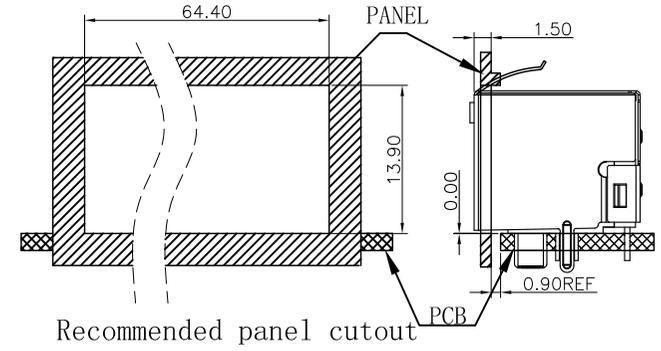
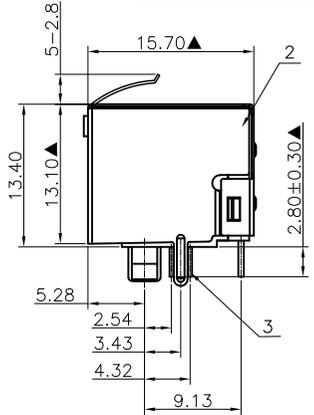
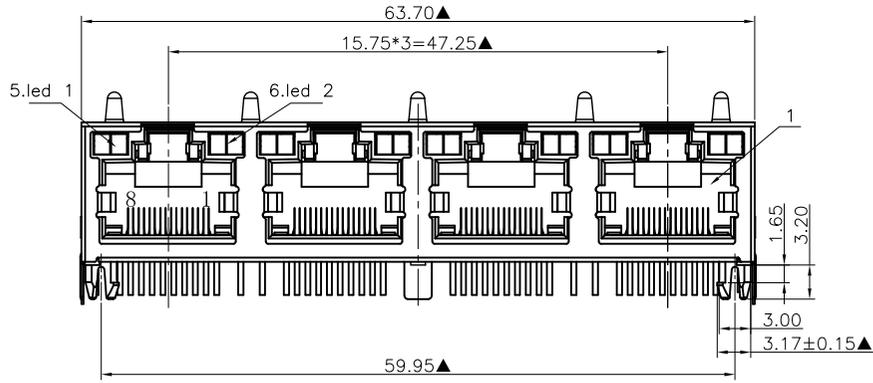
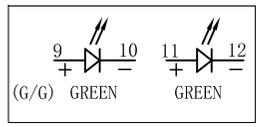
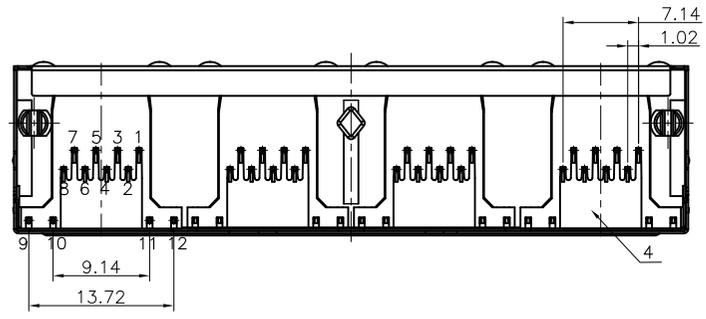


GP Component

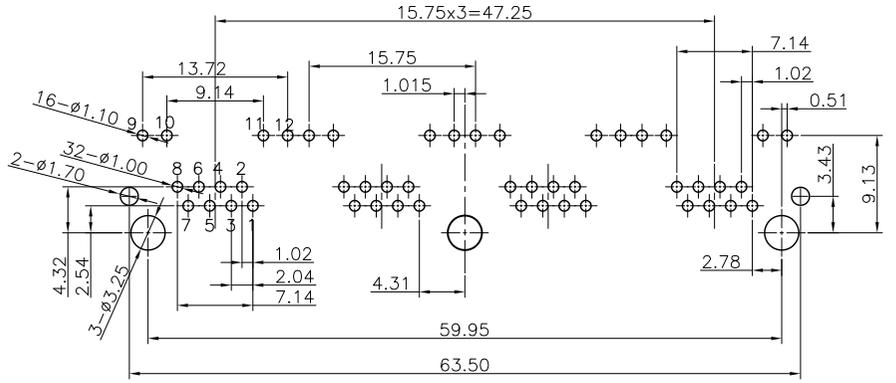
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A4			Change pin length	2018/01/31	Phebe Su
A5			Sealing on the back side of Housing	2018/08/27	Phebe Su
A6			Modify Product Structure	2023/04/19	Vince



Recommended panel cutout



LED PIN DEFINE



RECOMMENDED P.C.B LAYOUT TOP VIEW
(COMPONENT SIDE TOLERANCE±0.05)

MATRIX PART NO :
M R J N - 1 4 T 380 T R S
Matrix-RJ45
F : 10/100
G : 10/100/1000
N : Pure Connector
RS:RDHS
HF:Halogen Free
Industrial temperature
Series Number
S:SMD
T:THT
11x1 ; 21x1
12x2 ; 22x2
14x4 ; 24x4
16x6 ; 26x6
18x8 ; 28x8
1URJ+USB

NOTES:

- MATERIALS:
HOUSING: PA46, UL94V-0, BLACK.
INSERT: PBT, UL94V-0, BLACK.
CONTACTS: T=0.35x0.46 mm PHOSPHOR BRONZE, 50u" Min. NICKEL UNDERPLATE 100u" Min. TIN ON SOLDERTAIL GOLD 3u" Min ON CONTACT AREA.
SHELL: COPPER ZINC ALLOY T=0.20 NICKEL 30u" Min OVERALL
- ELECTRICAL:
2-1.VOLTAGE RATING :125V MAX.
2-2.CURRENT RATING :1.5A MAX @25°C.
2-3.CONTACT RESISTANCE :20 MILLIOHMS MAX.
2-4.INSULATION RESISTANCE :500 MEGOHMS MIN. @500VDC
- MECHANICAL CHARACTERISTICS:
3-1.DURABILITY:750 CYCLES
3-2.INSERTION &WITHDRAWAL FORCE:30N Max.
3-3.PLUG RETENTION FORCE: 50N min, 60s±5s
- ENVIRONMENTAL:
4-1.STORAGE: -40°C TO +85°C.
4-2.OPERATION: -40°C TO +85°C.
4-3.RoHS COMPLIANT
- OPERATING TEMPERATURE: -40°C ~ +85°C
- LED SPEC
6-1.FORWARD VOLTAGE:1.8~2.4V
6-2.REVERSE CURRENT:105uA MAX
6-3.PEAK WAVE LENGTH:565~575nm

※MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68,SUBPART F.
※凡注▲记号者, 为重点尺寸。



Matrix Electronics Co.,Ltd

TOLERANCE: X:X X:XX ±0.38 X:XXX ±0.25 X:XXX ±0.13 ANGLE: ±3		DESIGN BY : Vince Chen	DATE : 2023/04/19	PART NAME: RJ45 CONNECTOR 1X4 PORT W/LED	
		CHECKED BY: Hanson Huang	DATE : 2023/04/19	PART NO.	MRJN-14T380TRS
		APPROVED BY1: Richard Hsieh	DATE : 2023/04/19	MOLD NO.	NA
		APPROVED BY2: Richard Hsieh	DATE : 2023/04/19	DRAW NO.	
SCALE:1:1	SIZE:A4			SHEET NO.	1 OF 1