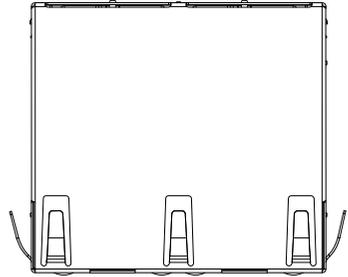


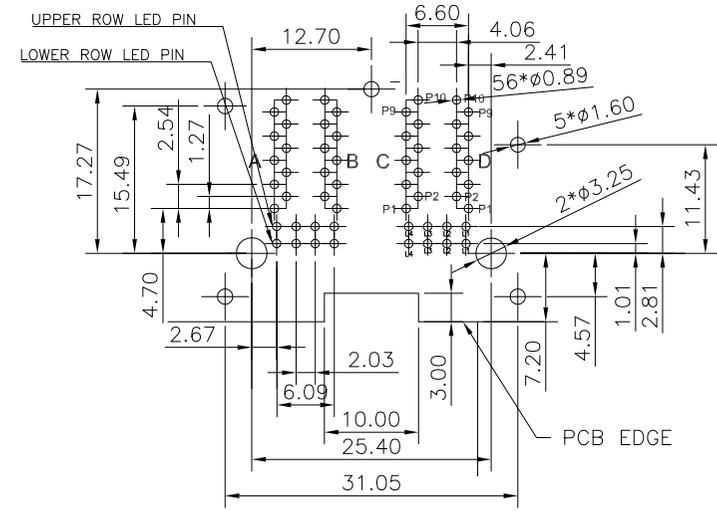
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/03/19	Hanson
A1			Change Dimension	2020/12/14	Hanson

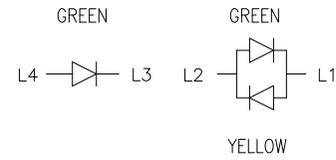
1. MECHANICAL DIMENSIONS :



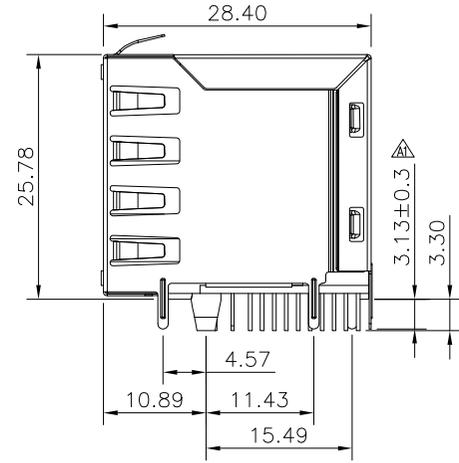
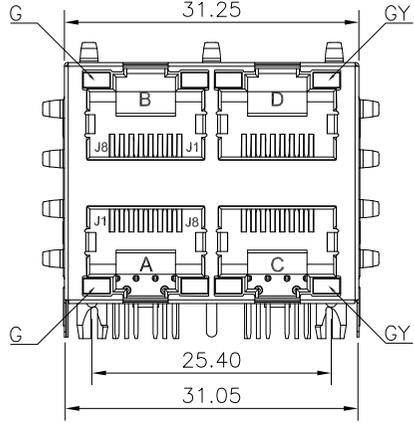
Printing :
 MATRIX
 MRJG-22T1155RS
 YYWW



SUGGESTED PCB LAYOUT
 (TOP VIEW)
 DIMENSIONAL TOLERANCE: .XX ±0.05[0.002]



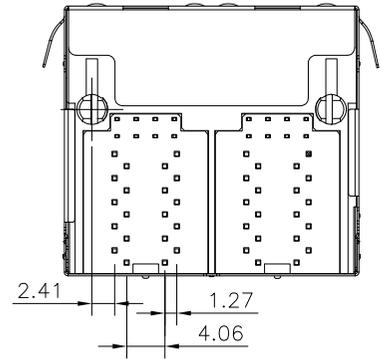
- NOTES:
- MATERIAL:
 HOUSING: PA46, BLACK UL94V-0
 CONTACTS: PHOSPHOR BRONZE, 30u" GOLD ON CONTACT AREA, TIN PLATING ON SOLDERTAIL, NICKEL PLATING OVERALL
 SHIELD: COPPER ALLOY T=0.20, NICKEL PLATING OVERALL
 - CAVITY CONFIRMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F.
 - OPERATING TEMPERATURE: -0°C ~ +70°C

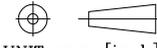


ORDER INFORMATION :

M R J G - 2 2 T 1155 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

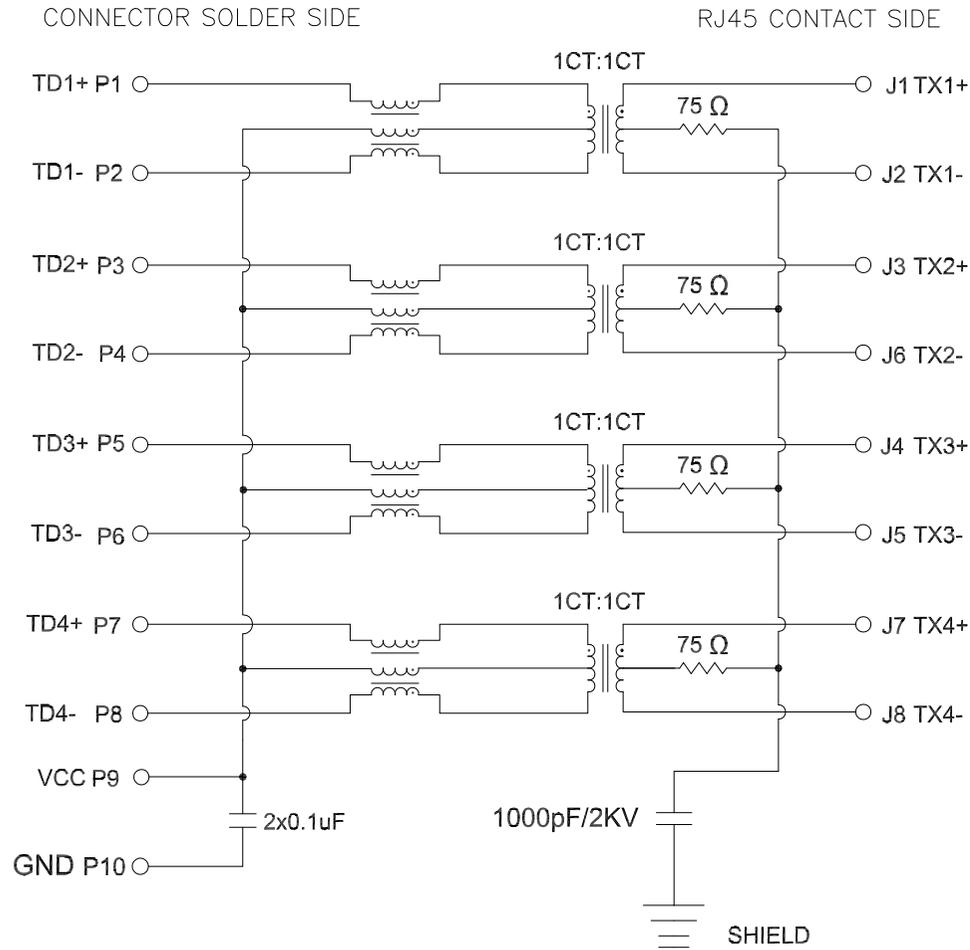


 Matrix Electronics Co.,Ltd			
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2020/12/14	PART NAME: RJ45 2X2,GIGA,W/LED,10P,8C SHIELDED/THRU,HOLE,FILTER
	CHECKED BY: Vicky Hsieh	DATE : 2020/12/14	PART NO. MRJG-22T1155RS
UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2020/12/14	MOLD NO. NA
SCALE:1:1 SIZE:A4	APPROVED BY2: Richard Hsieh	DATE : 2020/12/14	DRAW NO.
			SHEET NO. 1 OF 2

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/03/19	Hanson
A1			Change Dimension	2020/12/14	Hanson

2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS :

- TR:(100KHz,0.1V); 100%
 PINS:(P1,P2):(J1,J2)=1:1±3%;PINS:(P3,P4):(J3,J6)=1:1±3%;
 PINS:(P5,P6):(J3,J6)=1:1±3%;PINS:(P7,P8):(J3,J6)=1:1±3%;
- LX:(100KHz,0.1V,8mA, DC Bias) 100%
 PINS:(P1,P2)=350uH MINIMUM;PINS:(P3,P4)=350uH MINIMUM
 PINS:(P5,P6)=350uH MINIMUM;PINS:(P7,P8)=350uH MINIMUM
- DCR: 100%
 PINS:(J1,J2)=1.5 Ω MAXIMUM;PINS:(J3,J6)=1.5 Ω MAXIMUM
 PINS:(J4,J5)=1.5 Ω MAXIMUM;PINS:(J7,J8)=1.5 Ω MAXIMUM
- HIPOT: 100%
 PINS(P1,P2)TO(J1,J2)=1500VAC FOR 60 SECONDS
 PINS(P3,P4)TO(J3,J6)=1500VAC FOR 60 SECONDS
 PINS(P5,P6)TO(J4,J5)=1500VAC FOR 60 SECONDS
 PINS(P7,P8)TO(J7,J8)=1500VAC FOR 60 SECONDS
- INSERTION LOSS:
 -1.0dB MAXIMUM AT 1MHz TO 100MHz;
- RETURN LOSS:
 -18dB MINIMUM AT 1MHz TO 30MHz;
 -16dB MINIMUM AT 30MHz TO 60MHz
 -10dB MINIMUM AT 60MHz TO 100MHz
- CROSS TALK:
 -30dB MINIMUM AT 1MHz TO 100MHz
- COMMON TO COMMON MODE REJECTION:
 -30dB MINIMUM AT 1MHz TO 100MHz



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2020/12/14	PART NAME: RJ45 2X2,GIGA,W/LED,10P,8C SHIELDED/THRU,HOLE,FILTER	
	CHECKED BY: Vicky Hsieh	DATE : 2020/12/14	PART NO.	MRJG-22T1155RS
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	APPROVED BY1: Richard Hsieh	DATE : 2020/12/14	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2020/12/14	DRAW NO.	SHEET NO.
			2 OF 2	