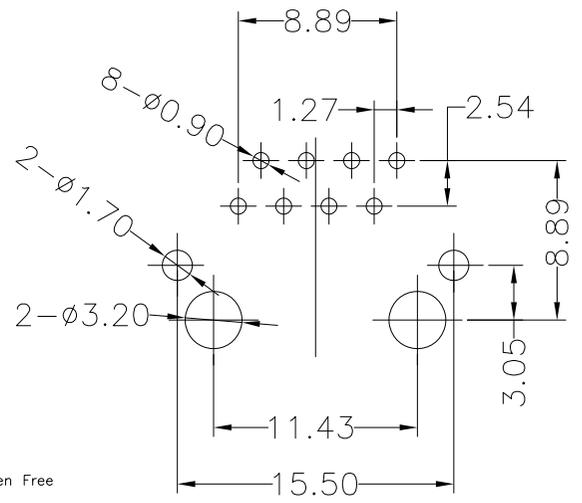
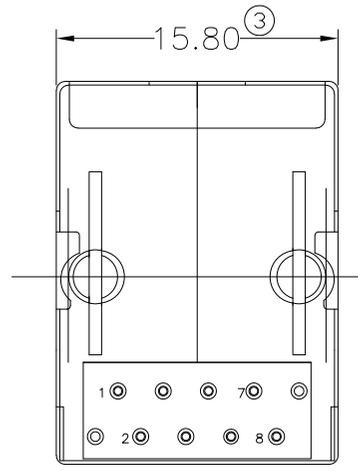
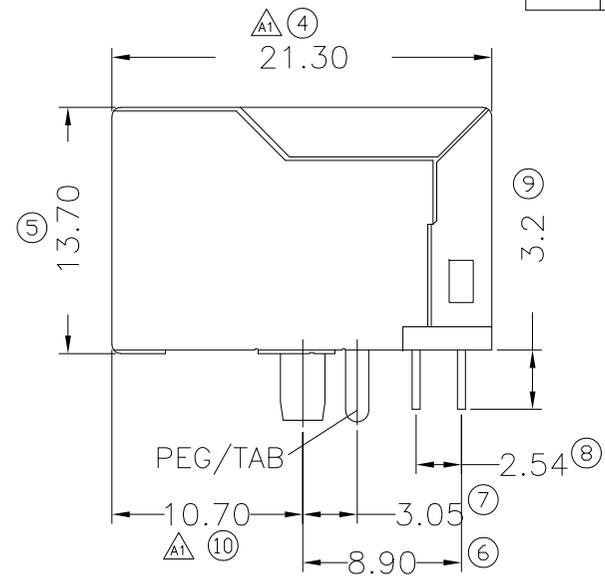
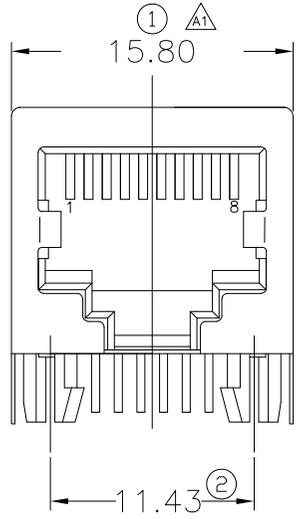


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2017/09/06	Phebe Su
A1			Modify Mechanical & Size	2025/08/12	Vince



- ELECTRICAL:**
- VOLTAGE RATING: 125 VAC RMS
  - CURRENT RATING: 1.5 AMP
  - CONTACT RESISTANCE: 20mΩ MAX.
  - INSULATION RESISTANCE: 500MΩMIN. AT 500V DC.
  - DIELECTRIC STRENGTH: 1000 VDC 50HZ 1MINUTE.
- MECHANICAL:**
- HOUSING MATERIAL: PA46 UL94V-0 RATED,COLOR BLACK.
  - CONTACT MATERIAL:PHOSPHOR BRONZE Ø0.46mm (C51000).
  - CONTACT PLATING: GOLD PLATED ON CONTENT AREA FU".
  - SHIELD: COPPER ALLOY PLATED WITH NICKEL30U"MIN.
  - OPERATING LIFE: 750 CYCLES MIN.
  - MATING FORCE: 20N MAX. UNMATING FORCE: 50N MAX.
  - WAVE SOLDERING TEMP.: 260°±5° 5-10 SECONDS.
  - JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F.
  - JACK CAVITY CONFORMS TO IEC60603-7.
- ENVIRONMENTAL:**
- STORAGE: -40°C TO +85°C
  - OPERATION: -40°C TO +85°C

MATRIX PART NO :  
**M R J N - 1 1 T 917 R S**  
 Matrix-RJ45  
 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  
 RS: ROHS  
 HF: Halogen Free  
 Series Number  
 S: SMD  
 T: THT

PC Board Layout

Matrix Electronics Co.,Ltd			
TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3	DESIGN BY : Vince Chen	DATE : 2025/08/12	PART NAME: RJ45 CONN 1X1 BOTTOM CONNCTOR W/O LED, 8P8C
	CHECKED BY: Hanson Huang	DATE : 2025/08/12	PART NO. MRJN-11T917RS
	APPROVED BY1: Richard Hsieh	DATE : 2025/08/12	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2025/08/12	DRAW NO.
UNIT: mm [inch] SCALE:1:1 SIZE:A4			SHEET NO. 1 OF 1