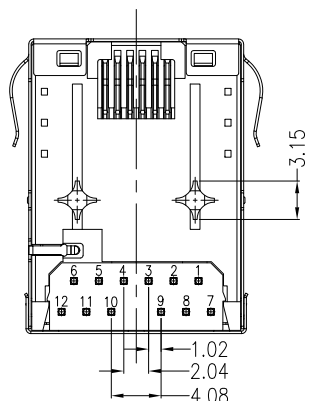
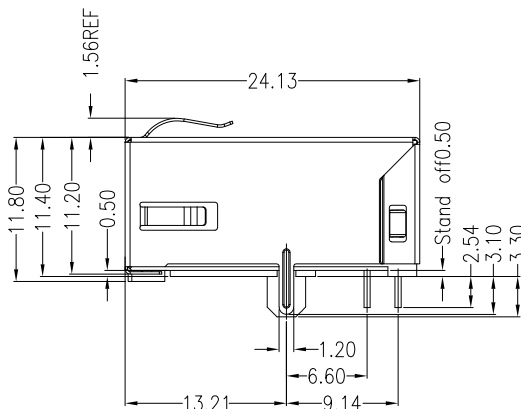
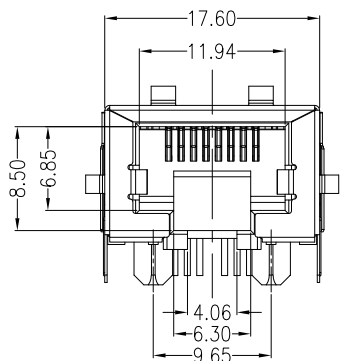
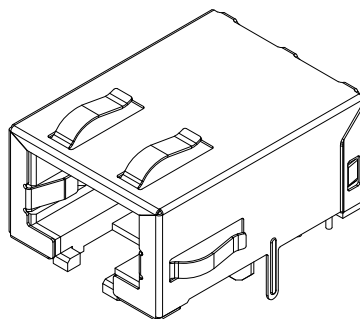
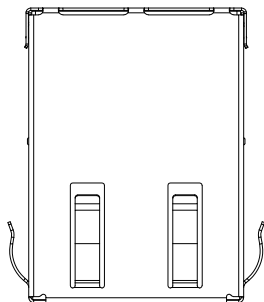
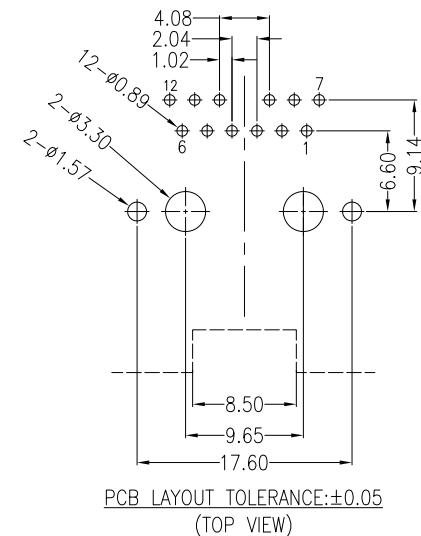


GP Component

1. MECHANICAL DIMENSIONS :



MATRIX
MRJ10G-11T1067RS
YYWW



NOTES:

- 1.MATERIAL:
HOUSING:LCP,BLACK,UL94V-0
CONTACT:PHOSPHOR BRONZE,T=0.30mm.
SHELL:BRASS,T=0.20mm.
- 2.FINISH:
CONTACT:50u"MIN. NICKEL UNDERPLATING ALL AREA,
100u"MIN. TIN ON SOLDER TAILS, GOLD 30u"
PLATING ON CONTACT AREA .
SHELL:30u"MIN. NICKEL PRE-PLATING ALL AREA.
- 3.OPERATING TEMPERATURE:0°C~+70°C.
- 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS
PART 68, SUBPART F



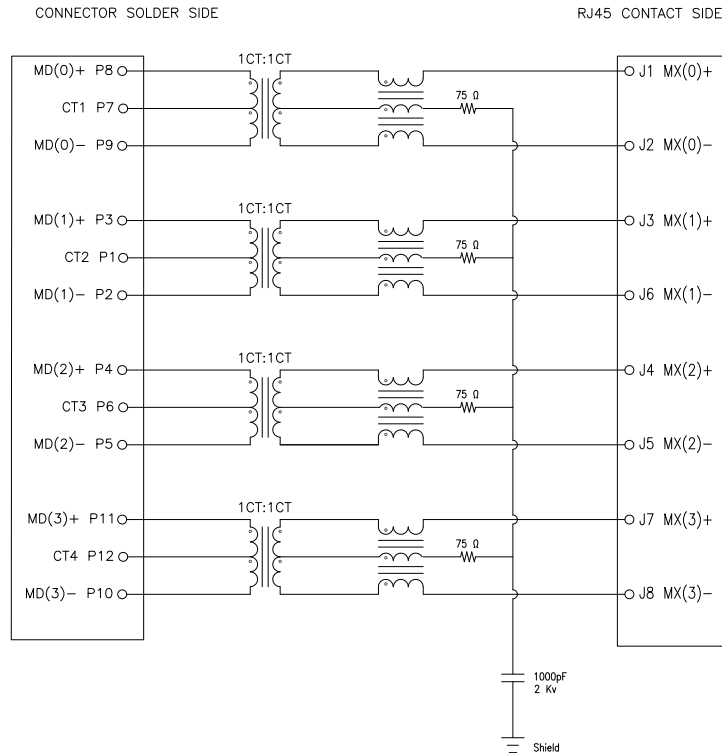
Matrix Electronics Co.,Ltd

TOLERANCE: X:X X:XX X:XXX ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Phebe Su	2019/09/16	RJ45,CONNECTORS,W/O LED 10G Base-T,FILTER	
 UNIT: mm [inch]	CHECKED BY:	DATE :	PART NO.	MRJ10G-11T1067RS
	Yoyo Yeh	2019/09/16	MOLD NO.	NA
 SCALE:1:1 SIZE:A4	APPROVED BY1:	DATE :	DRAW NO.	
	Richard Hsieh	2019/09/16	SHEET NO.	1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2019/09/16	Phebe Su

2. SCHEMATIC:



MATRIX PART NO:

M R J 10G - 1 1 T 1067 R S

Matrix-RJ45

F : 10/100

G : 10/100/1000

10G : 10G

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

Series Number

RS : ROHS

HF : Halogen Free

3. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(0°~70°C)

1. TR:(100KHz,0.1V); 100%

PINS:(P8,P9):(J1,J2)=1:1±3%;(P3,P2):(J3,J6)=1:1±3%

PINS:(P4,P5):(J4,J5)=1:1±3%;(P11,P10):(J7,J8)=1:1±3%

2. LX:(100KHz,100mV,8mA, DC Bias) 100%

PINS:(P8,P9),(P3,P2)=160uH MINIMUM

PINS:(P4,P5),(P11,P10)=160uH MINIMUM

3. DCR: 100%

PINS:(J1,J2),(J3,J6)=1.2 Ω MAXIMUM

PINS:(J4,J5),(J7,J8)=1.2 Ω MAXIMUM

4. HIPOT: 100%

PINS(P8,P9)TO(J1,J2),(P3,P2)TO(J3,J6)=1500VAC FOR 60 SECONDS

PINS(P4,P5)TO(J1,J2),(P11,P10)TO(J3,J6)=1500VAC FOR 60 SECONDS

5. INSERTION LOSS:

-1.0dB MAXIMUM AT 1MHz TO 100MHz;

-1.2dB MAXIMUM AT 100MHz TO 200MHz;

-2.0dB MAXIMUM AT 200MHz TO 400MHz;

-3.0dB MAXIMUM AT 400MHz TO 500MHz;

6. RETURN LOSS:

-22dB MINIMUM AT 1MHz TO 100MHz;

-22+18.27*log(Freq MHZ/100MHZ)dB MINIMUM AT 100MHz TO 500MHz

7. CROSS TALK:

-28dB MINIMUM AT 1MHz TO 100MHz

-19dB MINIMUM AT 100MHz TO 500MHz

8. COMMON TO COMMON MODE REJECTION:

-30dB MINIMUM AT 1MHz TO 500MHz

9. CM TO DM CONVERSION:

-30dB MINIMUM AT 1MHz TO 500MHz



Matrix Electronics Co.,Ltd

TOLERANCE: X:X X:XX ±0.38 X:XXX ±0.25 X:XXX ±0.13 ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Phebe Su	2019/09/16	RJ45,CONNECTORS,W/O LED	
 UNIT: mm [inch]	CHECKED BY:	DATE :	PART NO.	MRJ10G-11T1067RS
	Yoyo Yeh	2019/09/16		
 SCALE:1:1	APPROVED BY1:	DATE :	MOLD NO.	NA
	Richard Hsieh	2019/09/16		
 SIZE:A4	APPROVED BY2:	DATE :	DRAW NO.	
	Richard Hsieh	2019/09/16	SHEET NO.	2 OF 2