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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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

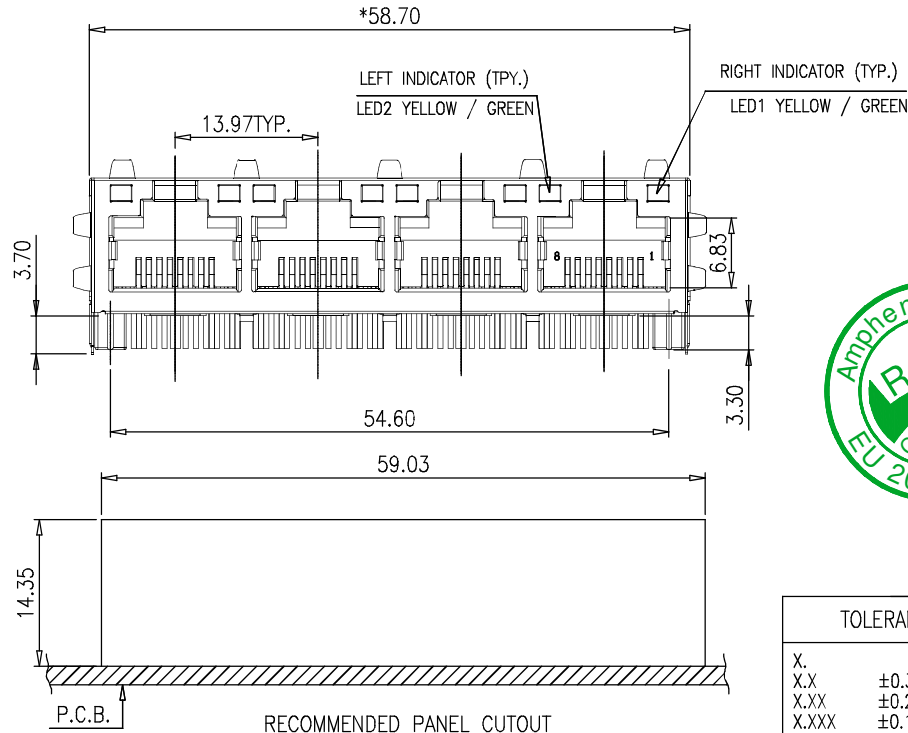
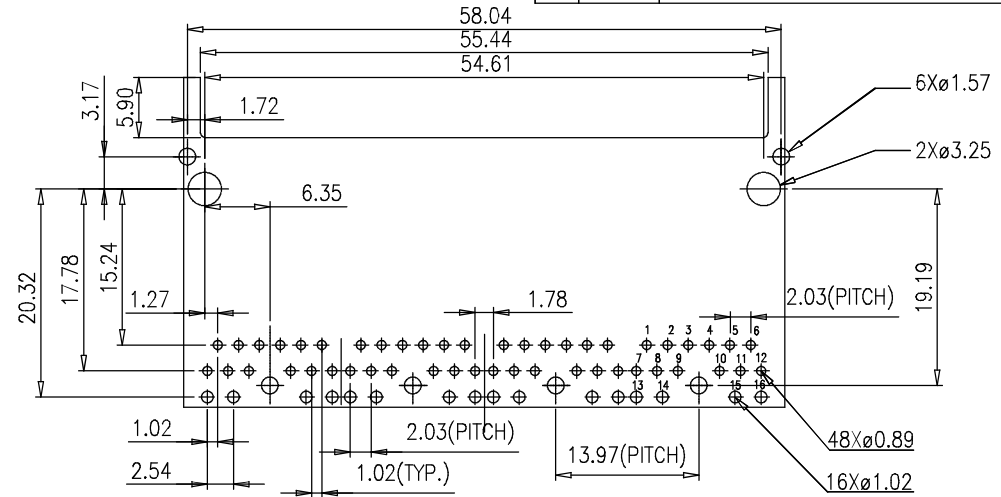
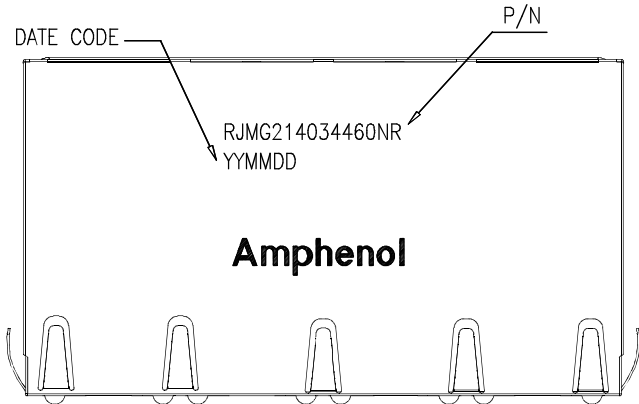


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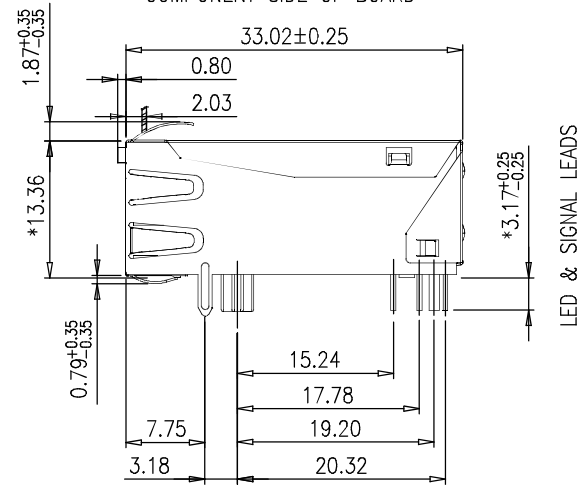
The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.

CUSTOMER DRAWING

| REVISIONS | | | | |
|-----------|------------|--|------------|------------|
| SYM | ECN No. | DESCRIPTION | DATE | APPROVED |
| A | | PROPOSAL DRAWING, NOT RELEASED | Jun.17.10 | Jason Zhan |
| B | ECN-12-001 | CHANGE TO NEW TEMPLATE, CORRECT THE NOTES OF QTY IN PAGE 3 | 3/27/2012 | Roger Tsai |
| C | ECN-12-003 | CORRECT THE OPERATING TEMPERATURE IN PAGE 3 | 4/11/2012 | Roger Tsai |
| D | ECN-12-004 | CHANGE THE SCHEMATIC TO IMPROVE THE PERFORMANCE | 4/20/2012 | Roger Tsai |
| EX1 | | ADD THE LENGTH 33.02 | 8/14/2012 | Roger Tsai |
| EX2 | | ADD PCB EDGE SIZE | 04/01/2013 | Roger Tsai |



RECOMMENDED P.C.B LAYOUT (GENERAL TOLERANCE: ±0.05)
COMPONENT SIDE OF BOARD



| TOLERANCE | APPROVALS | DATE | TITLE | | Amphenol® | |
|----------------------------|------------------------|-----------------------|---|----|---|-----------------|
| X. ±0.35 | DRAWN Devin Yen | 04/01/2013 | RJ45 1X4 1G TYPE WITH FILTER & LED OPTION | | Amphenol Corporation Amphenol Taiwan Corporation | |
| X.X ±0.25 | | | | | | |
| X.XX ±0.15 | CHECKED Vivian Wen | 04/01/2013 | | | PART No. | RJMG214034460NR |
| ANGULAR ±1° | APPROVED Roger Tsai | 04/01/2013 | UNIT | mm | SIZE | A3 |
| UNLESS OTHERWISE SPECIFIED | DWG TYPE CUST DWG | PROJECT CODE GT264 | SCALE | NA | SHEET | 1 OF 4 |
| | | | | | DWG No. | RJMG214034460NR |
| | | | | | REV | EX2 |

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ELECTRICAL SPECIFICATION(@25° C)

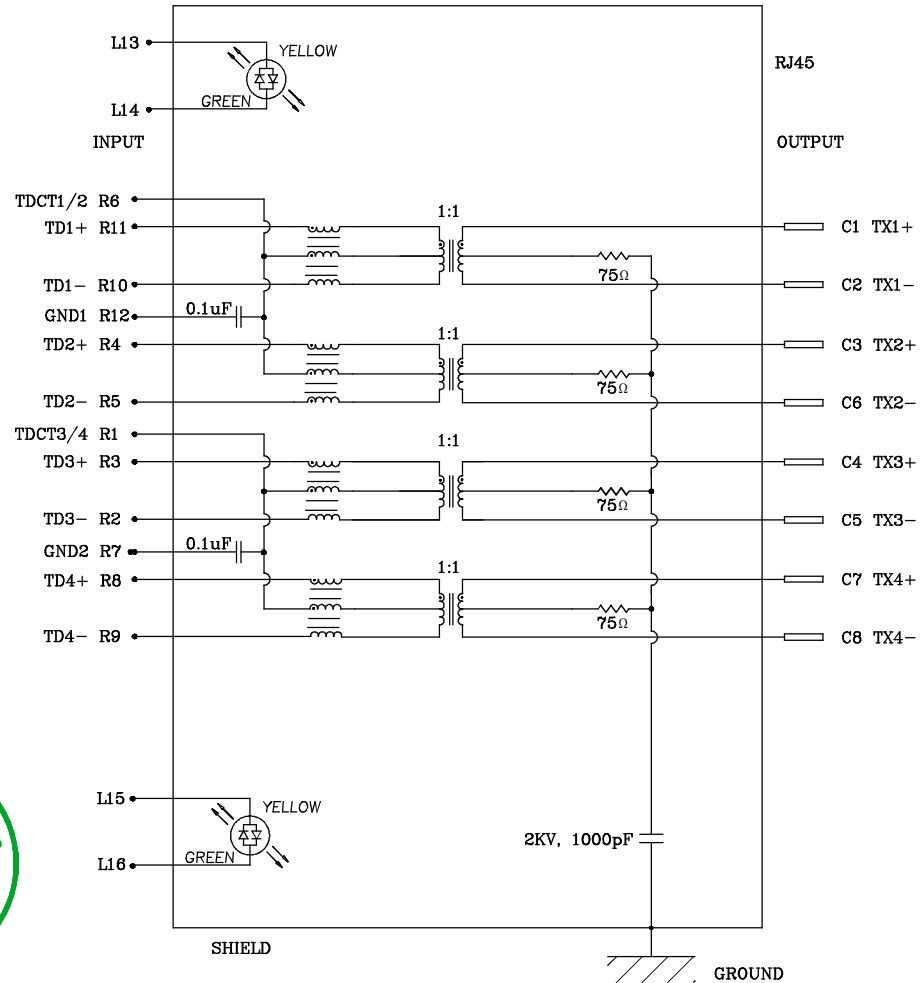
LED PERFORMANCE

| 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 | | µA |
| 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 | 1/16 | 100 | 1/16 | | 100 | | mW |
| INTENSITY Iv | 45 Min | 15 Min | 20 Min | 30 Min | 20 Min | 30 Min | MCD (@IF=20mA) |
| PEAK WAVELENGTH | 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) |

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% | |

| Signal Name | PCB Pin Number (PHY) |
|-------------|----------------------|
| TDCT3/4 R1 | 1 |
| TD3- R2 | 2 |
| TD3+ R3 | 3 |
| TD2+ R4 | 4 |
| TD2- R5 | 5 |
| TDCT1/2 R6 | 6 |
| GND2 R7 | 7 |
| TD4+ R8 | 8 |
| TD4- R9 | 9 |
| TD1- R10 | 10 |
| TD1+ R11 | 11 |
| GND1 R12 | 12 |



| TOLERANCE | APPROVALS | DATE | TITLE | | UNIT | | SIZE | PART No. | |
|----------------------------|------------------------|------------|---|--|----------------------|--|---------------------------|----------------|------------|
| X. ±0.35 | DRAWN Devin Yen | 04/01/2013 | RJ45 1X4 1G TYPE WITH FILTER & LED OPTION | | mm | | A3 | RJM214034460NR | |
| X.XX ±0.25 | | | | | SCALE | | | | |
| X.XXX ±0.15 | CHECKED Vivian Wen | 04/01/2013 | | | NA | | SHEET 2 OF 4 | | |
| ANGULAR ±1° | APPROVED Roger Tsai | 04/01/2013 | PROJECT CODE GT264 | | DWC TYPE CUST DWG | | DWC No. RJM214034460NR | | REV EX2 |
| UNLESS OTHERWISE SPECIFIED | | | | | | | | | |

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| EX1 | | ADD THE LENGTH 33.02 | 8/14/2012 | Roger Tsai |
| EX2 | | ADD PCB EDGE SIZE | 04/01/2013 | Roger Tsai |

MATERIALS:

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

CONTACTS (RJ MAG): PHOSPHOR BRONZE
PLATING: GOLD 30U" PLATING ON MATING SURFACES OR
APPROVED EQUIVALENT GOLD FLASH OVER PdNi
120 MICRONS PURE TIN ON TAILS.

SHIELD: STAINLESS STEEL T=0.2MM,
GROUND PIN: PRE-SOLDERING

DIMENSIONS MARKED WITH "*" SHALL BE MEASURED.

MECHANICAL FEATURES:

SOLDERABILITY: MIL-STD-202, METHOD 208.

MATING/UNMATING FORCE:

RJ PORT MATING/UNMATING 2.1Kg MAX

MATING/UNMATING CYCLES: (DURABILITY) 2000

RETENTION FORCE FOR RJ PORT: 5Kg FOR 1 MINUTE

PACKAGING: 20PCS/PLASTIC TRAY, 10 TRAYS/CARTON
MEET FCC PART 68.500 REQUIREMENTS.

OTHERS:

1. Operating Temperature : 0°C TO +70°C
2. Storage Temperature : -40°C TO +85°C
3. Wave soldering temperature : 260Deg.C 10sec.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 , SUBPART F

RJMG-2140 - 3 4- 4 6- 0 N R

R: RoHS Compliant;
A electrical specifications

LED1 (RIGHT 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, Copper
Alloy Shield with Nickel 50u inches, Tray

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

TERMINATION OPTIONS

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



| TOLERANCE | APPROVALS | DATE | TITLE | | PART No. | |
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| X.XX ±0.25 | CHECKED Vivian Wen | 04/01/2013 | | | | |
| X.XXX ±0.15 | APPROVED Roger Tsai | 04/01/2013 | | | | |
| ANGULAR ±1° | DWG TYPE CUST DWG | PROJECT CODE GT264 | | UNIT mm SCALE NA | SIZE A3 SHEET 3 OF 4 | PART No. RJMG214034460NR DWG No. RJMG214034460NR REV EX2 |
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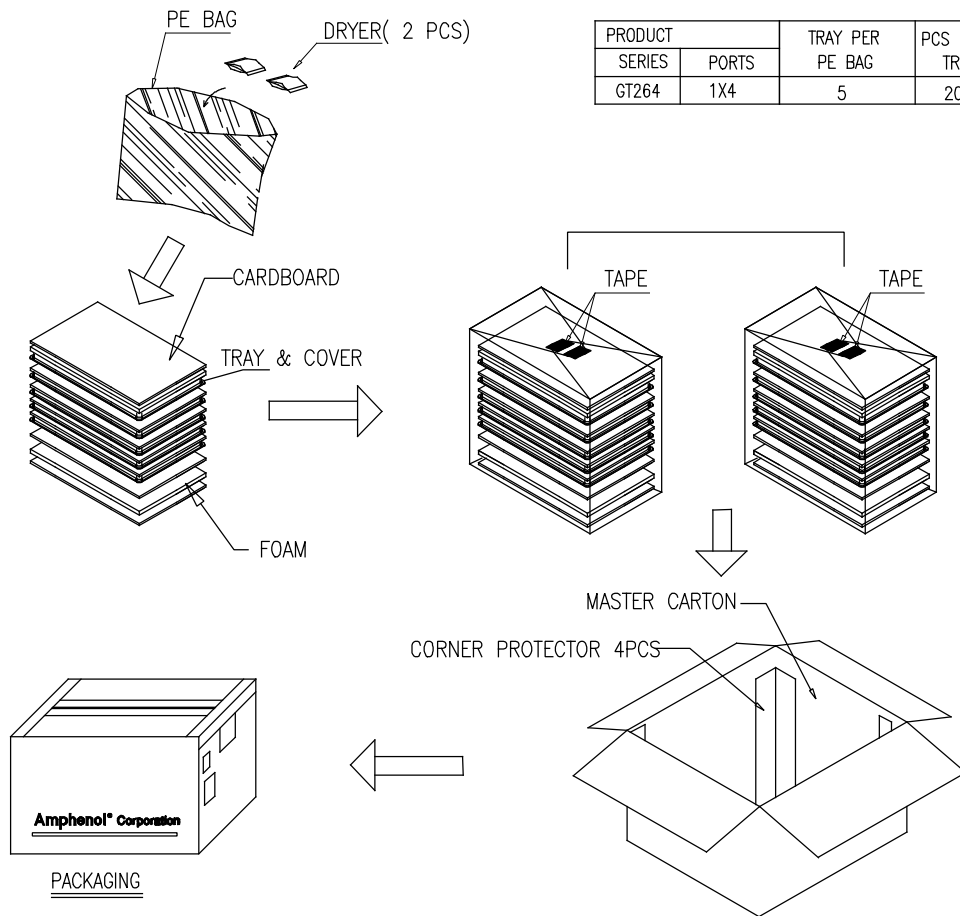
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| PRODUCT | | TRAY PER PE BAG | PCS PER TRAY | PCS PER PE BAG | PCS PER MASTER CARTON |
|---------|-------|-----------------|--------------|----------------|-----------------------|
| SERIES | PORTS | | | | |
| GT264 | 1X4 | 5 | 20 | 100 | 200 |





NOTES:
 OUTER BOX(MASTER CARTON):
 A+B, 5LAYERS, K=K, 6.0±0.5MM THICKNESS.
 BREAK STRENGTH (P): 9kgf/cm² MINIMUM PER CNS(CD-1).
 INSPECTION LEVEL PER ML-STD-105D.

| MATERIAL | QTY(PCS) | DESCRIPTION |
|------------------|----------|-----------------------|
| TRAY | 10 | - |
| COVER | 10 | - |
| PE BAG | 2 | 1PCS PER INNER BOX |
| DRYER | 4 | 2PCS PER INNER BOX |
| OUTER BOX | 1 | 560X360X188 MM |
| FOAM | 4 | 2 PCS PER INNER BOX |
| CARDBOARD | 12~16 | 6~8 PCS PER INNER BOX |
| CORNER PROTECTOR | 4 | 4 PCS IN OUTER BOX |

* The Cardboard QTY depend on the packing status(loose or tight).



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|----------------------------|------------------------|-----------------------|---|--------|--|------|
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| X.XX ±0.15 | CHECKED Vivian Wen | 04/01/2013 |   | | UNIT | SIZE |
| ANGULAR ±1° | APPROVED Roger Tsai | 04/01/2013 | | | mm | A3 |
| UNLESS OTHERWISE SPECIFIED | DWG TYPE CUST DWG | PROJECT CODE GT264 | SCALE | SHEET | REV | |
| | | | NA | 4 OF 4 | RJMGT214034460NR RJMGT214034460NR EX2 | |