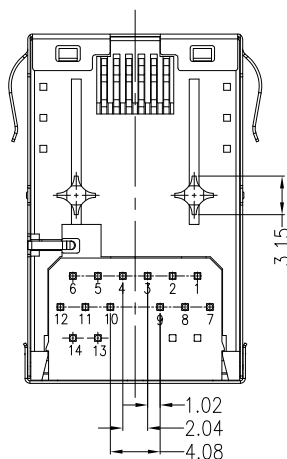
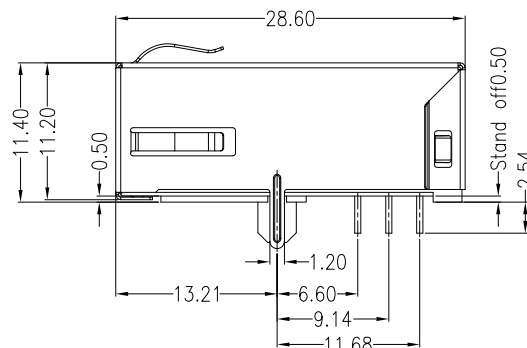
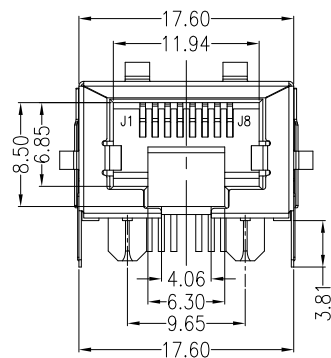
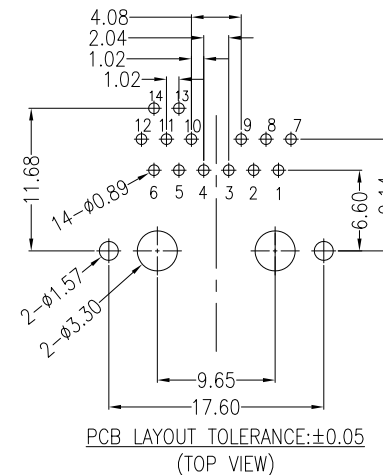
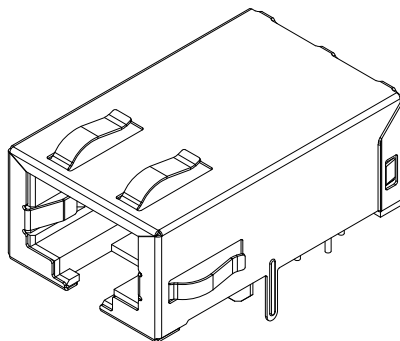
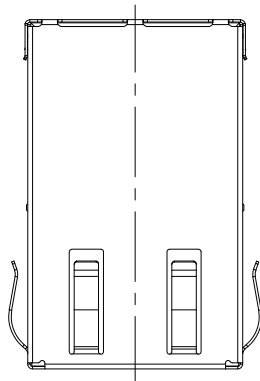


GP Component

1. MECHANICAL DIMENSIONS :



MATRIX
MRJ10G-11T963RS
YYWW

噴印內容

NOTES:

1.MATERIAL:

HOUSING:LCP,BLACK,UL 94V-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 SOLDERTAILS, 30u' MIN GOLD PLATING
ON CONTACT AREA .

SHELL:30u"MIN. NICKEL PRE-PLATING ALL AREA.

3.OPERATING TEMPERTURE:0°C~+70°C.

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



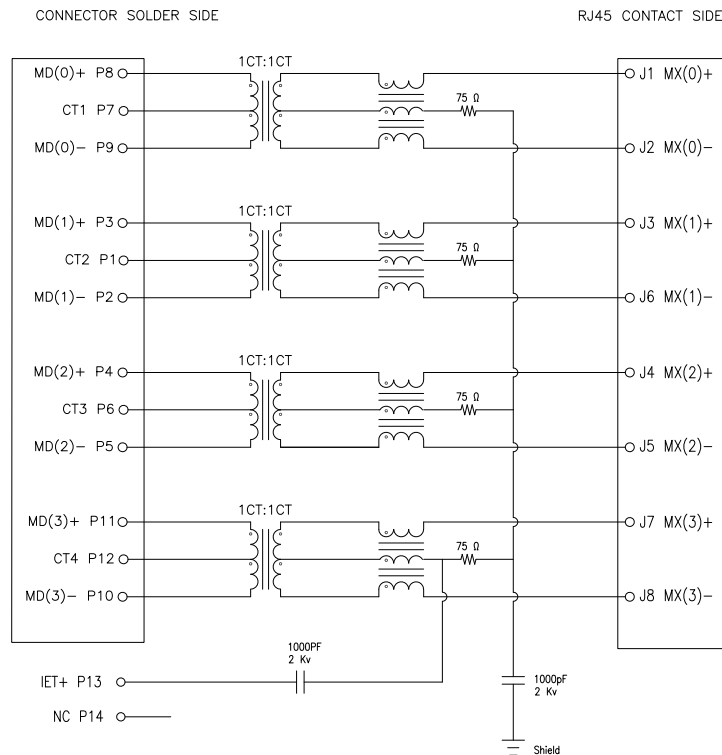
Matrix Electronics Co.,Ltd

TOLERANCE: X:X X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3°	DESIGN BY : Phebe Su	DATE : 2018/12/19	PART NAME: RJ45,CONNECTORS,W/O LED 10G Base-T,FILTER	
	CHECKED BY: Vicky Hsieh	DATE : 2018/12/19	PART NO.	MRJ10G-11T963RS
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2018/12/19	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2018/12/19	DRAW NO.	
			SHEET NO.	1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/12/06	Phebe Su
A1			Change	2018/12/19	Phebe Su

2. SCHEMATIC:



MATRIX PART NO:

M R J 10G - 1 1 T 963 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

RS : ROHS
HF : Halogen Free

Series Number

3. ELECTRICAL CHARACTERISTICS :

- 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%
- LX:(100KHz,100mV,8mA, DC Bias) 100%
PINS:(P8,P9),(P3,P2)=160uH MINIMUM
PINS:(P4,P5),(P11,P10)=160uH MINIMUM
- DCR: 100%
PINS:(J1,J2),(J3,J6)=1.2 Ω MAXIMUM
PINS:(J4,J5),(J7,J8)=1.2 Ω MAXIMUM
- 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
- INSERTION LOSS:
-0.7dB MAXIMUM AT 1MHz TO 200MHz;
-1.4dB MAXIMUM AT 200MHz TO 400MHz;
- RETURN LOSS:
-20dB MINIMUM AT 1MHz TO 100MHz;
-20+18.27*log(Freq MHZ/100MHZ)dB MINIMUM AT 100MHz TO 500MHz
- CROSS TALK:
-28dB MINIMUM AT 1MHz TO 100MHz
-19dB MINIMUM AT 100MHz TO 500MHz
- COMMON TO COMMON MODE REJECTION:
-30dB MINIMUM AT 1MHz TO 40MHz
-28dB MINIMUM AT 40MHz TO 100MHz
-26dB MINIMUM AT 100MHz TO 500MHz
- CM TO DM CONVERSION:
-30dB MINIMUM AT 1MHz TO 250MHz
-22dB MINIMUM AT 250MHz TO 500MHz



Matrix Electronics Co.,Ltd

TOLERANCE: X:X X:XX ±0.38 X:XXX ±0.25 ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Phebe Su	2018/12/19	RJ45,CONNECTORS,W/O LED 10G Base-T,FILTER	
 UNIT: mm [inch]	CHECKED BY:	DATE :	PART NO.	MRJ10G-11T963RS
	Vicky Hsieh	2018/12/19	MOLD NO.	NA
 SCALE:1:1	APPROVED BY1:	DATE :	DRAW NO.	
	Richard Hsieh	2018/12/19	SHEET NO.	2 OF 2
 SIZE:A4		DATE :		
		2018/12/19		