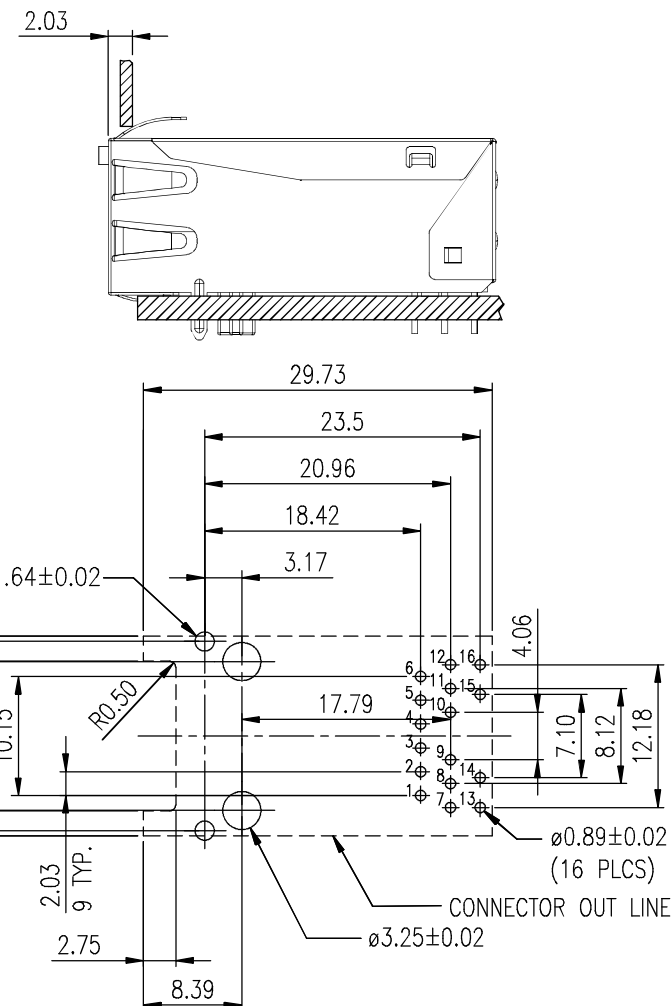
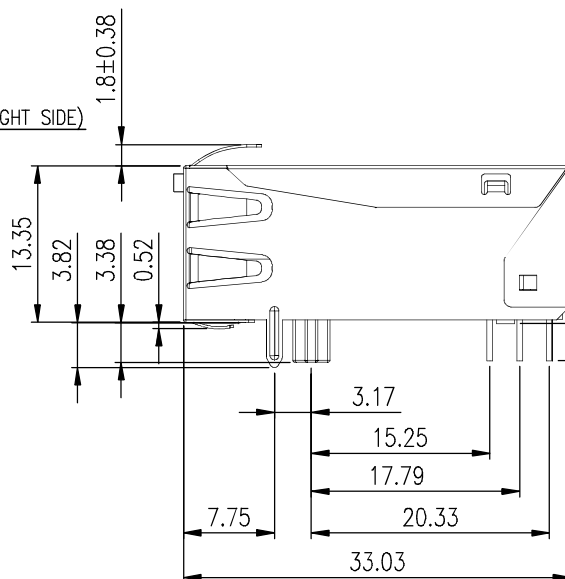
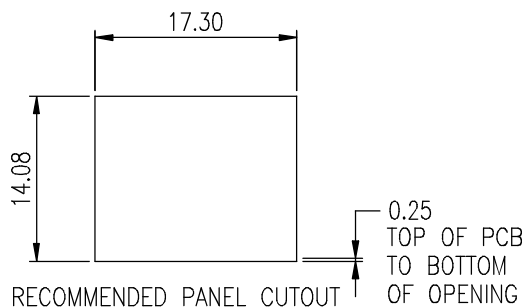
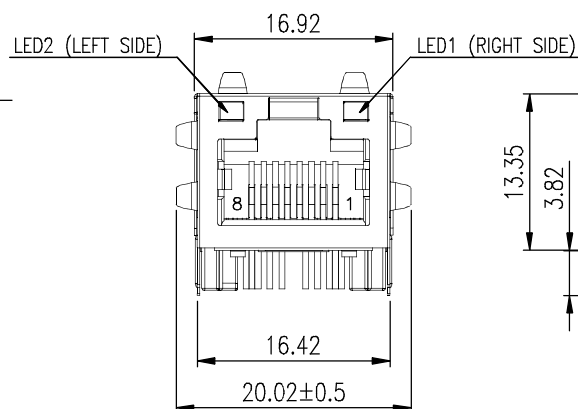
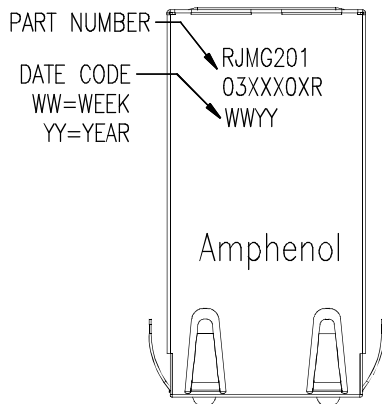
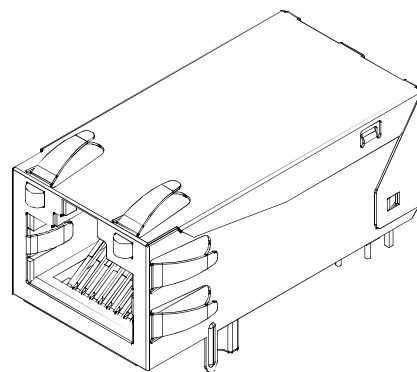


The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00239 for Sony GP compliant or per directive 2011/65/UC for RoHS compliant.

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
A		NEW RELEASE	1/24/2008	Greg L
B	ECN-12-006	UPDATE THE DIMENSIONS IN PAGE 1 TO MEET THE PCB LAYOUT	5/16/2012	Sunky Shann
C1		ADD NEW SCHEMATIC DRAWING	02/21/2013	Roger Tsoi



RECOMMENDED P.C.B LAYOUT
COMPONENT SIDE OF BOARD
DIMENSIONAL TOLERANCE: .XX ±0.05

TOLERANCE		APPROVALS	DATE	TITLE			Amphenol[®] Amphenol Corporation Amphenol Taiwan Corporation		
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15		DRAWN Devin Yen	02/21/2013	RJMG201 SERIES					
		CHECKED Vivian Wen	02/21/2013	RJmag GIGABIT SINGLE PORT 1:1 RATIO					
ANGULAR ±1°		APPROVED Roger Tsai	02/21/2013		UNIT mm	SIZE A3	PART No. RJMG20103XXX0XR		
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE GT262			SCALE NA	SHEET 1 OF 4	DWG No. RJMG20103XXX0XR	REV. C1	

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CUSTOMER DRAWING

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ELECTRICAL SPECIFICATION(@25° C)

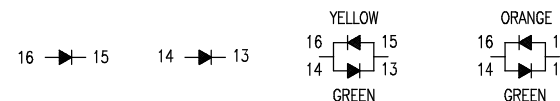
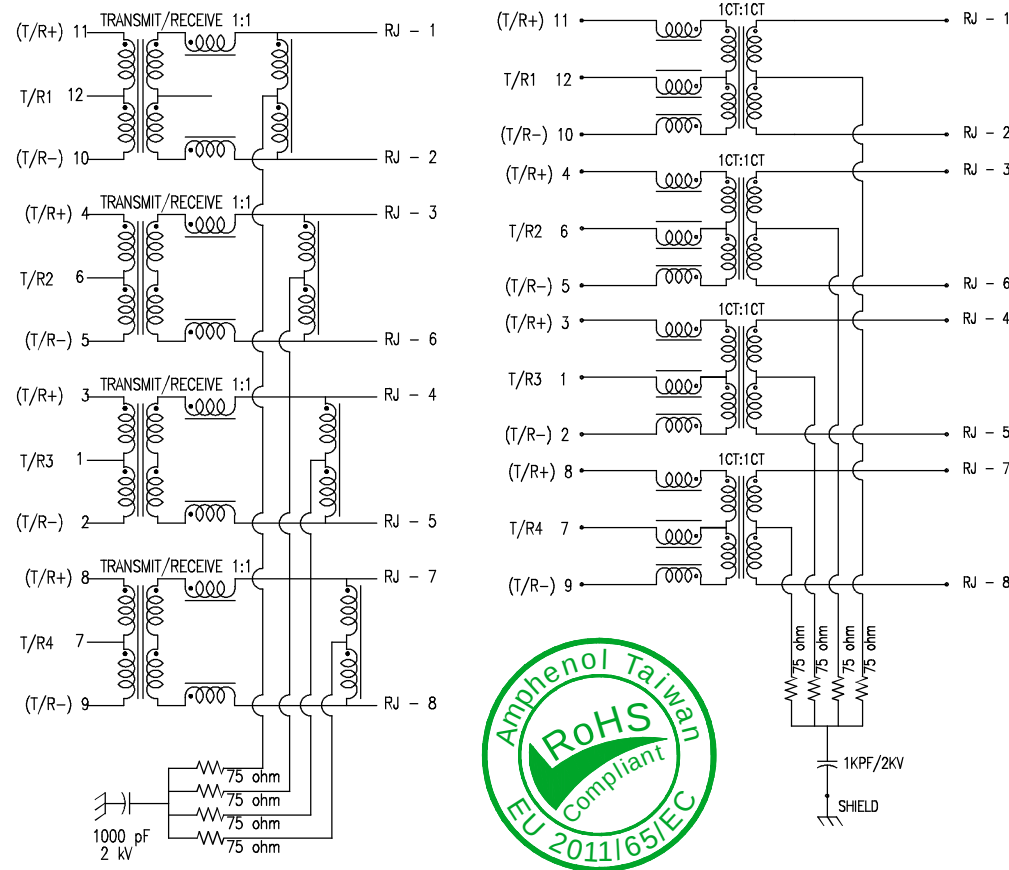
CONNECTOR PERFORMANCE

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/TEST CONDITIONS
INSERTION LOSS (RX/TX)	-0.8dB MAX. -1.2dB MAX.	0.1-100 MHz 100-125 MHz
RETURN LOSS (RX/TX)	-16dB MIN. -10+20 log(f/80MHz)dB MIN.	0.5-40 MHz 40-100 MHz
CM-CM REJECTION	-30dB MIN.	100 KHz-100 MHz
CM-DM REJECTION	-35dB MIN.	100 KHz-100 MHz
CROSSTALK ISOLATION (RX/TX)	-30+20 log(f/100MHz)dB MIN.	100 KHz-100 MHz
HIPOT (ISOLATION)	1.5kVrms MIN.	60S
OCL	350uH MIN.	100KHz 100mV 8mA
TURN RATIO	1:1±5%	

LED PERFORMANCE

PARAMETER	SINGLE COLOUR		BICOLOUR				UNITS
	GREEN	YELLOW	GREEN	YELLOW	GREEN	ORANGE	
FORWARD CURRENT IF MAX	30	30	30		30		mA
REVERSE CURRENT IR MAX	10	10	10		10		uA
REVERSE VOLTAGE VR MAX	-5	-5	-5		-5		V
T OPERATURE	-40~+85	-40~+85	-40~+85		-40~+85		°C
T SOLDERING	260+/-5	260+/-5	260+/-5		260+/-5		°C
POWER DISS. Pd	70	70	70		70		mW
PEAK WAVELENTH	565	585	565	585	565	605	nM
FORWARD VOLTAGE TYP	2.5	2.1	2.2	2.1	2.2	2.0	V (@IF=20mA)
FORWARD VOLTAGE MAX	2.9	2.6	2.6	2.6	2.6	2.6	V (@IF=20mA)

SCHEMATIC DRAWING



LED DETAIL

TOLERANCE		APPROVALS		DATE	TITLE			Amphenol®		
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15		DRAWN Devin Yen		02/21/2013	RJMG201 SERIES			Amphenol Corporation Amphenol Taiwan Corporation		
		CHECKED Vivian Wen		02/21/2013	RJmag GIGABIT SINGLE PORT					
ANGULAR ±1°		APPROVED Roger Tsai		02/21/2013		UNIT mm	SIZE A3	PART No. RJMG20103XXX0XR		
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG	PROJECT CODE GT262			SCALE NA	SHEET 2 OF 4	DWG No. RJMG20103XXX0XR	REV. C1	

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LED1 (RIGHT SIDE)

- 0- No LED (Blocked Hole)
1- Green
2- Yellow
4- Bi-color Green/Yellow
6- Bi color Green/Orange

- R: RoHS Compliant; A electrical specifications

LED2 (LEFT SIDE) SEE LED1 OPTIONS

- 0- No LED (Blocked Hole)
1- Green
2- Yellow
4- Bi-color Green/Yellow
6- Bi color Green/Orange

— PLATING AND PACKAGE

N: Gold 30u Inches

F: Gold 50u Inches

TERMINATION OPTIONS

- 1: 4 X 75 OHM RESISTORS,12 cores 1000 pf (2KV)
3: 4 X 75 OHM RESISTORS,8 cores 1000pF(2KV)

MATERIALS:

INSULATOR: THERMOPLASTIC POLYESTER,
COLOR: BLACK
FLAMMABILITY RATING UL 94V-0

CONTACTS (RJ45): PHOSPHOR BRONZE
PLATING: GOLD 30U" PLATING ON MATING SURFACES.
120 MICRONS PURE TIN ON TAILS.

SHIELD: STAINLESS STEEL T=0.20 MM.

MECHANICAL FEATURES:

PACKAGING: 40PCS/PLASTIC TRAY, 400 PCS/CARTON
MEET FCC PART 68.500 REQUIREMENTS.

Environmental

OPERATING TEMPERATURE: 0°C TO +70°C.
STORAGE TEMPERATURE: -40°C TO +85°C.
WAVE SOLDERING TEMPERATURE: 260°C FOR 10 SECONDS

TOLERANCE		APPROVALS	DATE	TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation		
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15		DRAWN Devin Yen	02/21/2013	RJMGM201 SERIES RJmag GIGABIT SINGLE PORT 1:1 RATIO					
		CHECKED Vivian Wen	02/21/2013		UNIT mm	SIZE A3	PART No. RJMGM20103XXX0XR		
ANGULAR ±1°		APPROVED Roger Tsai	02/21/2013		SCALE NA	SHEET 3 OF 4	DWG No. RJMGM20103XXX0XR		REV. C1
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG	PROJECT CODE GT262						

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PRODUCT		TRAY P/N	COVER P/N	TRAY PER PRIMARY CARTON	PCS PER TRAY	PCS PER PRIMARY CARTON	PCS PER MASTER CARTON
P/N	PORTS						
RJMG2010XXX0XR				5	40	200	400

CHIPBOARD:
360mm x 173mm x 3mm

CHIPBOARD:
360mm x 173 x 3mm

PRODUCT
RJMG2128211A0FR

ATTENTION LABEL
FOR ESD SENSITIVE
DEVICES 74mm x 37mm

FOAM:
360mm x 173mm x 10 mm

TRAY COVER
P/N: SEE CHAR

PRIMARY CARTON

PRIMARY CARTON

REINFORCING ELEMENT
11.5mmX17mmX4mm

ATTENTION LABEL
FOR ESD SENSITIVE
DEVICES 74mm x 37mm

MASTER CARTON

ATTENTION LABEL
FOR ESD SENSITIVE
DEVICES 74mm x 37mm

204 REF
INSIDE

386 REF
INSIDE

386 REF
INSIDE



365 REF
INSIDE

187 REF
INSIDE

A
10:1

TOLERANCE		APPROVALS		DATE	TITLE				Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15		DRAWN	Devin Yen	02/21/2013	RJMG201 SERIES							
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		APPROVED	Roger Tsai	02/21/2013	1:1 RATIO							
ANGULAR ±1°						UNIT mm	SIZE A3	PART No. RJMG20103XXX0XR				
UNLESS OTHERWISE SPECIFIED		DWG TYPE	CUST DWG	PROJECT CODE	GT262		SCALE NA	SHEET 4 OF 4	DWG No. RJMG20103XXX0XR		REV. C1	

Mouser Electronics

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