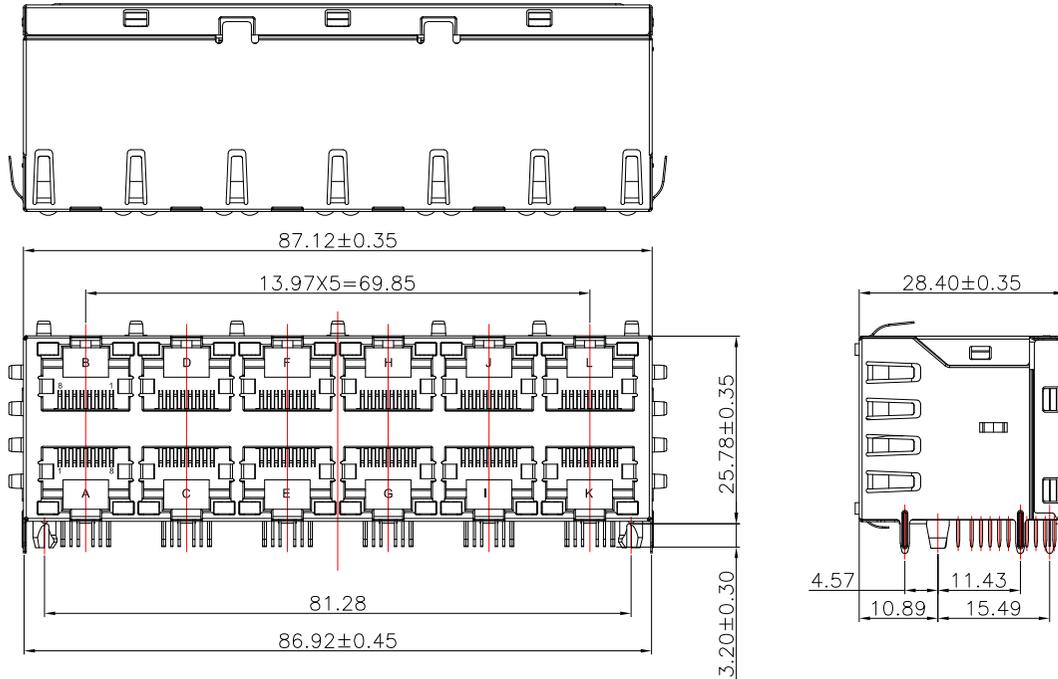


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2020/05/20	Hanson
A1			Change Metal Shielding	2022/06/13	Vince

1. MECHANICAL DIMENSIONS :

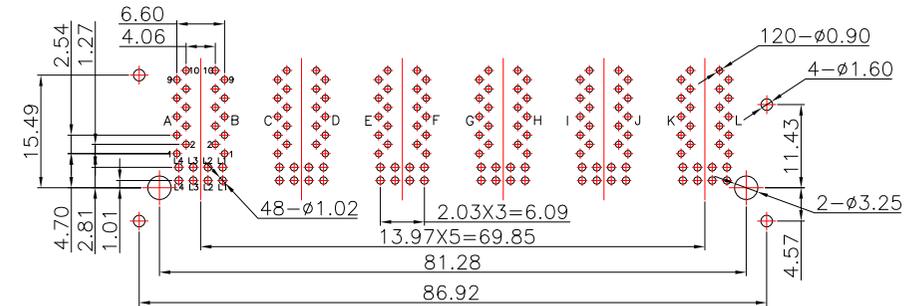
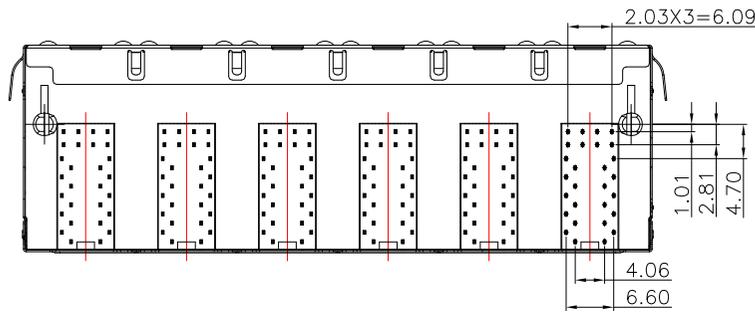


1. Material:

- 1.1 Housing: PA46 UL94V-0 Black.
- 1.2 Insert core and Cover: PA46 UL94V-0 Black.
- 1.3 Contact : Phosphor Bronze, Gold plated on contact area 6μ ", Tin plated on solder area 80μ " min, overall nickel plating 30μ " min.
- 1.4 Input Terminal : Brass, Tin plated on solder area 80μ " min, Ni underplated overall 30μ " min.
- 1.5 Metal shielding: Copper alloy with Nickel plated.

2. Environmental requirements:

- 2.1 Lead-free process, compliant RoHS.



MATRIX PART NO:

Matrix-RJ45
 F : 10/100
 G : 10/100/1000
 N : Pure Connector

MRJG - 26T1283TRS

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

Printing:
 MATRIX
 MRJG-26T1283TRS
 YYWW



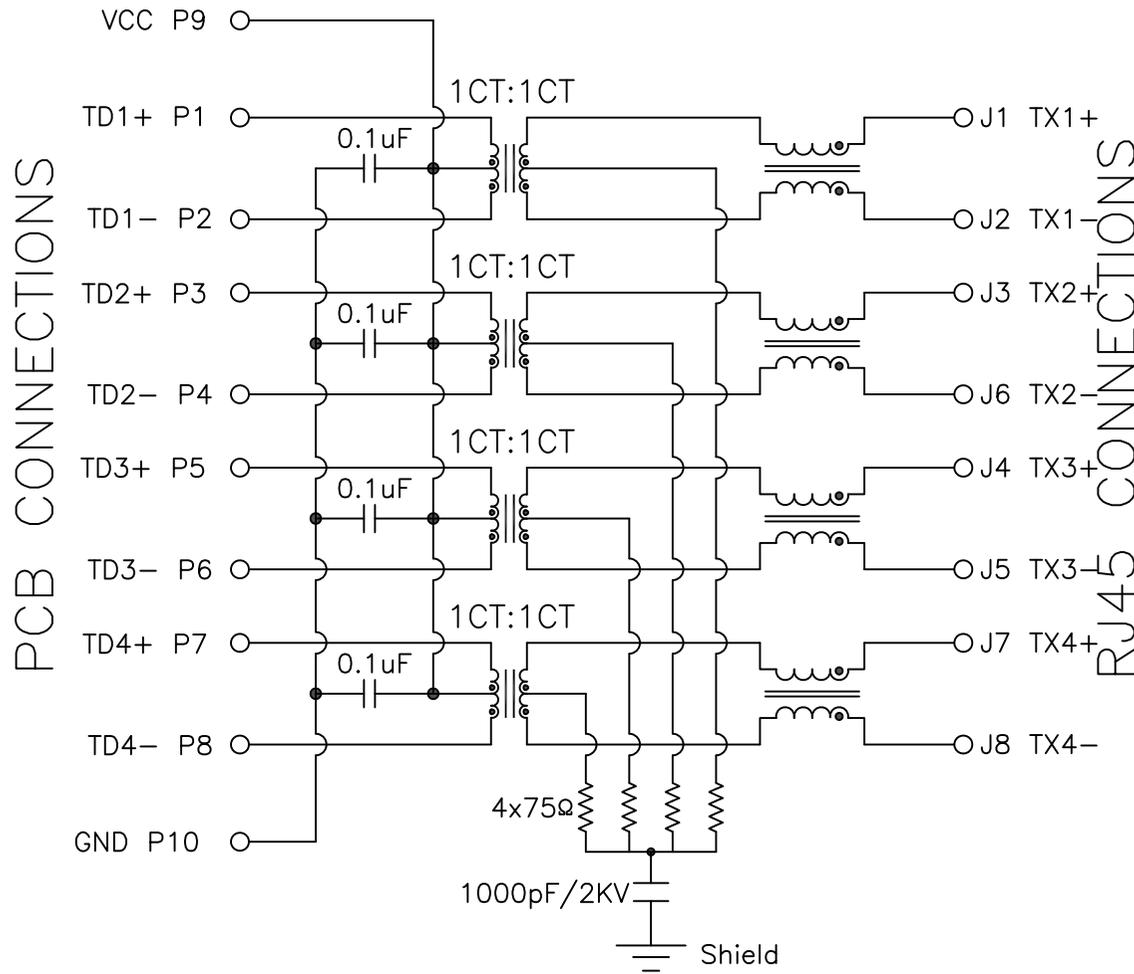
Matrix Electronics Co.,Ltd

TOLERANCE: X.X ± 0.38 X.XX ± 0.25 X.XXX ± 0.13 ANGLE: $\pm 3^\circ$	DESIGN BY :	DATE :	PART NAME:
	Vince Chen	2022/06/13	RJ45 2X6 CONN,W/LED 10/100/1000_FILTER
 UNIT: mm [inch]	CHECKED BY:	DATE :	PART NO.
	Hanson Huang	2022/06/13	MRJG-26T1283TRS
SCALE:1:1 SIZE:A4	APPROVED BY1:	DATE :	MOLD NO.
	Richard Hsieh	2022/06/13	NA
	APPROVED BY2:	DATE :	DRAW NO.
	Richard Hsieh	2022/06/13	
			SHEET NO.
			1 OF 3

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/05/20	Hanson
A1			Change Metal Shielding	2022/06/13	Vince

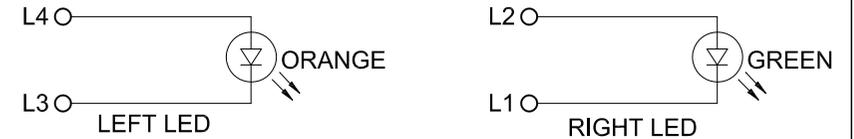
2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS :

3. Electrical Specification @25°C:

- 3.1 Inductance: 350uH Min With 8mA DC bias.
- 3.2 Hi-Pot Test: Input to Output 2250VDC/1mA.
- 3.3 Insertion loss : 1-100MHZ -1dB max.
- 3.4 Return loss :
 - 1-30MHZ -18dB min.
 - 30-60MHZ -16dB min.
 - 60-80MHZ -12dB min.
 - 80-100MHZ -10dB min.
- 3.5 Common Mode Rejection: 1-100MHZ -30dB min.
- 3.6 Cross Talk: 1-100MHZ -30dB min.
- 4. Operating and Storage Temperature:
 - 4.1 Operating Temperature : -40°C to +85°C.
 - 4.2 Storage Temperature : -40°C to +85°C.
- 5. Wave soldering peak temperature: 260°C.



Emitting Color	λ p(nm)	Vf@If=20mA
GREEN	565	1.8-2.5V
ORANGE	610	1.8-2.5V

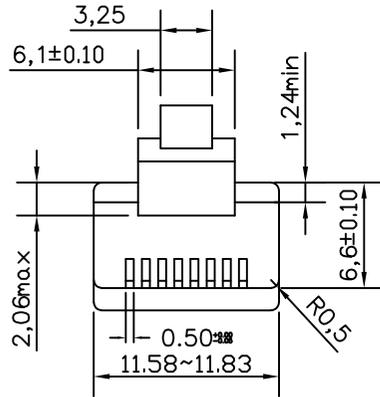


Matrix Electronics Co.,Ltd

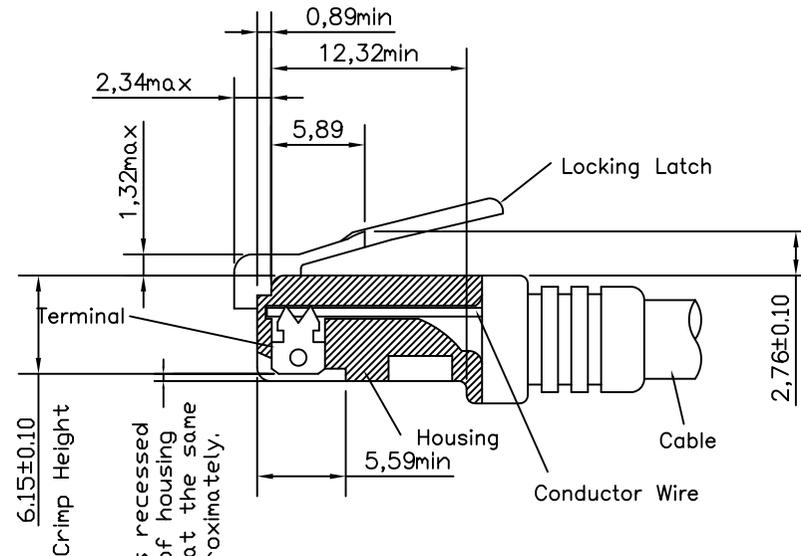
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY : Vince Chen	DATE : 2022/06/13	PART NAME: RJ45 2x6 CONN,W/LED 10/100/1000_FILTER
	CHECKED BY: Hanson Huang	DATE : 2022/06/13	PART NO. MRJG-26T1283TRS
 UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2022/06/13	MOLD NO. NA
	SCALE: 1:1 SIZE: A4	APPROVED BY2: Richard Hsieh	DATE : 2022/06/13

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2020/05/20	Hanson
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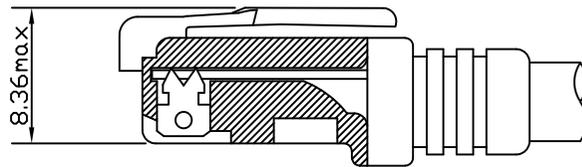
- * There must be no damage to housing or locking latch. There must be no nicks or cuts in cable.
- * Durability : 750 cycles generally



All contacts recessed below top of housing and must be at the same height approximately.

FOLLOW SPECIFICATION : FCC, PART 68, SUBPART F FIGURE 68.500 (C)(2)(i) AND IEC 603-7 FIGURE 23 & 24

STANDARD MODULAR PLUG ASSEMBLY



FOLLOW SPECIFICATION : FCC, PART 68, SUBPART F FIGURE 68.500 (C)(2)(ii)



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°	DESIGN BY : Vince Chen	DATE : 2022/06/13	PART NAME: RJ45 2X6 CONN,W/LED 10/100/1000_FILTER
	CHECKED BY: Hanson Huang	DATE : 2022/06/13	PART NO. MRJG-26T1283TRS
	APPROVED BY1: Richard Hsieh	DATE : 2022/06/13	MOLD NO. NA
UNIT: mm [inch]	APPROVED BY2: Richard Hsieh	DATE : 2022/06/13	DRAW NO.
SCALE:1:1	SIZE:A4		SHEET NO. 3 OF 3