

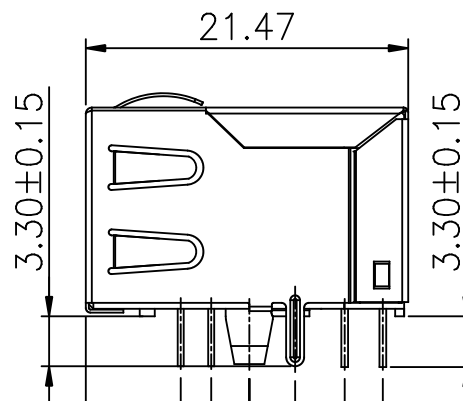
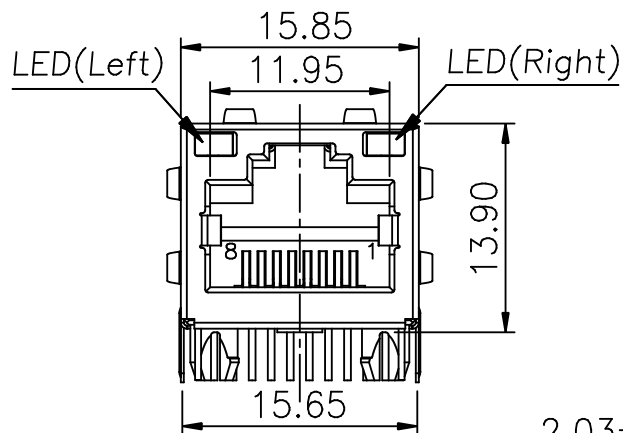
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The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2002/95/EC for RoHS compliant.

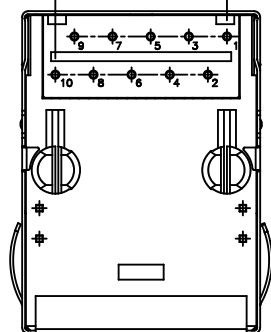
CUSTOMER DRAWING

**PRELIMINARY RELEASE
SUBJECT TO CHANGE**

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX1		NEW PROPOSAL DRAWING	11/15/2013	Roger Tsai
AX2		UPDATE DRAWING	06/27/2014	Roger Tsai
AX3		UPDATE THE PIN LENGTH AND D/C	10/13/2017	Lawrence Chan



1.27X9=11.43±0.10



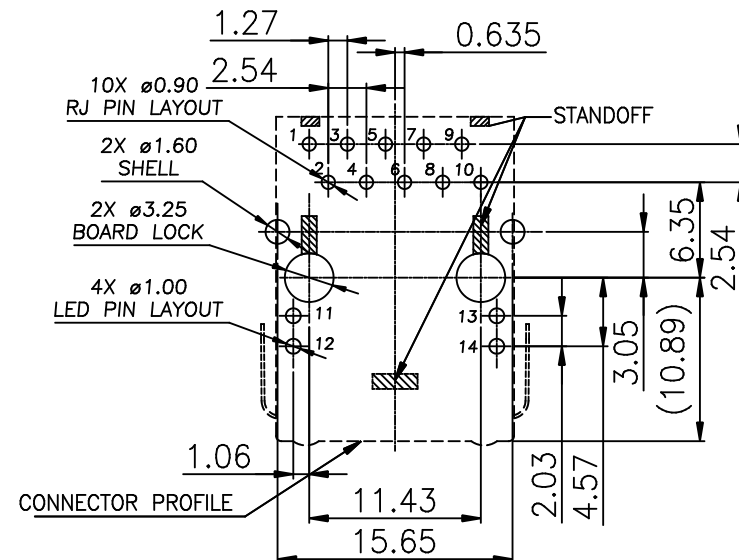
2.03±0.10

10.89±0.10

3.05±0.10

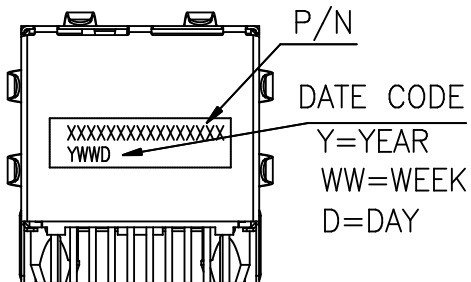
6.35±0.10

8.89±0.10



**RECOMMENDED PCB LAYOUT
COMPONENT SIDE**

ALL DIMENSION TOLERANCE ARE ±0.05mm
UNLESS OTHERWISE SPECIFIED



TOLERANCE		APPROVALS	DATE	TITLE		Amphenol®			
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DRAWN	Arvin Ye	10/13/2017	RJMG2016 Series 1X1 1000 Base-T Series with LED options		Amphenol Corporation Amphenol Taiwan Corporation			
		Checked Vivian Wen	10/13/2017						
		APPROVED Lawrence Chan	10/13/2017						
ANGULAR ±1°		DWG TYPE	CUST DWG	PROJECT CODE	—	UNIT	mm	SIZE	A3
UNLESS OTHERWISE SPECIFIED						SCALE	NA	SHEET	1 OF 3
								PART No.	RJMG20162XX90XR
								DWG No.	RJMG20162XX90XR
								REV.	AX3

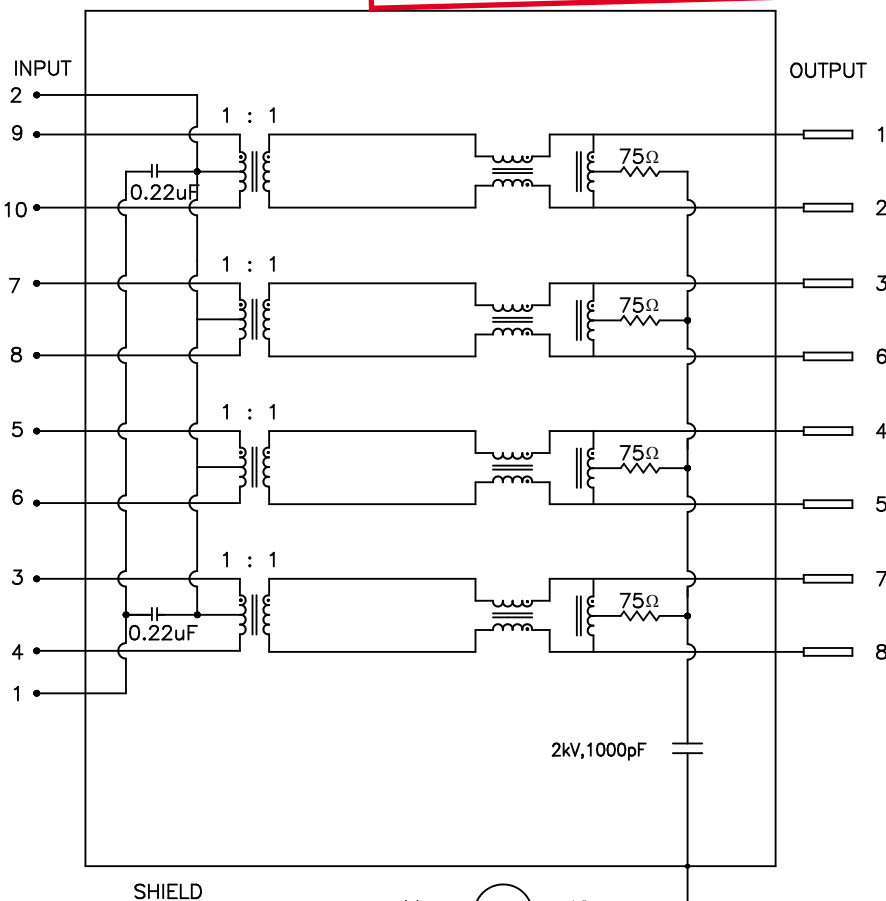
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RJMG20162 X X 90 X R

RIGHT LED CODE
LEFT LED CODE

Plating and Packaging:

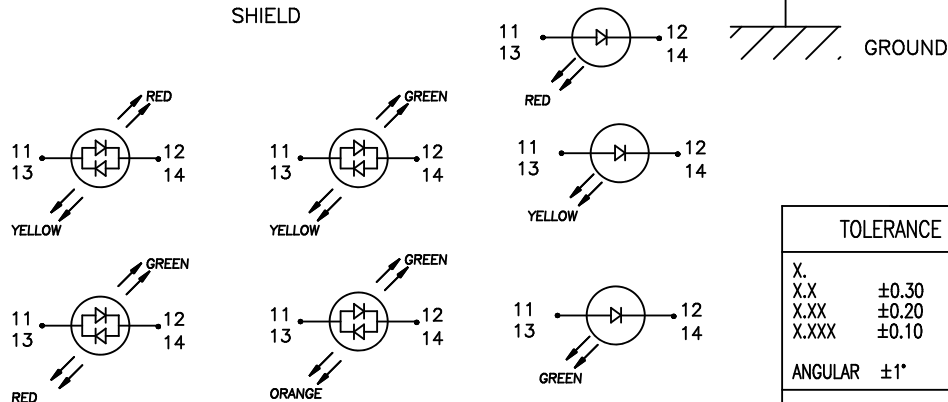
- 0: No LED's Blocked Hole
- 1: Green
- 2: Yellow
- 3: Red
- 4: Bi-color Green/ Yellow
- 5: Bi-color Red/Green
- 6: Bi-color Green/Orange
- 7: Bi-color Red/Yellow

- 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

Electrical Specification(@25°C)

Parameters	Unit	
Turns Ratio(Primary):(Secondary)	—	1CT:1±5%
Inductance@100KHz,0.1Vrms,8mA DC	uH	350 Min.
Insertion Loss@1~100MHz	-dB	1.0 Max.
@100~125MHz	-dB	1.2 Max.
Return Loss@1~30MHz	-dB	18 Min.
@30~60MHz	-dB	16 Min.
@60~80MHz	-dB	12 Min.
@80~100MHz	-dB	10 Min.
Common Mode Rejection@1~100MHz	-dB	30 Min.
Cross Talk@1~100MHz	-dB	30 Min.
HiPot Test(Input):(Output)	V AC	1500 Min.

Operating Temperature:0°C To +70°C



TOLERANCE	APPROVALS	DATE	TITLE		
X. X.X ±0.30 X.XX ±0.20 X.XXX ±0.10	DRAWN Arvin Ye	10/13/2017	RJMG2016 Series 1X1 1000 Base-T Series with LED options		
ANGULAR ±1°	CHECKED Vivian Wen	10/13/2017			
UNLESS OTHERWISE SPECIFIED	APPROVED Lawrence Chan	10/13/2017			
	DWG TYPE CUST DWG	PROJECT CODE —	UNIT mm	SIZE A3	PART No. RJMG20162XX90XR
			SCALE NA	SHEET 2 OF 3	DWG No. RJMG20162XX90XR
					REV. AX3



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AX1		UPDATE THE PIN LENGTH AND D/C	10/13/2017	Lawrence Chan

NOTES:

1. MATERIALS :

SHELL : STAINLESS , T=0.20mm
HOUSING : THERMOPLASTIC , BLACK, UL 94V-0
CASE : THERMOPLASTIC , BLACK , UL 94V-0
COVER : THERMOPLASTIC , BLACK , UL 94V-0
RJ CONTACT : PHOSPHOR BRONZE , T=0.30mm
RJ JOINT CONTACT : BRASS , T=0.30mm
MODULE CONTACT : BRASS , T=0.30mm

2. FINISH :UNDERPLATING 30u" MIN Ni OVERALL

RJ CONTACT : PLATING GOLD(SEE THE P/N OPTION)
ON CONTACT AREA
RJ JOINT CONTACT 100u" MIN TIN
MODULE CONTACT 100u" MIN TIN

3. ELECTRICAL CHARACTERISTICS : REFERE PAGE 2 SPEC

4. MECHANICAL CHARACTERISTICS :

INSERTION FORCE : 22N MAX.
REMOVAL FORCE(WITHOUT PLUG LOCK) : 22N MAX.
PLUG LOCKING RETENTION FORCE : 50N MIN./60sec
DURABILITY : 1000 TIMES

5. STORAGE TEMPERATURE : -40°C ~ 85°C

6. WAVE SOLDER CAPABLE TO 260°C

7. OTHERS:

7.1 DATE CODE YYWW

8. Ratings

8.1 VOLTAGE RATING: 125 VAC

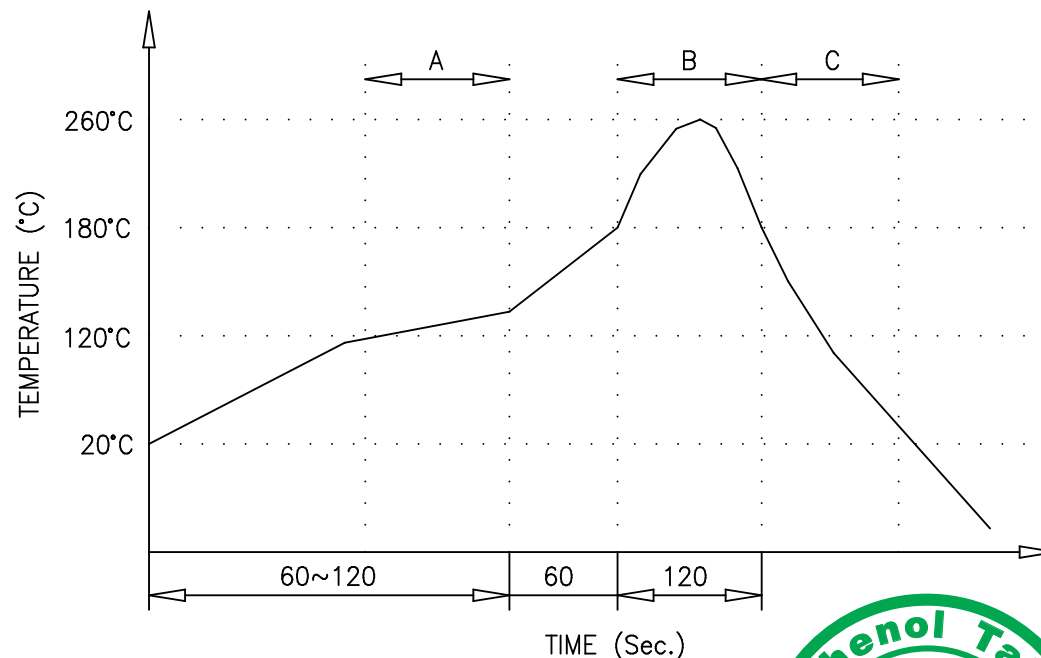
8.2 CURRENT RATING: 1.5A

9. PERFORMANCE AND TEST DESCRIPTION

PRODUCT IS DESIGNED TO MEET ELECTRICAL, MECHANICAL AND ENVIRONMENT PERFORMANCE REQUIREMENTS SPECIFIED IN BELOW TABLE. ALL TESTS ARE PERFORMED AT AMBIENT ENVIRONMENT CONDITIONS PER MIL-STD-1344A AND EIA-364 UNLESS OTHERWISE SPECIFIED.

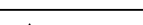
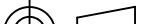
10. PACKAGING AND PACKING

ALL PARTS SHALL BE PACKAGED AND PACKED TO PROTECT AGAINST PHYSICAL DAMAGE, CORROSION AND DETERIORATION DURING SHIPMENT AND STORAGE.



Tip temperature: 260±5°C
Tip temperature time: 5Sec. Max.
The melting point of Sn96.5/Ag3/Cu0.5: 217°C



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		CHECKED		Vivian Wen										10/13/2017
		APPROVED		Lawrence Chan										10/13/2017
ANGULAR ±1°							UNIT mm	SIZE A3	PART No. RJMG20162XX90XR					
UNLESS OTHERWISE SPECIFIED		DWG TYPE		CUST DWG		PROJECT CODE	—		SCALE NA	SHEET 3 OF 3	DWG No. RJMG20162XX90XR		REV. AX3	