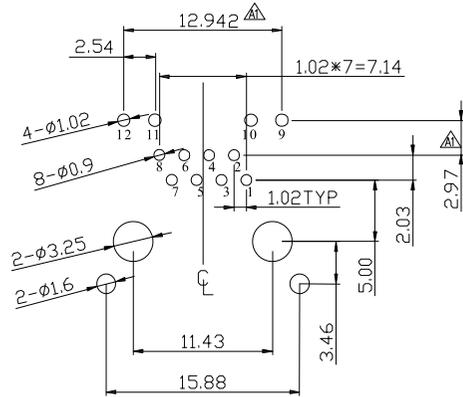
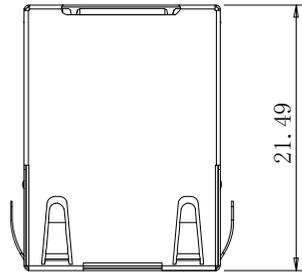
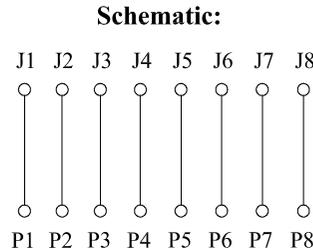


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/11/19	Ginny Liao
A1			Change Dimension	2020/11/23	Ginny Liao
A2/A3			Change Led	2020/11/27	Ginny Liao



SUGGESTED PCB LAYOUT (TOP VIEW)
DIMENSIONAL TOLERANCE: .XX ±0.05



NOTES:

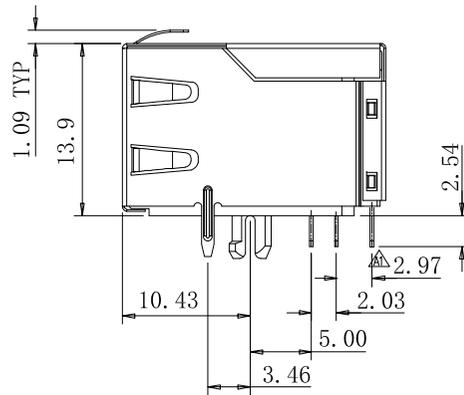
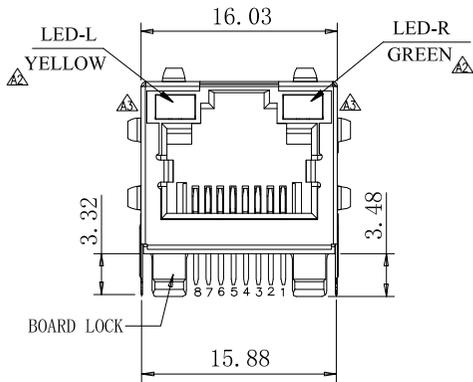
- ELECTRICAL:**
1. VOLTAGE RATING: 125VAC.
 2. CURRENT RATING: 1.25 AMP.
 3. INSULATION RESISTANCE: 500 MEGAOHMS MIN.
 4. DIELECTRIC STRENGTH: 1000V AC RMS 60Hz, 1 MIN.
 5. CATEGORY 6A CHARACTERISTIC:

FREQUENCY MHz	NEAR-END CROSS TALK dB, Min.	RETURN LOSS dB, Min.	INSERTION LOSS dB, Max.
1.0	75.0	30.0	0.10
4.0	75.0	30.0	0.10
8.0	75.0	30.0	0.10
10.0	74.0	30.0	0.10
16.0	69.9	30.0	0.10
20.0	68.0	30.0	0.10
25.0	66.0	30.0	0.10
31.25	64.1	30.0	0.11
62.5	58.1	30.0	0.16
100.0	54.0	28.0	0.20
200.0	48.0	22.0	0.28
250.0	46.0	20.0	0.32
300.0	42.9	18.5	0.35
400.0	37.9	16.0	0.40
500.0	34.0	14.0	0.45

- MECHANICAL:**
1. HOUSING: PBT+30%GF UL94V-0,PANTONE:YELLOW(114C)
 2. SHIELD: COPPER ALLOY WITH NICKEL PLATED(C2680), THICKNESS=0.20mm NI 30u" MIN
 3. CONTACT: PHOSPHOR BRONZE C5210-H,THICKNESS=0.35mm PLATED NICKEL 30u" MIN, GOLD PLATED ON CONTACT AREA 30u" . 100u" MATTE TIN PLATING ON CONTACT SOLDER TAIL

- ENVIRONMENTAL:**
1. STORAGE: -40°~+85°
 2. OPERATION: -40°~+85°

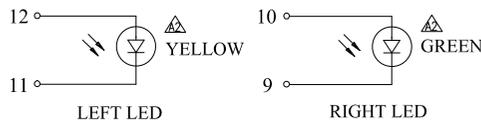
MATES WITH MODULAR PLUG CONFORMING TO TIA-1096 STANDARD.
RECOMMENDED SOLDER PROCESS: WAVE SOLDER,PEAK TEMPERATURE 260° FOR 10SECOND.



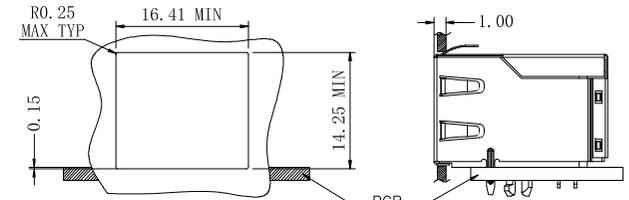
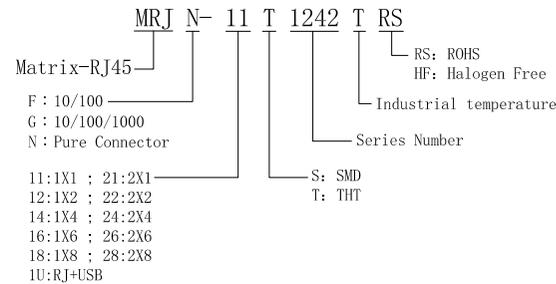
LED Specifications:

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

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



MATRIX PART NO:



RECOMMENDED PANEL CUTOUT



Matrix Electronics Co., Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.15 ANGLE: ±2°	DESIGN BY : Ginny Liao	DATE : 2020/11/27	PART NAME: RJ45 1*1 CONNNECTOR W/LED, 8P8C , CAT-6A	
UNIT: mm [inch]	CHECKED BY: Vicky Hsieh	DATE : 2020/11/27	PART NO.	MRJN-11T1242TRS
SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2020/11/27	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2020/11/27	DRAW NO.	
			SHEET NO.	1 OF 1