



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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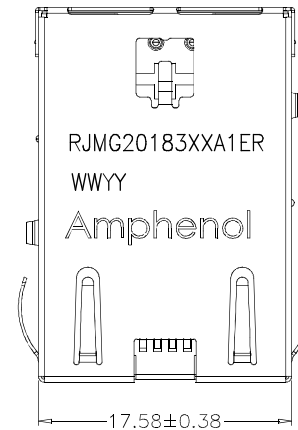
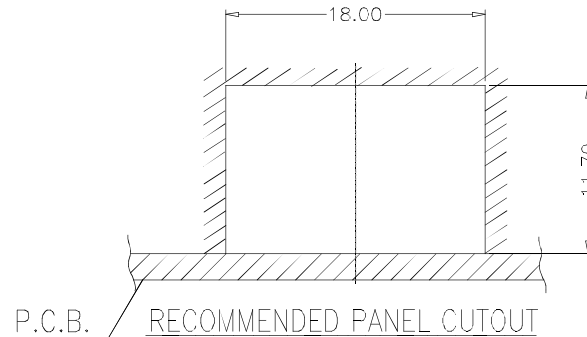
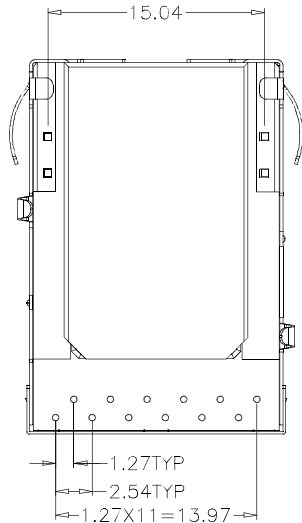
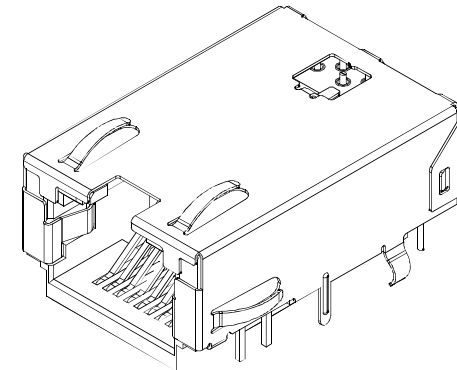
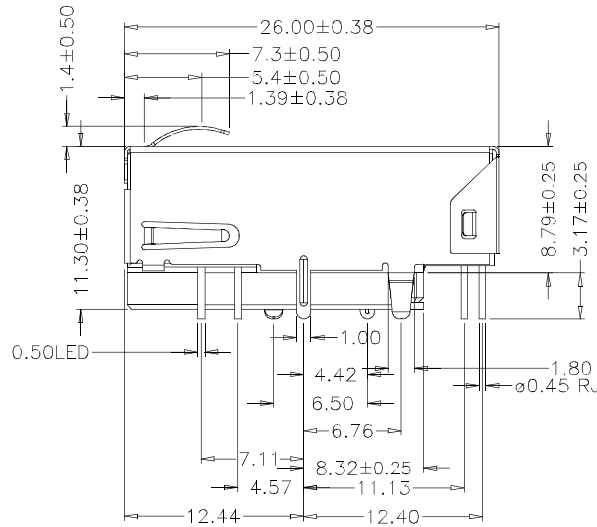
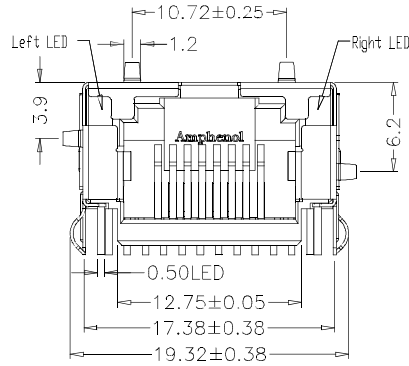


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The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.

CUSTOMER DRAWING

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX1		NEW PROPOSAL DRAWING	8/17/2012	Tony Lin
AX2		CHANGE THE EMI TAB POSITIONS	9/27/2012	Tony Lin
AX3		UPDATE THE HEIGHT TO 8.79.	10/17/2012	Tony Lin
AX4		ADD LED CLARIFICATION	02/27/2013	Roger Tsai



TOLERANCE	APPROVALS	DATE	TITLE		Amphenol®	
X. ±0.35	DRAWN Devin Yen	02/27/2013	RJ45 1X1 GIGABIT SINK TYPE WITH FILTER AND LED		Amphenol Corporation Amphenol Taiwan Corporation	
X.XX ±0.25	CHECKED Vivian Wen	02/27/2013				
X.XXX ±0.15	APPROVED Roger Tsai	02/27/2013				
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE GT389	UNIT mm	SIZE A3	PART No. RJMG20183XXA1ER	
UNLESS OTHERWISE SPECIFIED			SCALE NA	SHEET 1 OF 3	DWG No. RJMG20183XXA1ER	REV. AX4

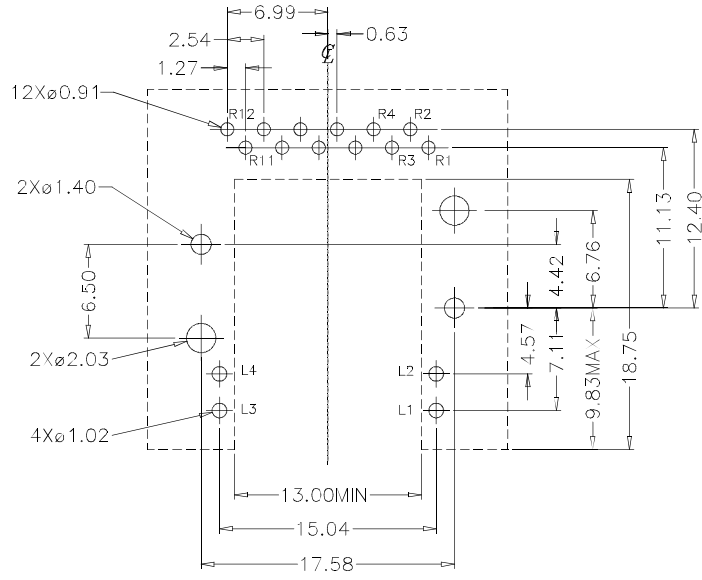
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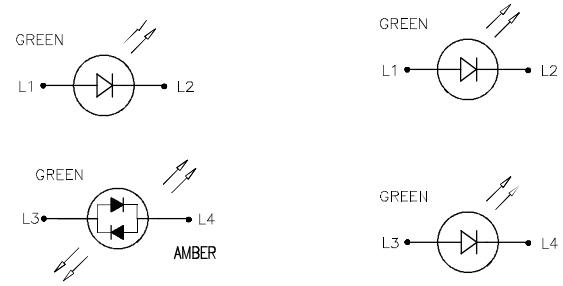
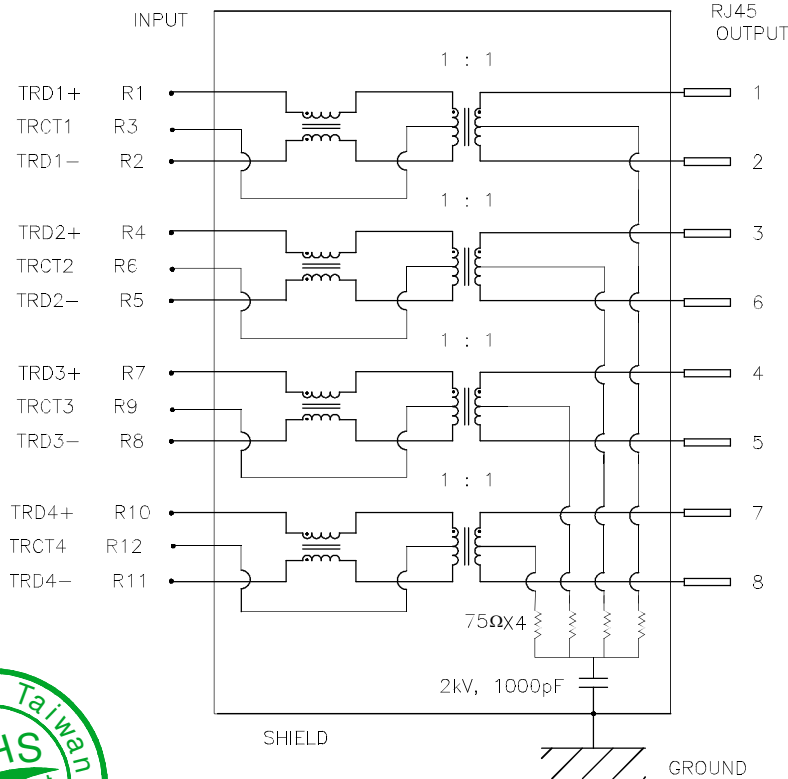
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SCHEMATIC VERSION A, 8K1

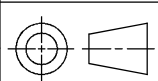


RECOMMENDED PCB LAYOUT
COMPONENT SIDE

ALL DIMENSION TOLERANCE ARE ±0.08mm UNLESS OTHERWISE SPECIFIED



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	CHECKED	Vivian Wen	02/27/2013			Amphenol Taiwan Corporation								
	APPROVED	Roger Tsai	02/27/2013			PART No.	RJMG20183XXA1ER							
	DWG TYPE	CUST DWG	PROJECT CODE	GT389	UNIT	mm	SIZE	A3	SHEET	2 OF 3	DWG No.	RJMG20183XXA1ER	REV.	AX4



UNIT mm
SCALE NA
SIZE A3
SHEET 2 OF 3

PART No. RJMG20183XXA1ER
DWG No. RJMG20183XXA1ER
REV. AX4

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MATERIALS:

1.Terminal Parts:

1.1.RJ Terminal :Phosphor Bronze,Thickness=0.30mm
Finish:30u" gold on contact area.

1.2.RJ input Terminal :Phosphor Bronze, Diameter 0.45mm
Finish:100u" min. tin over 50~100u" Nickel.
100u" min. matte tin plating on solder tails

1.3.Module Terminal : Phosphor Bronze, Diameter 0.40mm.
Finish:100u" min. tin over 50~100u" Nickel.

2.Plastic Parts:

2.1.Housing : High temp. Thermoplastic , Black
Flame Class:UL94 V-0

2.2.Coil Case : High temp. Thermoset plastic, Black
Flame Class:UL94 V-0

3.Shell Parts:

3.1.Shell : Stainless Steel,Thickness=0.20mm,
Grounding Leg : Pre-soldering.

OTHERS:

1.Operating Temperature : 0°C TO +70°C

2.Storage Temperature : -40°C TO +85°C

3.WAVE SOLDERING TEMPRATURE :265 DEG.C 10 SEC MAX

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

ELECTRICAL SPECIFICATION(@25° C)

LED PERFORMANCE

PARAMETER	SINGLE COLOUR		BICOLOUR		UNITS
	GREEN	GREEN	AMBER		
FORWARD CURRENT IF MAX	20		30		mA
REVERSE CURRENT IR MAX	10		10		uA
REVERSE VOLTAGE VR MAX	-5		-5		V
T OPERATURE	-40~+85		-40~+85		°C
T SOLDERING	260+/-5		260+/-5		°C
POWER DISS. Pd	70		70		mW
PEAK WAVELENTH	565	565	605		nM
FORWARD VOLTAGE TYP	2.2	2.2	2.2		(@IF=20mA)
FORWARD VOLTAGE MAX	2.5	2.5	2.5		(@IF=20mA)

CONNECTOR PERFORMANCE

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/TEST CONDITIONS
INSERTION LOSS (RX/TX)	-1.0dB MAX.	1-100 MHz
RETURN LOSS (RX/TX)	-18dB MIN. -16dB MIN. -12dB MIN. -10dB MIN.	1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
CM-CM REJECTION	-30dB MIN.	1-100 MHz
CROSSTALK ISOLATION (RX/TX)	-30dB MIN.	1-100 MHz
HIPOT (ISOLATION)	1.5kVrms MIN.	60S
QCL	350uH MIN.	100KHz 100mV 8mA
TURN RATIO	1:1±5%	

RJMG20183 X X A1ER

LED1 (RIGHT SIDE)

0- No LED (Blocked Hole)
1- Green
P- Bi color Green/Amber

LED2 (LEFT SIDE)

0- No LED (Blocked Hole)
1- Green
P- Bi color Green/Amber



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UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE GT389			SCALE NA	SHEET 3 OF 3	DWG No. RJMG20183XXA1ER	