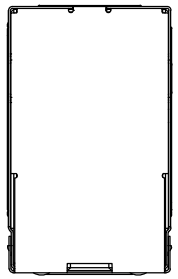
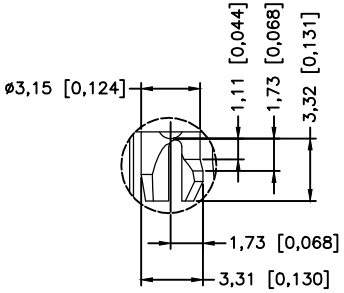
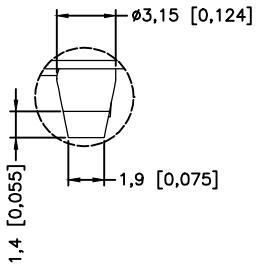
MECHANICAL DRAWINGS:

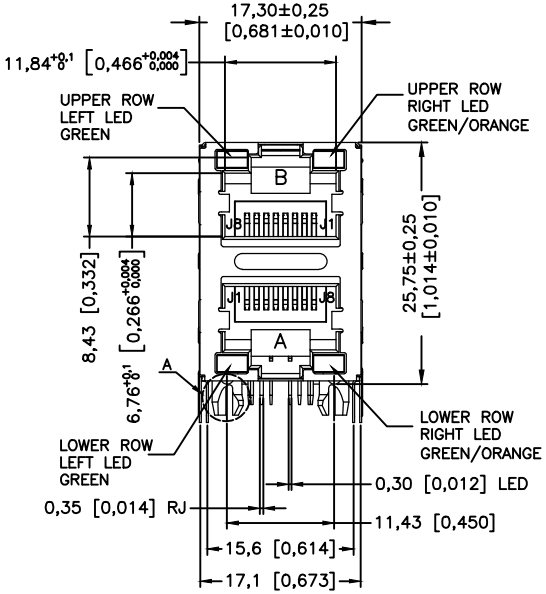


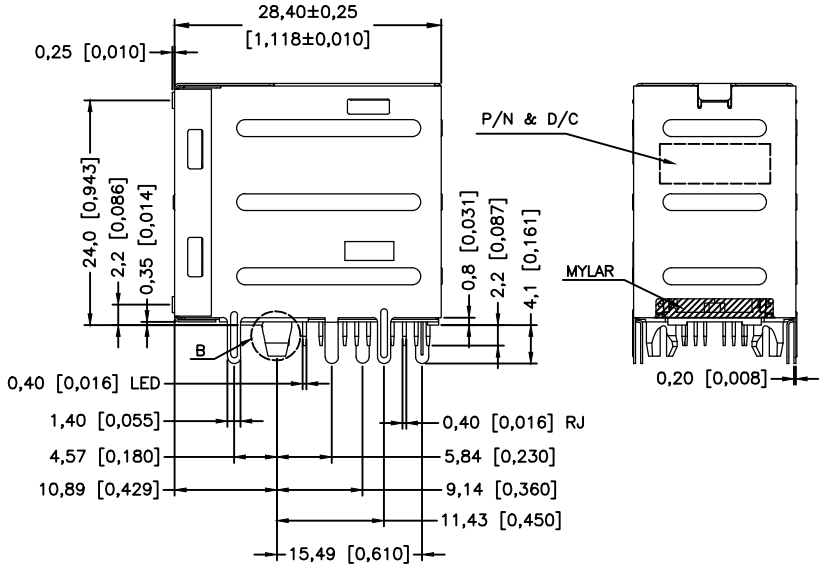


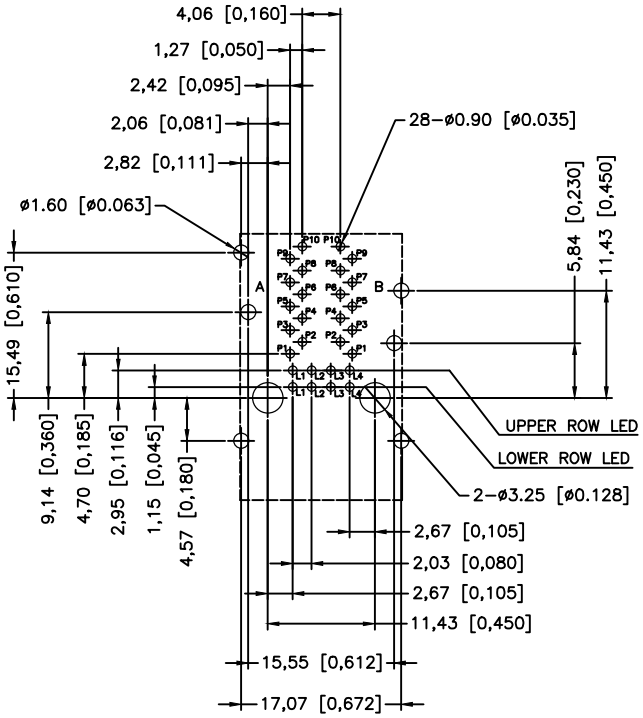
Detail A



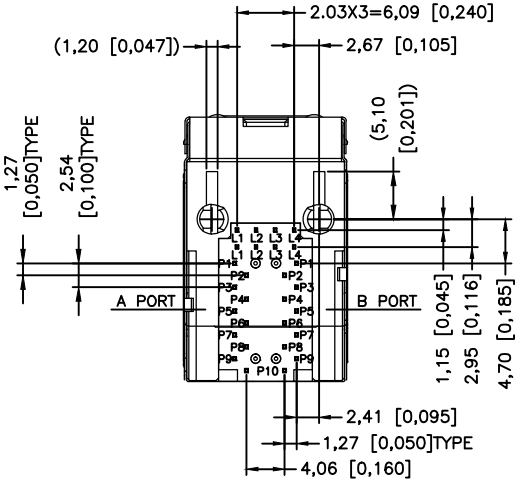
Detail B

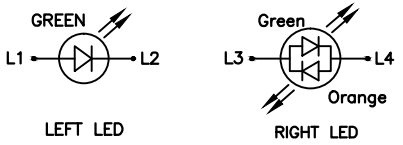






RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)

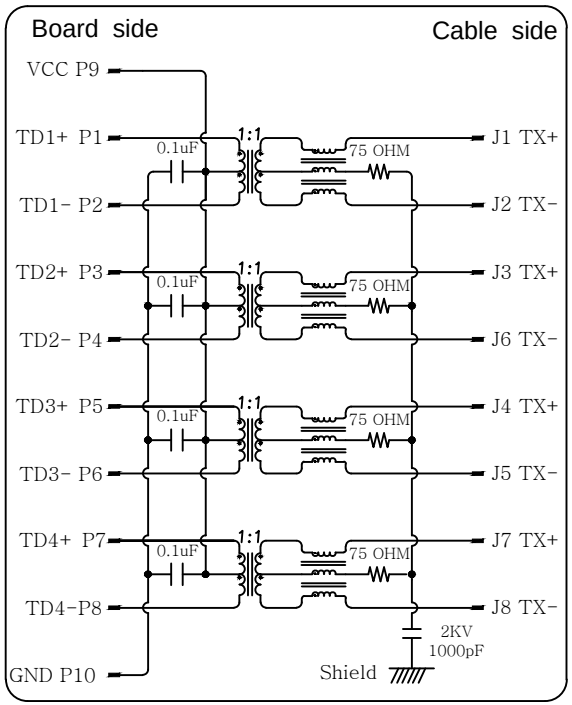




Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
Green	565	1.7V~2.6V	10μA max.
Orange	610	1.7V~2.6V	10μA max.

QUALITY SYMBOLS MAJOR Ⓜ CRITICAL Ⓒ	DRAWN BY: DENG JIANXIANG DATE: '180727	ACES ELECTRONICS	
GENERAL TOLERANCES (UNLESS SPECIFIED) X. ±XXX .X ±0.38 .XX ±0.20 .XXX ±XXX ANGLES ±1°	CHECKED BY: TENG CHANG HO DATE: '180727	TITLE: 2x1 RJ45 IMC,1000 BASE-T, R/A, W/ LED	
	APPROVED BY: KUO JUNG HSUN DATE: '180727		
	UNITS: mm	SIZE: A4	DWG NO.: 30839-XXXXXXXX-XXX
	SCALE: 1:1	SHEET NO.: 1 OF 2	REV: 2
			PART NO.: SEE NOTES

SCHEMATIC FOR RJ45:



ELECTRICAL CHARACTERISTICS :

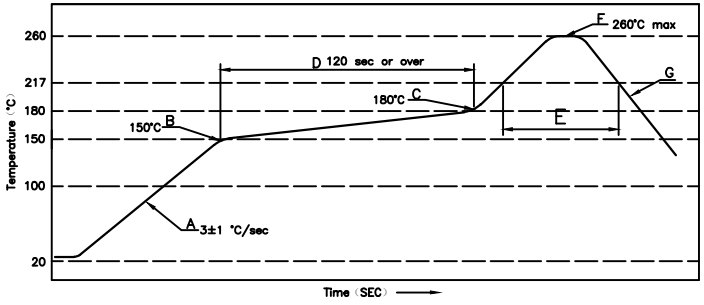
1. INSERTION LOSS :
   - 1~100 MHz −1.0dB MAX.
2. RETURN LOSS(LOAD 100Ω) :
   - 1~30 MHz −18dB MIN
   - 30~60 MHz −16dB MIN
   - 60~80 MHz −12dB MIN
   - 80~100 MHz −10dB MIN
3. COMMON MODE REJECTION
   - 1~100 MHz −30dB MIN
4. CROSS TALK
   - 1~100 MHz −30dB MIN
5. OCL @ 100KHz, 0.1V, 8mA DC BIAS
   - (P1−P2),(P3−P4),(P5−P6),(P7−P8) : 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 ±%5
   - (P3−P4) : (J3−J6) = 1:1 ±%5
   - (P5−P6) : (J4−J5) = 1:1 ±%5
   - (P7−P8) : (J7−J8) = 1:1 ±%5

SPECIFICATIONS :

1. MATERIAL
   - HOUSING : HIGH TEMPERATURE THERMOPLASTIC, UL 94V−0, BLACK
   - MODULE CASE : HIGH TEMPERATURE THERMOPLASTIC, UL 94V−0, BLACK
   - INSERT & COVER & SPACER : HIGH TEMPERATURE THERMOPLASTIC, UL 94V−0, BLACK
   - RJ CONTACTS : PHOSPHOR BRONZE
     PLATING : SELECTIVE GOLD PLATING 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. ELECTRICAL
   - INSULATION RESISTANCE : 500 MOHMS MIN
   - DIELECTRIC WITHSTANDING VOLTAGE : 1000 VAC FOR 1 MINUTE
3. DURABILITY TEST RATING
   - INSERTION FORCE WITH THE LATCH DEPRESSED :22N MAX
   - REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
   - DURABILITY :750 CYCLES
4. OPERATING AND STORAGE TEMPERATURE
   - OPERATING TEMPERATURE : SEE PART NO.
   - STORAGE TEMPERATURE : −40°C TO +85°C
5. 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 actural 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.



P/N RULE CODE:

30839−A EB AA X 00 T −XXX

- A: MODULE+ROHS
- PACKING: T: TRAY PACKAGE
- OPERATING TEMPERATURE 001: 0°C TO +70°C 002: −40°C TO +85°C
- MECHANICAL SERIES
- PLATING CODE: 1: GOLD FLASH 5: Au 30u"
- CIRCUIT TYPE: 10/100/1000 Base−T
- LED CODE EB: L=GREEN, R=G/O, POLARITY REVERSE

QUALITY SYMBOLS: MAJOR (M), CRITICAL (C)	DRAWN BY: DENG JIANXIANG DATE: '180727	ACES ELECTRONICS	
GENERAL TOLERANCES (UNLESS SPECIFIED): X. ±XXX, .X ±0.38, .XX ±0.20, .XXX ±XXX, ANGLES ±1°	CHECKED BY: TENG CHANG HO DATE: '180727	TITLE: 2x1 RJ45 IMC,1000 BASE−T, R/A, W/ LED	
	APPROVED BY: KUO JUNG HSUN DATE: '180727		
	UNITS: mm	SIZE: A4	DWG NO.: 30839−XXXXXXXX−XXX
	SCALE: 1:1	SHEET NO.: 2 OF 2	REV: 2
			PART NO.: SEE NOTES