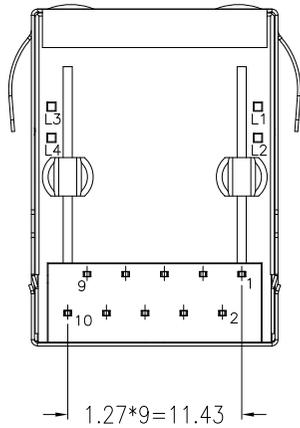
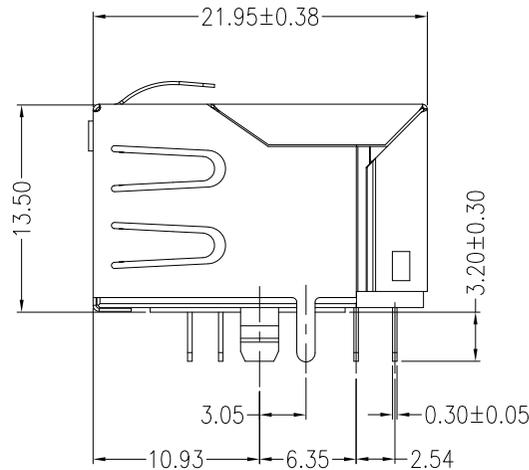
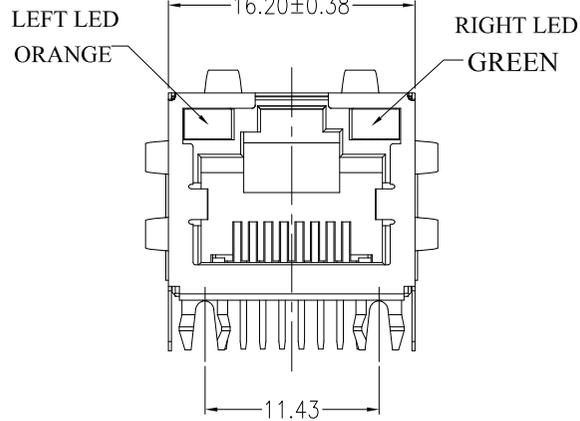
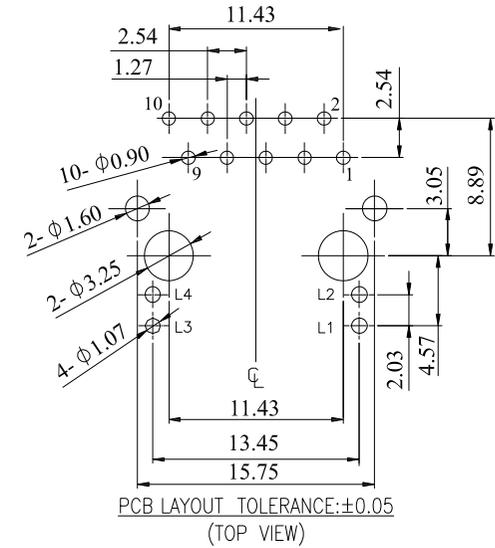


GP Component

1. MECHANICAL DIMENSIONS :



Printing :
 MATRIX
 MRJG-11T1087RS
 YYWW



NOTES:

- MATERIAL:
 HOUSING: PBT, BLACK UL94V-0
 CONTACTS: PHOSPHOR BRONZE T=0.30
 G/F ON CONTACT AREA, TIN PLATING ON SOLERTAIL
 SHIELD: STAINLESS T=0.20, NICKEL PLATING OVERALL
- CAVITY CONFIRMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F.
- OPERATING TEMPERATURE: 0°C ~ +70°C

△ 備註	
1	LED燈罩高度低於≤0.5mm
2	LED燈罩不可下陷(低於外殼)

 Matrix Electronics Co.,Ltd			
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.15 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2021/01/06	PART NAME: RJ45 CONN W/LED 1G Base-T,FILTER
CHECKED BY: Yoyo Yeh	DATE : 2021/01/06	PART NO. MRJG-11T1087RS	
APPROVED BY1: Richard Hsieh	DATE : 2021/01/06	MOLD NO. NA	
APPROVED BY2: Richard Hsieh	DATE : 2021/01/06	DRAW NO. SHEET NO. 1 OF 2	

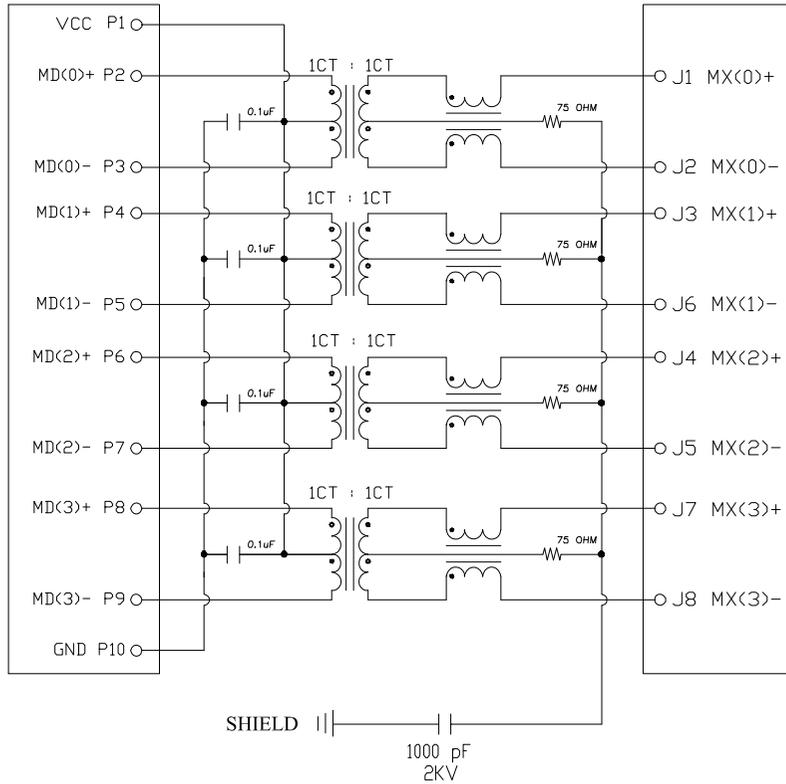
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2018/09/24	Phebe Su
A1			新增備註	2021/01/06	Hanson

2. SCHEMATIC:

CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



MATRIX PART NO:

M R J G - 1 1 T 1087 R S

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

RS : ROHS
HF : Halogen Free

Series Number

S : SMD
T : THT

3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

- TR:(100KHz,0.1V); 100%
PINS:(P2,P3):(J1,J2)=1:1±3%;(P4,P5):(J3,J6)=1:1±3%
PINS:(P6,P7):(J4,J5)=1:1±3%;(P8,P9):(J7,J8)=1:1±3%
- LX:(100KHz,100mV,8mA, DC Bias) 100%
PINS:(P2,P3),(P4,P5)=350uH MINIMUM
PINS:(P6,P7),(P8,P9)=350uH MINIMUM
- DCR: 100%
PINS:(J1,J2),(J3,J6),(J4,J5),(J7,J8)=1.2Ω MAXIMUM
- HIPOT: 100%
PINS(P2,P3)TO(J1,J2)=1500VAC
PINS(P4,P5)TO(J3,J6)=1500VAC
PINS(P6,P7)TO(J4,J5)=1500VAC
PINS(P8,P9)TO(J7,J8)=1500VAC
- INSERTION LOSS:
-1.0dB MAXIMUM AT 1MHz TO 100MHz;
- RETURN LOSS:
-18dB MINIMUM AT 1MHz TO 30MHz;
-16dB MINIMUM AT 30MHz TO 60MHz;
-12dB MINIMUM AT 60MHz TO 80MHz
-10dB MINIMUM AT 80MHz TO 100MHz
- CROSS TALK:
-30dB MINIMUM AT 1MHz TO 100MHz
- COMMON TO COMMON MODE REJECTION:
-30dB MINIMUM AT 1MHz TO 100MHz



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.15 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2021/01/06	PART NAME: RJ45 CONN W/LED 1G Base-T,FILTER
APPROVED BY1: Richard Hsieh	DATE : 2021/01/06	PART NO.	MRJG-11T1087RS
APPROVED BY2: Richard Hsieh	DATE : 2021/01/06	MOLD NO.	NA
UNIT: mm [inch] SCALE:1:1 SIZE:A4		DRAW NO.	
		SHEET NO.	2 OF 2