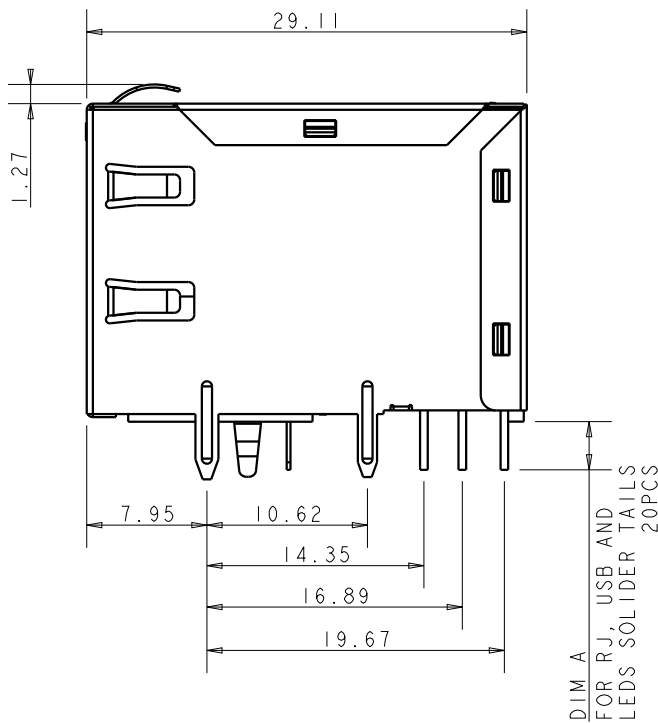
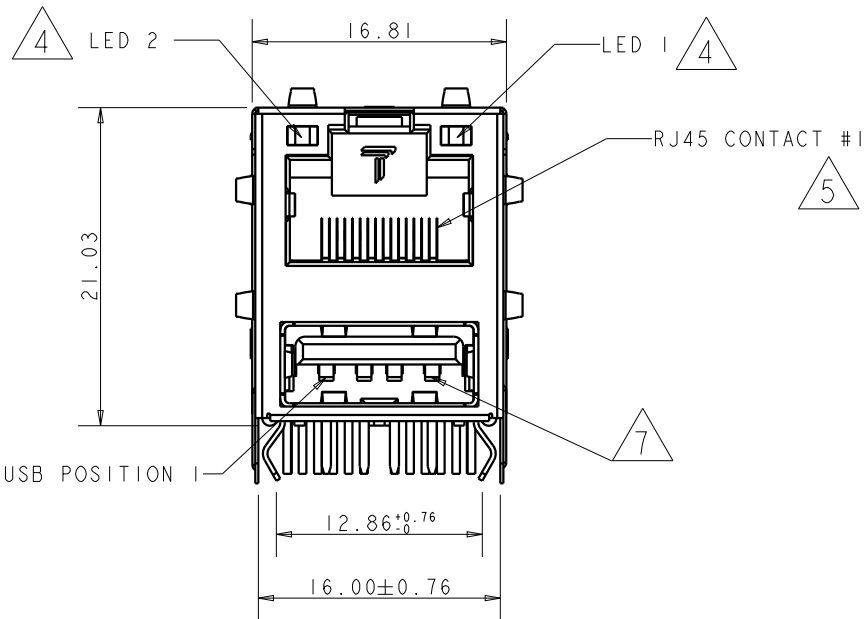
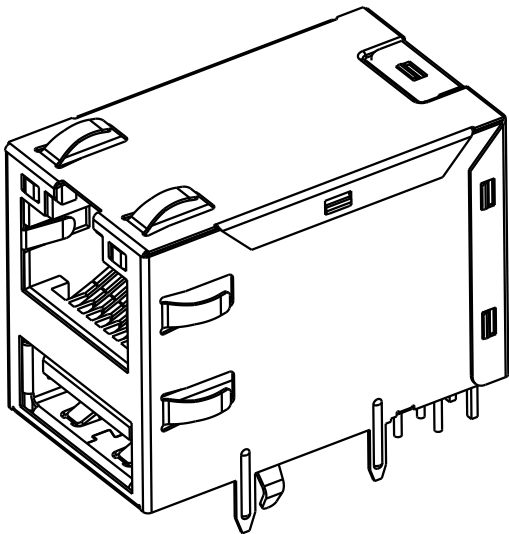
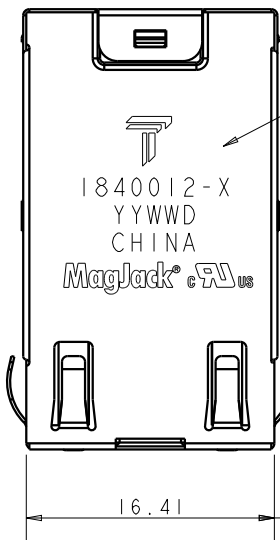


P	LTR	DESCRIPTION	DATE	DWN	APVD
	H	EC-1411035, LOGO CHANGE;ADD 1840012-3	18DEC2014	JC	TY



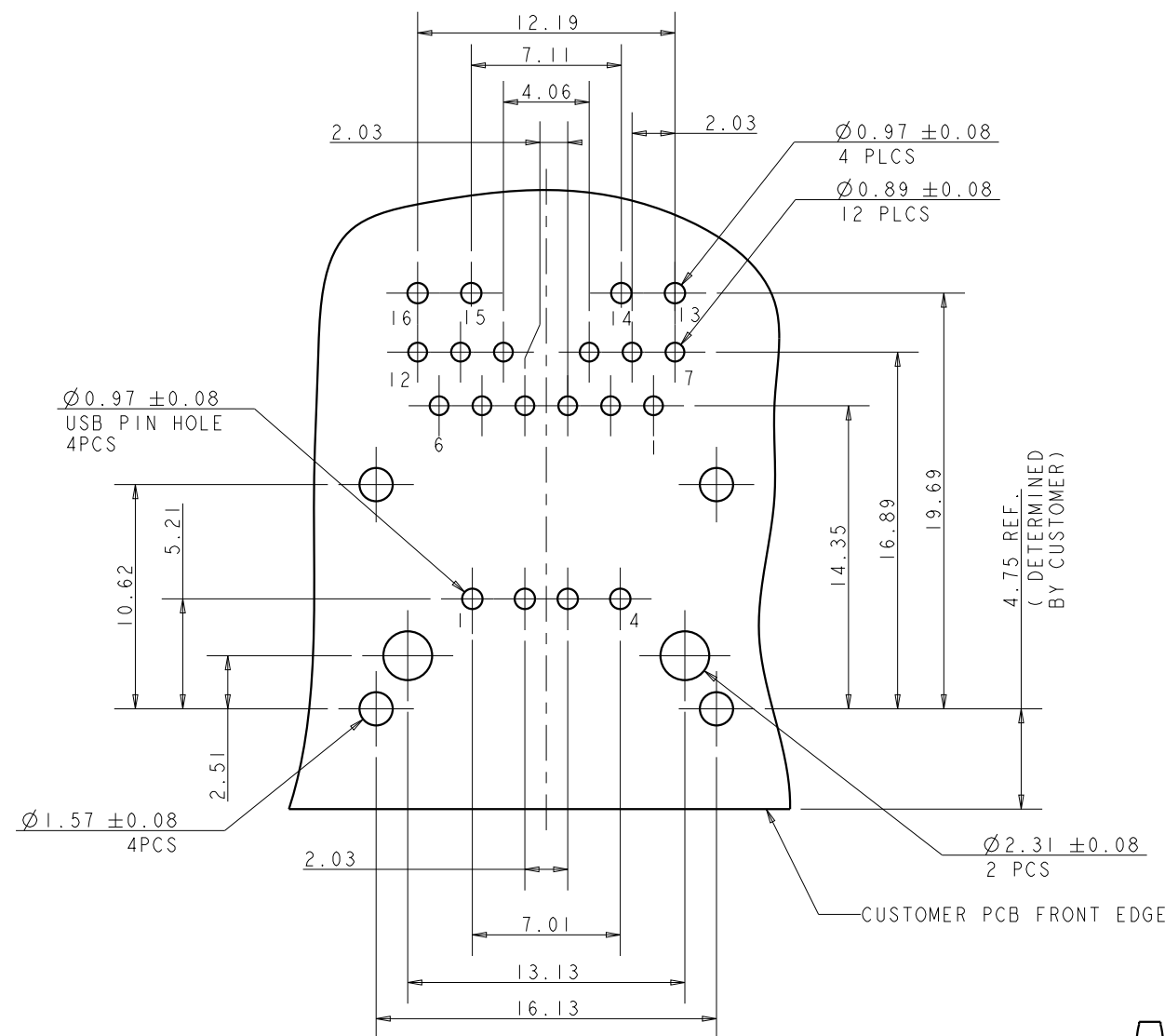
1. RJ45 MATERIALS
HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATED UL 94V-0
SHIELD: BRASS, 0.2 mm THICK
PREPLATED WITH MIN 0.76 μ m SEMI-BRIGHT NICKEL
POST DIPPED WITH 2.54 μ m MIN SAC SOLDER AT GROUND PINS.
CONTACT: PHOSPHOR BRONZE, WITH 1.27 μ m MIN OVERALL NICKEL UNDERPLATE
AND SELECTIVE 1.27 μ m MIN GOLD PLATING AT MATING INTERFACE
SOLDER TAIL: COPPER STEEL, PLATED WITH 2.54 μ m MIN MATTE TIN
LED: DIFFUSED EPOXY LENS, 0.5 mm SQUARE CARBON STEEL WIREFRAME
LEADS PREPLATED WITH 2.03 μ m MIN SILVER OVER 1.02 μ m MIN NICKEL OVER 1.02 μ m MIN COPPER UNDERPLATE
POST PLATED WITH 2.54 μ m MIN MATTE TIN OR SAC TIN SOLDER DIP
- USB MATERIALS:
HOUSING: THERMOPLASTIC, FLAMMABILITY RATED UL94V-0
CONTACT: COPPER ALLOY WITH 0.76 μ m MIN GOLD PLATING OVER 1.27 μ m MIN OVERALL NICKEL UNDERPLATE
SHELL: COPPER ALLOY, PREPLATED WITH MIN 0.76 μ m SEMI-BRIGHT NICKEL, 2.54 μ m TIN PLATED
2. 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
ALL FOUR PAIRS BJ-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. LED IS DRIVEN WITH CONSTANT CURRENT APPROX 20 mA
DOMINANT WAVE LENGTH(λ D): GREEN 568 nm TYP, AT IF=20mA
FORWARD VOLTAGE(VF): GREEN 2.2V AT IF=20mA
DOMINANT WAVE LENGTH(λ D): YELLOW 588 nm TYP, AT IF=20mA
FORWARD VOLTAGE(VF): YELLOW 2.1V AT IF=20mA
DOMINANT WAVE LENGTH(λ D): ORANGE 608 nm TYP, AT IF=20mA
FORWARD VOLTAGE(VF): ORANGE 2.1V AT IF=20mA
5. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
6. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY LOGO TO BE MARKED IN APPROXIMATE LOCATION SHOWN. DATE CODE: "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1
7. MATING INTERFACE COMPLIES WITH USB SPECIFICATION REV 2.0.
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.

NO	2PCS	3.18	YELLOW	GREEN	1840012-3
NO	4 PCS	3.81	GREEN/ORANGE	YELLOW	1-1840012-2
TID# 62001133	4 PCS	3.18	GREEN/ORANGE	YELLOW	1840012-2
NO	4 PCS	3.18	GREEN	GREEN	1840012-1
TID NO.	SIDE FINGERS	DIM A	LED 2	LED 1	PART NUMBER

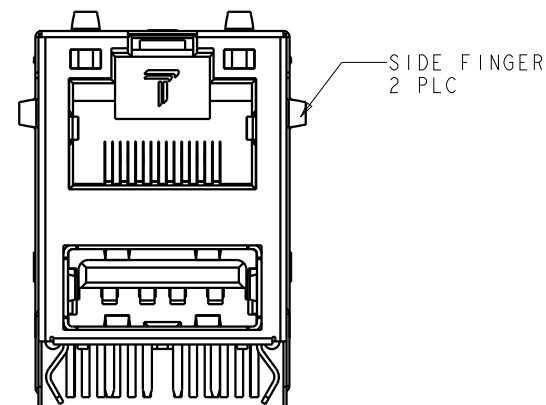
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
	0 PLC $\pm$ 1 PLC $\pm$ 2 PLC ± 0.25 3 PLC ± 0.25 4 PLC $\pm$ ANGLES $\pm$
PRODUCT SPEC	APPLICATION SPEC
108-104005	-

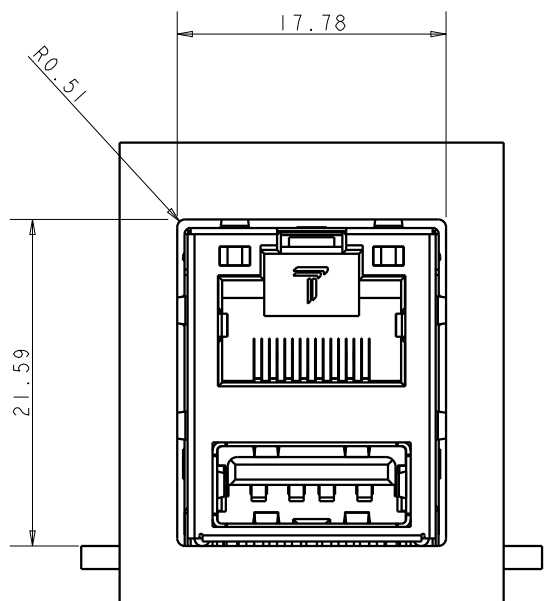
DWN SKY ZHAO 23JAN2008	 trp CONNECTOR a bel group DONGGUAN CHINA				
CHK KEITH ZHU 23JAN2008					
APVD TEDDY XIONG 23JAN2008					
PRODUCT SPEC					
MAGJACK OVER USB NON-POE		NAME RJ45 OVER SINGLE USB URG41 GIGABIT CIRCUIT, W/LEDS			
		SIZE A3	CAGE CODE	DRAWING NO C-1840012	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 2:1	SHEET 1 OF 2	REV H



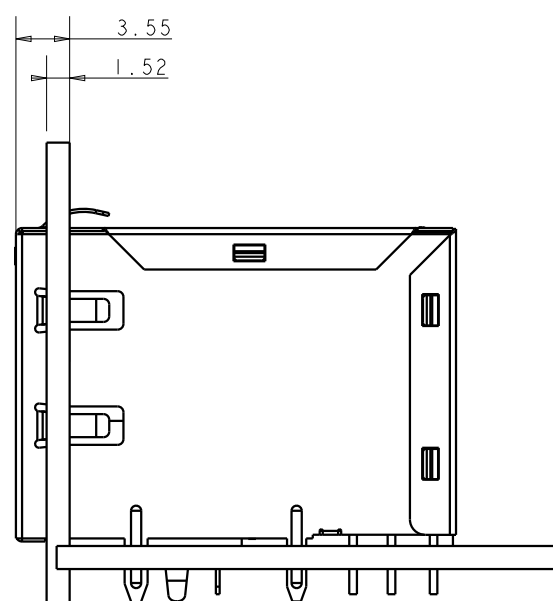
SUGGESTED PCB FOOTPRINT
COMPONENT SIDE SHOWN



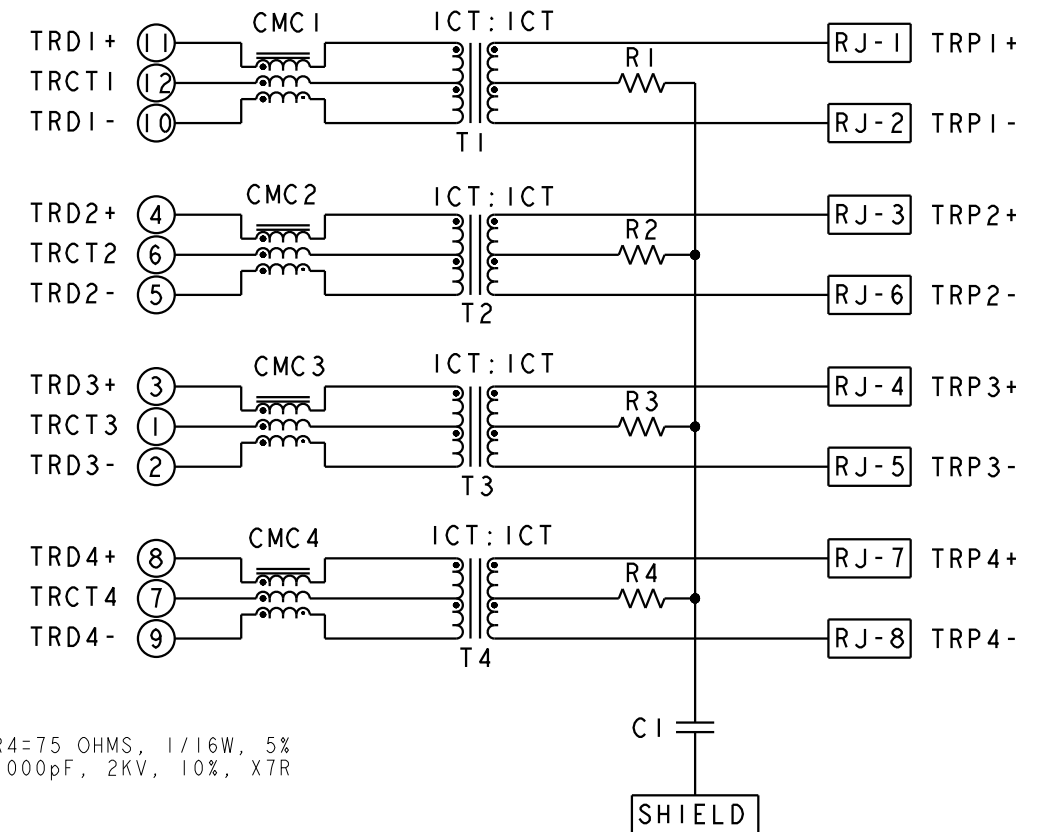
1840012-3



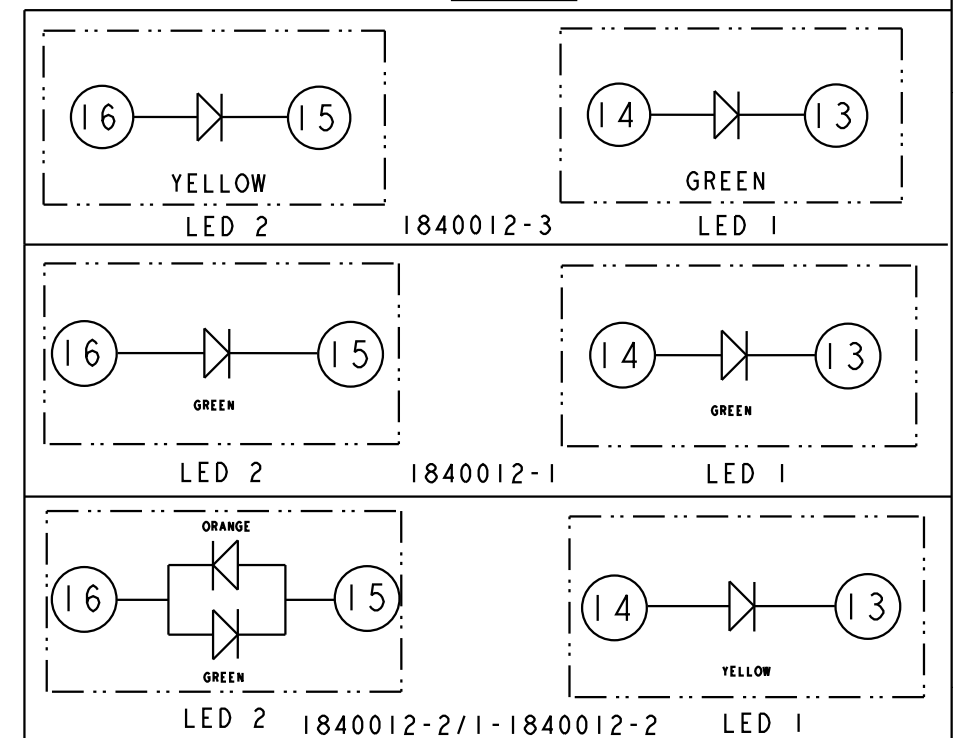
SUGGESTED PANEL
CUT-OUT DIMENSION



URG41 GIGABIT CIRCUIT



R1-R4=75 OHMS, 1/16W, 5%
C1=1000pF, 2KV, 10%, X7R



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
mm	
	0 PLC ±
	1 PLC ±
	2 PLC ±0.25
	3 PLC ±0.25
	4 PLC ±
	ANGLES ±
PRODUCT SPEC	APPLICATION SPEC
108-104005	-

DWN	SKY ZHAO	23JAN2008
CHK	KEITH ZHU	23JAN2008
APVD	TEDDY XIONG	23JAN2008
PRODUCT SPEC	MAGJACK OVER USB NON-POE	
CUSTOMER DRAWING		

		DONGGUAN CHINA	
NAME RJ45 OVER SINGLE USB URG41 GIGABIT CIRCUIT, W/LEDS			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3		C=1840012	-
SCALE 1:1		SHEET 2 OF 2	REV H