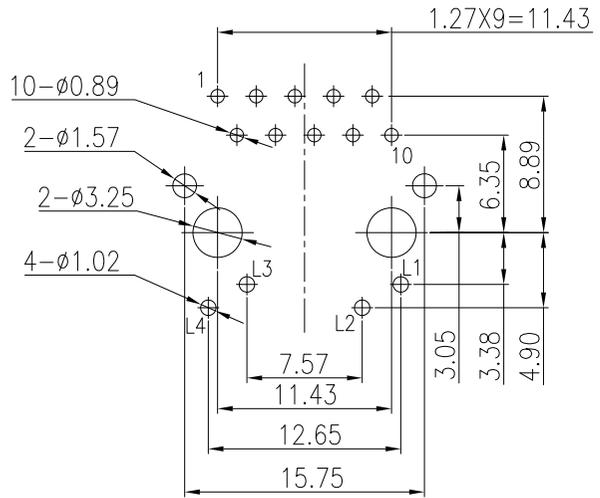
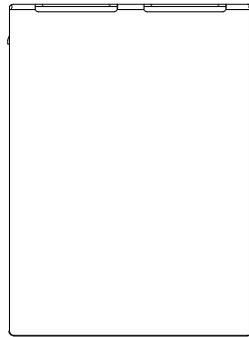
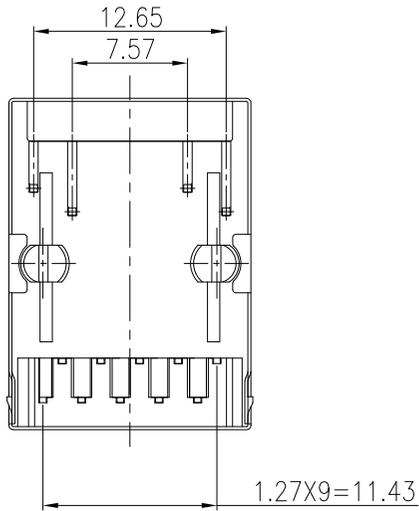
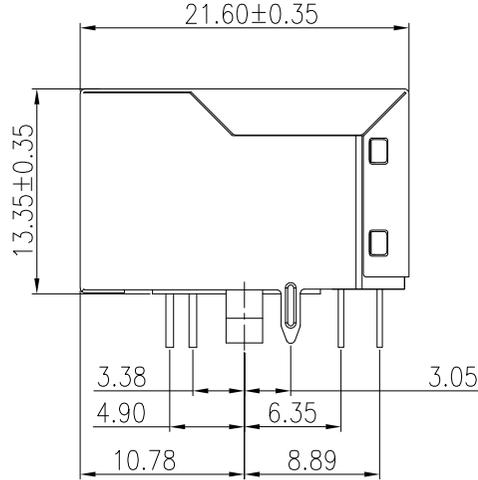
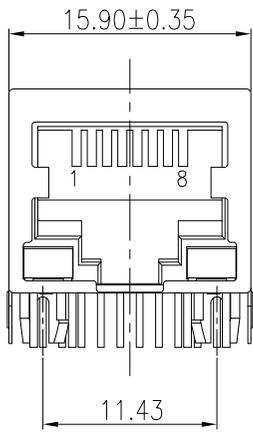


GP Component

1. MECHANICAL DIMENSIONS :



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

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.

ORDER INFORMATION :

M R J G -11 T 1373 RS
 Matrix-RJ45 RS: ROHS
 HF: Halogen Free
 F : 10/100 Series Number
 G : 10/100/1000
 N : Pure Connector
 11:1X1 ; 21:2X1 S: SMD
 12:1X2 ; 22:2X2 T: THT
 14:1X4 ; 24:2X4
 16:1X6 ; 26:2X6
 18:1X8 ; 28:2X8
 1U:RJ+USB

Printing:
 MATRIX
 MRJG-11T1373RS
 YYWW

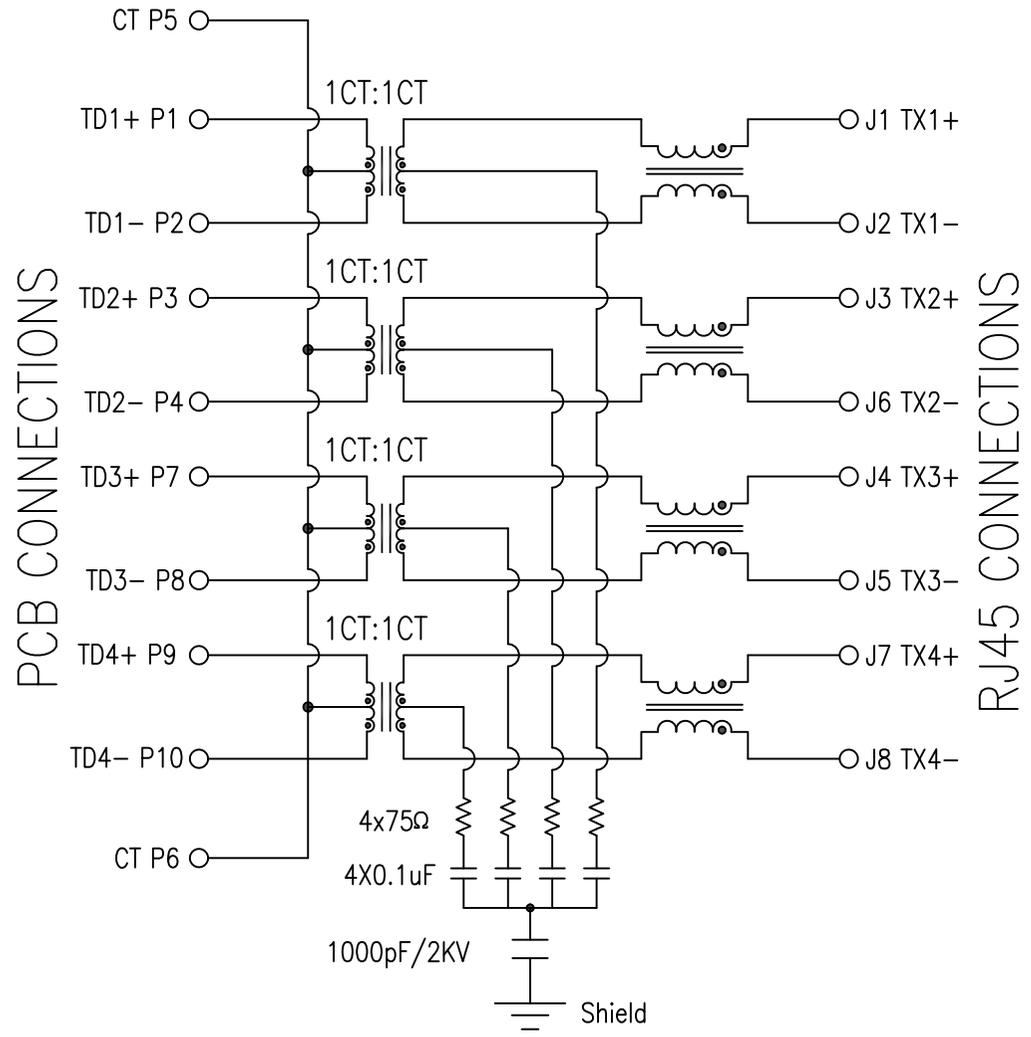
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2021/04/13	Vince
A1			Change LED Color	2022/04/25	Vince

Matrix Electronics Co.,Ltd			
TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3°	DESIGN BY : Vince Chen	DATE : 2022/04/25	PART NAME: RJ45, CONNECTORS, W/LED 10/100/1000Mbps, FILTER
CHECKED BY: Hanson Huang	DATE : 2022/04/25	PART NO. MRJG-11T1373RS	
APPROVED BY1: Richard Hsieh	DATE : 2022/04/25	MOLD NO. NA	
APPROVED BY2: Richard Hsieh	DATE : 2022/04/25	DRAW NO.	
SCALE:1:1	SIZE:A4	SHEET NO. 1 OF 3	

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2021/04/13	Vince
A1			Change LED Color	2022/04/25	Vince

2. SCHEMATIC:

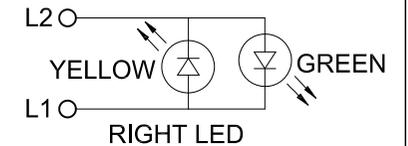
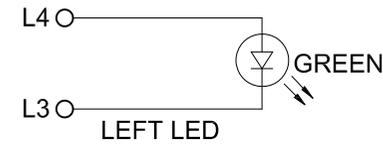


3. Electrical Specification @25°C:

- 3.1 Inductance: 350uH Min With 8mA DC bias.
- 3.2 Hi-Pot Test: Input to Output 2250VDC/1mA.
- 3.3 Insertion loss : 1-100MHZ -1dB max.
- 3.4 Return loss : 1-30MHZ -18dB min.
30-60MHZ -16dB min.
60-80MHZ -12dB min.
80-100MHZ -10dB min.
- 3.5 Common Mode Rejection:1-100MHZ -30dB min.
- 3.6 Cross Talk:1-100MHZ -30dB min.

4. Operating and Storage Temperature:

- 4.1 Operating Temperature : 0°C to +70°C.
 - 4.2 Storage Temperature : -40°C to +85°C.
5. Wave soldering peak temperature:260°C.



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

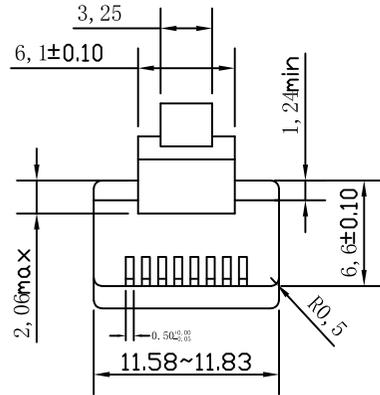


Matrix Electronics Co., Ltd

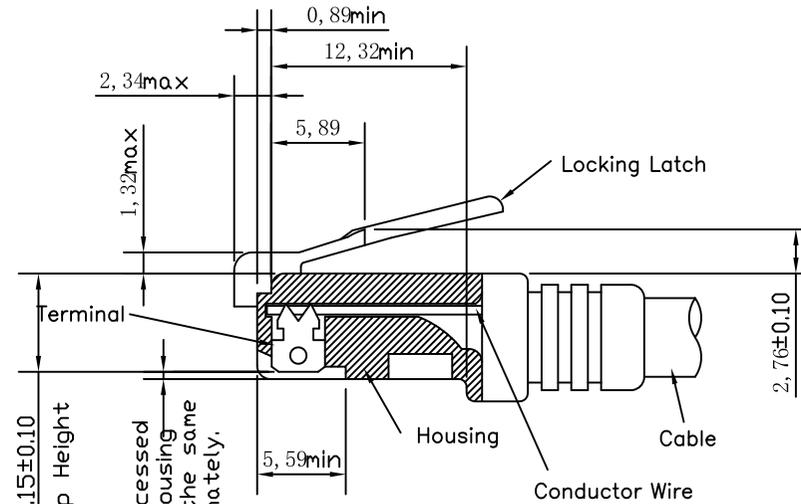
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY : Vince Chen	DATE : 2022/04/25	PART NAME: RJ45, CONNECTORS, W/LED 10/100/1000Mbps, FILTER
	CHECKED BY: Hanson Huang	DATE : 2022/04/25	PART NO. MRJG-11T1373RS
	APPROVED BY1: Richard Hsieh	DATE : 2022/04/25	MOLD NO. NA
UNIT: mm [inch]	APPROVED BY2: Richard Hsieh	DATE : 2022/04/25	DRAW NO.
SCALE:1:1 SIZE:A4			SHEET NO. 2 OF 3

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2021/04/13	Vince
A1			Change LED Color	2022/04/25	Vince



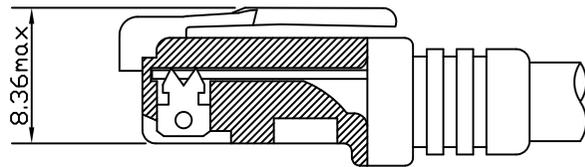
- * There must be no damage to housing or locking latch. There must be no nicks or cuts in cable.
- * Durability : 750 cycles generally



All contacts recessed below top of housing and must be at the same height approximately.

FOLLOW SPECIFICATION : FCC, PART 68, SUBPART F FIGURE 68.500 (C)(2)(i) AND IEC 603-7 FIGURE 23 & 24

STANDARD MODULAR PLUG ASSEMBLY



FOLLOW SPECIFICATION : FCC, PART 68, SUBPART F FIGURE 68.500 (C)(2)(ii)



Matrix Electronics Co., Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY : Vince Chen	DATE : 2022/04/25	PART NAME: RJ45 CONNECTORS, W/LED 10/100/1000Mbps, FILTER
	CHECKED BY: Hanson Huang	DATE : 2022/04/25	PART NO. MRJG-11T1373RS
	APPROVED BY1: Richard Hsieh	DATE : 2022/04/25	MOLD NO. NA
UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY2: Richard Hsieh	DATE : 2022/04/25	DRAW NO. SHEET NO. 3 OF 3