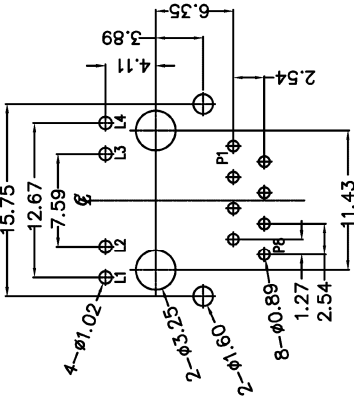
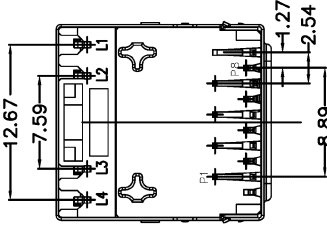
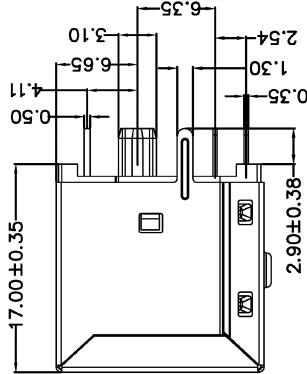
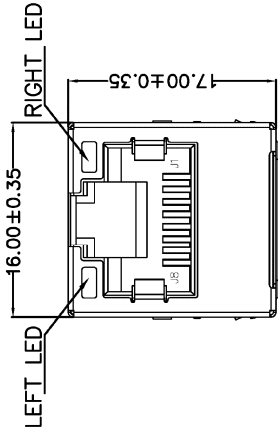
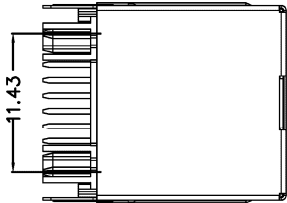


REV.	NOTES	DATE
A	RELEASED	2024/06/06

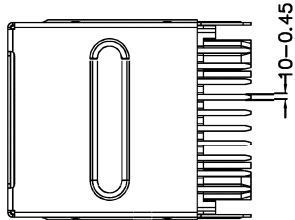
14 13 12 11 10 9 8 7 6 5 4 3 2 1



RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)
TOLERANCE: ±0.05



- MATERIAL
 - HOUSING : THERMOPLASTIC, PA6T BLACK, UL 94V-0
 - SPACER : THERMOPLASTIC, PA6T BLACK, UL 94V-0
 - RJ CONTACTS : PHOSPHOR BRONZE
 - PLATING : SELECT GOLD ON CONTACT AREA (SEE PART NO), 100U" MIN TIN PLATING ON SOLDER TAILS, 30U" MIN NICKEL OVERALL
 - SOLDER TAIL TERMINAL : BRASS
 - PLATING : 100U" MIN TIN, 30U" MIN NICKEL OVERALL
 - SHIELD : STAINLESS, THICKNESS=0.2MM, 30U" MIN NICKEL OVERALL
- 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
- OPERATING AND STORAGE TEMPERATURE
 - OPERATING TEMPERATURE : 0°C TO +70°C
 - STORAGE TEMPERATURE : -40°C TO +85°C



Plating Code:

- Gold Flash
- 3u" Au
- 6u" Au
- 15u" Au
- 30u" Au

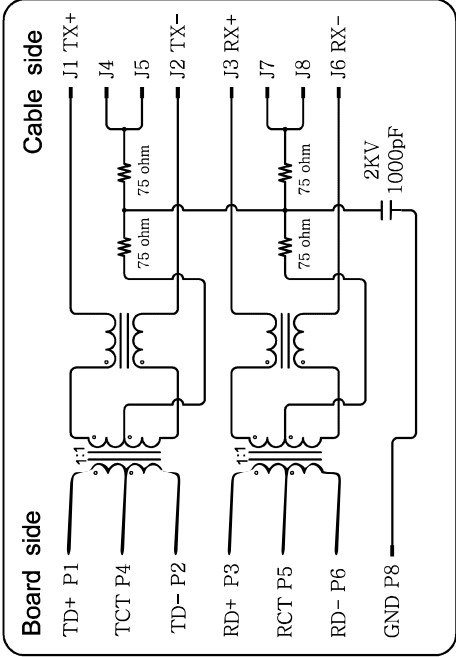
DIMENSIONS	單位(UNITS)	mm
TOLERANCE	(DRAW)	
METRIC	(DE'N)	
X.X : ±0.38		
X.X : ±0.30		
X.XX : ±0.25		
ANGLES	(APP'D)	
X : ±1°		
X.X : ±0.5°		

IE-RJ45-V5ELTR1930-SH

比例	圖紙	頁次	版次
1/1	(SCALE)	1/2	(REV.)
A	(SHEET)	A	

14 13 12 11 10 9 8 7 6 5 4 3 2 1

SCHEMATIC FOR RJ45:



LEFT LED

RIGHT LED

Emitting Color	λ_p (nm)	V_f @ $I_f=20mA$	I_r @ $V_r=5V$
Green	568	1.7V~2.6V	10 μA max.
Yellow	588	1.7V~2.6V	10 μA max.

ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :
 - 1~100 MHz -1.1dB MAX
2. RETURN LOSS(LOAD 100 Ω) :
 - 1~30 MHz -16dB MIN
 - 30~60 MHz -14dB MIN
 - 60~80 MHz -10dB MIN
3. COMMON MODE REJECTION
 - 1~100 MHz -30dB MIN
4. CROSS TALK
 - 1~100 MHz -30dB MIN
5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
 - (P1-P2),(P3-P6) : 350 μH MIN
6. HI-POT TEST
 - BOARD SIDE TO CABLE SIDE : 2250VDC 60S
7. TURNS RATION 100KHz
 - (P1-P2) : (J1-J2) = 1:1 $\pm\%3$
 - (P3-P6) : (J3-J6) = 1:1 $\pm\%3$

DIMENSIONS	單位(UNITS)	mm
TOLERANCE	繪圖(DRAW)	
METRIC	設計(DE'N)	
X : ± 0.38		
X.X : ± 0.30		
X.XX : ± 0.25		
ANGLES	核准(APP'D)	
X : $\pm 1^\circ$		
X.X : $\pm 0.5^\circ$		

IE-RJ45-V5ELTR1930-SH

比例 (SCALE)	1/1	圖紙 (SIZE)	A4	頁次 (SHEET)	1/2	版次 (REV.)	A
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