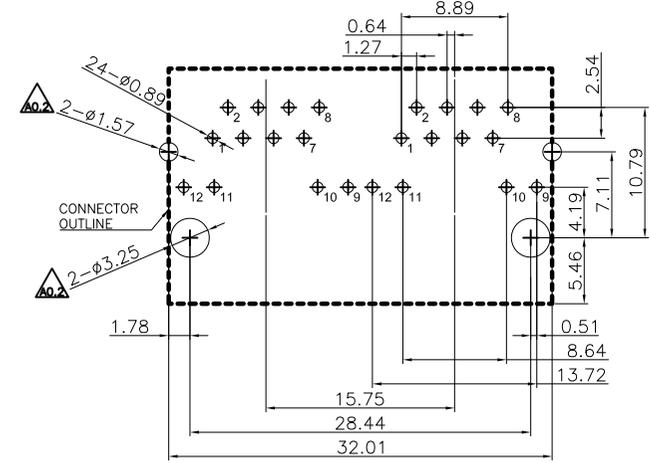
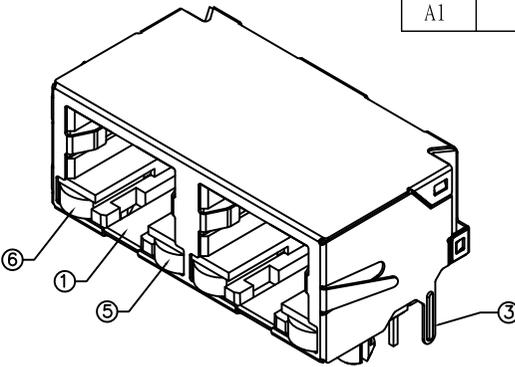
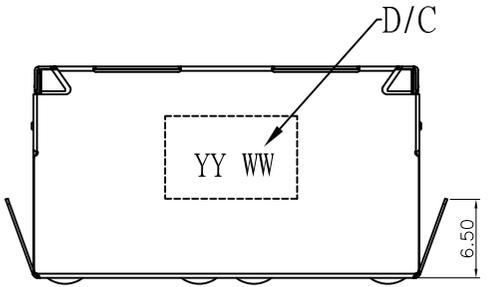


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0.1			Add Led Specification	2024/12/06	Vince
A0.2			Add Pcb Size	2024/12/19	Vince
A1			Modify Size	2024/12/27	Vince

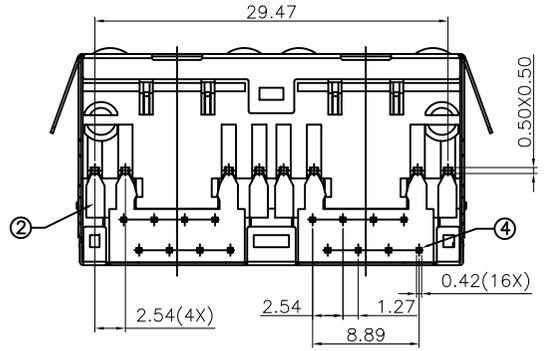
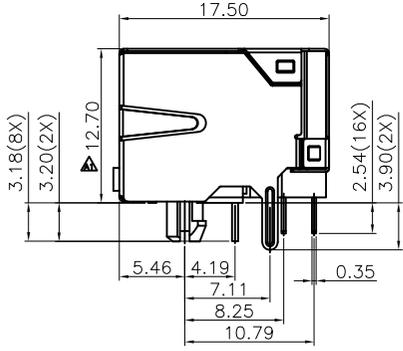
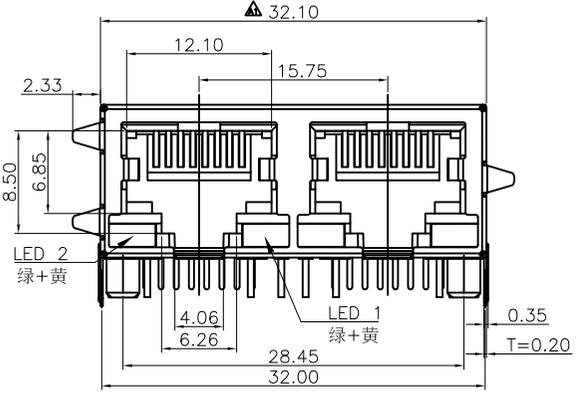


SUGGESTED PCB LAYOUT
DIMENSIONAL TOLERANCE: .XX ±0.08

MATRIX PART NO:
MRJ N - 12 I 1914 T RS

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
Industrial temperature
Series Number
S: SMD
T: THT



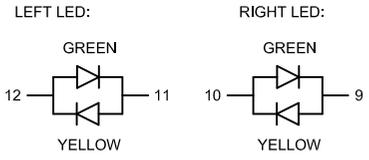
NOTES:

- MATERIAL:
HOUSING:PA66 BLACK UL94V-0. (Rohs)
INSERT:PBT BLACK UL94V-0. (Rohs)
CONTACT:PHOSPHOR BORNZE,T=0.35mm, GOLD 6u" ON CONTACT AREA, MATTE TIN ON SOLDERTAIL.
SHELL:COPPER ALLOY, NICKEL 50u" OVERALL
- OPERATING TEMPERATURE: -40°C ~ +85°C
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68.SUBPART F

6	LED2	2	/	(双色灯) GREEN/YELLOW BRIGHT TIN 100U"MIN
5	LED1	2		
4	CONTACT	16	PHOSPHORUS COPPER	6u" GOLD ON CONTACT AREA,100u"MIN BRIGHT TIN, SOLDER AREA,50u"MIN,NICKEL UNDERPLATED OVERALL.
3	SHELL	1	COPPER	50u"MIN,NICKEL UNDERPLATED OVERALL.
2	COVER	2	PBT	UL94 V-0, COLOR:BLACK
1	HOUSING	1	PA66	UL94 V-0, COLOR:BLACK
No.	Part Name	Q'TY	Material	Finish

COLOR	VF(V) @20mA		IV(mcd) @20mA	IF(mA)	PEAK WAVE LENGTH λP(nm) @20mA
	TYP	MAX	TYP	TYP	TYP
GREEN	2.2	2.6	8	20	570
YELLOW	2.0	2.6	8	20	588

LED SCHEMATIC:



Matrix Electronics Co.,Ltd

TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 X:±2° X:X'±1°	DESIGN BY : Vince Chen	DATE : 2024/12/27	PART NAME: RJ45 1X2 CONN,W/LED	
UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY: Hanson Huang	DATE : 2024/12/27	PART NO.	MRJN-12T1914TRS
	APPROVED BY1: Richard Hsieh	DATE : 2024/12/27	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2024/12/27	DRAW NO.	
			SHEET NO.	1 OF 1