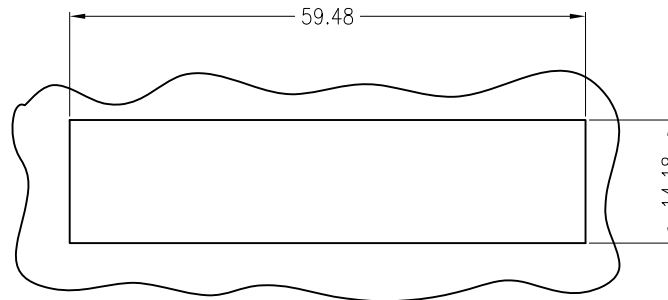
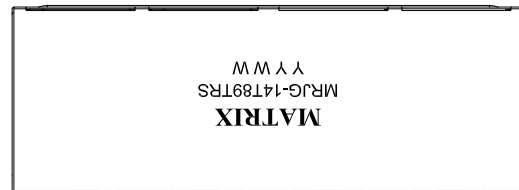


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2013/10/22	Jamie Zie

1. MECHANICAL DIMENSIONS :

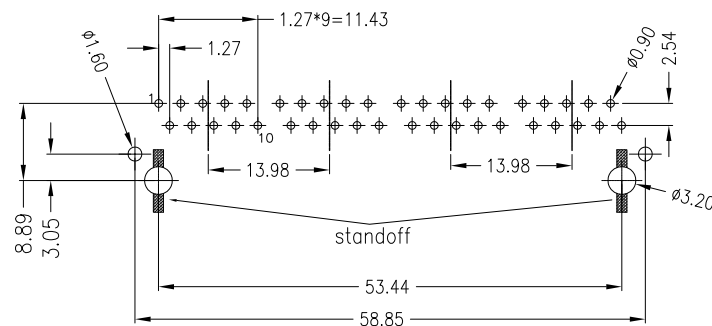
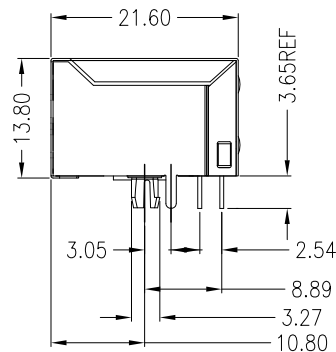
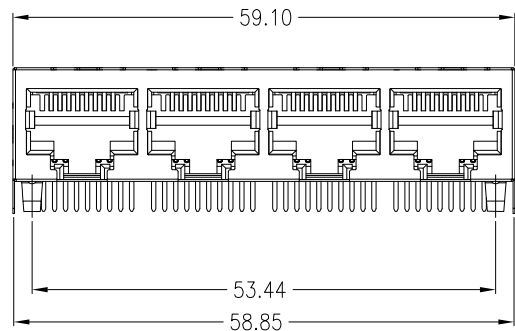
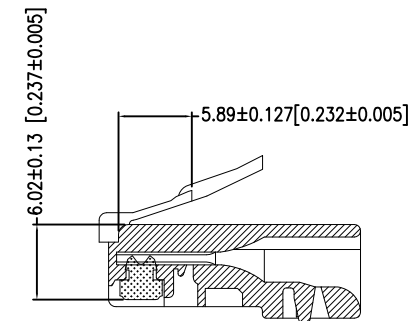


RECOMMENDED
PANEL CUTOUT DIMENSION

NOTES:

1. MATERIALS:
HOUSING—HIGH TEMPERATURE PBT UL94V-0
MIXED GLASS FIBER.
STANDARD COLOR—BLACK.
CONTACTS—0.35mm THICK PHOS-BRONZE PLATED
WITH G/F GOLD AND TIN 100u' Min
IN SOLDER AREA.
SHIELD—0.25mm THICK COPPER ALLOY,
PLATED WITH NICKEL.
2. OPERATING TEMPERATURE RANGE : -40°C to +85°C.
3. STORAGE TEMPERATURE RANGE: -40°C to +125°C.
4. CAVITY CONFORMS TO FCC RULES AND REGULATIONS
PART 68,SUBPART F.

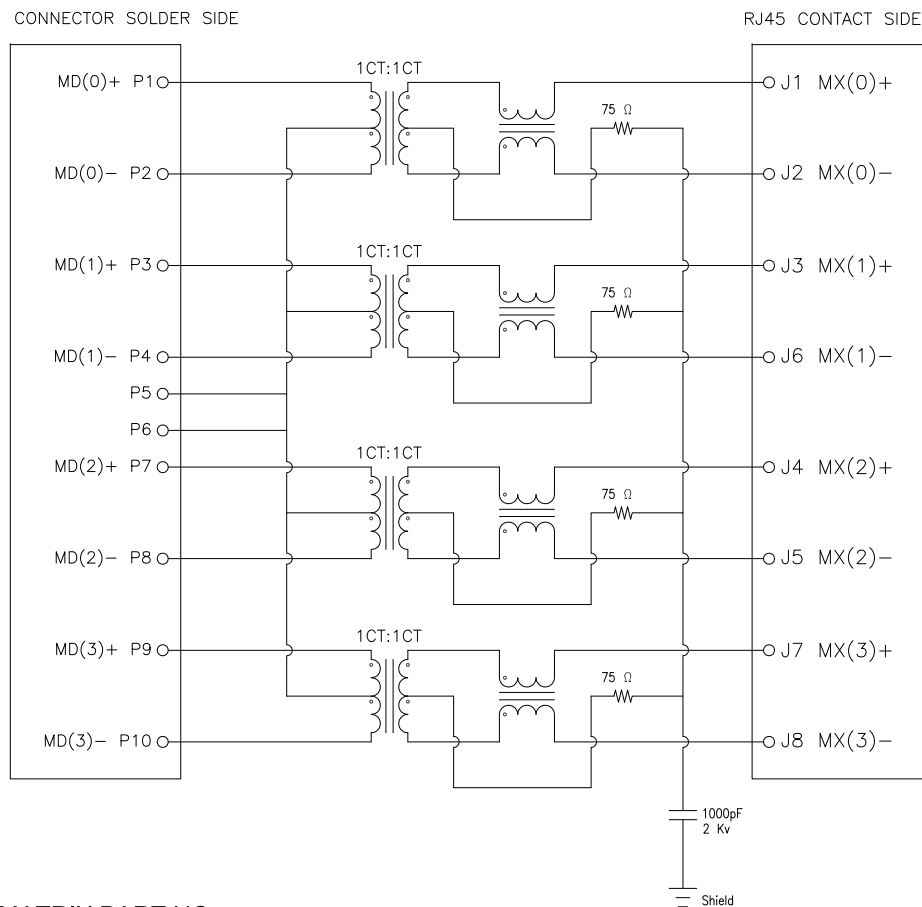
RECOMMENED PLUG DIMENSION:



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

NO	VARIETY	QTY	METERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±5°		DESIGN BY : Jamie Zie	DATE : 2013/10/22	PART NAME: RJ45 CONNECTORS,W/OLED,10P,8C, SHIELDED/THRU,HOLE100/1000MBPS,FILTER
CHECKED BY: Vicky Hsieh		DATE : 2013/10/22	PART NO.	MRJG-14T89TRS
APPROVED BY1: Richard Hsieh		DATE : 2013/10/22	MOLD NO.	NA
APPROVED BY2: Richard Hsieh		DATE : 2013/10/22	DRAW NO.	
SCALE:1:1		SIZE:A4	SHEET NO.	1 OF 2

4. SCHEMATIC:



MATRIX PART NO:

M R J G - 1 4 T 8 9 T R S

Matrix-RJ45

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

RS: ROHS
HF: Halogen Free

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

5. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

- TR:(100KHz,1V); 100%
PINS:(P1,P2):(J1,J2)=1:1±3%;(P3,P4):(J3,J6)=1:1±3%
PINS:(P7,P8):(J4,J5)=1:1±3%;(P9,P10):(J7,J8)=1:1±3%
- LX:(100KHz,100mV,8mA, DC Bias) 100%
PINS:(P1,P2),(P3,P4),(P7,P8),(P9,P10)=350uH MINIMUM
- DCR: 100%
PINS:(J1,J2),(J3,J6),(J4,J5),(J7,J8)=1.2Ω MAXIMUM
- HIPOT: 100%
PINS(P1,P2)TO(J1,J2),(P3,P4)TO(J3,J6)=1500VAC OR 2250VDC FOR 2 SECONDS
PINS(P7,P8)TO(J4,J5),(P9,P10)TO(J7,J8)=1500VAC OR 2250VDC FOR 2 SECONDS
- INSERTION LOSS:
-1.0dB MAXIMUM AT 1MHz TO 100MHz;
- RETURN LOSS:
-20dB MINIMUM AT 1MHz TO 30MHz;
-15dB MINIMUM AT 30MHz TO 60MHz
-10dB MINIMUM AT 60MHz TO 80MHz
- CROSS TALK:
-30dB MINIMUM AT 1MHz TO 100MHz
- COMMON TO COMMON MODE REJECTION:
-30dB MINIMUM AT 1MHz TO 100MHz

NO	VARIETY	QTY	METERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±5°		DESIGN BY : Jamie Zie	DATE : 2013/10/22	PART NAME: RJ45 CONNECTORS,W/OLED,10P,8C, SHIELDED/THRU,HOLE100/1000Mbps,FILTER
CHECKED BY: Vicky Hsieh		DATE : 2013/10/22	PART NO.	MRJG-14T89TRS
APPROVED BY1: Richard Hsieh		DATE : 2013/10/22	MOLD NO.	NA
APPROVED BY2: Richard Hsieh		DATE : 2013/10/22	DRAW NO.	
SCALE:1:1 SIZE:A4			SHEET NO.	2 OF 2