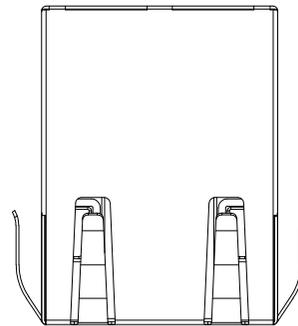
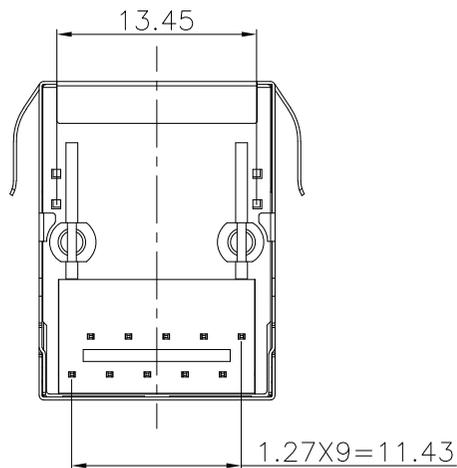
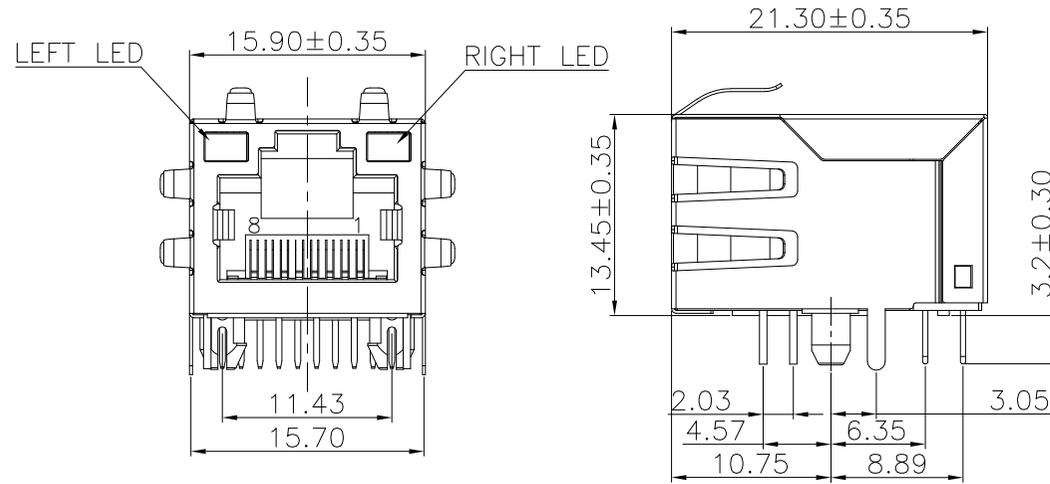


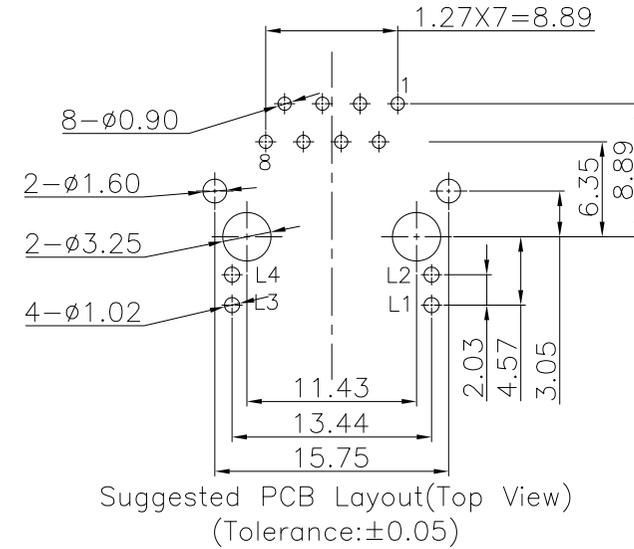
# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2021/06/16	Vince

## 1. MECHANICAL DIMENSIONS:



## 2. PCB LAYOUT :



### 1. Material:

- 1.1 Housing: PBT UL94V-0 Black.
- 1.2 Insert core: PBT UL94V-0 Black.
- 1.3 Contact : Phosphor Bronze, Gold plated on contact area 6u", Tin plated on solder area 80u" min, overall nickel plating 30u" min.
- 1.4 Input Terminal : Brass, Tin plated on solder area 80u" min, Ni underplated overall 30u" min.
- 1.5 Metal shielding: Copper alloy with Nickel plated.

### 2. Environmental requirements:

- 2.1 Lead-free process, compliant RoHS.



Matrix Electronics Co., Ltd

<b>TOLERANCE:</b> X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 X±2°	DESIGN BY :	DATE :	<b>PART NAME:</b> RJ45 1X1 TAB UP PCB JACK W/SHELL&LED DIP TYPE
	Vince Chen	2021/06/16	
	CHECKED BY:	DATE :	<b>PART NO.</b> MRJN-11T1408TRS
	Hanson Huang	2021/06/16	
	APPROVED BY1:	DATE :	<b>MOLD NO.</b> NA
	Richard Hsieh	2021/06/16	
<b>UNIT:</b> mm [inch]	APPROVED BY2:	DATE :	<b>DRAW NO.</b> <b>SHEET NO.</b> 1 OF 2
<b>SCALE:</b> 1:1 <b>SIZE:</b> A4	Richard Hsieh	2021/06/16	

# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2021/06/16	Vince

### 3. SCHEMATIC:



Emitting Color	$\lambda$ p(nm)	Vf@If=20mA
GREEN	565	1.8-2.5V
YELLOW	585	1.8-2.5V

### 4. Electrical Specification @25°C:

- 4.1 Voltage rating: 125V AC.
- 4.2 Insulation resistance: 500 M $\Omega$  minimum initial after 500V DC for 1 minute.
- 4.3 Low level Contact resistance:  
Single terminal 30 m $\Omega$  Max initial  
50 m $\Omega$  maximum after durability test.

### 5. Operating and Storage Temperature:

- 5.1 Operating Temperature : -40°C to +85°C.
- 5.2 Storage Temperature : -40°C to +85°C.

### 6. Wave soldering peak temperature: 260°C.

MATRIX PART NO:  
 MRJ N-11 T 1408 T RS  
 Matrix-RJ45  
 F:10/100  
 G:10/100/1000  
 N:Pure Connector  
 11:1X1 ; 21:2X1  
 12:1X2 ; 22:2X2  
 14:1X4 ; 24:2X4  
 16:1X6 ; 26:2X6  
 18:1X8 ; 28:2X8  
 1U:RJ+USB  
 T:RS:ROHS  
 HF:Halogen Free  
 Industrial temperature  
 S:SMD  
 T:THT  
 Series Number



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 X±2°	DESIGN BY :	DATE :	PART NAME: RJ45 1X1 TAB UP PCB JACK W/SHELL&LED DIP TYPE
	Vince Chen	2021/06/16	
 UNIT: mm [inch]	CHECKED BY:	DATE :	PART NO.
	Hanson Huang	2021/06/16	MRJN-11T1408TRS
 SCALE:1:1 SIZE:A4	APPROVED BY1:	DATE :	MOLD NO.
	Richard Hsieh	2021/06/16	NA
	APPROVED BY2:	DATE :	DRAW NO.
	Richard Hsieh	2021/06/16	SHEET NO.
			2 OF 2