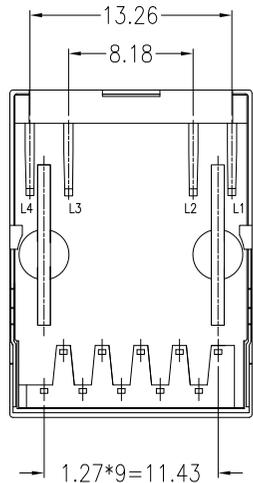
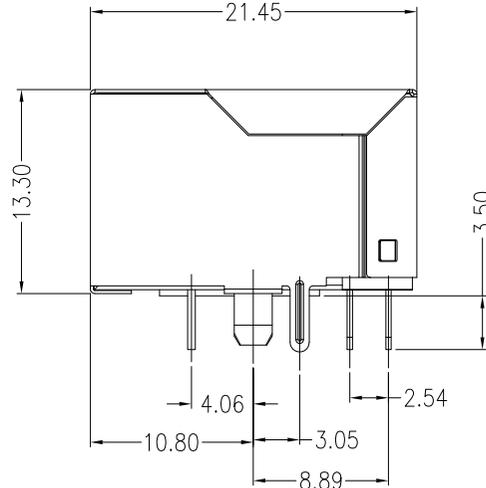
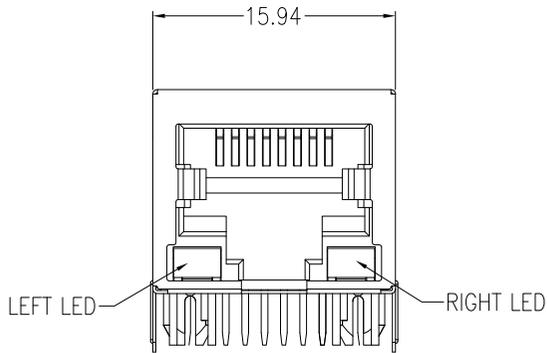
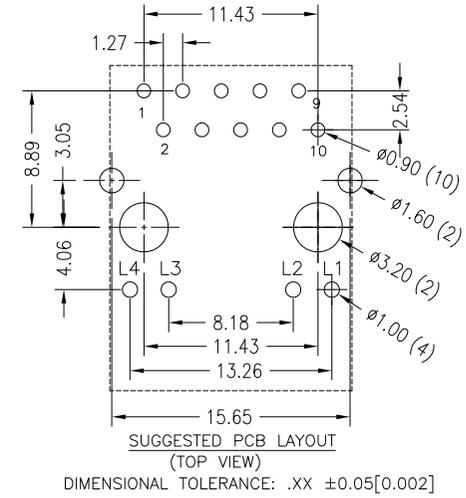
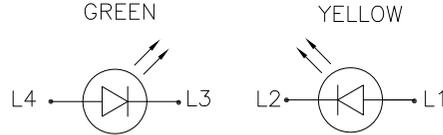
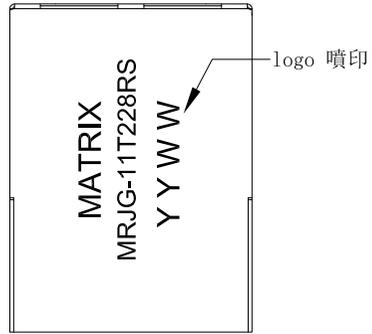


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/01/28	Phebe Su
A1			Shared molding	2015/12/03	Phebe Su

1. MECHANICAL DIMENSIONS :



NOTES:

1. MATERIALS:

HOUSING: PBT POLYESTER UL94V-0
MIXED GLASS FIBER.
STANDARD COLOR-BLACK.

CONTACTS: 0.35mm THICK PHOS-BRONZE PLATED
WITH G/F AND TIN IN SOLDER AREA.

SHIELD: 0.2mm THICK COPPER ALLOY,
PLATED WITH NICKEL.

2. OPERATING TEMPERATURE: 0°C~70°C

3. CAVITY CONFIRMS TO FCC RULES AND REGULATIONS

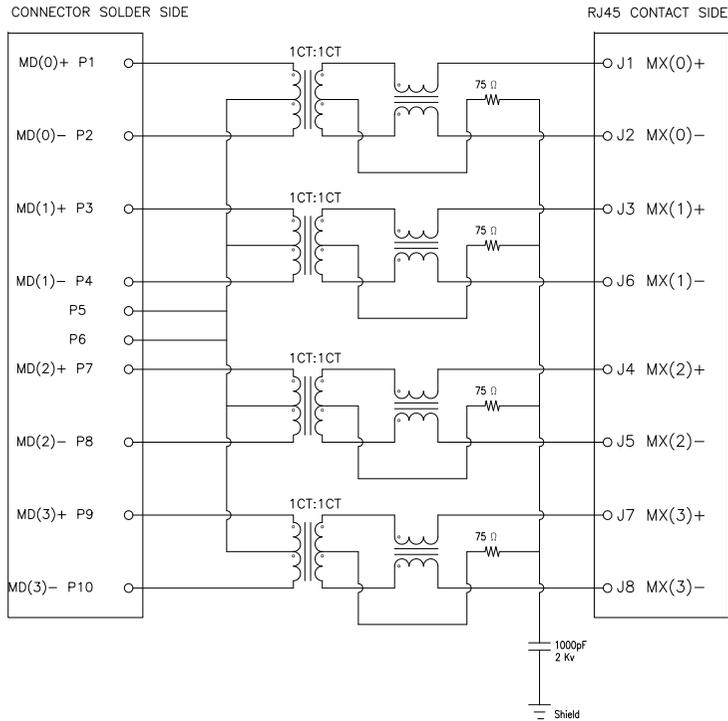
PART 68,SUBPART F.

NO	VARIETY	QTY	MATERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2015/12/03	PART NAME: RJ45 CONNECTORS,W/LED THRU.HOLE 1000Mbps,FILTER
		CHECKED BY: Vicky Hsieh	DATE : 2015/12/03	PART NO. MRJG-11T228RS
		APPROVED BY1: Richard Hsieh	DATE : 2015/12/03	MOLD NO. NA
		APPROVED BY2: Richard Hsieh	DATE : 2015/12/03	DRAW NO. SHEET NO. 1 OF 3

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/01/28	Phebe Su
A1			Shared molding	2015/12/03	Phebe Su

2. SCHEMATIC:



ORDER INFORMATION :

M R J G - 1 1 T 228 R S
 Matrix-RJ45 RS : ROHS
 F : 10/100 HF : Halogen Free
 G : 10/100/1000
 N : Pure Connector
 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

3. ELECTRICAL CHARACTERISTICS :

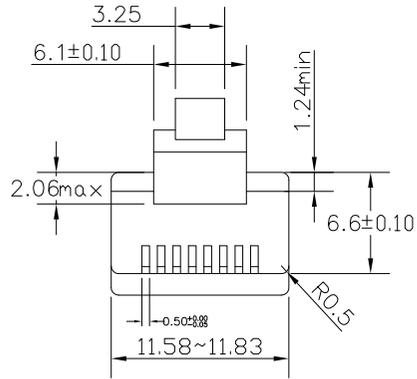
TEST NOTES:(25°±5°C)

- TR:(100KHz,0.1V); 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)=1Ω 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

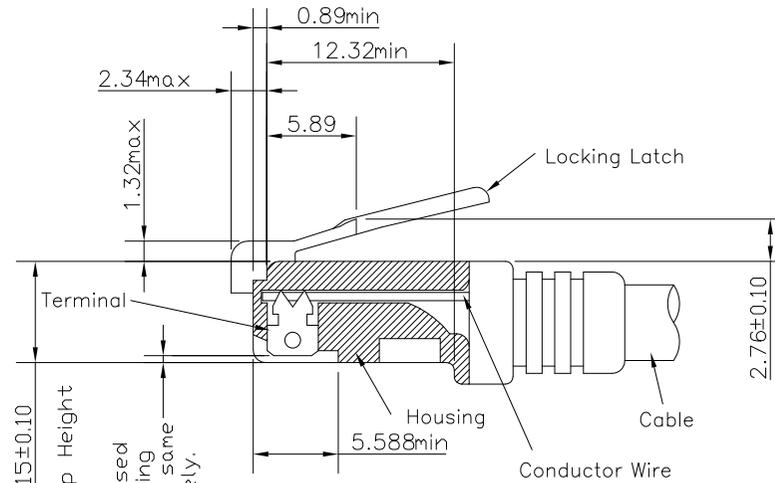
NO	VARIETY	QTY	MATERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2015/12/03	PART NAME: RJ45 CONNECTORS,W/LED THRU,HOLE 1000Mbps,FILTER
 UNIT: mm [inch]		CHECKED BY: Vicky Hsieh	DATE : 2015/12/03	PART NO. MRJG-11T228RS
SCALE:1:1 SIZE:A4		APPROVED BY1: Richard Hsieh	DATE : 2015/12/03	MOLD NO. NA
		APPROVED BY2: Richard Hsieh	DATE : 2015/12/03	DRAW NO. SHEET NO. 2 OF 3

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/01/28	Phebe Su
A1			Shared molding	2015/12/03	Phebe Su

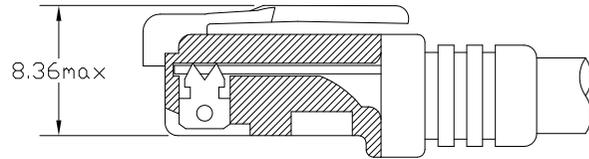


- * There must be no damage to housing or locking latch. There must be no nicks or cuts in cable.
- * Durability : 750 cycles generally



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)

NO	VARIETY	QTY	MATERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2015/12/03	PART NAME: RJ45 CONNECTORS,W/LED THRU.HOLE 1000Mbps,FILTER
 UNIT: mm [inch]		CHECKED BY: Vicky Hsieh	DATE : 2015/12/03	PART NO. MRJG-11T228RS
SCALE:1:1 SIZE:A4		APPROVED BY1: Richard Hsieh	DATE : 2015/12/03	MOLD NO. NA
		APPROVED BY2: Richard Hsieh	DATE : 2015/12/03	DRAW NO. SHEET NO. 3 OF 3