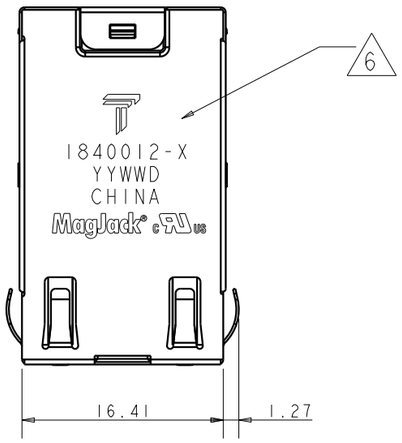
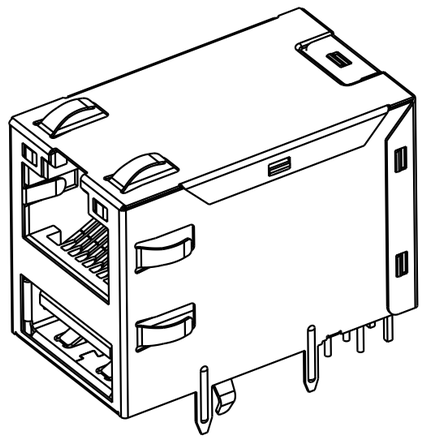
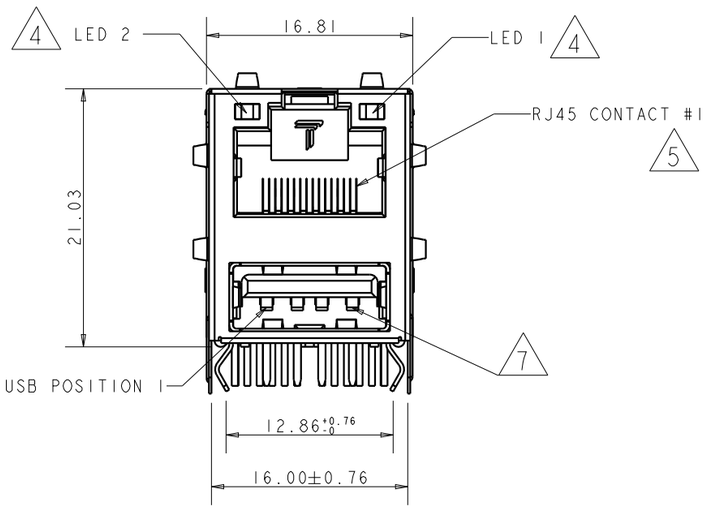
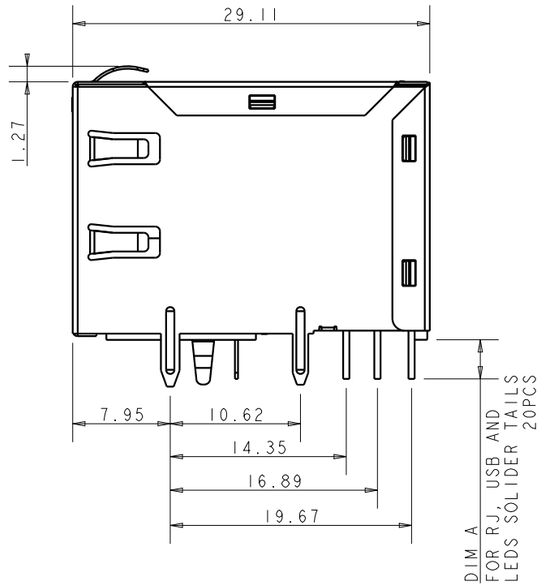
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	H	EC-1411035, LOGO CHANGE;ADD 1840012-3	18DEC2014	JC	TY









1. RJ45 MATERIALS
   HOUSING: THERMOPLASTIC, BLACK,FLAMMABILITY RATED UL 94V-0
   SHIELD: BRASS, 0.2 mm THICK
   PREPLATED WITH MIN 0.76 um SEMI-BRIGHT NICKEL
   POST DIPPED WITH 2.54 um MIN SAC SOLDER AT GROUND PINS.
   CONTACT: PHOSPHER BRONZE, WITH 1.27 um MIN OVERALL NICKEL UNDERPLATE
   AND SELECTIVE 1.27 um MIN GOLD PLATING AT MATING INTERFACE
   SOLDER TAIL: COPPER STEEL, PLATED WITH 2.54 um MIN MATTE TIN
   LED: DIFFUSED EPOXY LENS, 0.5 mm SQUARE CARBON STEEL WIREFRAME
   LEADS PREPLATED WITH 2.03 um MIN SILVER OVER 1.02 um MIN
   NICKEL OVER 1.02 um MIN COPPER UNDERPLATE
   POST PLATED WITH 2.54 um MIN MATTE TIN OR SAC TIN SOLDER DIP
   USB MATERIALS:
   HOUSING:THERMOPLASTIC,FLAMMABILITY RATED UL94V-0
   CONTACT:COPPER ALLOY WITH 0.76 MIN GOLD PLATING OVER 1.27 um MIN
   OVERALL NICKEL UNDERPLATE
   SHELL:COPPER ALLOY,PREPLATED WITH MIN 0.76 um SEMI-BRIGHT NICKEL,
   2.54 um TIN PLATED

2. APPLICATION: 10/100/1000 BASE-T
   IMPEDANCE: 100 OHMS
   TURNS RATIO(CHIP:CABLE): 1:1 ALL FOUR PAIRS
   OPEN CIRCUITINDUCTANCE(OCL):350uH MIN @100kHz, 0.1 VRMS,
   8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
   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
   COMMOM MODE REJECTION RATIO (CMRR): 30dBMIN 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(λD):GREEN 568 nm TYP, AT IF=20mA
   FORWARD VOLTAGE(VF):GREEN 2.2V AT IF=20mA
   DOMINANT WAVE LENGTH(λD):YELLOW 588 nm TYP, AT IF=20mA
   FORWARD VOLTAGE(VF):YELLOW 2.1V AT IF=20mA
   DOMINANT WAVE LENGTH(λD):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: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±0.25
3 PLC ±0.25
4 PLC ±-
ANGLES ±-

PRODUCT SPEC: 108-104005
APPLICATION SPEC: -

DWN SKY ZHAO 23JAN2008
CHK KEITH ZHU 23JAN2008
APVD TEDDY XIONG 23JAN2008

trp CONNECTOR a bel group
DONGGUAN CHINA

PRODUCT SPEC: MAGJACK OVER USB NON-POE

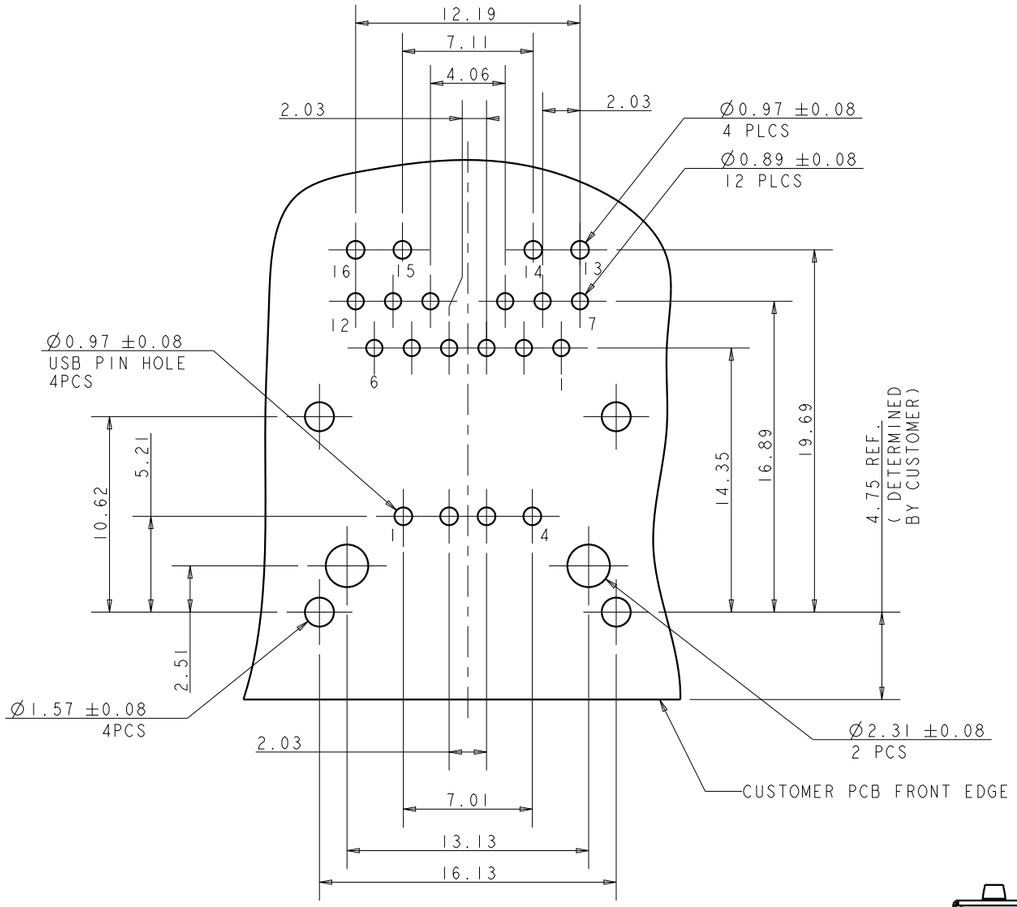
NAME: RJ45 OVER SINGLE USB URG41 GIGABIT CIRCUIT, W/LEDS

SIZE A3 | CAGE CODE | DRAWING NO C-1840012 | RESTRICTED TO -

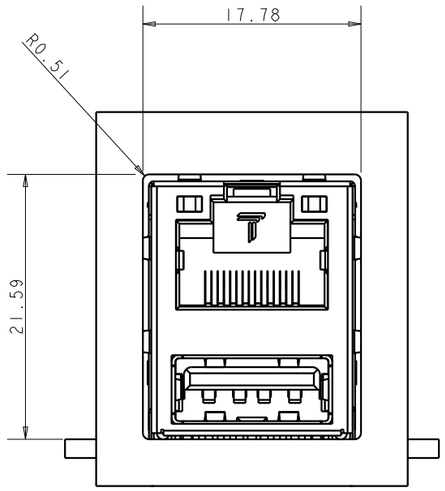
CUSTOMER DRAWING | SCALE 2:1 | SHEET 1 OF 2 | REV H

Please read our datasheet & drawing disclaimer here.

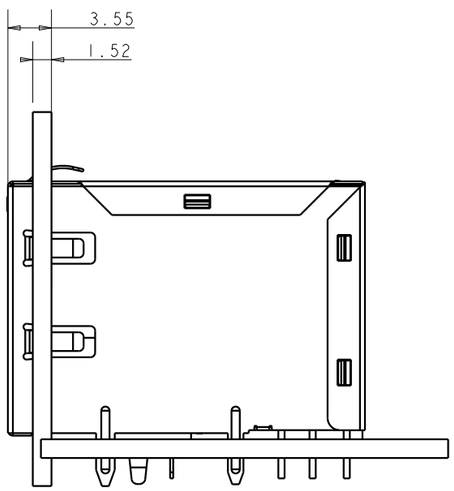
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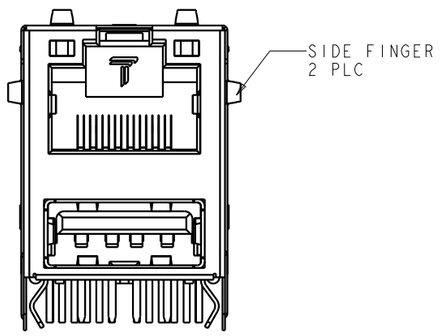


SUGGESTED PCB FOOTPRINT
COMPONENT SIDE SHOWN



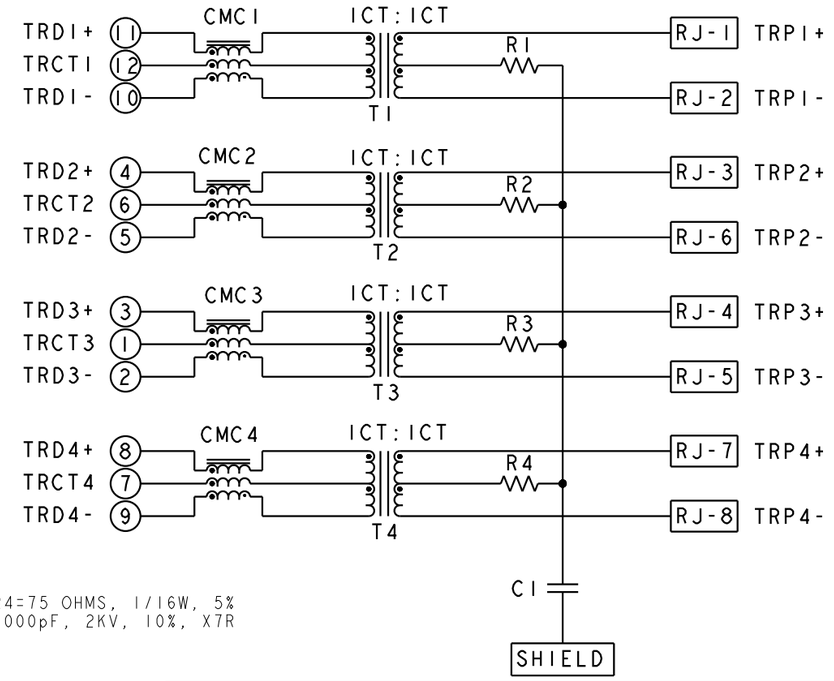
SUGGESTED PANEL
CUT-OUT DIMENSION



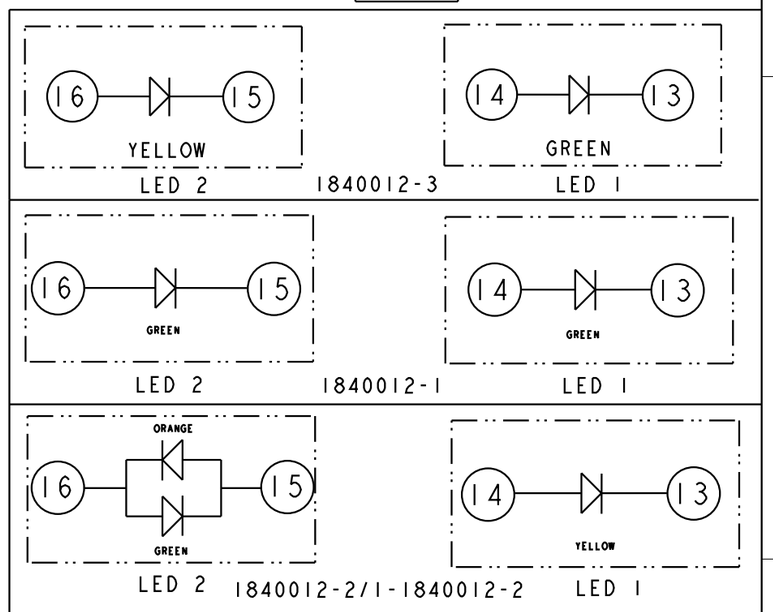


1840012-3

△2△3 URG41 GIGABIT CIRCUIT



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



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

DWN SKY ZHAO	23JAN2008
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 1:1 / SHEET 2 OF 2 / REV H

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