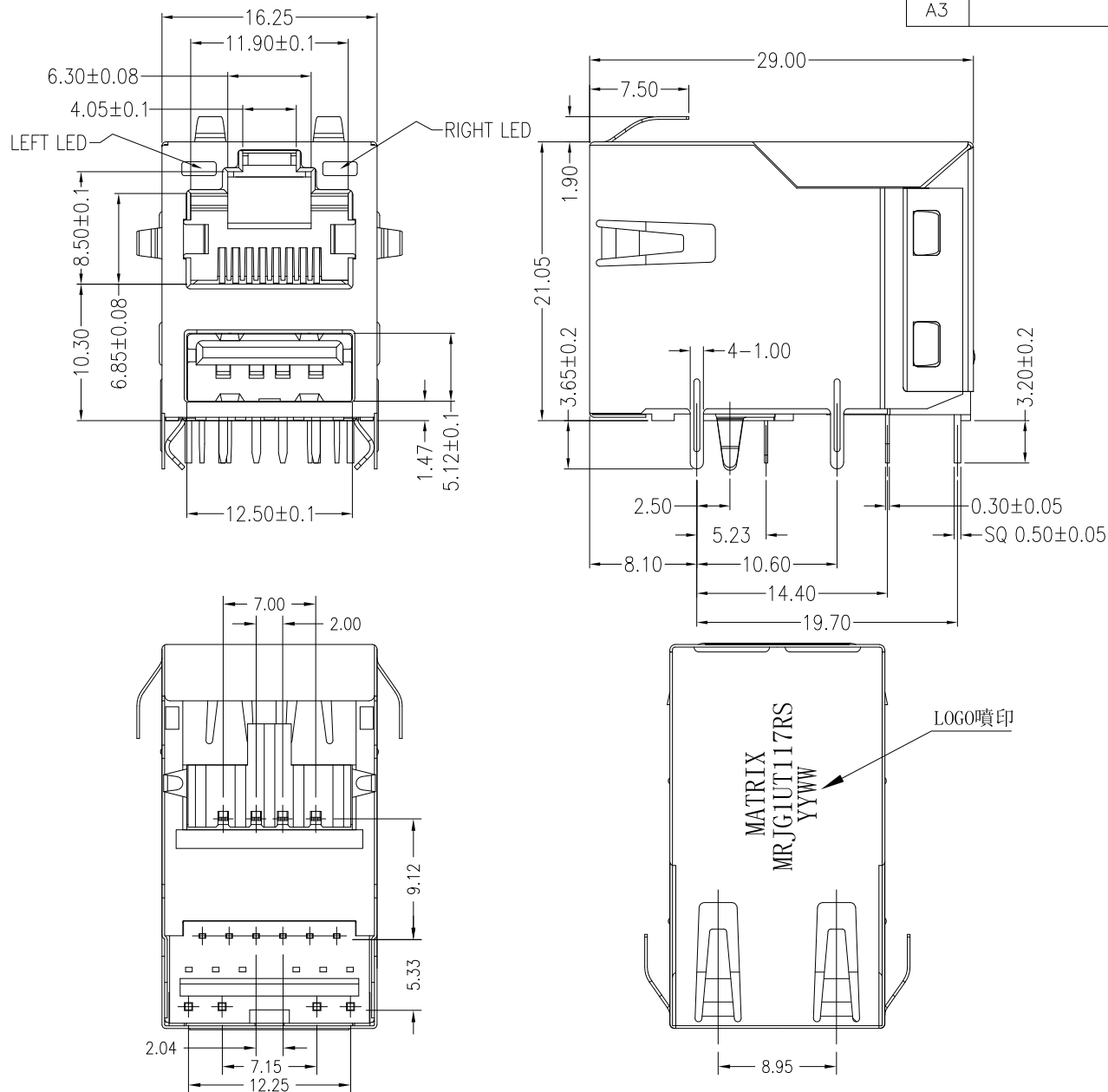


GP Component

1.Mechanical:



REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2014/03/10	Jamie Zie
A1			Change	2014/05/20	Phebe Su
A2			Change Process	2014/07/21	Phebe Su
A3			Change	2015/05/13	Phebe Su

NOTES:

1.MATERIAL:

HOUSING:PBT PLASTIC BLACK(UL94V-0)

CONTACT:PHOSPHOR BORNZE

SHELL:SUS201-1/2H T=0.20MM

2.FINISHED:

CONTACT:50u"MIN. NICKEL UNDERPLATING ALL AREA,100u"MIN.

TIN ON SOLDER TAILS,SELECT G/F PLATING ON CONTACT AREA.

SHELL:30u"MIN. NICKEL PRE-PLATING ALL AREA

3.USB MECHANICAL:

HOUSING:PBT

CONTACT:PHOSPHOR BORNZE G/F PLATING ON CONTACT AREA

SHELL:SPCC

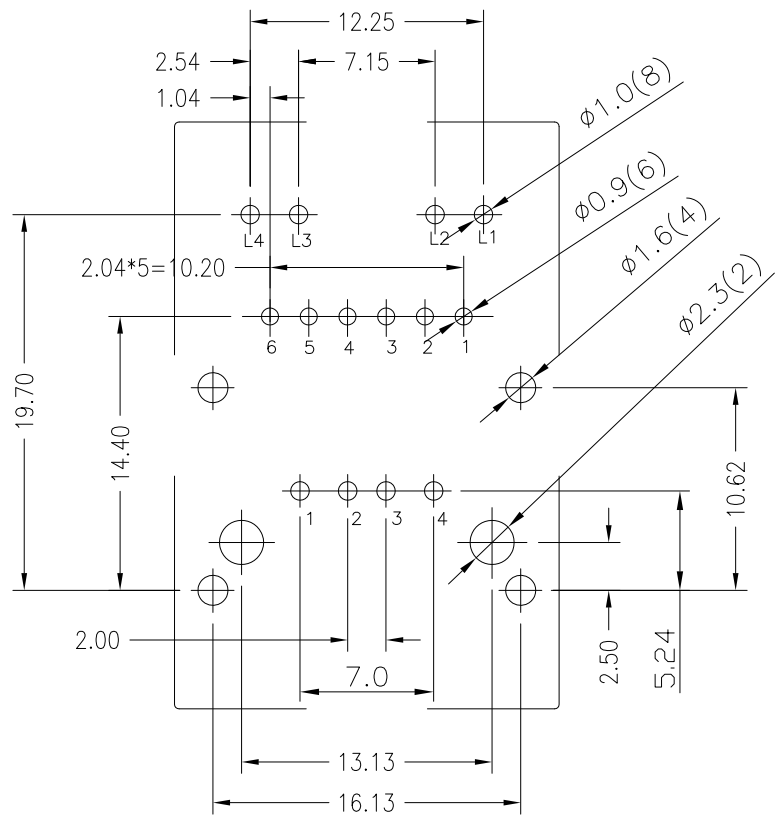
4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

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 : 2015/05/13	PART NAME: RJ45+USB2.0CONN.W/LED 10/100 MHZ FILTER
CHECKED BY: Joyce Cho		DATE : 2015/05/13	PART NO.	MRJG-1UT117RS
APPROVED BY1: Richard Hsieh		DATE : 2015/05/13	MOLD NO.	NA
APPROVED BY2: Richard Hsieh		DATE : 2015/05/13	DRAW NO.	
SCALE:1:1 SIZE:A4			SHEET NO.	1 OF 4

GP Component

2. PCB LAYOUT:

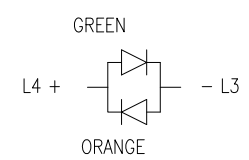


RECOMMENED PCB LAYOUT
COMPONENT SIDE
TOLERANCE ± 0.05

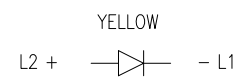
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2014/03/10	Jamie Zie
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A2			Change Process	2014/07/21	Phebe Su
A3			Change	2015/05/13	Phebe Su

3. LED

LEFT LED:



RIGHT LED:



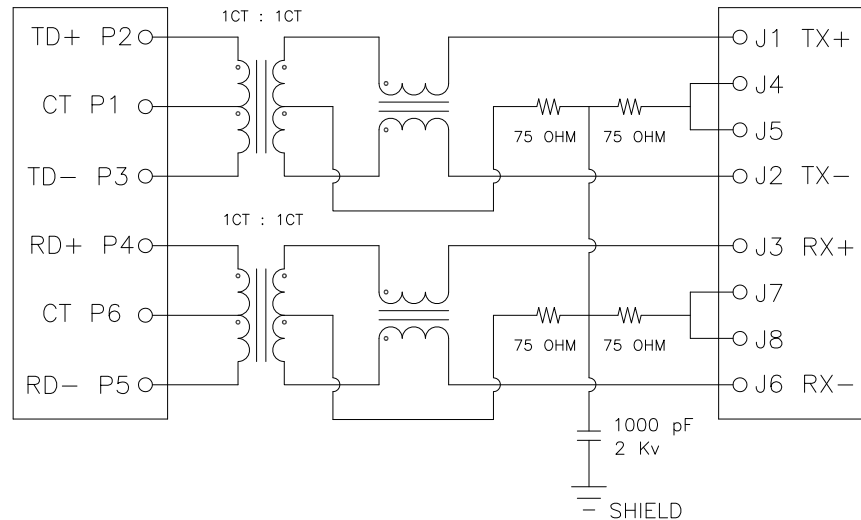
NO	VARIETY	QTY	METERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X.X ±0.38 X.XX ±0.25 X.XXX ±0.13 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2015/05/13	PART NAME: RJ45+USB2.0CONN.W/LED 10/100 MHZ FILTER
 UNIT: mm [inch]		CHECKED BY: Joyce Cho	DATE : 2015/05/13	PART NO. MRJG-1UT117RS
 UNIT: mm [inch]		APPROVED BY1: Richard Hsieh	DATE : 2015/05/13	MOLD NO. NA
SCALE:1:1 SIZE:A4		APPROVED BY2: Richard Hsieh	DATE : 2015/05/13	DRAW NO. SHEET NO. 2 OF 4

GP Component

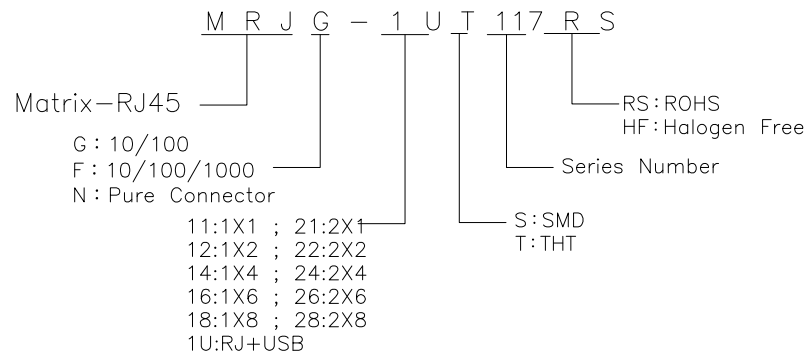
4. SCHEMATIC:

CONNECTOR SOLDER SIDE

RJ45 CONTACT SIDE



ORDER INFORMATION :



REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2014/03/10	Jamie Zie
A1			Change	2014/05/20	Phebe Su
A2			Change Process	2014/07/21	Phebe Su
A3			Change	2015/05/13	Phebe Su

6. ELECTRICAL CHARACTERISTICS :

TEST NOTES:(25°±5°C)

1. TR:(100KHz,0.1V); 100%

PINS:(P2,P3):(J1,J2)=1:1±3%;(P4,P5):(J3,J6)=1:1±3%

2. LX:(100KHz,100mV,8mA, DC Bias) 100%

PINS:(P2,P3),(P4,P5)=350uH MINIMUM

3. DCR: 100%

PINS:(J1,J2),(J3,J6)=1.2 MAXIMUM

4. HIPOT: 100%

PINS(P2,P3)TO(J1,J2),(P4,P5)TO(J3,J6)=1500VAC OR 2250VDC FOR 2 SECONDS

5. INSERTION LOSS:

-1.0dB MAXIMUM AT 1MHz TO 100MHz;

6.RETURN LOSS:

-20dB MINIMUM AT 1MHz TO 30MHz;

-15dB MINIMUM AT 30MHz TO 60MHz

-10dB MINIMUM AT 60MHz TO 80MHz

7.CROSS TALK:

-30dB MINIMUM AT 1MHz TO 100MHz

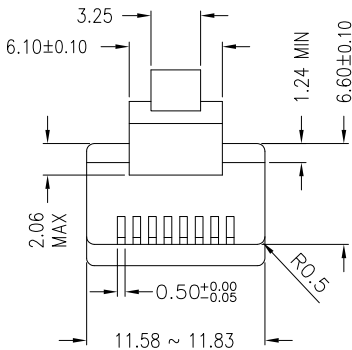
8.COMMON TO COMMON MODE REJECTION:

-30dB MINIMUM AT 1MHz TO 100MHz

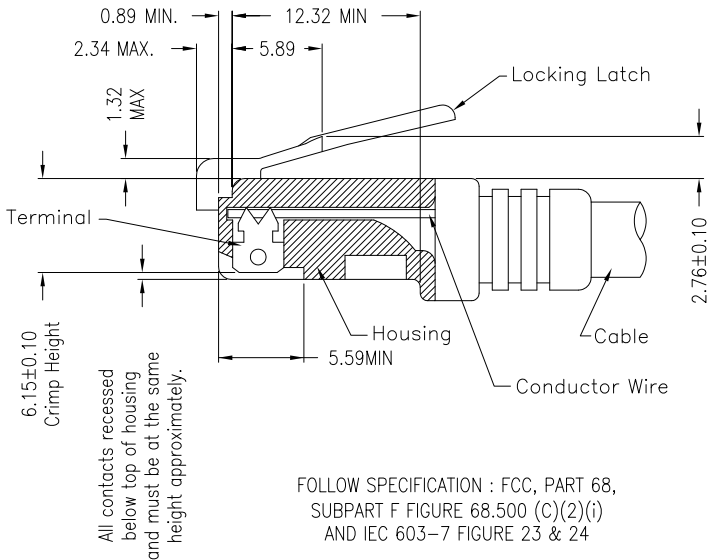
NO	VARIETY	QTY	METERIAL	REMARK
 Matrix Electronics Co.,Ltd				
TOLERANCE: X:X ±0.38 X:XX ±0.25 X:XXX ±0.13 ANGLE: ±3°		DESIGN BY : Phebe Su	DATE : 2015/05/13	PART NAME: RJ45+USB2.0CONN.W/LED 10/100 MHZ FILTER
CHECKED BY: Joyce Cho		DATE : 2015/05/13	PART NO.	MRJG-1UT117RS
APPROVED BY1: Richard Hsieh		DATE : 2015/05/13	MOLD NO.	NA
APPROVED BY2: Richard Hsieh		DATE : 2015/05/13	DRAW NO.	
SHEET NO.		3 OF 4		

GP Component

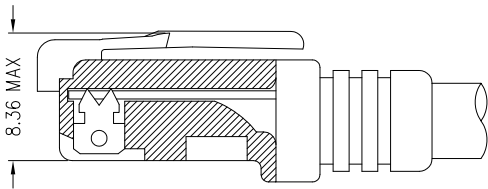
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2014/03/10	Jamie Zie
A1			Change	2014/05/20	Phebe Su
A2			Change Process	2014/07/21	Phebe Su
A3			Change	2015/05/13	Phebe Su



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



STANDARD MODULAR PLUG ASSEMBLY



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

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 : 2015/05/13	PART NAME: RJ45+USB2.0CONN.W/LED 10/100 MHZ FILTER
		CHECKED BY: Joyce Cho	DATE : 2015/05/13	PART NO. MRJG-1UT117RS
		APPROVED BY1: Richard Hsieh	DATE : 2015/05/13	MOLD NO. NA
UNIT: mm [inch]		APPROVED BY2: Richard Hsieh	DATE : 2015/05/13	DRAW NO.
SCALE:1:1 SIZE:A4				SHEET NO. 4 OF 4