



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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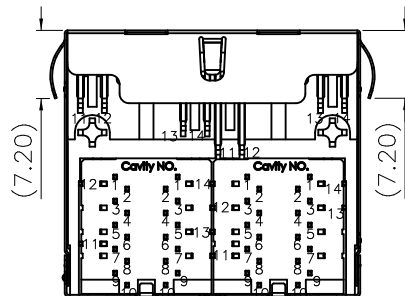
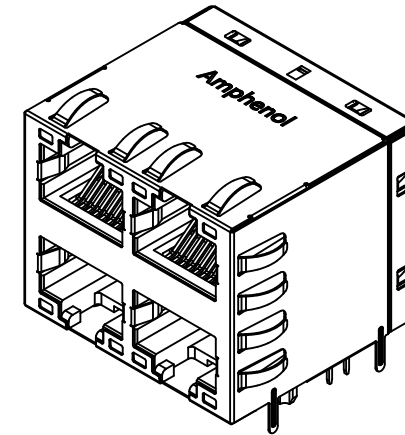
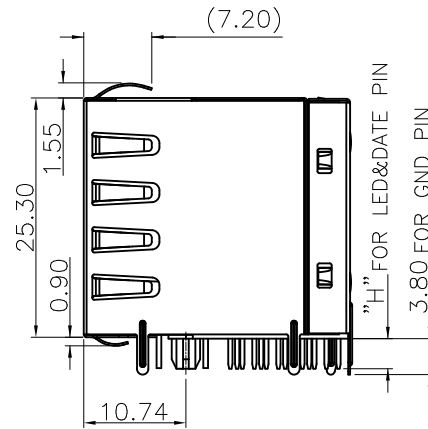
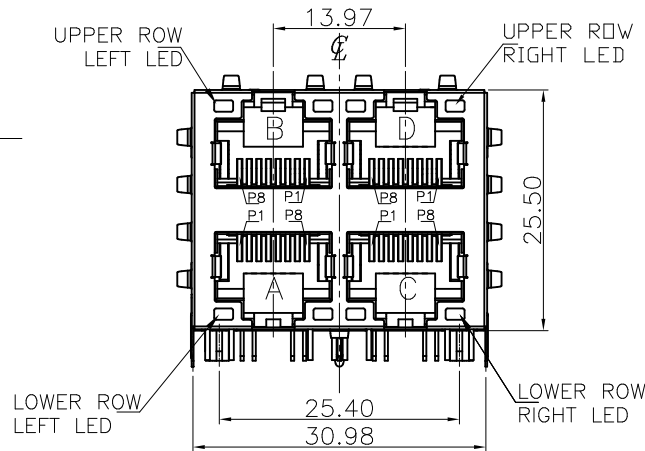
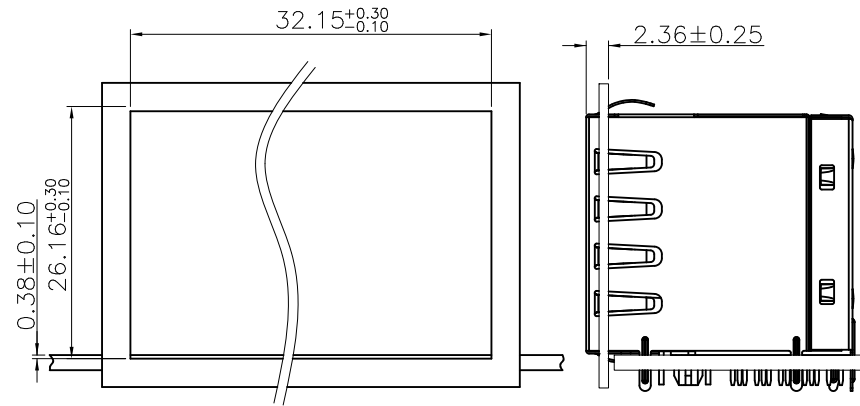
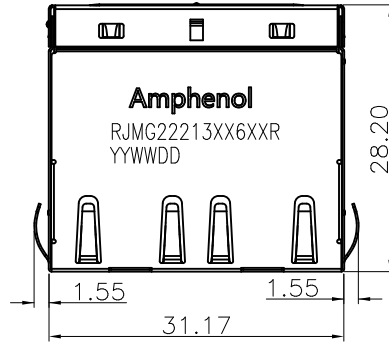



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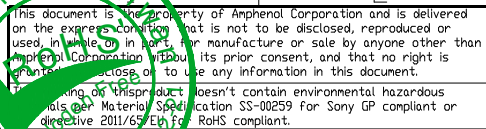
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CUSTOMER DRAWING

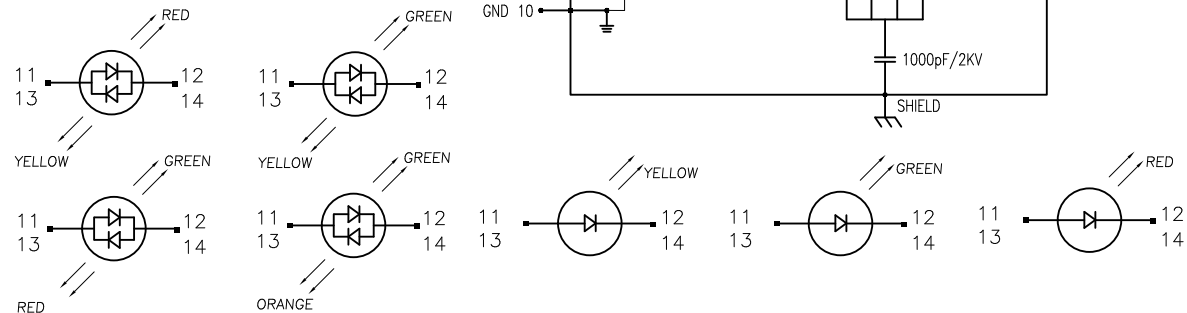
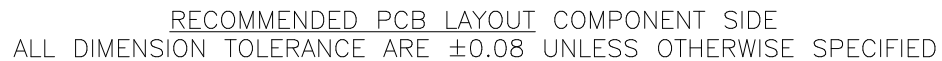
| REVISIONS | | | | |
|-----------|---------|----------------------|------------|------------|
| SYM | ECN No. | DESCRIPTION | DATE | APPROVED |
| AX1 | | NEW PROPOSAL DRAWING | 08/06/2014 | Roger Tsai |




| TOLERANCE | | APPROVALS | | DATE | | TITLE RJMG222X SERIES 2X2 1000 Base-T SERIES with LED | | | Amphenol® Amphenol Corporation Amphenol Taiwan Corporation | | |
|----------------------------|-------|----------------------|------------|-----------------------|--|---|--|-----------------|--|------|-----|
| X. | | DRAWN | Jophy Li | 08/06/2014 | | | | | PART No. RJMG22213XX6XXR | | |
| X.X | ±0.35 | CHECKED | Vivian Wen | 08/06/2014 | | | | | | | |
| X.XX | ±0.25 | APPROVED | Roger Tsai | 08/06/2014 | | | | | | | |
| X.XXX | ±0.15 | | | | | | | | | | |
| ANGULAR ±1° | | | | | |  | | UNIT mm | SIZE A3 | REV. | |
| UNLESS OTHERWISE SPECIFIED | | DWG TYPE CUST DWG | | PROJECT CODE GT501 | | SCALE NA | | SHEET 1 OF 4 | DWG No. RJMG22213XX6XXR | | AX1 |



| REVISIONS | | | | |
|-----------|---------|----------------------|------------|------------|
| SYM | ECN No. | DESCRIPTION | DATE | APPROVED |
| AX1 | | NEW PROPOSAL DRAWING | 08/06/2014 | Roger Tsai |



| | | | | | | | | | |
|--|----------------------|------------------------|------------|---|-------------|-----------------|--|-------------|--|
| TOLERANCE | | APPROVALS | DATE | TITLE RJMG222X SERIES 2X2 1000 Base-T SERIES with LED | | | Amphenol® Amphenol Corporation Amphenol Taiwan Corporation | | |
| X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15 | | DRAWN Jophy Li | 08/06/2014 | | | | | | |
| | | CHECKED Vivian Wen | 08/06/2014 | | | | | | |
| | | APPROVED Roger Tsai | 08/06/2014 | | | | | | |
| ANGULAR ±1° | | | |  | UNIT mm | SIZE A3 | PART No. RJMG22213XX6XXR | | |
| UNLESS OTHERWISE SPECIFIED | DWG TYPE CUST DWG | PROJECT CODE GT501 | | | SCALE NA | SHEET 2 OF 4 | DWG No. RJMG22213XX6XXR | REV. AX1 | |



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ELECTRICAL SPECIFICATION(@25° C)

LED PERFORMANCE

| PARAMETER | SINGLE COLOUR | BICOLOUR | | UNITS |
|------------------------|-----------------|----------|--------|-------|
| | YELLOW OR GREEN | GREEN | ORANGE | |
| FORWARD CURRENT IF MAX | 30 | 30 | | mA |
| REVERSE CURRENT IR MAX | 10 | 10 | | uA |
| REVERSE VOLTAGE VR MAX | -5 | -5 | | V |
| T OPERATURE TOP | -20~+80 | -20~+80 | | ℃ |
| T SOLDERINGTURE TS | 260+/-5 | 260+/-5 | | ℃ |
| POWER DISS. Pd | 75 | 75 | | mW |
| INTENSITY IV MIN | 28 | 18 | 45 | MCD |
| PEAK WAVELENTH | 588 | 574 | 611 | nM |
| FORWARD VOLTAGE TYP | 2.1 | 2.0 | 2.0 | V |
| FORWARD VOLTAGE MAX | 2.4 | 2.4 | 2.4 | V |

CONNECTOR PERFORMANCE

| PARAMETER | LIMITS (MAX. OR MIN.) | FREQUENCY RANGE/ TEST CONDITIONS |
|-------------------------------|--|--|
| INSERTION LOSS (RX/TX) | -1.0dB MAX. -1.2dB MAX. | 0.1-100 MHz 100-125 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. | 1MHz-100MHz |
| CROSSTALK ISOLATION(RX/TX) | -30dB MIN. | 1MHz-100MHz |
| HIPOT (ISOLATION) | 1.5kVrms MIN. | 60S |
| OCL | 350uH MIN. | 100KHz 100mV 8mA |
| TURN RATIO | 1:1±5% | |

| TOLERANCE | APPROVALS | DATE | TITLE RJMG222X SERIES 2X2 1000 Base-T SERIES with LED | | Amphenol® Amphenol Corporation Amphenol Taiwan Corporation | | | |
|--|------------------------|-----------------------|--|-------------|---|-----------------------------|-------------|--|
| X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15 | DRAWN Jophy Li | 08/06/2014 | | | | | | |
| | CHECKED Vivian Wen | 08/06/2014 | | | | | | |
| ANGULAR ±1° | APPROVED Roger Tsai | 08/06/2014 | | UNIT mm | SIZE A3 | PART No. RJMG22213XX6XXR | | |
| UNLESS OTHERWISE SPECIFIED | DWG TYPE CUST DWG | PROJECT CODE GT501 | | SCALE NA | SHEET 3 OF 4 | DWG No. RJMG22213XX6XXR | REV. AX1 | |

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RJMG22213 X X 6 X X R

RIGHT LED CODE

LEFT LED CODE

- 0: No LED's 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

Special Variations and *Codes

A: A electrical specifications

L: Lead-Cadmium Free Compliant;

R: RoHS Compliant;

Plating and Packaging:

C: gold flash, Stainless steel shield, tray

D: gold 15μ", Stainless steel shield, tray

E: gold 30μ", Stainless steel shield, tray

F: gold 50μ", Stainless steel shield, tray

MATERIALS:

1. Terminal Parts:

1.1. RJ Output Terminal : Phosphor Bronze, Thickness=0.30mm
 Finish: Selective gold plating

1.2. RJ input Terminal : Brass, Thickness=0.35mm

Finish: 100μ" min. tin over 50~100μ" Nickel.

2. Plastic Parts:

Thermoplastic, Black, UL94V-0.

3. Shell Parts:

Shell : Stainless, Thickness=0.20mm,

OTHERS:

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

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

3. JACK CAVITY CONFORMS TO FCC RULES AND

REGULATIONS PART 68 , SUBPART F

Grounding Leg : Pre-soldering

THE "H" FOR LED&DATE PIN LENGTH OPTION

L: H=2.54mm

M: H=3.05mm

N: H=3.18mm

P: H=3.81mm

Q: H=4.10mm

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| | | | | | UNIT mm | SIZE A3 | PART No. RJMG22213XX6XXR | |
| | | | | | SCALE NA | SHEET 4 OF 4 | DWG No. RJMG22213XX6XXR | REV. AX1 |