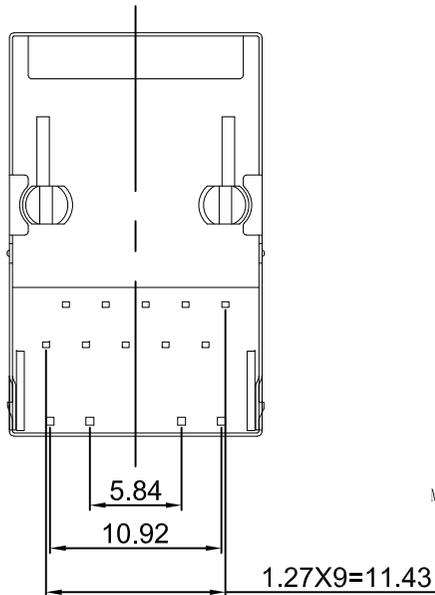
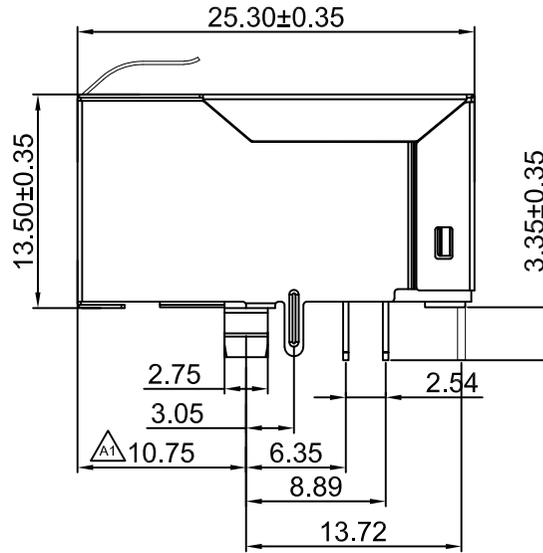
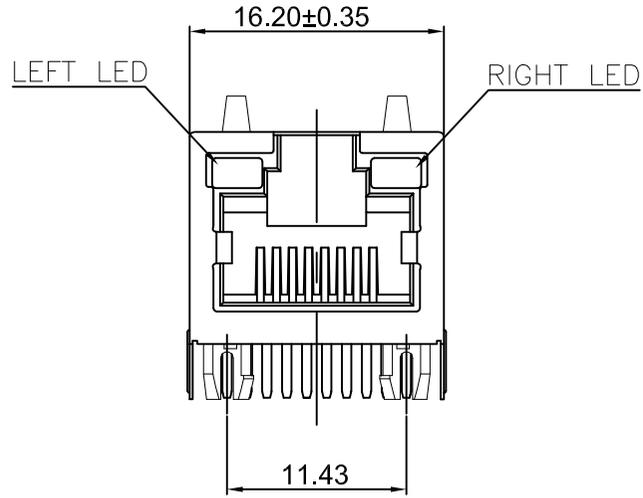


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2022/06/26	Vince
A1			Add Size 10.75mm	2023/06/27	Vince

1. MECHANICAL



Printing:

MATRIX
MRJF-11T1639RS
YYWW

ORDER INFORMATION :

MRJ F - 1 1 T 1639 RS

Matrix-RJ45 RS: ROHS
HF: Halogen Free

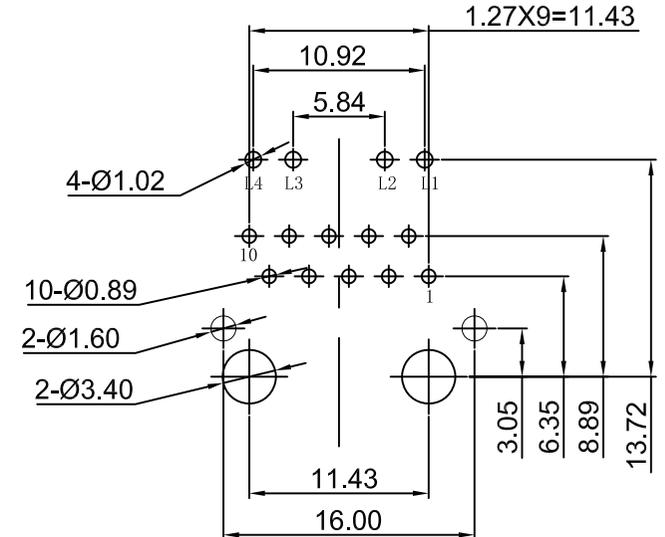
F : 10/100
G : 10/100/1000
N : Pure Connector

Series Number

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

S: SMD
T: THT

2. PCB LAYOUT



Suggested PCB Layout(Top View)
(Tolerance:±0.05)

1.Material:

- 1.1 Housing: PBT UL94V-0 Black.
- 1.2 Contact :Phosphor Bronze,Gold plated on contact area 6u".
- 1.3 Input Terminal : Brass.
- 1.4 Metal shielding:Copper alloy with Nickel plated.

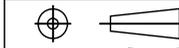
2.Environmental requirements:

- 2.1 Lead-free process,compliant RoHS.



Matrix Electronics Co., Ltd

TOLERANCE:		DESIGN BY :	DATE :	PART NAME:	
X:X	±0.38	Vince Chen	2023/06/27	RJ45, CONNECTORS, W/LED, SHIELDED 10/100, FILTER	
X:XX	±0.25	CHECKED BY:	DATE :	PART NO.	MRJF-11T1639RS
X:XXX	±0.13	Hanson Huang	2023/06/27	MOLD NO.	NA
ANGLE: ±3°		APPROVED BY1:	DATE :	DRAW NO.	
		Richard Hsieh	2023/06/27	SHEET NO.	1 OF 2
		APPROVED BY2:	DATE :		
		Richard Hsieh	2023/06/27		



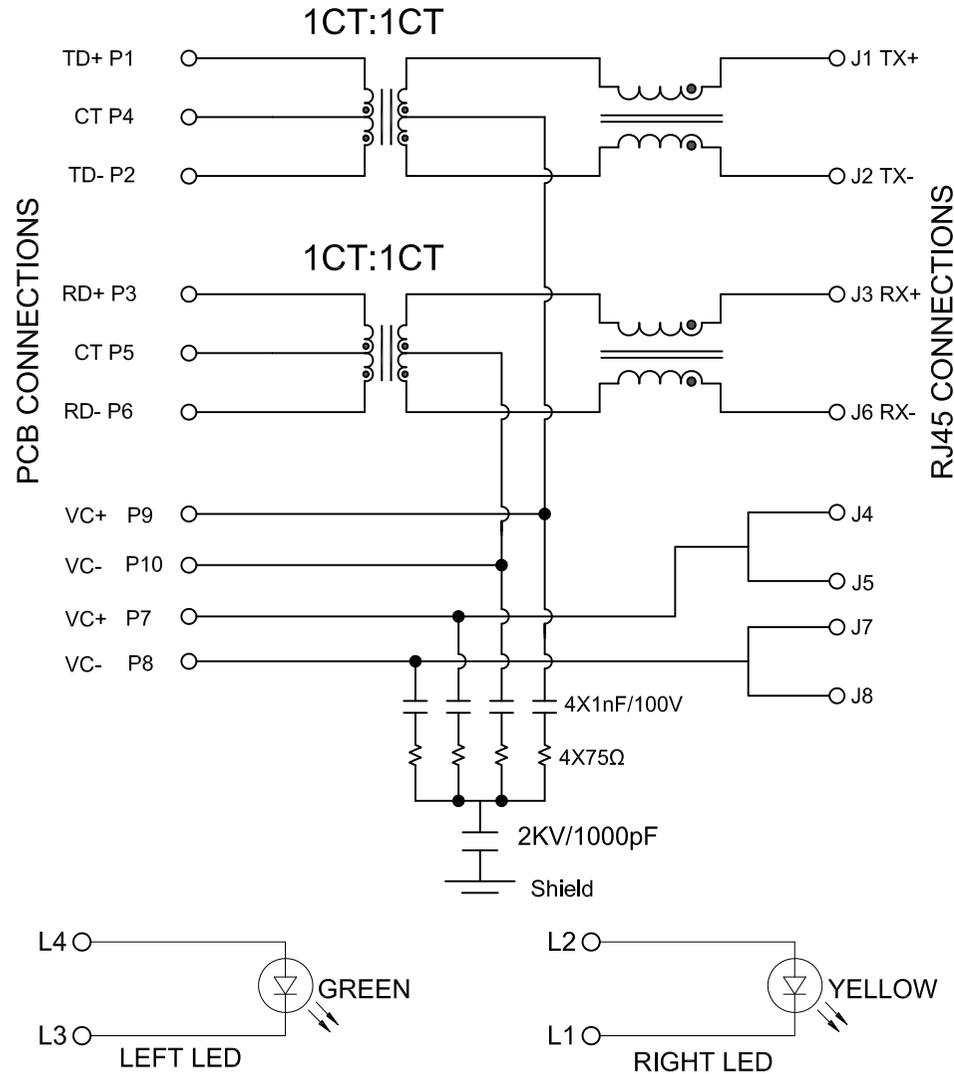
UNIT: mm [inch]

SCALE:1:1 SIZE:A4

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2022/06/26	Vince
A1			Add Size 10.75mm	2023/06/27	Vince

3. SCHEMATIC:



4. Electrical Specification @25°C:

- 4.1 Inductance: 350uH Min With 8mA DC bias.
- 4.2 Insertion loss : 1-100MHZ -1dB max.
- 4.3 Return loss : 1-30MHZ -18dB min.
30-60MHZ -16dB min.
60-80MHZ -12dB min.
80-100MHZ -10dB min.
- 4.4 Common Mode Rejection:1-100MHZ -30dB min.
- 4.5 Cross Talk:1-100MHZ -30dB min.
- 5. Operating and Storage Temperature:
 - 5.1 Operating Temperature : 0°C to +70°C.
 - 5.2 Storage Temperature : -40°C to +85°C.
- 6. Wave soldering peak temperature:260°C.

Emitting Color	λ_p (nm)	$V_f@I_f=20mA$
GREEN	565	1.8-2.5V
YELLOW	585	1.8-2.5V



Matrix Electronics Co., Ltd

TOLERANCE: X: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3°	DESIGN BY : Vince Chen	DATE : 2023/06/27	PART NAME: RJ45, CONNECTORS, W/LED, SHIELDED 10/100, FILTER	
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY: Hanson Huang	DATE : 2023/06/27	PART NO.	MRJF-11T1639RS
	APPROVED BY1: Richard Hsieh	DATE : 2023/06/27	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/06/27	DRAW NO.	
			SHEET NO.	2 OF 2