

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.

| REVISIONS |          |                                   |            |            |
|-----------|----------|-----------------------------------|------------|------------|
| SYM       | ECN No.  | DESCRIPTION                       | DATE       | APPROVED   |
| C         | NE-13016 | ADD THE SCHEMATIC FOR ALL OPTIONS | 01/24/2013 | Roger Tsai |
| D         | NE-14155 | ADD LED OPTIONS                   | 01/29/2015 | Roger Tsai |



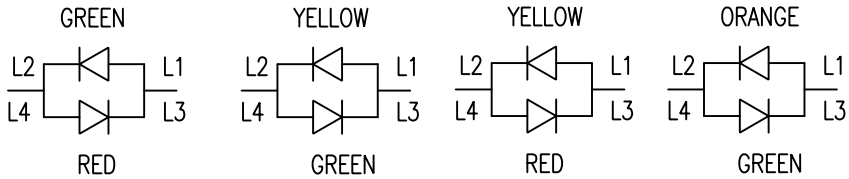
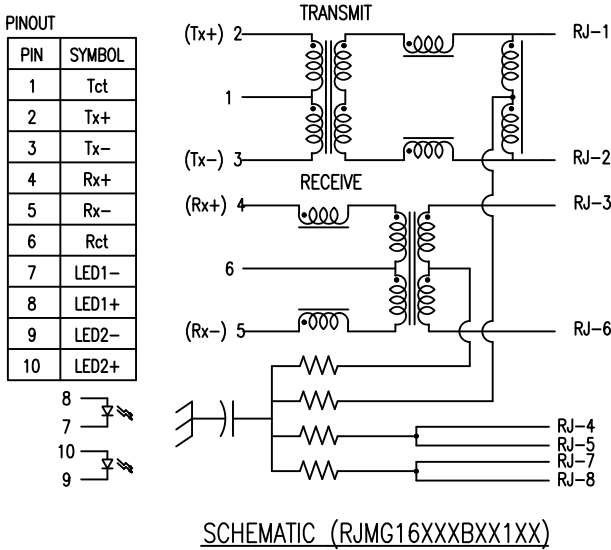
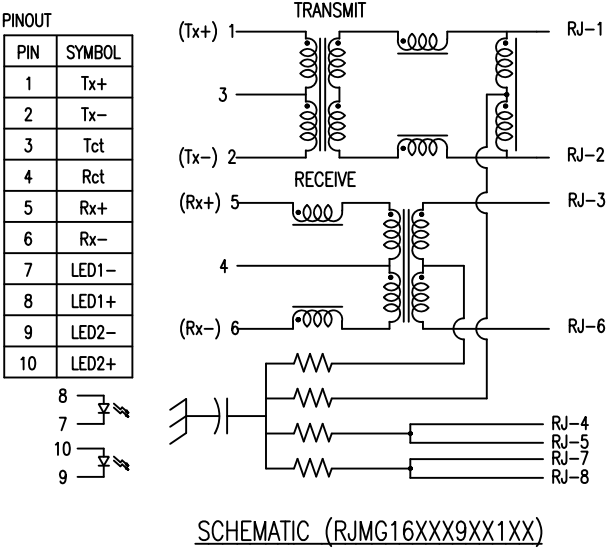
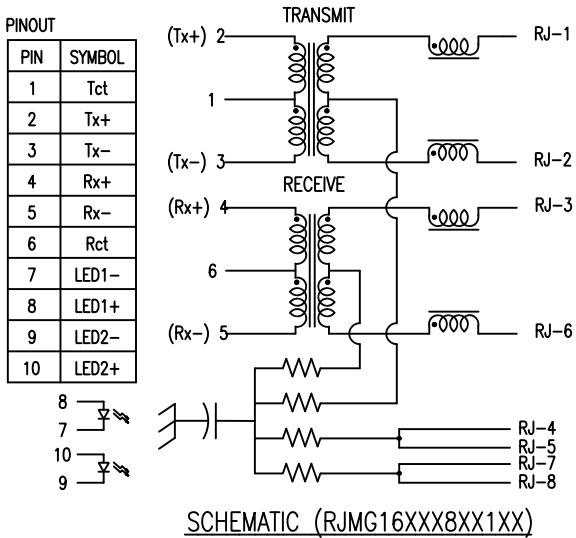
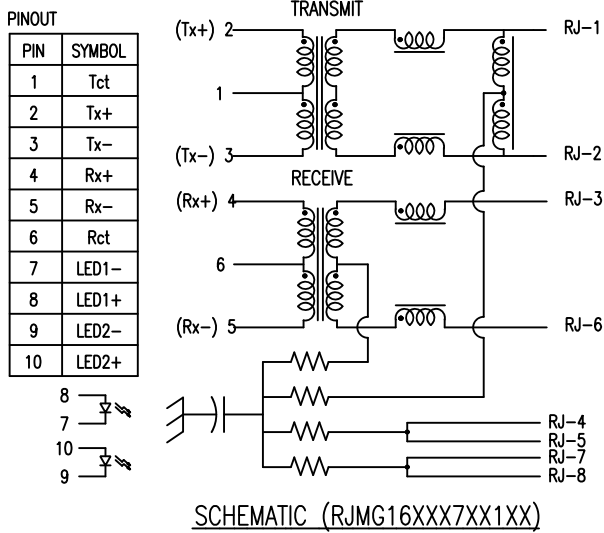
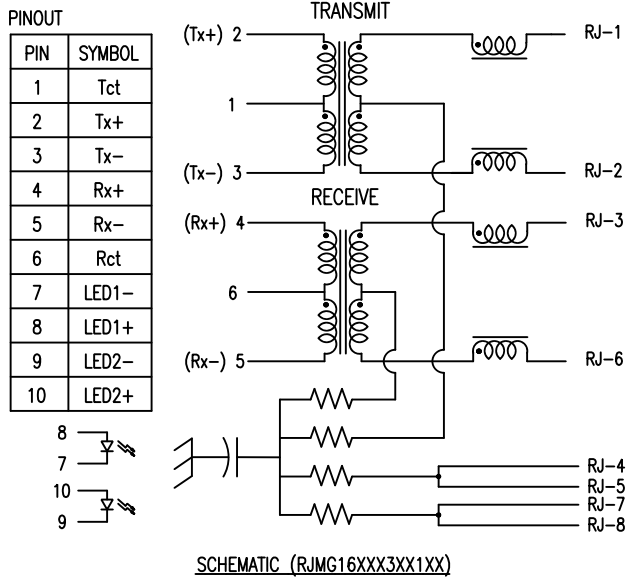
|                                                       |          |            |              |                                                                                       |       |        |                                                                                             |      |   |
|-------------------------------------------------------|----------|------------|--------------|---------------------------------------------------------------------------------------|-------|--------|---------------------------------------------------------------------------------------------|------|---|
| TOLERANCE                                             |          | APPROVALS  | DATE         | TITLE                                                                                 |       |        | <div>Amphenol®</div> <div>Amphenol Corporation</div> <div>Amphenol Taiwan Corporation</div> |      |   |
| X.<br>X.X     ±0.35<br>X.XX    ±0.25<br>X.XXX   ±0.15 | DRAWN    | Devin Yen  | 01/29/2015   | SINGLE PORT RJmag CONNECTOR<br>SHIELD, WITH R&C TERMINATION<br>10/100                 |       |        |                                                                                             |      |   |
|                                                       | CHECKED  | Vivian Wen | 01/29/2015   |                                                                                       |       |        |                                                                                             |      |   |
|                                                       | APPROVED | Roger Tsai | 01/29/2015   |                                                                                       |       |        |                                                                                             |      |   |
| ANGULAR   ±1°                                         | DWG TYPE | CUST DWG   | PROJECT CODE |  | SCALE | SHEET  | DWG No.                                                                                     | REV. |   |
| UNLESS OTHERWISE SPECIFIED                            |          |            | GT278        |                                                                                       | NA    | 1 OF 4 | RJMG16XXXXXX1XX                                                                             |      | D |

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CUSTOMER DRAWING

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BI-COLOR LED DETAIL

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|----------------------------------------------|------------------------|-----------------------|--------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------|-----------------------------|-----------|--|
| X.<br>X.X ±0.35<br>X.XX ±0.25<br>X.XXX ±0.15 | DRAWN<br>Devin Yen     | 01/29/2015            |                                                                                |                 |                                                                  |                             |           |  |
| ANGULAR ±1°                                  | CHECKED<br>Vivian Wen  | 01/29/2015            |                                                                                | UNIT<br>mm      | SIZE<br>A3                                                       | PART No.<br>RJMG16XXXXXX1XX |           |  |
| UNLESS OTHERWISE SPECIFIED                   | APPROVED<br>Roger Tsai | 01/29/2015            |                                                                                |                 |                                                                  | DWG No.<br>RJMG16XXXXXX1XX  | REV.<br>D |  |
|                                              | DWG TYPE<br>CUST DWG   | PROJECT CODE<br>GT278 | SCALE<br>NA                                                                    | SHEET<br>2 OF 4 |                                                                  |                             |           |  |

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MATERIALS:

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

CONTACTS (RJ MAG): PHOSPHOR BRONZE  
PLATING: SELECTIVE GOLD OVER MATING SURFACES.  
100 MICROINCHES TIN PLATING ON TAILS.

SHIELD: STAINLESS STEEL T=0.2MM .

DIMENSIONS MARKED WITH "\*" SHALL BE MEASURED.

MECHANICAL FEATURES:

SOLDERABILITY: MIL-STD-202,METHOD 208.

MATING/UNMATING FORCE:  
RJ PORT  
MATING/UNMATING 2.1Kg MAX  
RETENTION FORCE FOR RJ PORT: 5Kg FOR 1 MINUTE  
MEET FCC PART 68.500 REQUIREMENTS.

Environmental

OPERATING TEMPERATURE:0°C TO +70°C.

STORAGE TEMPERATURE:-40°C TO +85°C.

SOLDERING TEMPERATURE: 260°C FOR 10 SECONDS

ALTITUDE OPERATING RANGE: SEA LEVEL TO 3000m

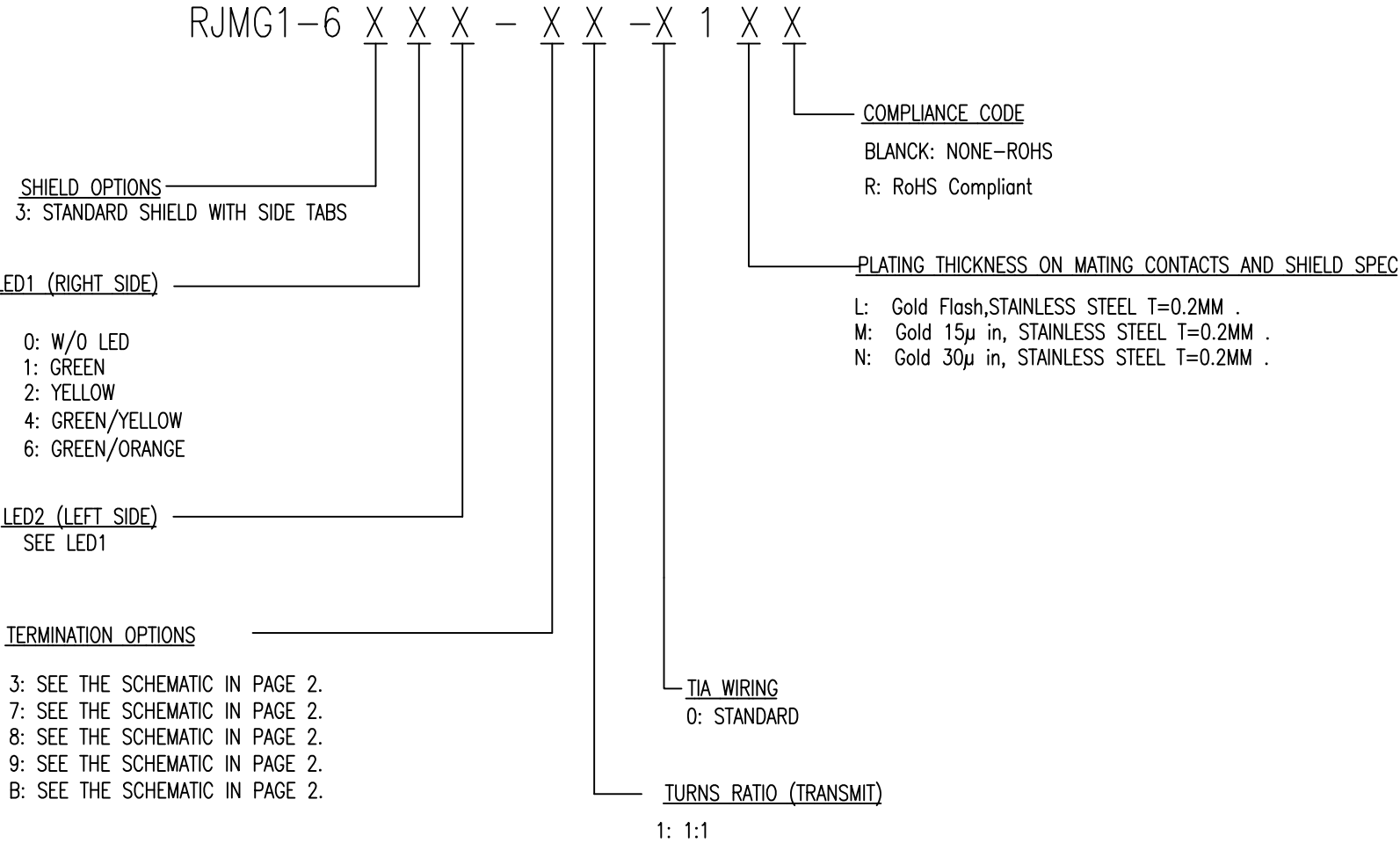
Humidity: per MIL-STD-1344A,method 1002.1, test condition B

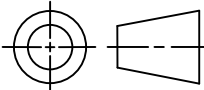
Thermal Shock: per MIL-STD-1344A,method 1003.1, test condition A

Vibration: per MIL-STD-1344A,method 2005.1, test condition J

Mechanical Shock: per MIL-STD-1344A,method 2004.1, test condition C

Salt Spray: 24 hours per MIL-STD-1344A,method 1001.1, test condition B



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|                                              | CHECKED<br>Vivian Wen  | 01/29/2015            |                                                                                       |                 |                                                                                      |                             |  |  |
|                                              | APPROVED<br>Roger Tsai | 01/29/2015            |                                                                                       |                 |                                                                                      |                             |  |  |
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## LED PERFORMANCE:

| PARAMETER              | SINGLE COLOUR |         | BICOLOUR |        | UNITS |
|------------------------|---------------|---------|----------|--------|-------|
|                        | GREEN         | YELLOW  | GREEN    | ORANGE |       |
| FORWARD CURRENT IF MAX | 30            | 30      | 30       |        | mA    |
| REVERSE CURRENT IR MAX | 10            | 10      | 10       |        | uA    |
| REVERSE VOLTAGE VR MAX | -5            | -5      | -5       |        | V     |
| T OPERATURE TOP        | -40~+85       | -40~+85 | -40~+85  |        | ℃     |
| T SOLDERINGTURE TS     | 260+/-5       | 260+/-5 | 260+/-5  |        | ℃     |
| POWER DISS. Pd         | 100           | 100     | 100      |        | mW    |
| PEAK WAVELENGTH        | 565           | 585     | 565      | 605    | nM    |
| FORWARD VOLTAGE TYP    | 2.5           | 2.1     | 2.2      | 2.0    | V     |
| FORWARD VOLTAGE MAX    | 2.9           | 2.6     | 2.6      | 2.6    | V     |

|                                                                                  |                        |                       |                                                                                       |             |                 |                                                                  |           |  |
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|                                                                                  | CHECKED<br>Vivian Wen  | 01/29/2015            |                                                                                       |             |                 |                                                                  |           |  |
|                                                                                  | APPROVED<br>Roger Tsai | 01/29/2015            |                                                                                       |             |                 |                                                                  |           |  |
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|                                                                                  |                        |                       |                                                                                       | SCALE<br>NA | SHEET<br>4 OF 4 | DWG No.<br>RJMG16XXXXXX1XX                                       | REV.<br>D |  |