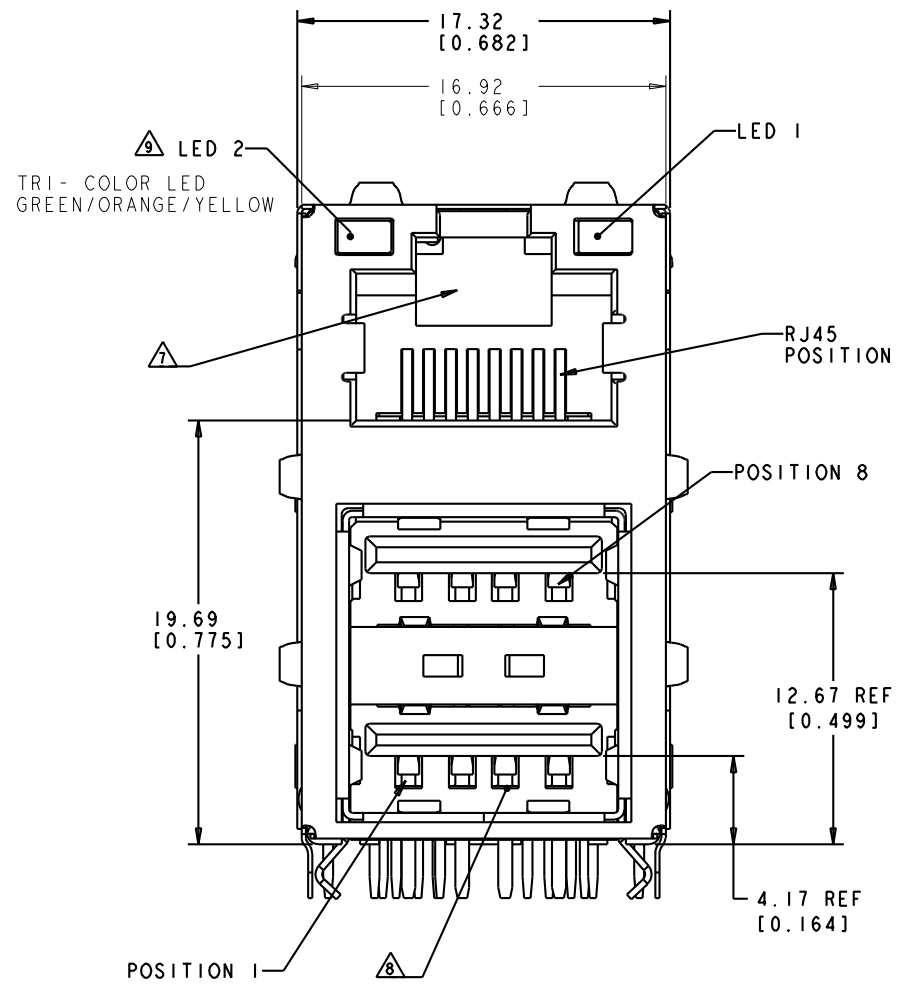
SCALE 4:1

1. USB MATERIALS:
SHELL: PHOSPHOR BRONZE
HOUSING: BLACK, THERMOPLASTIC, GLASS FILLED, UL 94V-0 RATED
CONTACT: PHOSPHOR BRONZE WITH SELECTIVE 0.76um MIN GOLD PLATING
SPRING CLIP: PHOSPHOR BRONZE
- RJ45 MATERIALS:
HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76um SEMI-BRIGHT NICKEL, POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS.
CONTACTS: PHOSPHOR BRONZE, 0.30mm THK, 1.27um MIN OVERALL NICKEL UNDERPLATE WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE AND 2.54um MIN MATTE TIN AND/OR SAC SOLDER ON SOLDER TAILS.
- LED: DIFFUSED EPOXY LENS, 0.5 X 0.5 CARBON STEEL WIREFRAME
LEADS PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL UNDERPLATE OVER 1.02um COPPER UNDERPLATE. POST-PLATED WITH 2.54um MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP.

2. MAGNETICS
-APPLICATION : 10/100/1000 BASE-T
-IMPEDANCE: 100 OHMS
-TURNS RATIO(CHIP:CABLE): 1:1 ALL FOUR PAIRS
-OPEN CIRCUIT INDUCTANCE(OCL): 350uH MIN @100kHz, 0.1 VRMS, 8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
-RISE TIME (10%-90%): 2.5ns TYPICAL;
-ALL FOUR PAIRS BI-DIRECTIONAL
-PERFORMANCE @ 25°C:
 INSERTION LOSS (IL): 1.1 dB MAX FROM 0.5MHz TO 100MHz
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
 12-20LOG(f/80)dB MIN FROM 40.1 MHz TO 100MHz
 CROSSTALK ATTENUATION: 35 dB MIN FROM 0.5 MHz TO 40 MHz
 33-20LOG(f/50) dB MIN FROM 40.1 MHz TO 100 MHz
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE: COMPLIES WITH IEEE802.3 2002, PARA 40.6.1.1, ITEM b.

3. OPERATING TEMPERATURE: 0°C TO + 70°C.

4. PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN TO BE LOCATED IN APPROXIMATE AREA SHOWN. DATE CODE: YYWW "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1.
5. AGENCY APPROVAL LOGO, TRP CONNECTOR LOGO AND PRODUCT LOGO LOCATED IN APPROXIMATE AREA SHOWN.
6. RECOMMENDED PCB THICKNESS 1.5mm (.062") THICK. DATUM LOCATION AND DIMENSION TO BE ESTABLISHED BY CUSTOMER.
7. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
8. MATING INTERFACE COMPLIES WITH USB (UNIVERSAL SERIAL BUS) SPECIFICATION REV 2.0.
9. LED 2 WILL EMULATE "YELLOW" LIGHT WHEN USB BOTH GREEN AND ORANGE DIODES ARE DRIVEN AT CONSTANT CURRENT (20mA RECOMMENDED) TO INDICATE THE THIRD COLOR STATE.
10. 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.



GREEN	1840029-2
YELLOW	1840029-1
LED 1	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
0 PLC	±.25
1 PLC	±.25
2 PLC	±.25
3 PLC	±.25
4 PLC	±.25

PRODUCT SPEC	108-104005
APPLICATION SPEC	-

OWN	PETE LI	31JUL2008
CHK	KEITH ZHU	31JUL2008
APVD	TEDDY XIONG	31JUL2008
MODEL NAME	MAGJACK	
OVER USB NON-PoE	OVER USB NON-PoE	
CUSTOMER DRAWING	SCALE 3:1 SHEET 1 OF 2 REV D	

DESC	MAGJACK OVER DUAL USB UR2G14 GIGABIT CIRCUIT, W/ LEDS
SIZE	A1
CAGE CODE	C=1840029
DRAWING NO	
RESTRICTED TO	-

trp CONNECTOR	DONGGUAN CHINA
---------------	----------------

