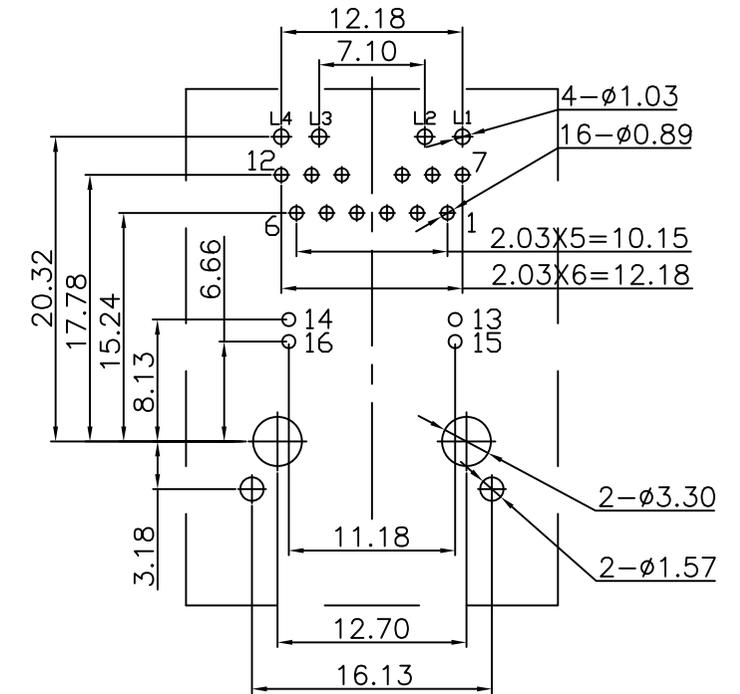
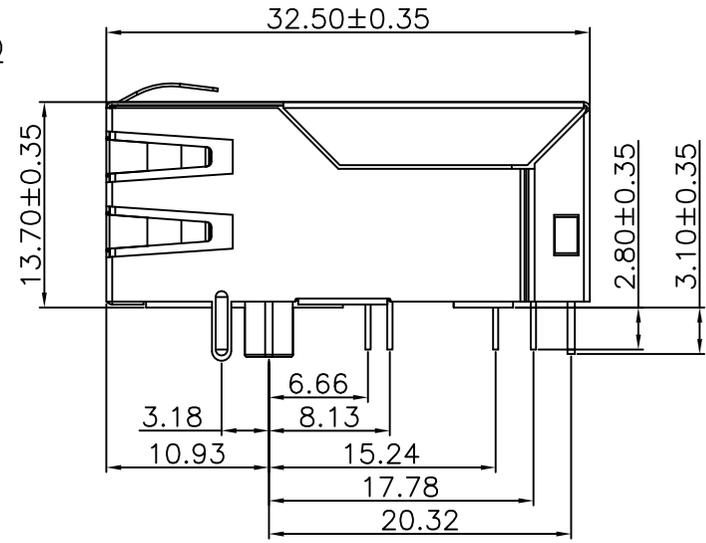
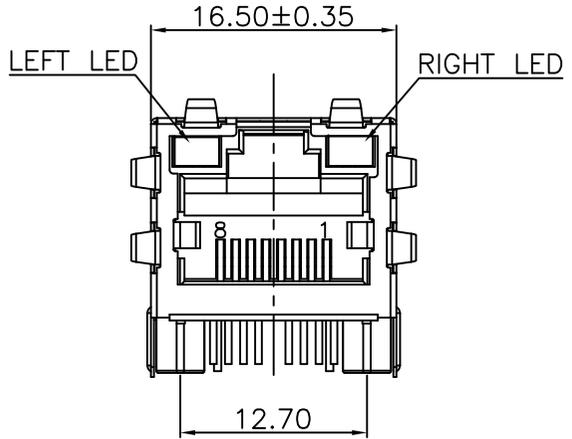


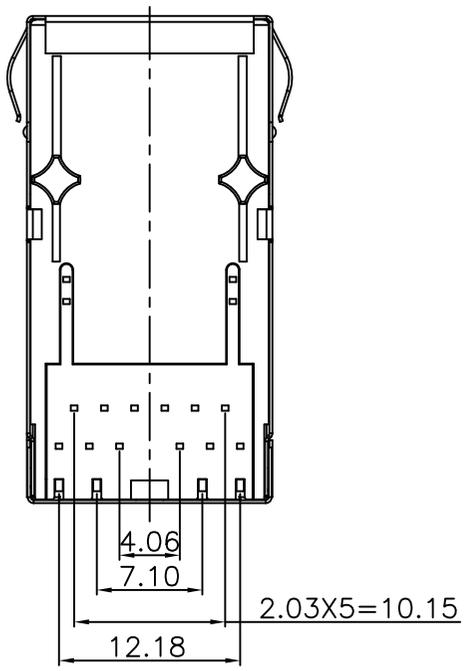
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2022/06/28	Vince
A0.1			Modify Shell Point	2023/08/30	Vince

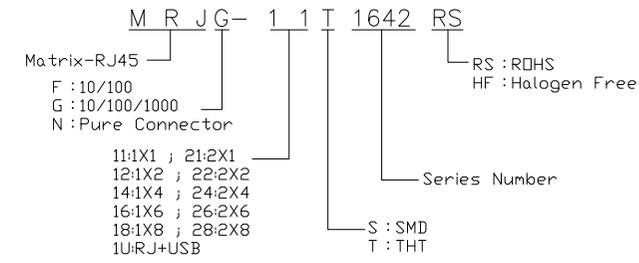
1. MECHANICAL DIMENSIONS :



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



MATRIX PART NO:



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.

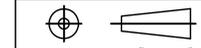
2.Environmental requirements:

- 2.1 Lead-free process,compliant RoHS.



Matrix Electronics Co.,Ltd

TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±1°	DESIGN BY : Vince Chen CHECKED BY: Hanson Huang APPROVED BY1: Richard Hsieh APPROVED BY2: Richard Hsieh	DATE : 2023/08/30 DATE : 2023/08/30 DATE : 2023/08/30 DATE : 2023/08/30	PART NAME: RJ45,CONNECTORS,W/LED, 10/100/1000,FILTER PART NO. MRJG-11T1642RS MOLD NO. NA DRAW NO. SHEET NO. 1 OF 3
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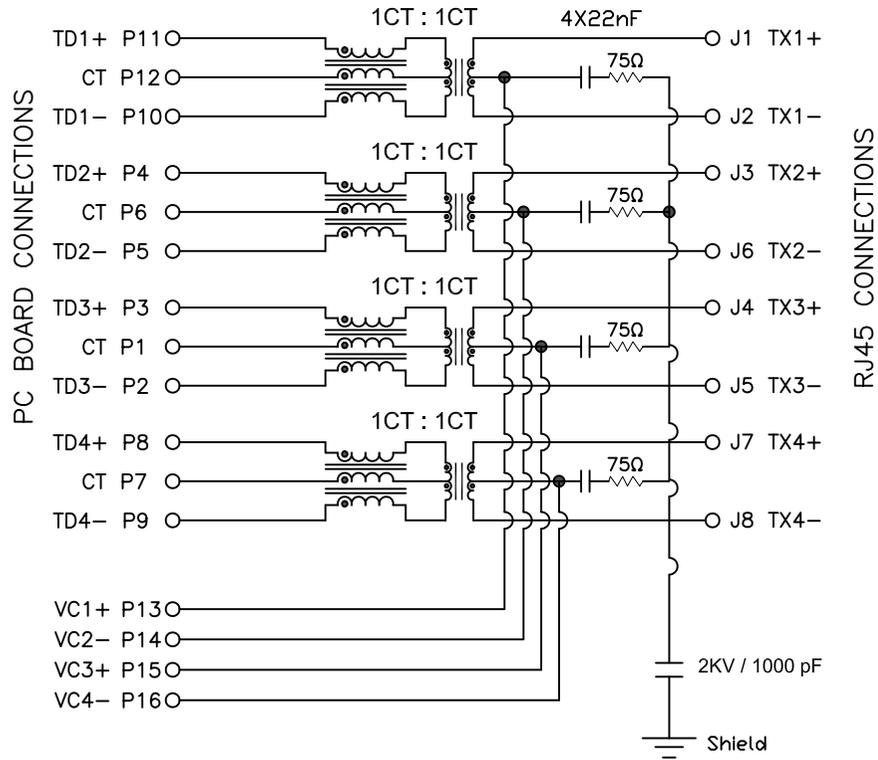
UNIT: mm [inch]

SCALE:1:1 SIZE:A4

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2022/06/28	Vince
A0.1			Modify Shell Point	2023/08/30	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.
- 4.6 DC current: 350mA MAX @57VDC continuous.

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
ORANGE	610	1.8-2.5V



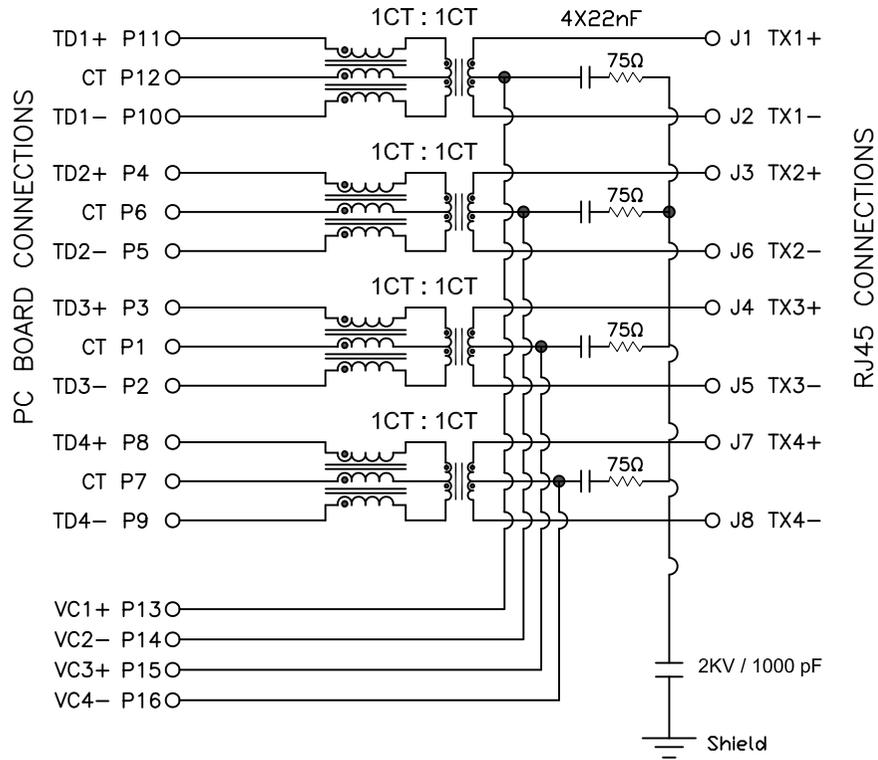
Matrix Electronics Co., Ltd

TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±1°	DESIGN BY : Vince Chen	DATE : 2023/08/30	PART NAME: RJ45,CONNECTORS,W/LED, 10/100/1000,FILTER	
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY: Hanson Huang	DATE : 2023/08/30	PART NO.	MRJG-11T1642RS
	APPROVED BY1: Richard Hsieh	DATE : 2023/08/30	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/08/30	DRAW NO.	
			SHEET NO.	2 OF 3

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
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A0.1			Modify Shell Point	2023/08/30	Vince

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Matrix Electronics Co., Ltd

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	APPROVED BY2: Richard Hsieh	DATE : 2023/08/30	DRAW NO.	
			SHEET NO.	2 OF 3