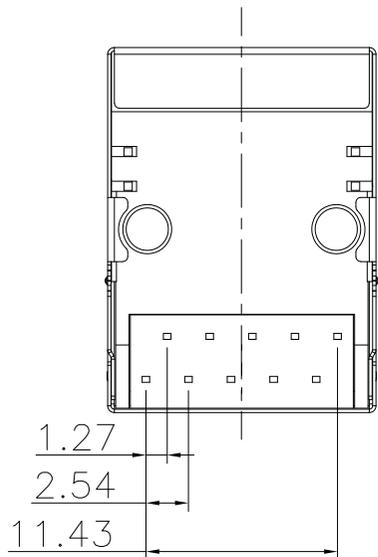
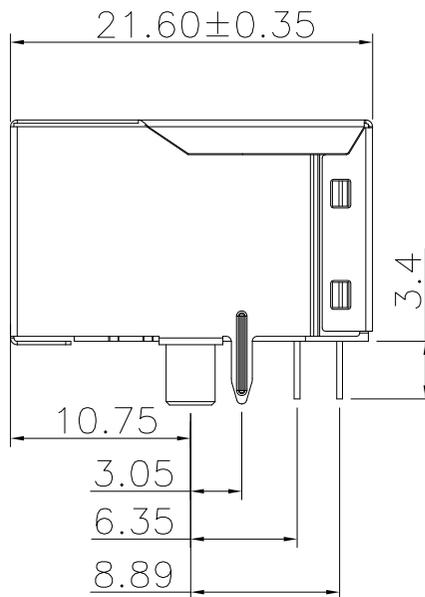
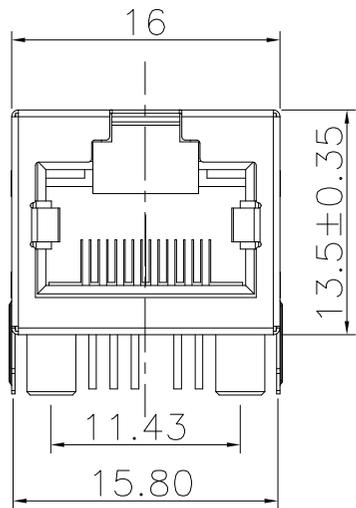


GP Component

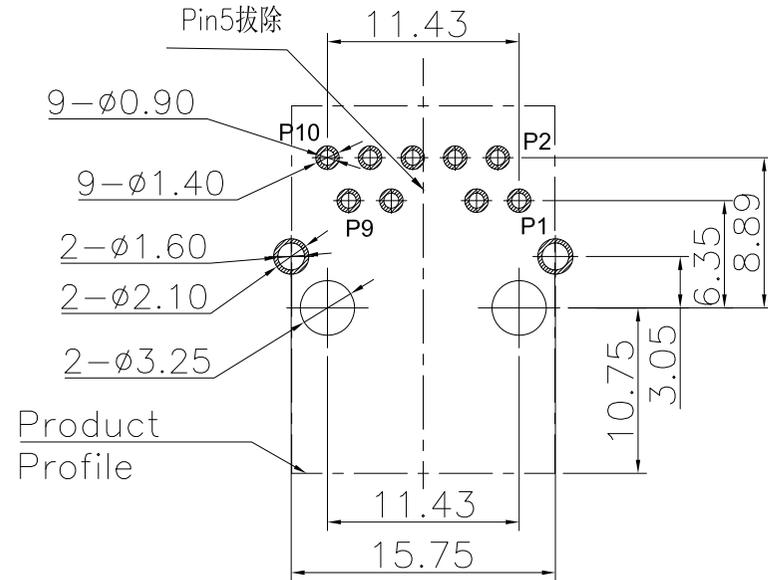
1. MECHANICAL DIMENSIONS:



Printing:
 MATRIX
 MRJF-11T1446TRS
 YYWW



REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0.1			Modify Operating Temperature	2022/10/18	Vince
A0.2			Modify Part No	2023/12/19	Vince



NOTES:

1.HOUSING:GLASS FILLED LCP(BLACK) UL94V-0(ROHS)
2.CONTACT: PHOSPHOR BRONZE,50-100 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH SELECTED GOLD FLASH AT MATING INTERFACE
3.SHIELD:COPPER ALLOY WITH NICKEL PLATED.
4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F
5.THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX,10 SECS MAX.
6.OPERATING TEMPERATURE:-40°C TO +85°C. STORAGE TEMPERATURE:-40°C TO +85°C.

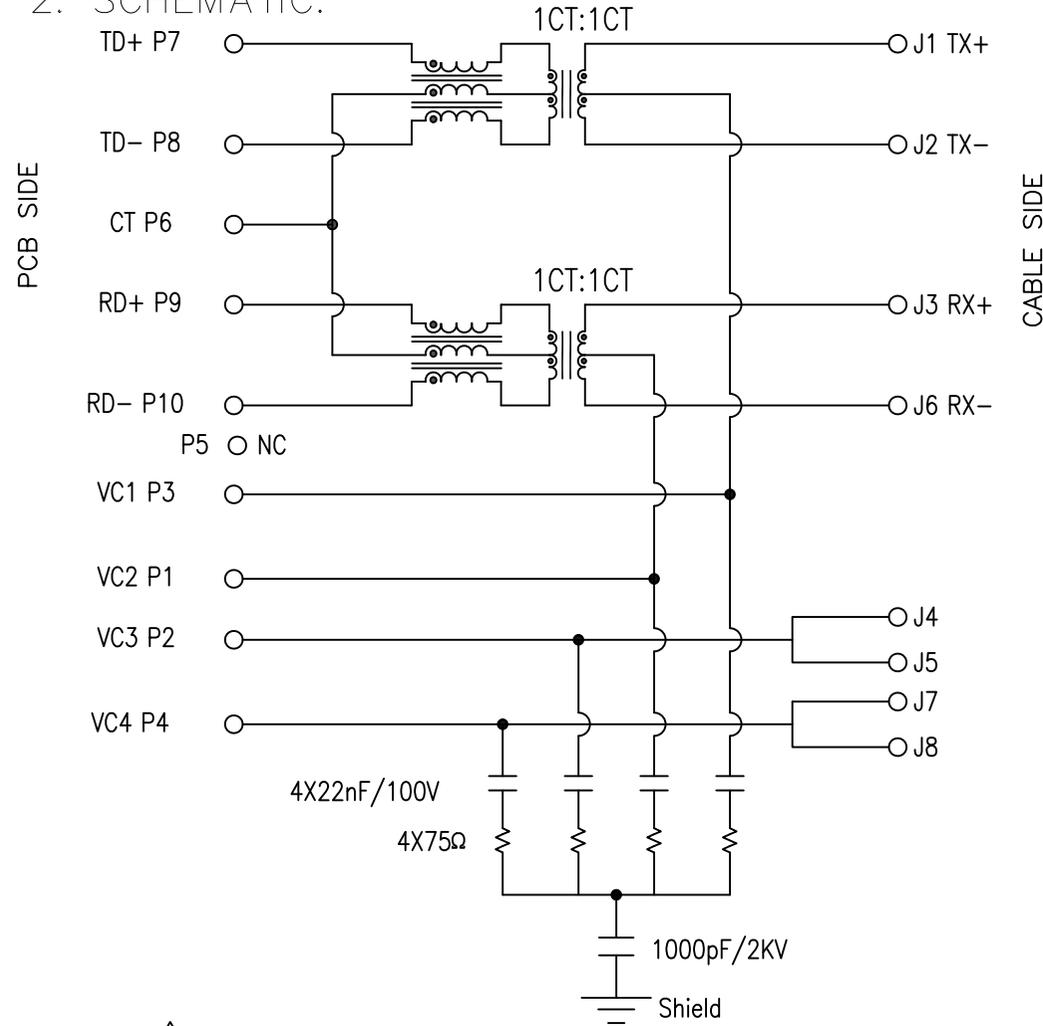


Matrix Electronics Co.,Ltd			
TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3	DESIGN BY : Vince Chen	DATE : 2023/12/19	PART NAME: RJ45,CONNECTORS,W/O LED, 10/100MBPS,FILTER
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY: Hanson Huang	DATE : 2023/12/19	PART NO. MRJF-11T1446TRS
	APPROVED BY1: Richard Hsieh	DATE : 2023/12/19	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/12/19	DRAW NO.
			SHEET NO. 1 OF 3

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO.1			Modify Operating Temperature	2022/10/18	Vince
AO.2			Modify Part No	2023/12/19	Vince

2. SCHEMATIC:



3. ELECTRICAL CHARACTERISTICS:

PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS RATIO	1:1±2%
INDUCTANCE(OCL)	350uH MIN@100KHz/100mV With 15mA DC Bias
INSERTION LOSS	-1.0dB MAX@1MHz-100MHz;
RETURN LOSS (Z out=100 OHM)	-18dB MIN@1MHz-30MHz; -16dB MIN@30MHz-60MHz; -12dB MIN@60MHz-80MHz;-10dB MIN@80MHz-100MHz;
CROSSTALK (ADJACENT CHANNELS)	-30dB MIN@1MHz-100MHz;
COMMON MODE REJECTION RATIO	-30dB MIN@1MHz-100MHz;
HI-POT	PRI to SEC 1500Vrms/1mA. Shield to J1~J8 1500Vrms/1mA.



MATRIX PART NO:

M R J F - 1 1 T 1446 T R S

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

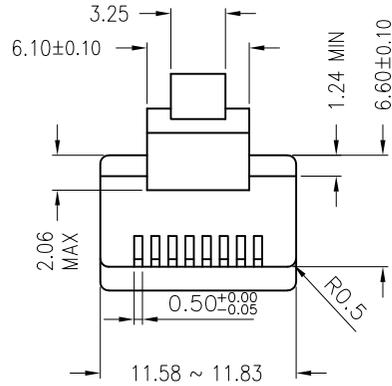


Matrix Electronics Co.,Ltd

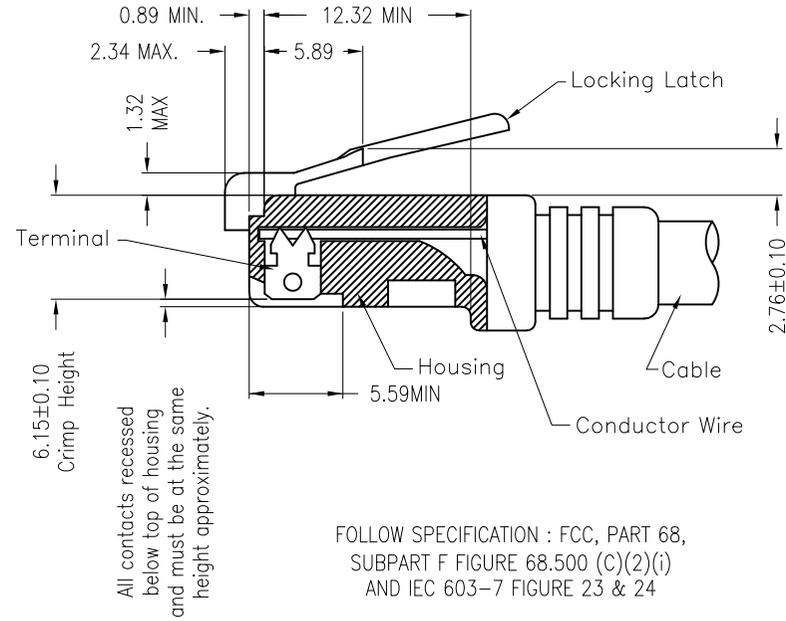
TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3	DESIGN BY : Vince Chen	DATE : 2023/12/19	PART NAME: RJ45,CONNECTORS,W/O LED, 10/100MBPS,FILTER	
 UNIT: mm [inch] SCALE:1:1 SIZE:A4	CHECKED BY: Hanson Huang	DATE : 2023/12/19	PART NO.	MRJF-11T1446TRS
	APPROVED BY1: Richard Hsieh	DATE : 2023/12/19	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2023/12/19	DRAW NO.	
			SHEET NO.	2 OF 3

GP Component

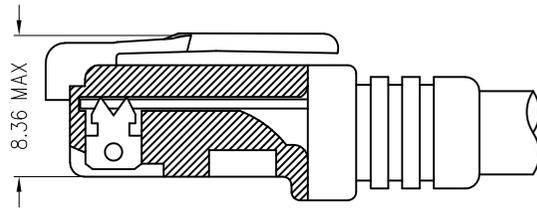
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0.1			Modify Operating Temperature	2022/10/18	Vince
A0.2			Modify Part No	2023/12/19	Vince



* There must be no damage to housing or locking latch. There must be no nicks or cuts in cable.
 * Durability : 750 cycles generally



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 : 2023/12/19	PART NAME: RJ45,CONNECTORS,W/O LED, 10/100MBPS,FILTER
	CHECKED BY: Hanson Huang	DATE : 2023/12/19	PART NO. MRJF-11T1446TRS
  UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2023/12/19	MOLD NO. NA
	SCALE:1:1	APPROVED BY2: Richard Hsieh	DATE : 2023/12/19