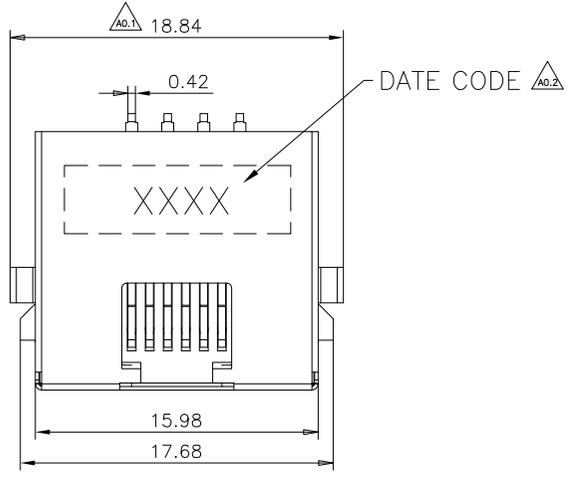
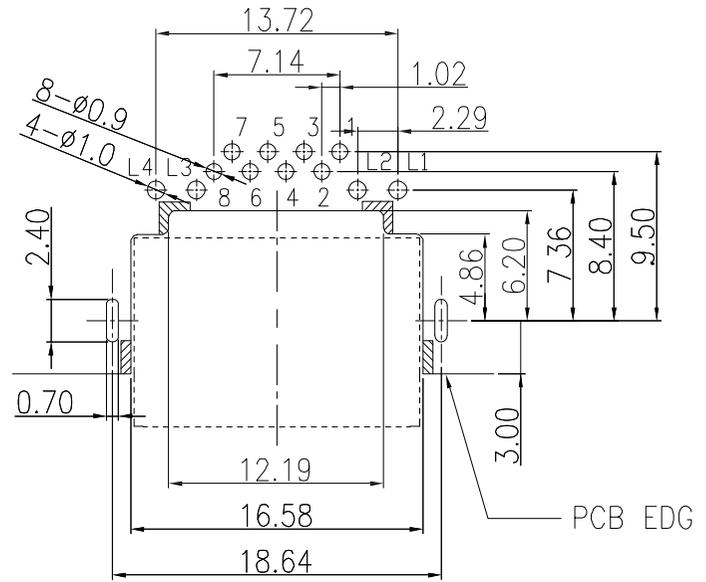


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2022/04/11	Vince
AO.1			Add Size	2023/06/05	Vince
AO.2			Add Date Code Mark	2024/08/15	Vince
AO.3			Add Mylar Mark	2024/08/21	Vince



- MECHANICAL:**
- HOUSING MATERIAL: PA6T(HF) UL94v-0 BLACK
  - CONTACT MATERIAL: Phosphor Bronze  
C5210-H T=0.25MM
  - SHELL MATERIAL: SUS201 1/2H T=0.20MM.
  - LED PIN: 0.5\*0.5mm.
  - PLATING: GOLD PLATING OVER NICKEL, PLATED NICKEL 50U"min. SN 120U"min. GOLD PLATED ON CONTENT AREA 3U".  
SHELL PLATING: PLATED NICKEL 60U"min.
  - OPERATING LIFE: 750 CYCLES MIN.
  - MATING FORCE: 30N Max.
- ENVIRONMENTAL:**
- STORAGE: -40°C TO +85°C
  - OPERATION: -40°C TO +85°C



RECOMMENDED PCB LAYOUT  
(t=1.6mm, tol:±0.05)

ORDER INFORMATION :

MRJN - 11T 1445 THF

Matrix-RJ45

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

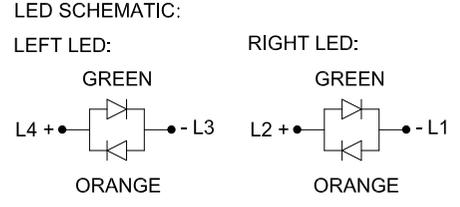
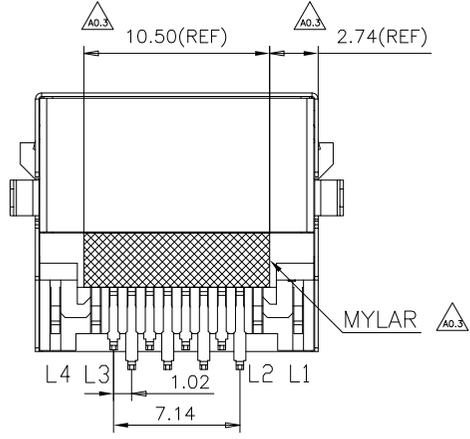
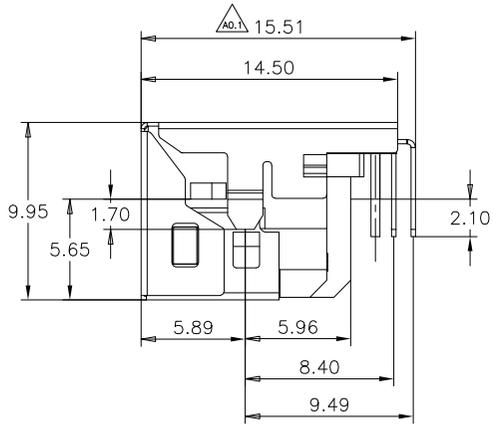
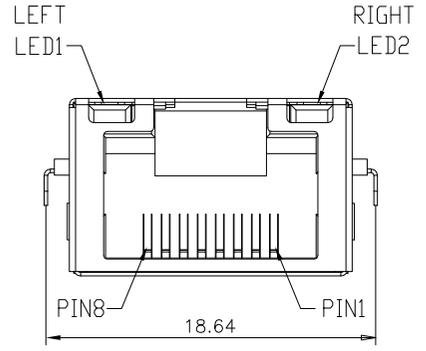
RS: ROHS  
HF: Halogen Free

Industrial temperature

Series Number

S: SMD  
T: THT

11:1X1 ; 21:2X1  
12:1X2 ; 22:2X2  
14:1X4 ; 24:2X4  
16:1X6 ; 26:2X6  
18:1X8 ; 28:2X8  
1U:RJ+USB



Pin Define		
	10/100 Base	1000 Base
1	TX_DA+	TX_DA+
2	TX_DA-	TX_DA-
3	RX_DB+	RX_DB+
4	N/C	BI_DC+
5	N/C	BI_DC-
6	RX_DB-	RX_DB-
7	N/C	BI_DD+
8	N/C	BI_DD-

**Matrix Electronics Co.,Ltd**

TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3	DESIGN BY : Vince Chen	DATE : 2024/08/21	PART NAME: RJ45,CONNECTORS,W/ LED W/SHIELDING	
UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY: Hanson Huang	DATE : 2024/08/21	PART NO.	MRJN-11T1445THF
	APPROVED BY1: Richard Hsieh	DATE : 2024/08/21	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2024/08/21	DRAW NO.	
			SHEET NO.	1 OF 1