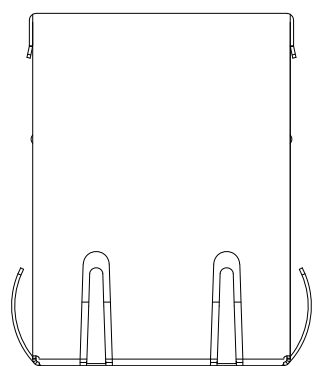


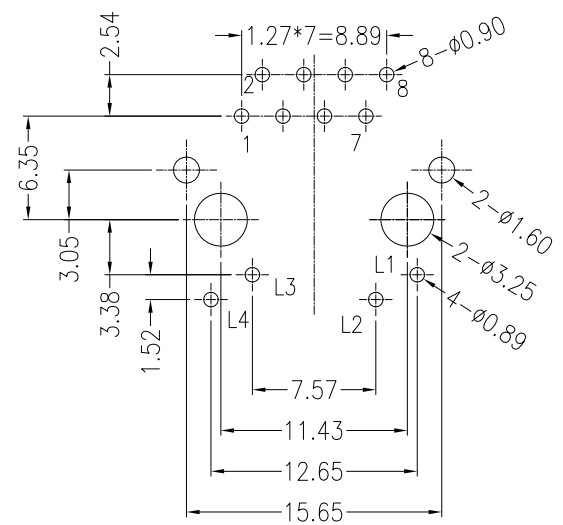
GP Component

1. MECHANICAL DIMENSIONS:

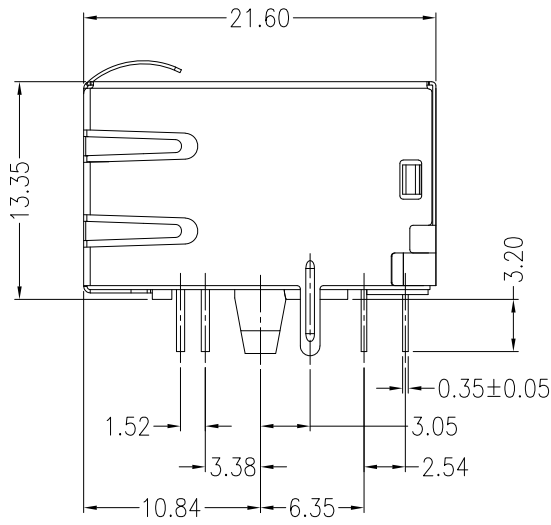
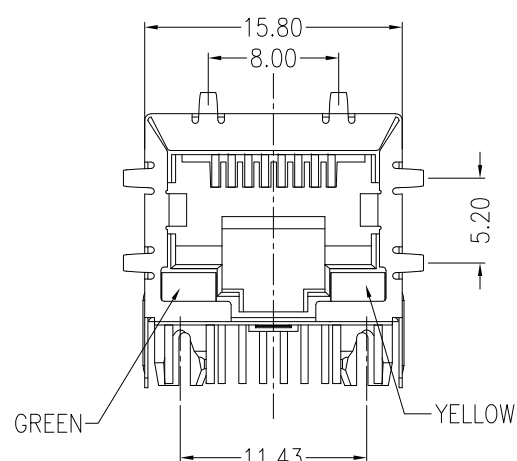
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/01/25	Phebe Su
A1			Correct LED polarity	2019/01/25	Phebe Su



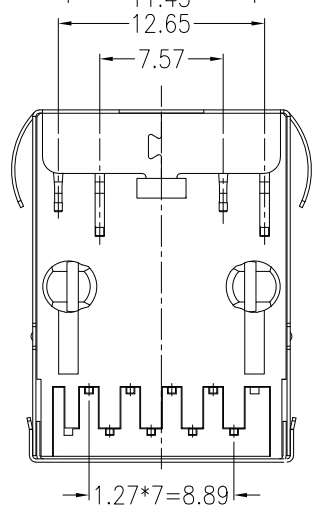
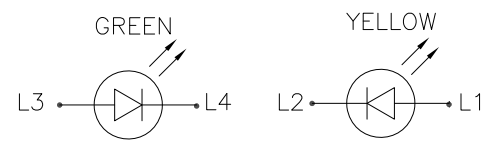
Printing:
MATRIX
MRJF-11T984TRS
YYWW


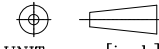


RECOMMEND PCB LAYOUT
(TOP VIEW)
DIMENSIONAL TOLERANCE: ±0.05



- NOTES:
- MATERIAL:
HOUSING: PBT BLACK UL94V-0
CONTACTS: PHOSPHOR BRONZE T=0.35, GOLD 6u" ON CONTACT AREA, TIN PLATING ON SOLERTAIL
SHIELD: STAINLESS T=0.20
NICKEL PLATING OVERALL
 - OPERATING TEMPERATURE: -40°C~+85°C
 - CAVITY CONFIRMS TO FCC RULES AND REGULATIONS PART 68,SUBPART F.



 Matrix Electronics Co.,Ltd			
TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3°	DESIGN BY : Phebe Su	DATE : 2019/01/25	PART NAME: RJ45,CONNECTORS,W/LED 10/100Mbps,FILTER
 UNIT: mm [inch]	CHECKED BY: Ray Hsieh	DATE : 2019/01/25	PART NO. MRJF-11T984TRS
SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2019/01/25	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2019/01/25	DRAW NO. SHEET NO. 1 OF 3

GP Component

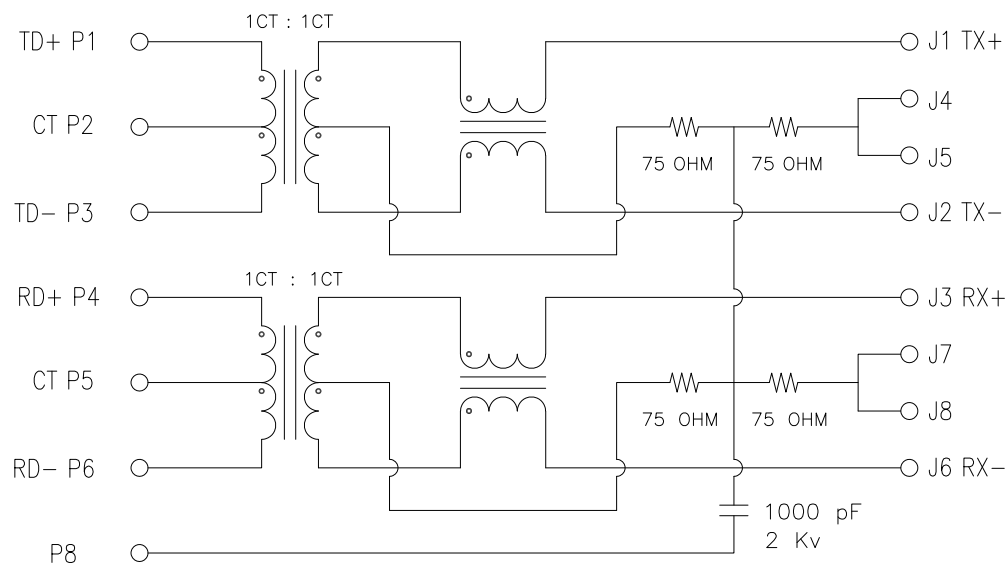
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/01/25	Phebe Su
A1			Correct LED polarity	2019/01/25	Phebe Su

2. SCHEMATIC:

3. ELECTRICAL CHARACTERISTICS:

CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



- TR:(100KHz,0.1V); 100%
PINS:(P1,P3):(J1,J2)=1:1±3%;(P4,P6):(J3,J6)=1:1±3%
- LX:(100KHz,100mV,8mA, DC Bias) 100%
PINS:(P1,P3),(P4,P6)=350uH MINIMUM
- DCR: 100%
PINS:(J1,J2),(J4,J6)=1.2 Ω MAXIMUM
- HIPOT: 100%
PINS(P1,P3)TO(J1,J2),(P4,P6)TO(J3,J6)=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
- CROSS TALK:
-30dB MINIMUM AT 1MHz TO 100MHz
- COMMON TO COMMON MODE REJECTION:
-30dB MINIMUM AT 1MHz TO 100MHz

MATRIX PART NO:

M R JF - 1 1 T 984 T R S

Matrix-RJ45
F : 10/100
G : 10/100/1000
N : Pure Connector
RS : ROHS
HF : Halogen Free
Industrial temperature
Series Number

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

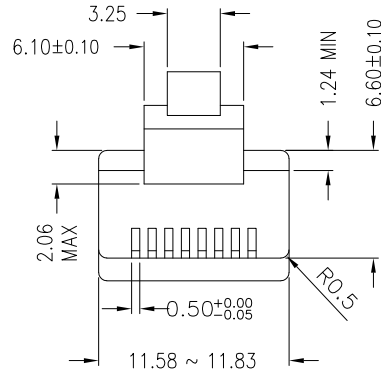


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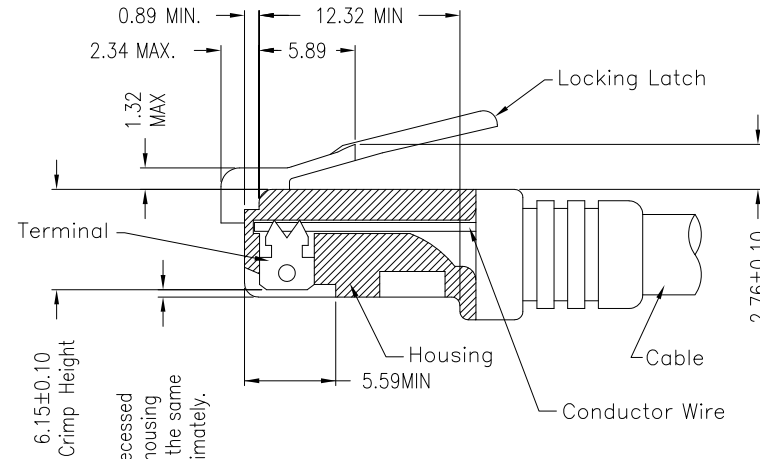
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY : Phebe Su	DATE : 2019/01/25	PART NAME: RJ45,CONNECTORS,W/LED 10/100MBPS,FILTER
	CHECKED BY: Ray Hsieh	DATE : 2019/01/25	PART NO. MRJF-11T984TRS
	APPROVED BY1: Richard Hsieh	DATE : 2019/01/25	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2019/01/25	DRAW NO.
UNIT:mm [inch] SCALE:1:1 SIZE:A4			SHEET NO. 2 OF 3

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/01/25	Phebe Su
A1			Correct LED polarity	2019/01/25	Phebe Su



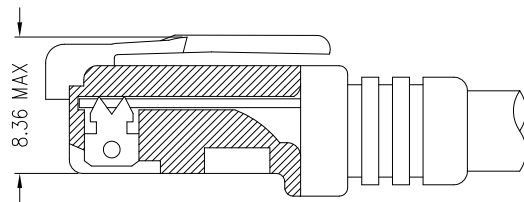
- * There must be no damage to housing or locking latch. There must be no nicks or cuts in cable.
- * Durability : 750 cycles generally



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)



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TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3°	DESIGN BY : Phebe Su	DATE : 2019/01/25	PART NAME: RJ45,CONNECTORS,W/LED 10/100MBPS,FILTER
	CHECKED BY: Ray Hsieh	DATE : 2019/01/25	PART NO. MRJF-11T984TRS
 UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2019/01/25	MOLD NO. NA
	SCALE:1:1	APPROVED BY2: Richard Hsieh	DATE : 2019/01/25
SIZE:A4			DRAW NO. SHEET NO. 3 OF 3