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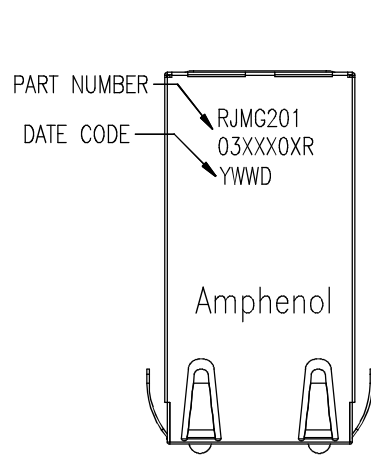
The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 For Sony GP compliant or per directive 2011/65/UC for RoHS compliant.

# CUSTOMER DRAWING

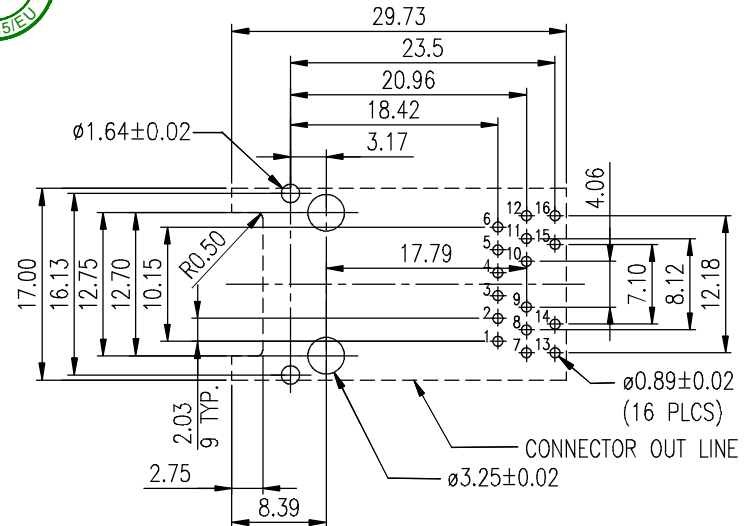
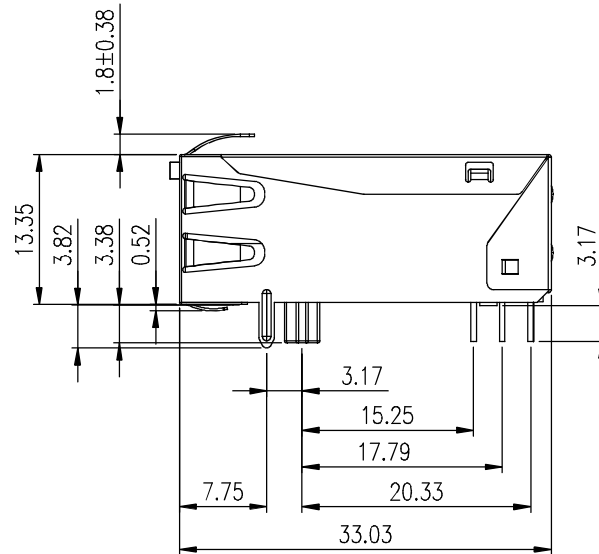
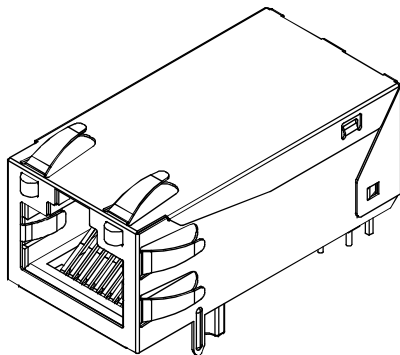
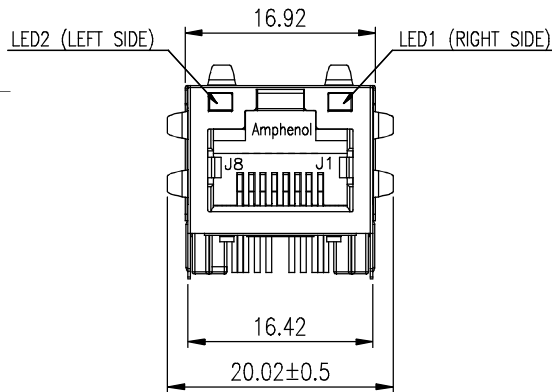
**ORIGINAL**



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 Shang
C	NE-16236	ADD ELECTRICAL SCHEMATIC FOR NEW P/N RJMG201030030R SERIES	11/04/2016	Roger Tsai



RECOMMENDED PANEL CUTOUT



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

PACKAGING	LED 1 (RIGHT SIDE)	LED 2 (LEFT SIDE)	GOLD PLATING	P/N
TRAY	GREEN	YELLOW	30u"	RJMG201031210NR
TRAY	YELLOW	GREEN/ORANGE	30u"	RJMG201032610NR
TRAY	N/A	N/A	30u"	RJMG201030010NR
TRAY	GREEN/YELLOW	GREEN/YELLOW	30u"	RJMG201034410NR
TRAY	GREEN/YELLOW	GREEN/YELLOW	30u"	RJMG201034430NR
TRAY	YELLOW	GREEN/ORANGE	30u"	RJMG201032630NR

TOLERANCE	APPROVALS	DATE	TITLE	UNIT	SIZE	PART No.
X. X.X      ±0.35 X.XX    ±0.25 X.XXX   ±0.15	DRAWN Jophy Li	11/04/2016	RJMG201 SERIES	mm	A3	RJMG20103XXX0XR
ANGULAR   ±1°	CHECKED Vivian Wen	11/04/2016	RJmag GIGABIT SINGLE PORT	SCALE	SHEET	DWG No.
UNLESS OTHERWISE SPECIFIED	APPROVED Roger Tsai	11/04/2016	1:1 RATIO	NA	1 OF 4	RJMG20103XXX0XR
	DWG TYPE CUST DWG	PROJECT CODE GT262				REV. C

**Amphenol**<sup>®</sup>  
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Amphenol Taiwan Corporation

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## ELECTRICAL SPECIFICATION(@25° C)

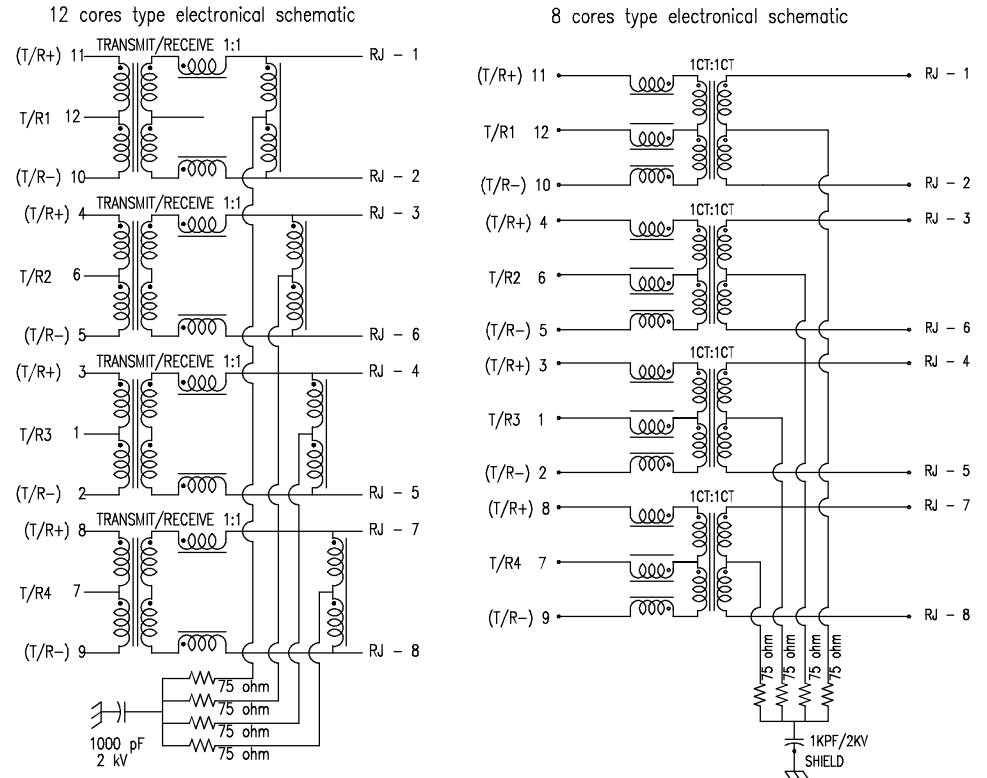
### CONNECTOR PERFORMANCE

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%	

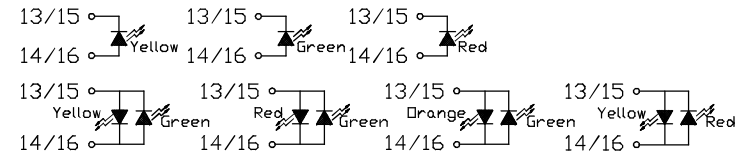
### LED PERFORMANCE

PARAMETER	SINGLE COLOUR		BICOLOUR				UNITS
	GREEN	YELLOW	GREEN	YELLOW	GREEN	ORANGE	
FORWARD CURRENT IF MAX	20	20	20	20	20	20	mA
REVERSE CURRENT IR MAX	10	10	10	10	10	10	uA
REVERSE VOLTAGE VR MAX	-5	-5	-5	-5	-5	-5	V
T OPERATURE	-40~+85	-40~+85	-40~+85	-40~+85	-40~+85	-40~+85	℃
T SOLDERING	260+/-5	260+/-5	260+/-5	260+/-5	260+/-5	260+/-5	℃
POWER DISS. Pd	75	75	75	75	75	75	mW
PEAK WAVELENTH	565~575	585~595	565~575	585~595	565~575	602~610	nM
FORWARD VOLTAGE TYP	1.85~2.45						(@IF=20mA)
FORWARD VOLTAGE MAX	2.45						(@IF=20mA)

### SCHEMATIC DRAWING



### LED OPTION



ORIGINAL



TOLERANCE	APPROVALS	DATE	TITLE	Amphenol® Amphenol Corporation Amphenol Taiwan Corporation			
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15	DRAWN Jophy Li	11/04/2016	RJMG201 SERIES RJmag GIGABIT SINGLE PORT 1:1 RATIO	UNIT mm	SIZE A3	PART No. RJMG20103XXX0XR	DWG No. RJMG20103XXX0XR REV. C
ANGULAR ±1°	APPROVED Roger Tsai	11/04/2016		SCALE NA	SHEET 2 OF 4		
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE GT262					

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RJMG-2010 - 3 X - X X - 0 X R

ORIGINAL



LED1 (RIGHT SIDE) OPTIONS

LED2 (LEFT SIDE) OPTIONS

0: No LED (Blocked Hole)

1: Green

2: Yellow

3: Red

4: Bi-color Green/Yellow

5: Bi-color Red/Green

6: Bi-color Green/Orange

7: Bi-color Red/Yellow

PLATING AND PACKAGE

L: Gold Flash

M: Gold 15u Inches

N: Gold 30u Inches

F: Gold 50u Inches

TERMINATION OPTIONS

1: 12 cores type electrical schematic for RJMG20103XX10XR

3: 8 cores type electrical schematic for RJMG20103XX30XR

MATERIALS:

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

CONTACTS (RJMG): PHOSPHOR BRONZE  
PLATING: SELECT GOLD?SEE THE P/N? PLATING ON MATING SURFACES.  
120 MICRINCHES 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®			
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15	DRAWN Jophy Li	11/04/2016	RJMG201 SERIES		Amphenol Corporation Amphenol Taiwan Corporation			
	CHECKED Vivian Wen	11/04/2016	RJmag GIGABIT SINGLE PORT					
	APPROVED Roger Tsai	11/04/2016	1:1 RATIO					
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE GT262	UNIT mm	SCALE NA	SIZE A3	PART No. RJMG20103XXX0XR	DWG No. RJMG20103XXX0XR	REV. C

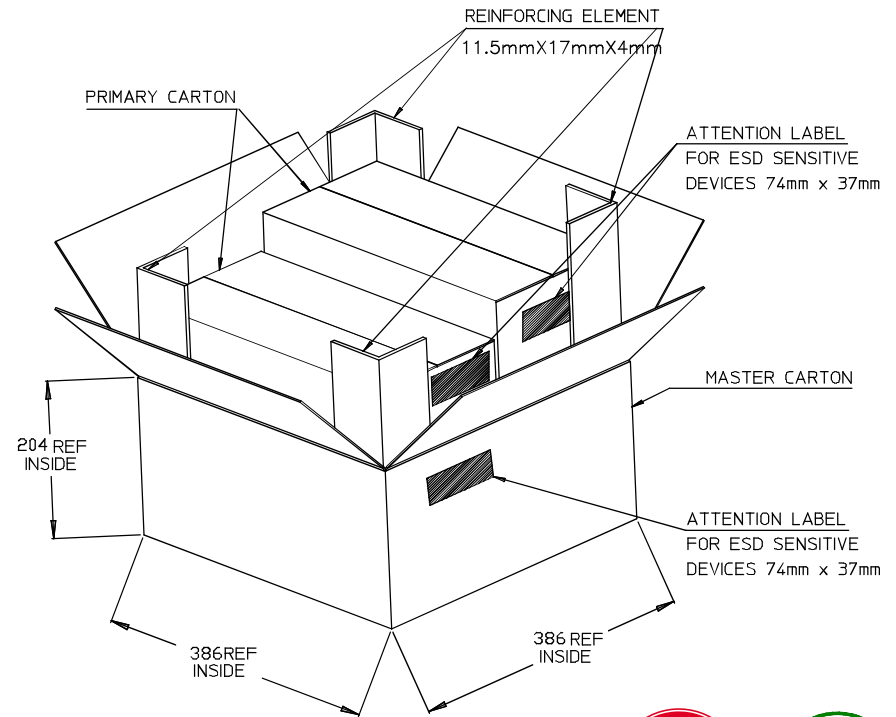
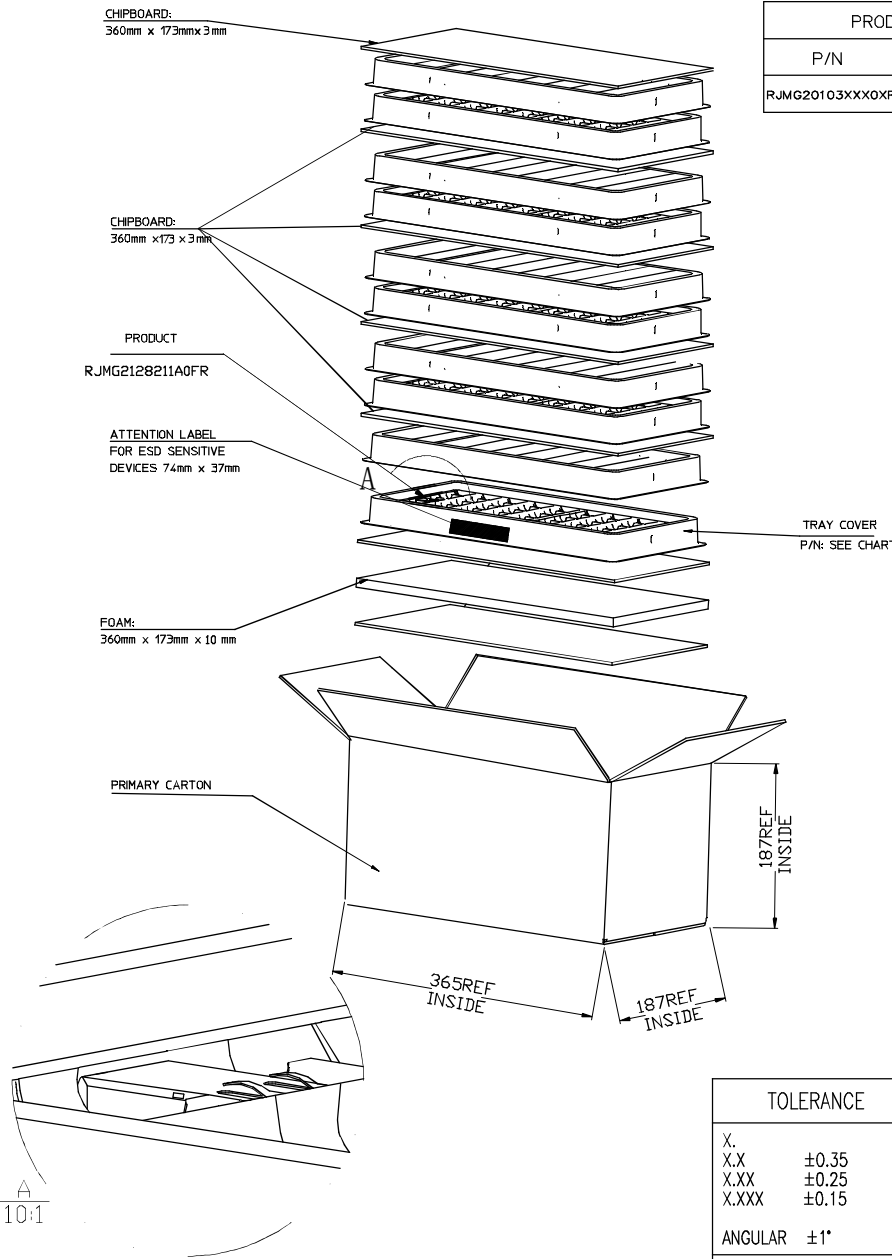
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PRODUCT		TRAY P/N	COVER P/N	TRAY PER PRIMARY CARTON	PCS PER TRAY	PCS PER PRIMARY CARTON	PCS PER MASTER CARTON
P/N	PORTS						
RJMG20103XXX0XR				5	40	200	400



ORIGINAL



TOLERANCE	APPROVALS	DATE	TITLE		Amphenol®		
X. ±0.35	DRAWN Jophy Li	11/04/2016	RJMG201 SERIES		Amphenol Corporation		
X.X ±0.25	CHECKED Vivian Wen	11/04/2016	Rjmag GIGABIT SINGLE PORT		Amphenol Taiwan Corporation		
X.XXX ±0.15	APPROVED Roger Tsai	11/04/2016	1:1 RATIO		UNIT mm	SIZE A3	PART No. RJMG20103XXX0XR
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE GT262	SCALE NA	SHEET 4 OF 4	DWG No. RJMG20103XXX0XR		REV. C
UNLESS OTHERWISE SPECIFIED							