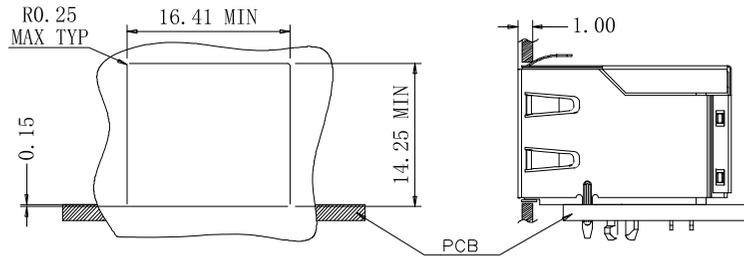
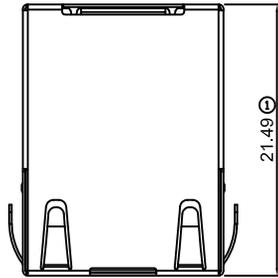


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2019/09/14	Ginny Liao
A1			Modify Shell	2022/03/30	Vince
A1.1			Modify PCB LAYOUT	2022/08/25	Vince

Mechanical:

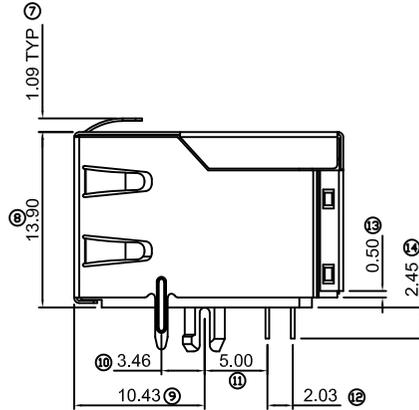
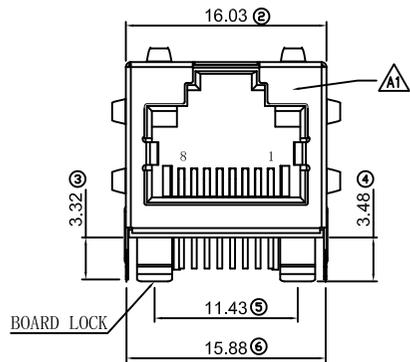


RECOMMENDED PANEL CUTOUT

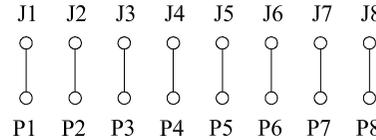
NOTES:

- ELECTRICAL:**
- VOLTAGE RATING: 125VAC.
 - CURRENT RATING: 1.25 AMP.
 - INSULATION RESISTANCE: 500 MEGAOHMS MIN.
 - DIELECTRIC STRENGTH: 1000V AC RMS 60Hz, 1 MIN.
 - 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



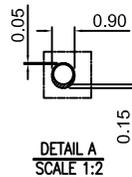
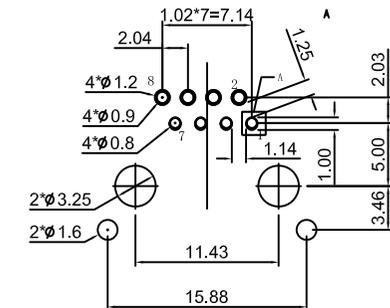
Schematic:



- MECHANICAL:**
- HOUSING: LCP UL94V-0, BLAK
 - SHIELD: COPPER ALLOY WITH NICKEL PLATED (C2680), THICKNESS T=0.20mm NI 30u" MIN
 - CONTACT: PHOSPHOR BRONZE .C5191 THICKNESS T=0.30mm PLATED NICKEL 30u" MIN, GOLD PLATED ON CONTACT AREA 30u" 100u" MATTE TIN PLATING ON CONTACT SOLDER TAIL
 - SOLDERING TERMINAL: BRASS T=0.30mm PLATED NICKEL 30u" MIN.

- ENVIRONMENTAL:**
- STORAGE: -40°~+85°
 - OPERATION: -40°~+85°

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



DETAIL A
SCALE 1:2

MATRIX PART NO:

Matrix-RJ45

MRJ N- 11 T 1240 T RS

RS: ROHS
HF: Halogen Free
Industrial temperature

F: 10/100
G: 10/100/1000
N: Pure Connector

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



Matrix Electronics Co., Ltd

TOLERANCE:	DESIGN BY :	DATE :	PART NAME:	
X.X X.X X.XX X.XXX ANGLE: ±2°	Vince Chen	2022/08/25	RJ45 1*1 CONNCTOR , 8P8C , CAT-6A	
±0.38 ±0.25 ±0.15	CHECKED BY:	DATE :	PART NO.	MRJN-11T1240TRS
UNIT: mm [inch]	Hanson Huang	2022/08/25	MOLD NO.	NA
SCALE: 1:1	APPROVED BY1:	DATE :	DRAW NO.	
SIZE: A4	Richard Hsieh	2022/08/25	SHEET NO.	1 OF 1

△ SUGGESTED PCB LA YOUT (TOP VIEW)
DIMENSIONAL TOLERANCE: .XX ±0.05