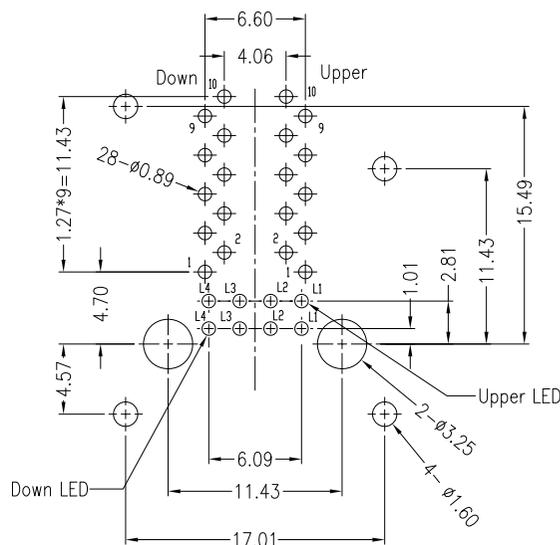
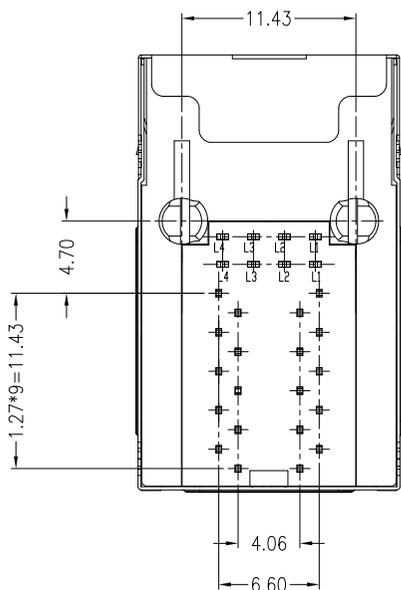
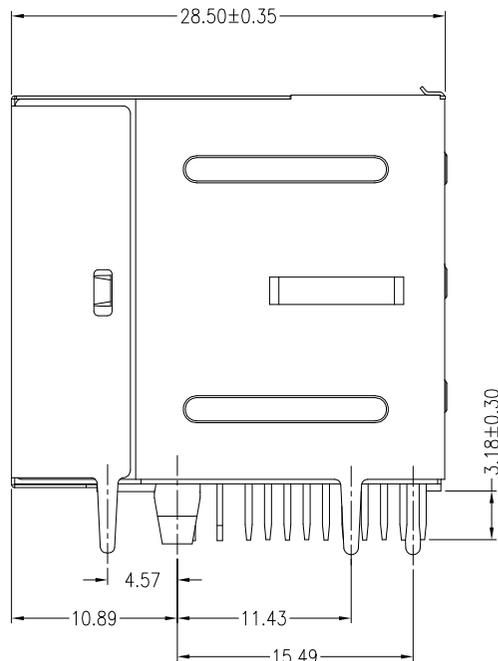
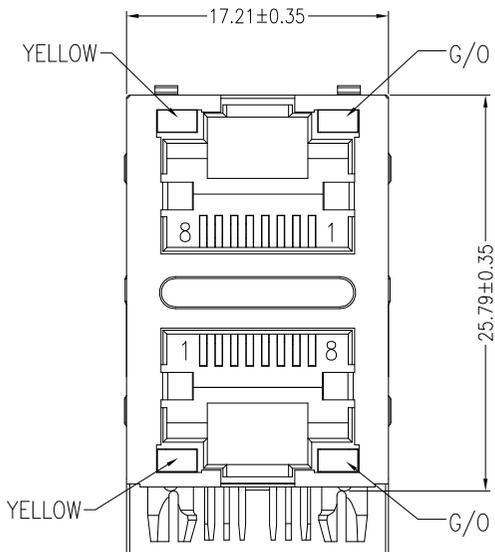


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2019/11/11	Phebe Su

1. MECHANICAL :



RECOMMENED PCB LAYOUT(COMPONENT SIDE)
TOLERANCE ±0.05

NOTES:

1.MATERIAL:

HOUSING: PA66,UL94V-0,COLOR:BLACK;
SHELL: COPPER ALLOY T=0.20mm;
RJ45 TERMINAL: PHOSPHOR BRONZE T=0.30mm
PLATING: G/F PLATED ON CONTACT AREA,
100u" TIN PLATED ON SOLDER AREA,
50u"~80u" NI UNDERPLATED OVERALL;
TAIL TERMINAL: BRASS T=0.40mm
PLATING: 60u"~100u" TIN PLATED OVER,
30u"~50u" NI UNDERPLATED OVERALL.

2.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F

MATRIX PART NO:

Matrix-RJ45

MRJ G - 21 T 1107 RS

RS: ROHS
HF: Halogen Free

Series Number

S: SMD
T: THT

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



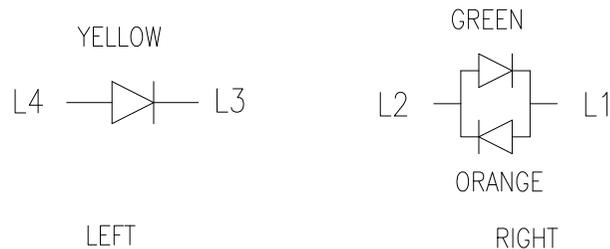
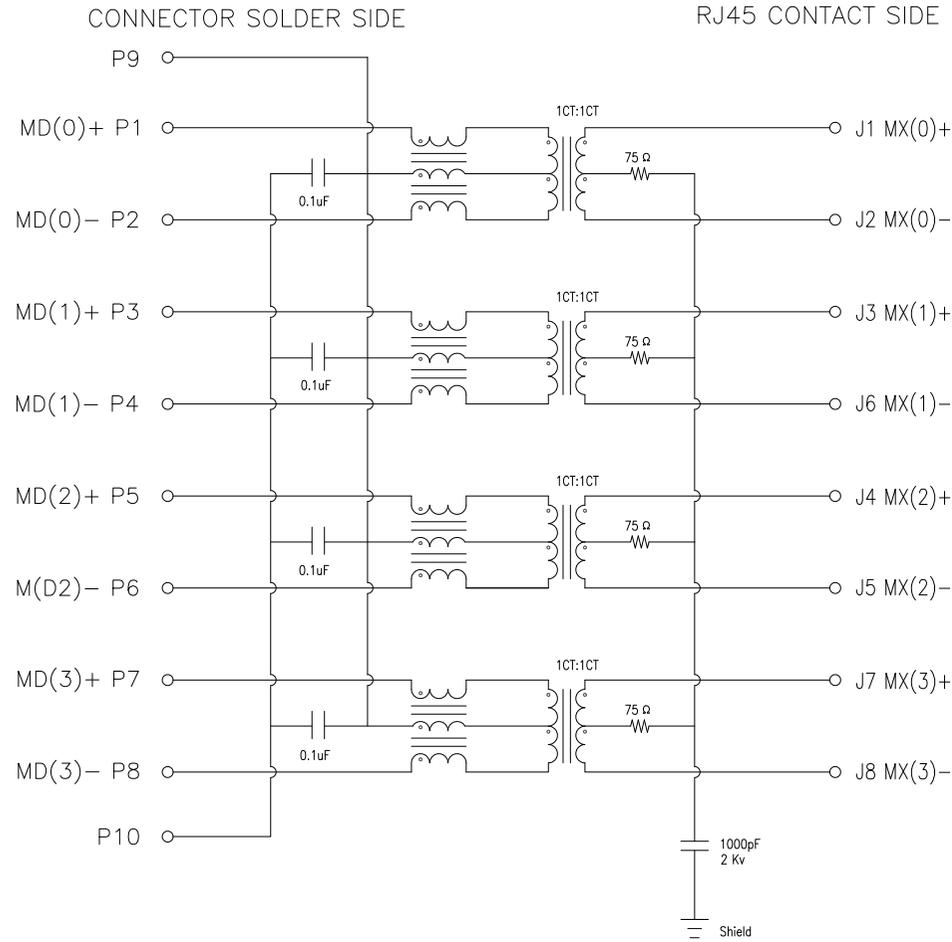
Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Phebe Su	2019/11/11	RJ45 2X1 CONN,W/LED 10/100/1000,FILTER	
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY:	DATE :	PART NO.	MRJG-21T1107RS
	Vicky Hsieh	2019/11/11	MOLD NO.	NA
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY1:	DATE :	DRAW NO.	
	Richard Hsieh	2019/11/11	SHEET NO.	1 OF 2
	APPROVED BY2:	DATE :		
	Richard Hsieh	2019/11/11		

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2019/11/11	Phebe Su

2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS(25±5°C)

- TR:(100KHz,0.1V); 100%
PINS:(P1,P2):(J1,J2)=1:1±3%;(P3,P4):(J3,J6)=1:1±3%
PINS:(P5,P6):(J4,J5)=1:1±3%;(P7,P8):(J7,J8)=1:1±3%
- LX:(100KHz,100mV,8mA, DC Bias) 100%
PINS:(J1,J2),(J3,J6)=350uH MINIMUM
PINS:(J4,J5),(J7,J8)=350uH MINIMUM
- DCR: 100%
PINS:(P1,P2),(P3,P4)=1.2 Ω MAXIMUM
PINS:(P5,P6),(P7,P8)=1.2 Ω MAXIMUM
- HIPOT: 100%
PINS(P1,P2)TO(J1,J2),(P3,P4)TO(J3,J6)=1500VAC FOR 60 SECONDS
PINS(P5,P6)TO(J4,J5),(P7,P8)TO(J7,J8)=1500VAC FOR 60 SECONDS
- 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 ±0.13 ANGLE: ±3°	DESIGN BY : Phebe Su	DATE : 2019/11/11	PART NAME: RJ45 2X1 CONN,W/LED 10/100/1000,FILTER
	CHECKED BY: Vicky Hsieh	DATE : 2019/11/11	
	APPROVED BY1: Richard Hsieh	DATE : 2019/11/11	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2019/11/11	DRAW NO. SHEET NO. 2 OF 2
UNIT: mm [inch]	SCALE:1:1	SIZE:A4	