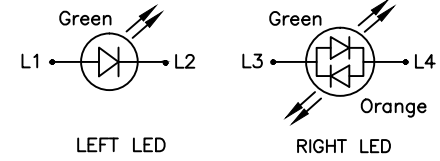
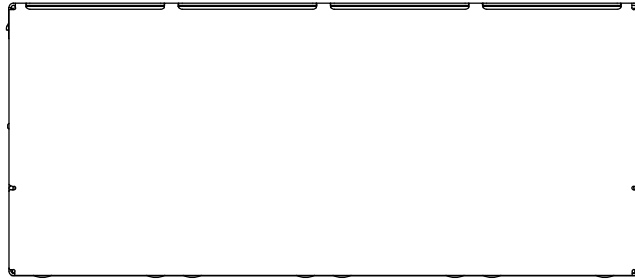
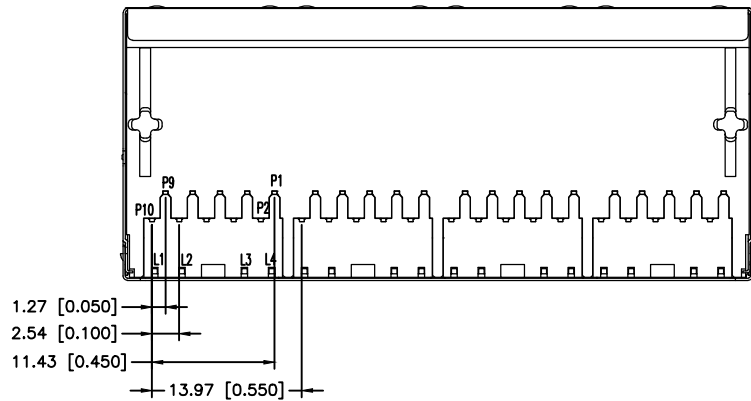
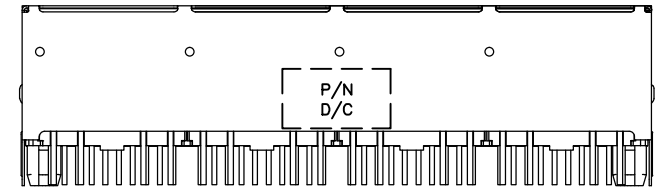
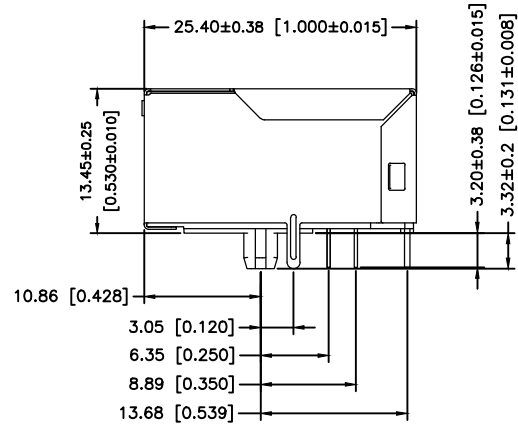
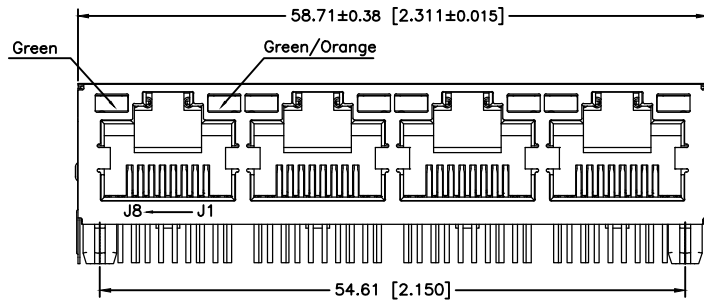


MECHANICAL DRAWINGS:

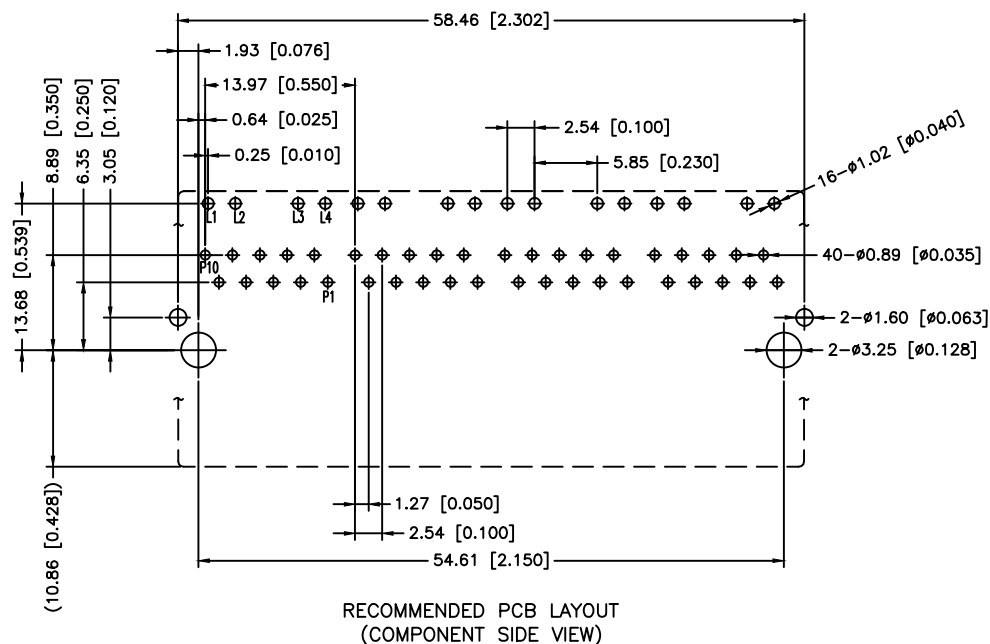


Emitting Color	$\lambda_p$ (nm)	$V_f$ @ $I_f=20mA$	$I_r$ @ $V_r=5V$
Green	565	1.7V~2.6V	10 $\mu$ A max.
Orange	610	1.7V~2.6V	10 $\mu$ A max.



<b>QUALITY SYMBOLS</b> MAJOR CRITICAL	DRAWN BY: DENG JIANXIANG '180522 DATE:	
	CHECKED BY: TENG CHANG HO '180522 DATE:	
<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> X. ±XXX .X ±0.38 .XX ±0.20 .XXX ±XXX ANGLES ±1°	APPROVED BY: KUO JUNG HSUN '180522 DATE:	DWG NO.: 30845-XXXXXXXX-XXX PART NO.: SEE NOTES
UNITS: mm	SCALE: 1:1	SIZE: A4 SHEET NO.: 1 OF 3 REV: 1

PCB LAYOUT

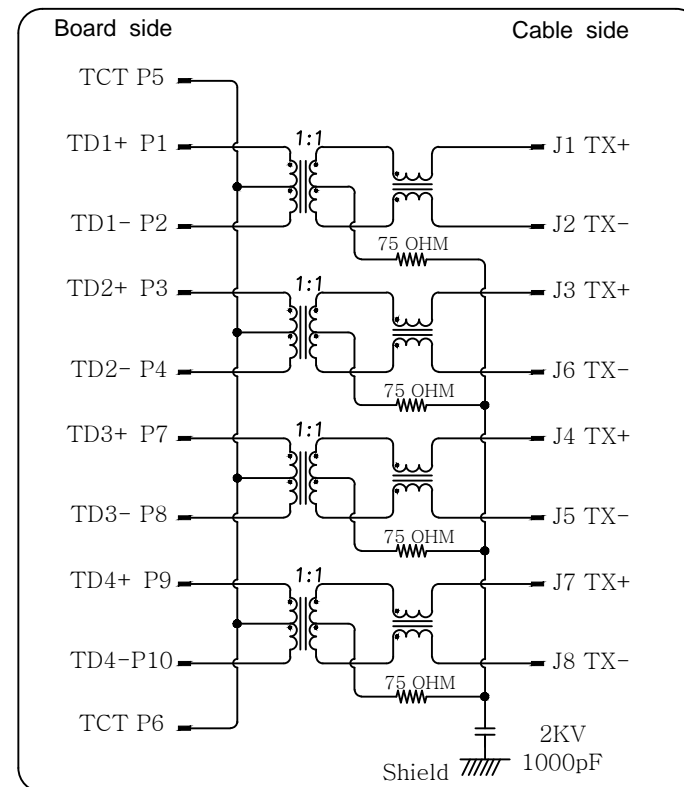


P/N RULE CODE:

30845-M EB AA 1 00 T -001

- 001: NORMAL
- PACKING:  
T: TRAY
- MECHANICAL SERIES
- PLATING CODE:  
1: GOLD FLASH
- CIRCUIT TYPE: 10/100/1000 Base-T
- LED CODE  
EB: L=GREEN, R=G/O, POLARITY REVERSE
- M: MODULE+HF

SCHEMATIC:



<b>QUALITY SYMBOLS</b> MAJOR CRITICAL	DRAWN BY: DENG JIANXIANG DATE: '180522	
	CHECKED BY: TENG CHANG HO DATE: '180522	
GENERAL TOLERANCES (UNLESS SPECIFIED)	APPROVED BY: KUO JUNG HSUN DATE: '180522	DWG NO.: 30845-XXXXXXXX-XXX
X. $\pm$ XXX .X $\pm$ 0.38 .XX $\pm$ 0.20 .XXX $\pm$ XXX ANGLES $\pm$ 1°	UNITS: mm SCALE: 1:1	SIZE: A4 DWG NO.: 30845-XXXXXXXX-XXX REV: 1 PART NO.: SEE NOTES

**ELECTRICAL CHARACTERISTICS :**

1. INSERTION LOSS :
  - 1~100 MHz -1.0dB MAX.
2. RETURN LOSS(LOAD 100Ω) :
  - 1~30 MHz -18dB MIN
  - 30~60 MHz -16dB MIN
  - 60~80 MHz -12dB MIN
  - 80~100 MHz -10dB MIN
3. COMMON MODE REJECTION
  - 1~100 MHz -30dB MIN
4. CROSS TALK
  - 1~100 MHz -30dB MIN
5. OCL @ 100KHz, 0.1V, 8mA DC BIAS
  - (P1-P2),(P3-P4),(P7-P8),(P9-P10) : 350 uH MIN
6. DCR
  - (J1-J2),(J3-J6)(J4-J5),(J7-J8) : 1.2Ω MAX
7. HI-POT TEST
  - PCB SIDE TO CABLE SIDE : 1500VAC 60S OR 2250VDC 60S
8. TURNS RATION 100KHz
  - (P1-P2) : (J1-J2) = 1:1 ±%3
  - (P3-P4) : (J3-J6) = 1:1 ±%3
  - (P7-P8) : (J4-J5) = 1:1 ±%3
  - (P9-P10) : (J7-J8) = 1:1 ±%3

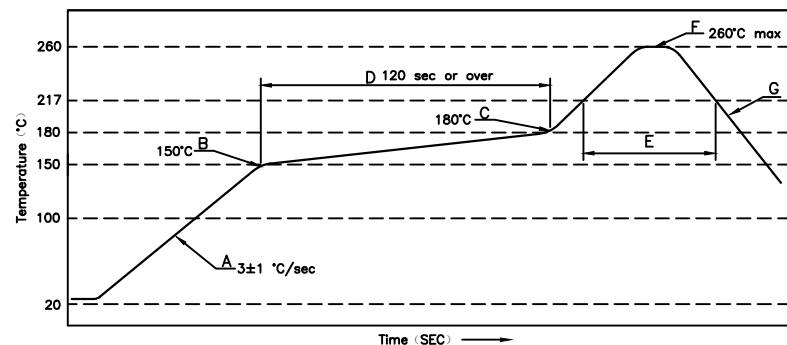
**SPECIFICATIONS :**

1. MATERIAL
  - HOUSING : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, BLACK,HF
  - MODULE CASE : HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0, BLACK,HF
  - RJ CONTACTS : PHOSPHOR BRONZE  
PLATING : GOLD FLASH ON CONTACT AREA,  
100u" MIN TIN PLATING ON SOLDER TAILS, 30u" MIN NICKEL OVERALL
  - SOLDER TAIL TERMINAL : BRASS  
PLATING : 100u" TIN MIN OVER 30u"MIN NICKEL OVERALL
  - SHIELD : STAINLESS, THICKNESS=0.2mm, PRE-SOLDERING
2. RJ45 SPECIFICATIONS
  - INSULATION RESISTANCE : 500 MOHMS MIN
  - INSERTION FORCE WITH THE LATCH DEPRESSED :22N MAX
  - REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
  - DURABILITY :750 CYCLES
3. OPERATING AND STORAGE TEMPERATURE
  - OPERATING TEMPERATURE : 0°C TO +70°C
  - STORAGE TEMPERATURE : -40°C TO +85°C

**4. TEMPERATURE CONDITION OF REFLOW SOLDERING:**

Contents	Soldering Condition
A: Increasing speed	3±1 °C/sec
B: Pre-heat starting speed	150°C
C: Pre-heat ending speed	180°C
D: Pre-heat interval	120 sec or over
E: Over 217°C time	60~150 sec
F: Peak Temperature(Tp)	260°C max
Time within 5°C of actual Peak Temp(Tp)	10 sec max
G: Ramp down rate	6°C/sec max

Note:  
Type of lead-free solder should be 96.5Sn-3.0Ag-0.5Cu or 99.3Sn-0.7Cu.



QUALITY SYMBOLS MAJOR Ⓜ CRITICAL Ⓢ	DRAWN BY DENG JIANXIANG '180522	DATE '180522	
	CHECKED BY TENG CHANG HO '180522	DATE '180522	
GENERAL TOLERANCES (UNLESS SPECIFIED)	APPROVED BY KUO JUNG HSUN '180522	DATE '180522	
X. ±XXX .X ±0.38 .XX ±0.20 .XXX ±XXX ANGLES ±1°	UNITS mm		SIZE A4
	SCALE 1:1	SHEET NO. 3 OF 3	DWG NO. 30845-XXXXXXXX-XXX
		REV 1	PART NO. SEE NOTES