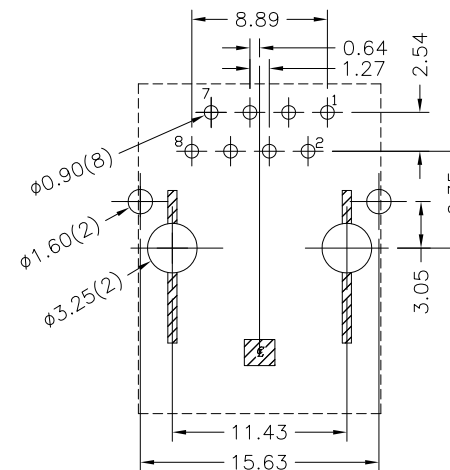
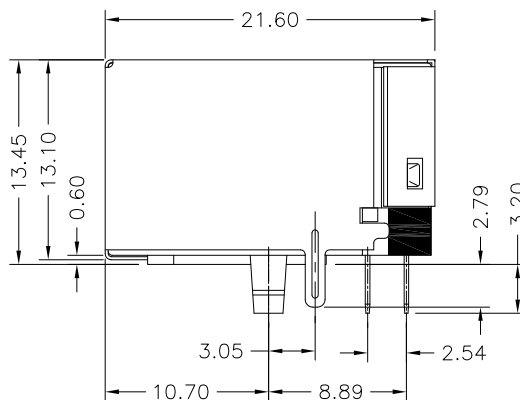
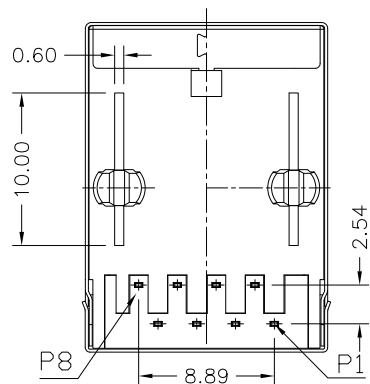
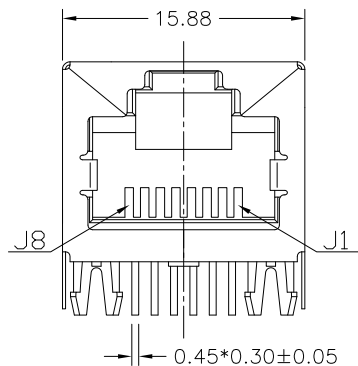
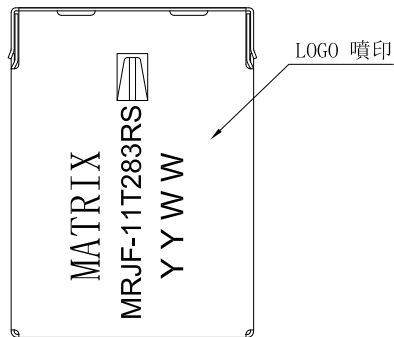


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/04/28	Phebe Su

1. MECHANICAL DIMENSIONS :



SUGGESTED PCB LAYOUT

(TOP VIEW)

DIMENSIONAL TOLERANCE: ±0.05

NOTES:

1. MATERIALS:

HOUSING: PBT UL94V-0 WHITE

CONTACTS: T=0.35 PHOSPHOR BRONZE, 35μ" NICKEL
MIN UNDERPLATE ON ALL AREA, 100μ"
MATTE TIN ON TERMINATION END, 6U'
GOLD ON CONTACT AREA.

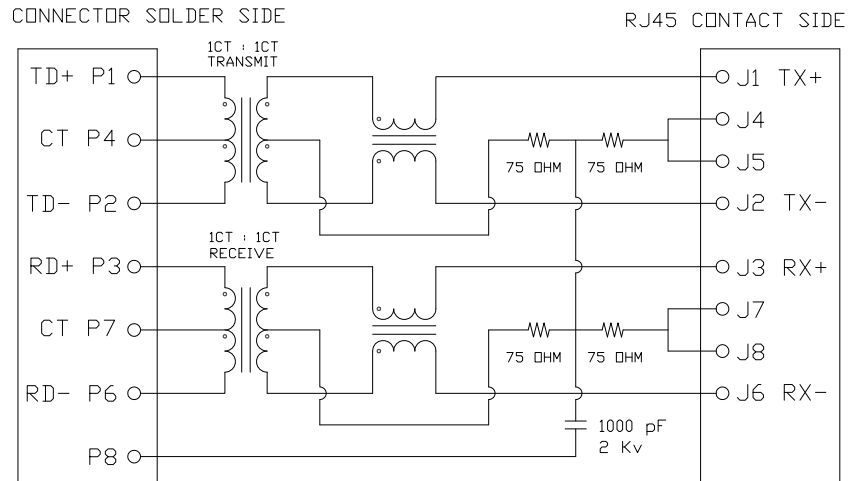
2. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUBPART F

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 : 2015/04/28	PART NAME: RJ45 CONNECTORS, W/O LED, SHIELDED 10/100, FILTER
CHECKED BY: Vicky Hsieh		DATE : 2015/04/28	PART NO.	MRJF-11T283RS
APPROVED BY1: Richard Hsieh		DATE : 2015/04/28	MOLD NO.	NA
APPROVED BY2: Richard Hsieh		DATE : 2015/04/28	DRAW NO.	
SCALE:1:1 SIZE:A4		SHEET NO.	1 OF 3	

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/04/28	Phebe Su

2. SCHEMATIC:



ORDER INFORMATION :

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

3. ELECTRICAL CHARACTERISTICS :

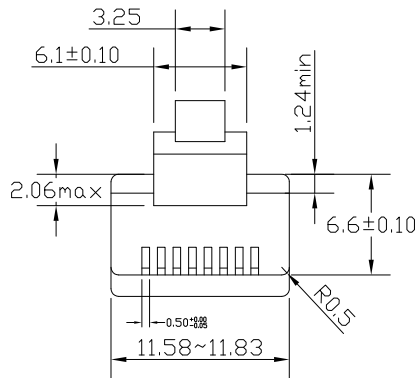
TEST NOTES:(25°±5°C)

- TR:(100KHz,0.1V); 100%
PINS:(P1,P2):(J1,J2)=1:1±3%;(P3,P6):(J3,J6)=1:1±3%
- LX:(100KHz,100mV,8mA, DC Bias) 100%
PINS:(P1,P2),(P3,P6)=350uH MINIMUM
- DCR: 100%
PINS:(J1,J2),(J3,J6)=1.2Ω MAXIMUM
- HIPOT: 100%
PINS(P1,P2)TO(J1,J2)=1500VAC OR 2250VDC FOR 60 SECONDS
PINS(P3,P6)TO(J3,J6)=1500VAC OR 2250VDC FOR 60 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

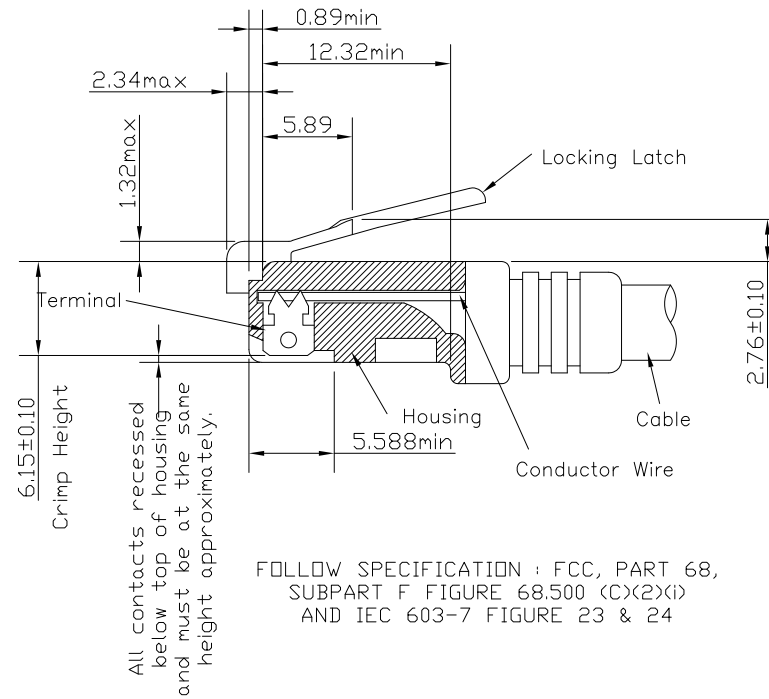
NO	VARIETY	QTY	MATERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2015/04/28	PART NAME: RJ45 CONNECTORS w/O LED, SHIELDED 10/100/FILTER
UNIT: mm [inch]		CHECKED BY: Vicky Hsieh	DATE : 2015/04/28	PART NO. MRJF-11T283RS
SCALE:1:1 SIZE:A4		APPROVED BY1: Richard Hsieh	DATE : 2015/04/28	MOLD NO. NA
		APPROVED BY2: Richard Hsieh	DATE : 2015/04/28	DRAW NO.
				SHEET NO. 2 OF 3

GP Component

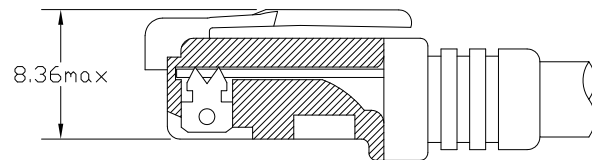
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2015/04/28	Phebe Su



- * 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



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

STANDARD MODULAR PLUG ASSEMBLY

NO	VARIETY	QTY	METERIAL	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 : 2015/04/28	PART NAME: RJ45 CONNECTORS, W/O LED, SHIELDED 10/100, FILTER
UNIT: mm [inch]		CHECKED BY: Vicky Hsieh	DATE : 2015/04/28	PART NO. MRJF-11T283RS
SCALE: 1:1 SIZE: A4		APPROVED BY1: Richard Hsieh	DATE : 2015/04/28	MOLD NO. NA
		APPROVED BY2: Richard Hsieh	DATE : 2015/04/28	DRAW NO.
				SHEET NO. 3 OF 3