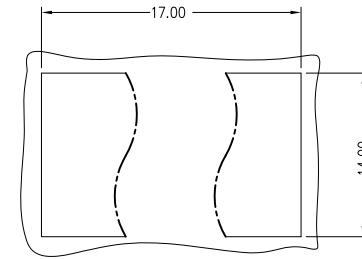
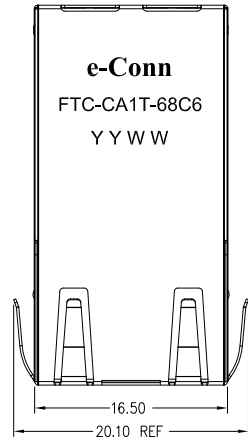
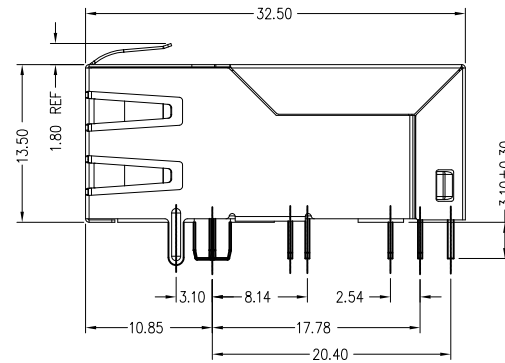
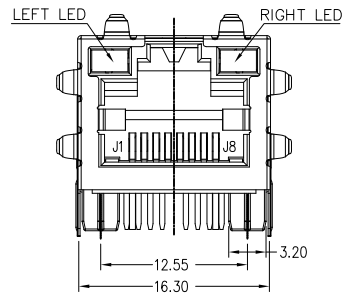


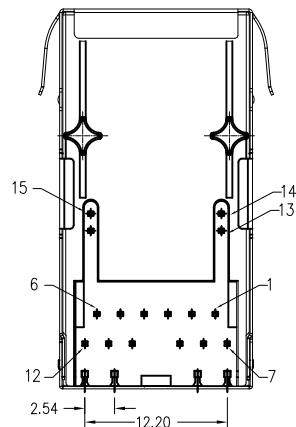
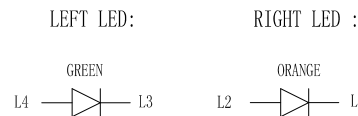
1. MECHANICAL DIMENSIONS :



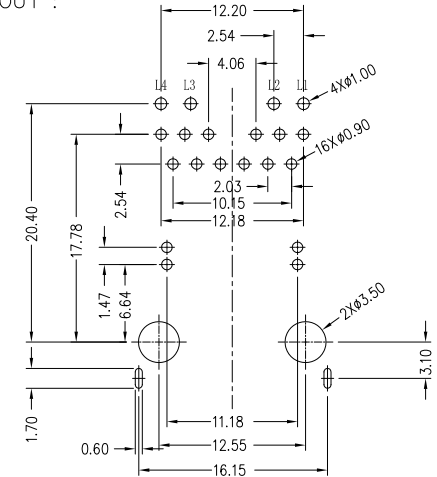
RECOMMENDED  
PANEL CUTOUT DIMENSION



LED CONFIGURATION :



2. PCB LAYOUT :



SUGGESTED PCB LAYOUT

DIMENSIONAL TOLERANCE: .XX ±0.05MM

NOTES:

- MATERIALS:  
HOUSING -PBT POLYESTER UL94V-0  
MIXED GLASS FIBER.  
STANDARD COLOR-BLACK.  
CONTACTS -0.35mm THICK PHOS-BRONZE PLATED  
WITH 30u' GOLD AND TIN  
IN SOLDER AREA.  
SHIELD-0.2mm THICK COPPER ALLOY,  
PLATED WITH NICKEL.
- CAVITY CONFIRMS TO FCC RULES AND REGULATIONS  
PART 68,SUBPART F.

REV.	ECN. NO.	DRAWN	DATE	EC.content
A	New	Tony	05/23/2017	



⊗: QUALITY CONTROL ITEM		GENERAL TOLERANCE		PART NO.: FTC-CA1T-68C6		
APPROVED		.X± 0.38	X.'± 2'	TITLE:RJ45,CONN,W/ LED,8P8C		
CHECKED		.XX± 0.25	.X'± 1'	10G Base-T,FILTER		
DRAWN		.XXX± 0.13		UNIT: mm	SCALE:1:1	SHEET: 1/2
						REV.: A

1

2

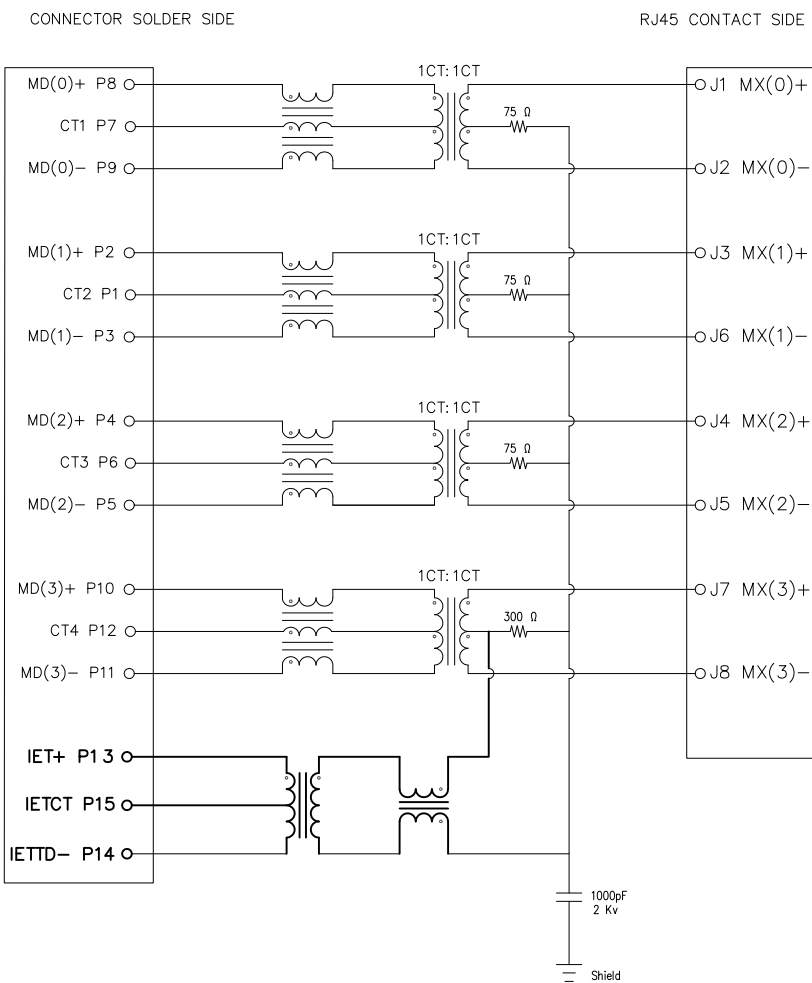
3

說明: △:備註 ◇:版本變更 ①:尺寸序號 ■:重點尺寸 ▼:CPK尺寸

DOCUMENT NO. : ZER0013/A.3

SIZE: A4

3. SCHEMATIC:



4. ELECTRICAL CHARACTERISTICS :

- TEST NOTES: (0~70°C)
- TR: (100KHz, 0.1V); 100%  
 PINS: (P8,P9): (J1,J2)=1:1±3%; (P2,P3): (J3,J6)=1:1±3%  
 PINS: (P4,P5): (J4,J5)=1:1±3%; (P10,P11): (J7,J8)=1:1±3%
  - LX: (100KHz, 100mV, 8mA, DC Bias) 100%  
 PINS: (P8,P9), (P2,P3)=160uH MINIMUM  
 PINS: (P4,P5), (P10,P11)=160uH MINIMUM
  - DCR: 100%  
 PINS: (J1,J2), (J3,J6)=1.2 Ω MAXIMUM  
 PINS: (J4,J5), (J7,J8)=1.2 Ω MAXIMUM
  - HIPOT: 100%  
 PINS(P8,P9) TO (J1,J2), (P2,P3) TO (J3,J6)=1500VAC FOR 60 SECONDS  
 PINS(P4,P5) TO (J1,J2), (P10,P11) TO (J3,J6)=1500VAC FOR 60 SECONDS
  - INSERTION LOSS:  
 -0.7dB MAXIMUM AT 1MHz TO 200MHz;  
 -1.1dB MAXIMUM AT 200MHz TO 400MHz;
  - RETURN LOSS:  
 -18dB MINIMUM AT 1MHz TO 40MHz;  
 -20-10\*log(Freq MHZ/40MHZ)dB MINIMUM AT 40MHz TO 400MHz  
 -8-30\*log(Freq MHZ/400MHZ)dB MINIMUM AT 400MHz TO 500MHz
  - CROSS TALK:  
 -40.04+(Freq MHZ/24.9)dB MINIMUM AT 1MHz TO 250MHz  
 -30dB MINIMUM AT 250MHz TO 500MHz
  - DM TO CM CONVERSION:  
 -48dB MINIMUM AT 1MHz TO 30MHz  
 -43.663+18.825\*log(Freq MHZ/51)dB MINIMUM AT 30MHz TO 500MHz
  - CM TO DM CONVERSION:  
 -30dB MINIMUM AT 1MHz TO 100MHz  
 -40+(0.1\*Freq MHZ)dB MINIMUM AT 100MHz TO 150MHz  
 -26.2856+(0.008571\*Freq MHZ)dB MINIMUM AT 150MHz TO 500MHz
  - COMMON TO COMMON MODE REJECTION:  
 -29dB MINIMUM AT 1MHz TO 150MHz  
 -32.8571-(0.025714\*Freq MHZ)dB MINIMUM AT 150MHz TO 500MHz  
 -25-(0.01\*Freq MHZ)dB MINIMUM AT 500MHz TO 1000MHz

REV.	ECN. NO.	DRAWN	DATE	EC.content
A	New	Tony	05/23/2017	



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CHECKED		.XX± 0.25	.X'± 1'				
DRAWN		.XXX± 0.13		UNIT: mm	SCALE:1:1	SHEET: 2/2	REV.: A

説明: △:備註 ◇:版本變更 ①:尺寸序號 ■:重點尺寸 ▼:CPK尺寸

DOCUMENT NO. : ZER0013/A.3

SIZE: A4