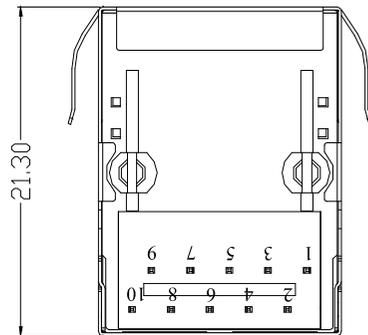
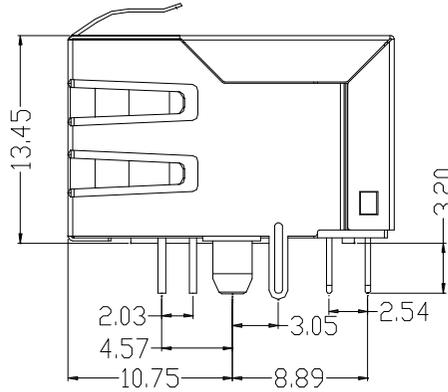
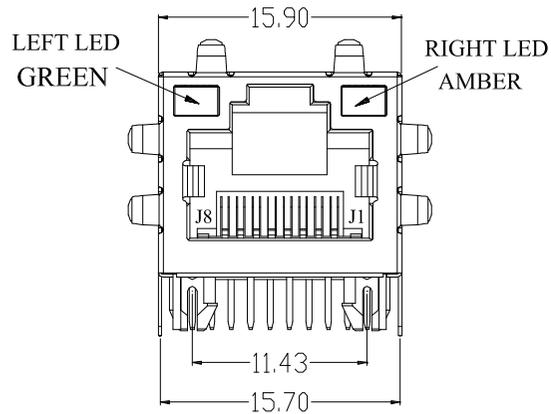
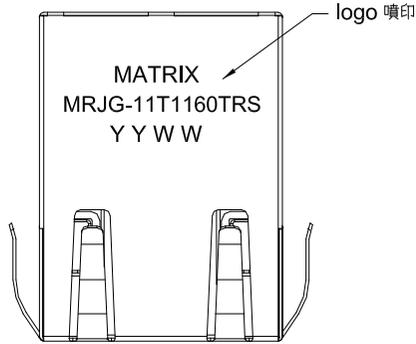


REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/03/26	Hanson

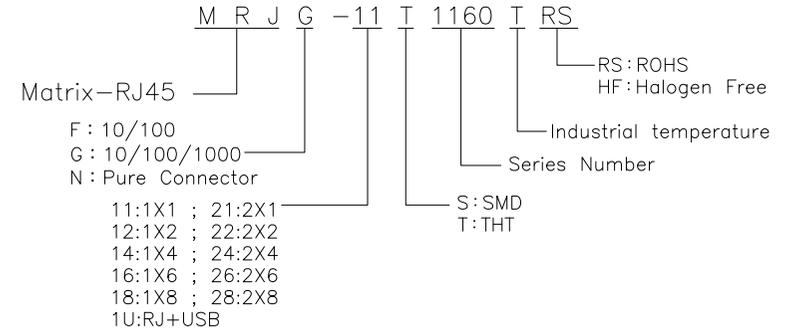
1. MECHANICAL DIMENSIONS :



NOTES:

- . Housing: Thermoplastic PBT+30%GF UL94V0 rated
- . Contact :Phosphor Bronze(C5191),Gold plated on contact area 6u"
- . Input Terminal : Brass
- . Operating temperature: -40 °C to +85 °C
- . Storage temperature: -40 °C to +85 °C
- . Lead-free process,compliant RoHS

ORDER INFORMATION :

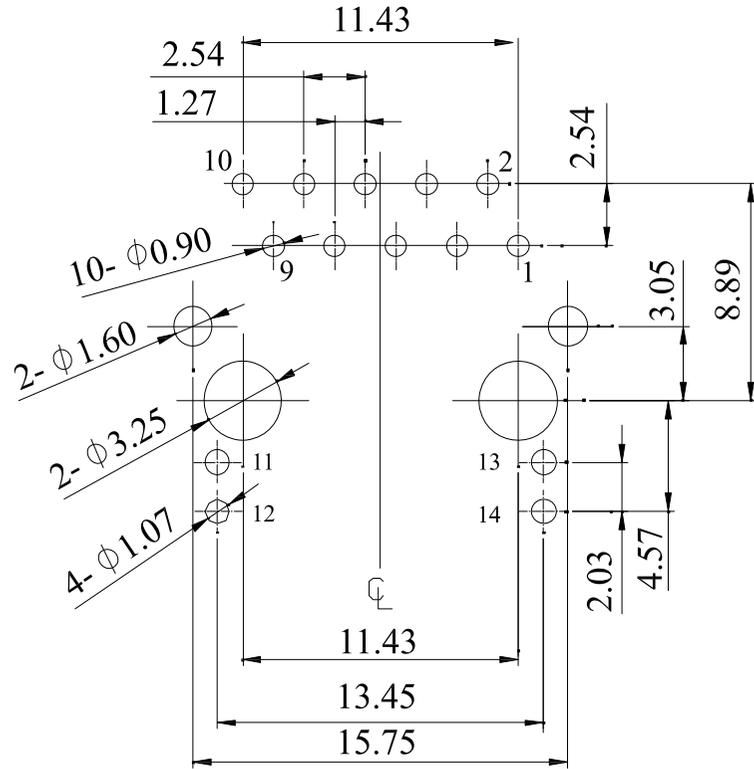


Matrix Electronics Co.,Ltd

TOLERANCE: X: X X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2019/03/26	PART NAME: RJ45 CONN.W/LED,10P,8C 100/1000Mbps,FILTER
	CHECKED BY: Sam Kuo	DATE : 2019/03/26	PART NO. MRJG-11T1160TRS
UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2019/03/26	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2019/03/26	DRAW NO. SHEET NO. 1 OF 4

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/03/26	Hanson

2. PCB LAYOUT :



SUGGESTED PCB LA YOUT (TOP VIEW)

DIMENSIONAL TOLERANCE: .XX ±0.05[0.001]

3. LED CONFIGURATION :



LED Specifications:

Standard LED Color	LED Wavelength	Forward (V Max)	Typical (V TYP)
Green	560-580 nm	2.5	2.1~2.2
AMBER	590-610 nm	2.5	2.1~2.2

- LED intensity/wavelength measured with Photo research PR-650 colormeter
- With a forward Current of 20mA, absolute maximum ratings (Ta=25°)

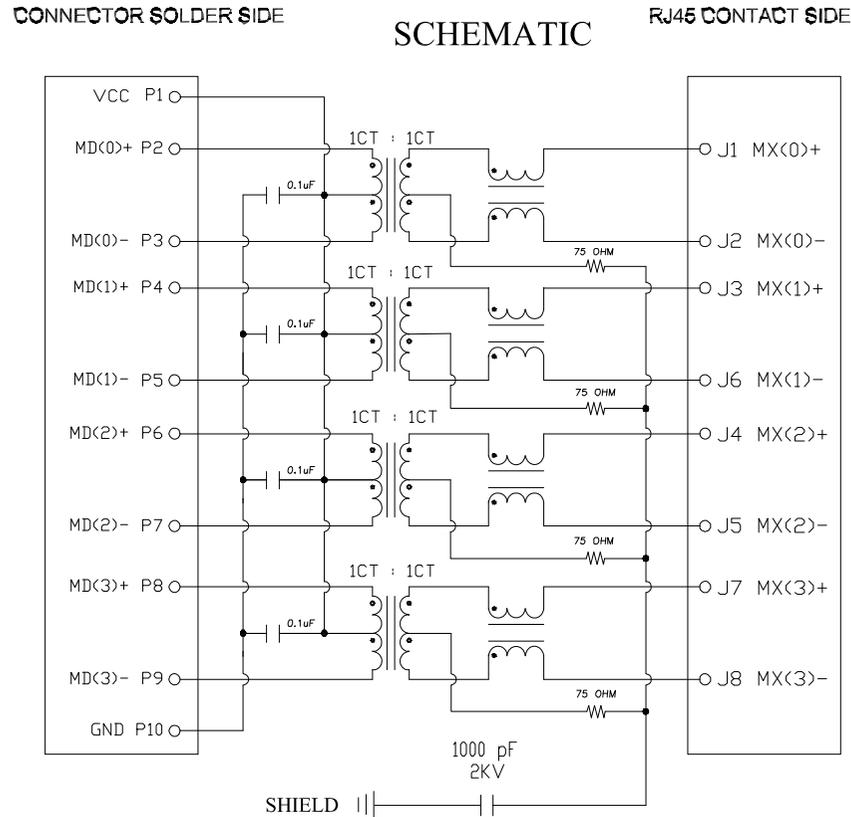


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TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Hanson Huang	2019/03/26	RJ45 CONN.W/LED,10P,8C 100/1000MBPS,FILTER	
	CHECKED BY:	DATE :	PART NO.	MRJG-11T1160TRS
	Sam Kuo	2019/03/26	MOLD NO.	NA
UNIT: mm [inch]	APPROVED BY1:	DATE :	DRAW NO.	
SCALE:1:1 SIZE:A4	Richard Hsieh	2019/03/26	SHEET NO.	2 OF 4

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/03/26	Hanson

4. SCHEMATIC:



5. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

- TR:(100KHz,0.1V);
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)
PINS:(P2,P3),(P4,P5)=350uH MINIMUM
PINS:(P6,P7),(P8,P9)=350uH MINIMUM
- DCR:
PINS:(J1,J2),(J3,J6)=1.2Ω MAXIMUM
PINS:(J4,J5),(J7,J8)=1.2Ω MAXIMUM
- HIPOT:
PINS(P2,P3)TO(J1,J2),(P4,P5)TO(J3,J6)=1500VAC FOR 2 SECONDS
PINS(P6,P7)TO(J4,J5),(P8,P9)TO(J7,J8)=1500VAC FOR 2 SECONDS
- INSERTION LOSS:
-1.0dB MAXIMUM AT 1MHz TO 100MHz;
- RETURN LOSS:
-18dB MINIMUM AT 1MHz TO 30MHz;
-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
-20dB MINIMUM AT 150MHz

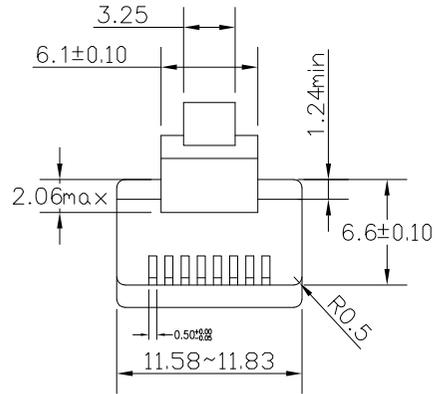


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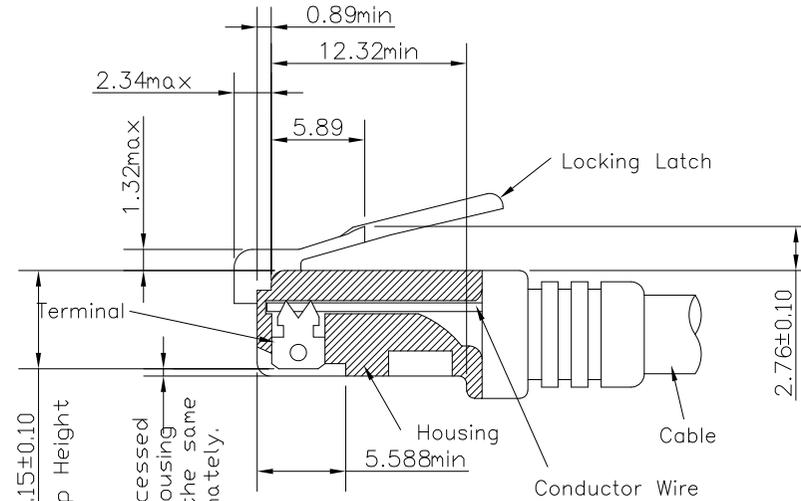
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY :	DATE :	PART NAME:	
	Hanson Huang	2019/03/26	RJ45 CONN.W/LED,10P,8C 100/1000Mbps,FILTER	
UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY:	DATE :	PART NO.	MRJG-11T1160TRS
	Sam Kuo	2019/03/26	MOLD NO.	NA
	APPROVED BY1:	DATE :	DRAW NO.	
	Richard Hsieh	2019/03/26	SHEET NO.	3 OF 4
	APPROVED BY2:	DATE :		
	Richard Hsieh	2019/03/26		

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/03/26	Hanson



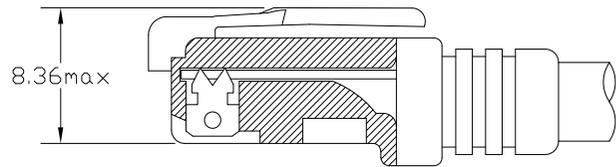
- * There must be no damage to housing or locking latch. There must be no nicks or cuts in cable.
- * Durability : 750 cycles generally



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

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 UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2019/03/26	MOLD NO.	NA
	SCALE:1:1	APPROVED BY2: Richard Hsieh	DATE : 2019/03/26	DRAW NO.
SIZE:A4			SHEET NO.	4 OF 4