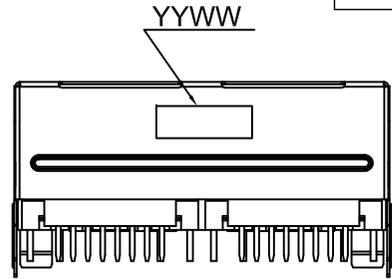
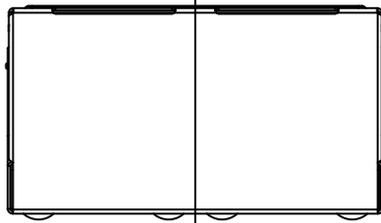
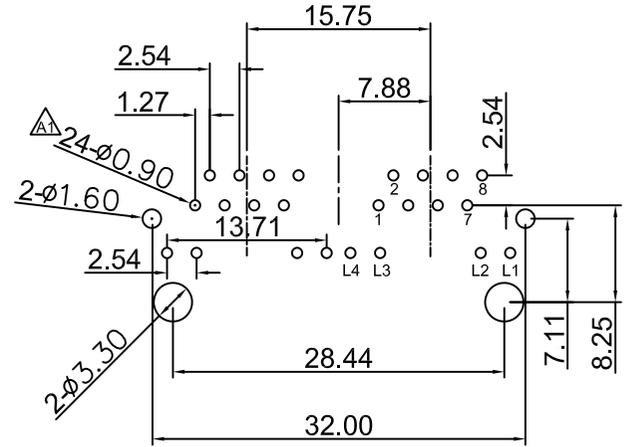
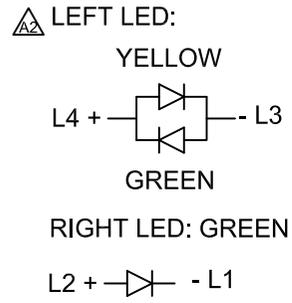


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2022/03/09	Vince
A1			Modify Pcb Layout	2023/03/13	Vince
A2			Modify Left Led Color	2023/05/19	Vince



LED SCHEMATIC:



Recommend PCB Layout
 (Jack Top View)
 TOLERANCES: ±0.05

NOTES:

- ELECTRICAL:**
- VOLTAGE RATING: 125 VAC RMS
 - CURRENT RATING: 1.5 AMP
 - CONTACT RESISTANCE: 40mΩ MAX.
 - INSULATION RESISTANCE: 500MΩ MIN. AT 500V
 - DIELECTRIC STRENGTH: 1000 VAC 50Hz 1MINUTE.

MATERIALS:

- HOUSING/INSERT CORE: PBT BLACK (UL94V-0).
- CONTACTS: PHOSPHOR BRONZE T=0.35MM.
- SHIELD: C2680 T=0.20MM.
- THE MATERIALS OF THE ABOVE PARTS ARE SHOWN IN THE CORRESPONDING DECOMPOSITION DIAGRAM.

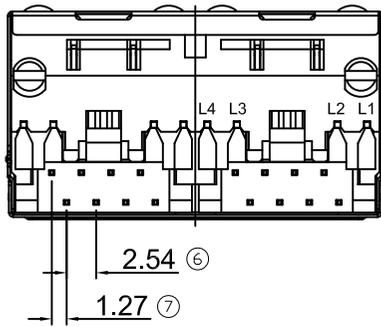
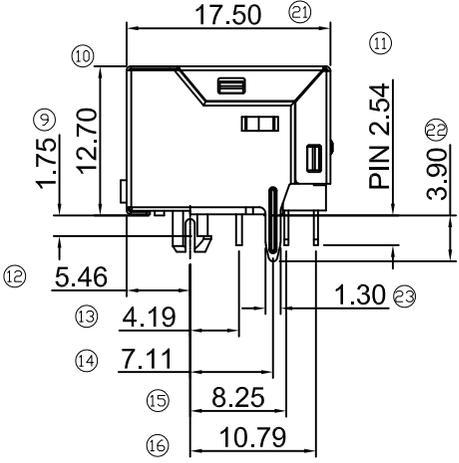
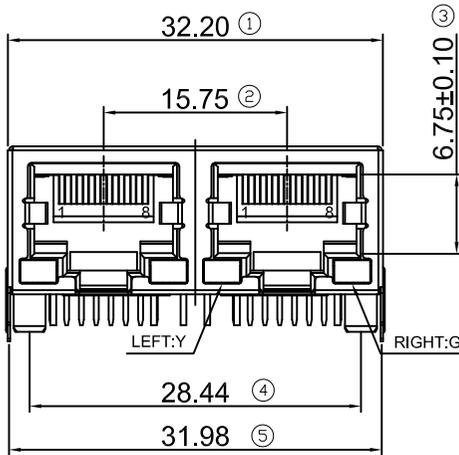
Malar: PETT=0.05MM.

FINISH:

- CONTACT: 50u" NICKE UNDER PLATING ON ALL AREA, 100u"MIN. TIN ON SOLDER TAILS, GOLD PLATED ON CONTACT AREA, GOLD PLATED ON CONTENT AREA 3U".
- SHIELD: PLATED WITH 30u" NICKE ON ALL AREA.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F.

ENVIRONMENTAL:

- STORAGE: -40° C TO +85° C
- OPERATION: -40° C TO +85° C



MATRIX PART NO:

Matrix-RJ45

F: 10/100
 G: 10/100/1000
 N: Pure Connector

M R J N - 1 2 T 1557 T R S

RS: ROHS
 HF: Halogen Free
 Industrial temperature
 Series Number

S: SMD
 T: THT

11:1X1 ; 21:2X1
 12:1X2 ; 22:2X2
 14:1X4 ; 24:2X4
 16:1X6 ; 26:2X6
 18:1X8 ; 28:2X8
 1U:RJ+USB

 Matrix Electronics Co., Ltd			
TOLERANCE: X: X X.X: ±0.38 X.XX: ±0.25 X.XXX: ±0.13 ANGLE: ±1°	DESIGN BY : Vince Chen	DATE : 2023/05/19	PART NAME: RJ45 1X2 W/SHELL W/LED
	CHECKED BY: Hanson Huang	DATE : 2023/05/19	PART NO. MRJN-12T1557TRS
UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2023/05/19	MOLD NO. NA
SCALE:1:1 SIZE:A4	APPROVED BY2: Richard Hsieh	DATE : 2023/05/19	DRAW NO. SHEET NO. 1 OF 1