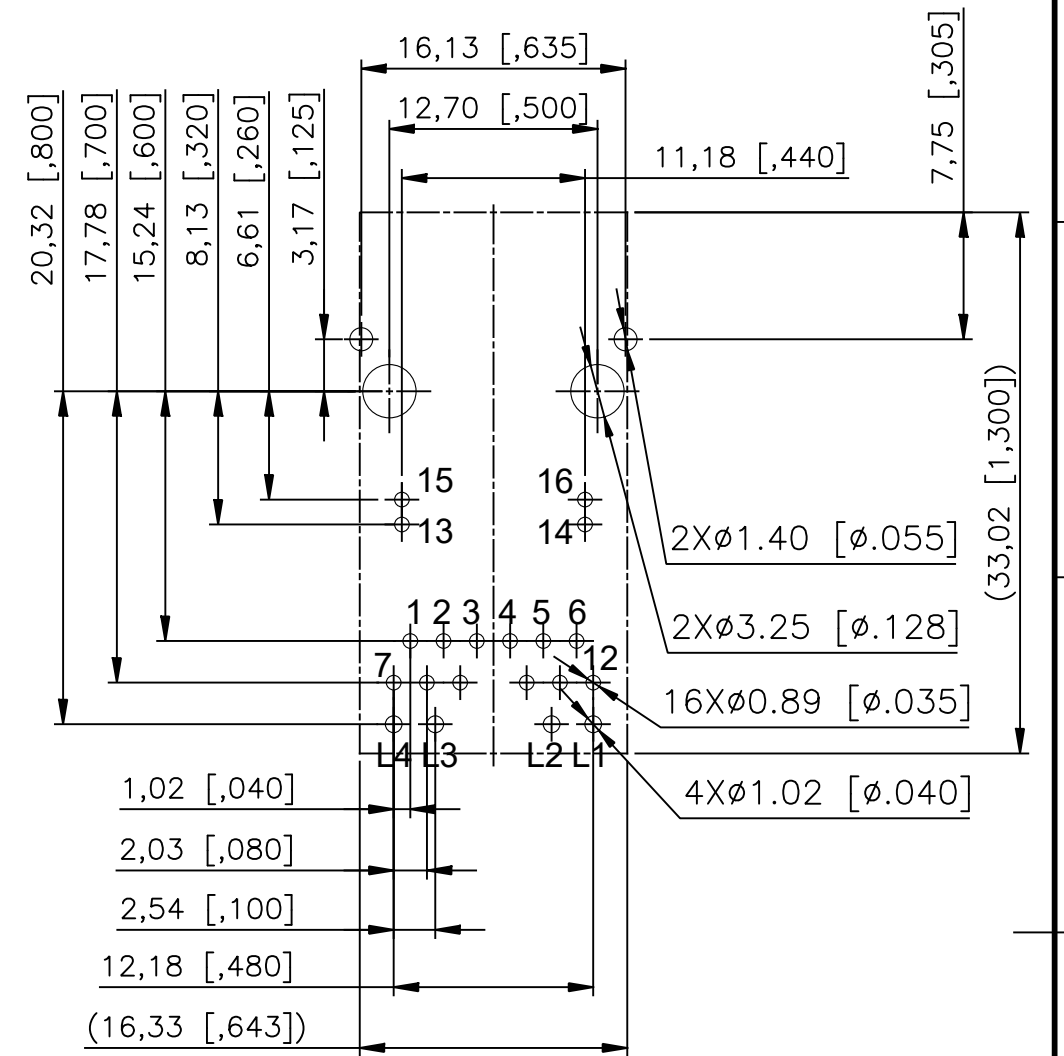
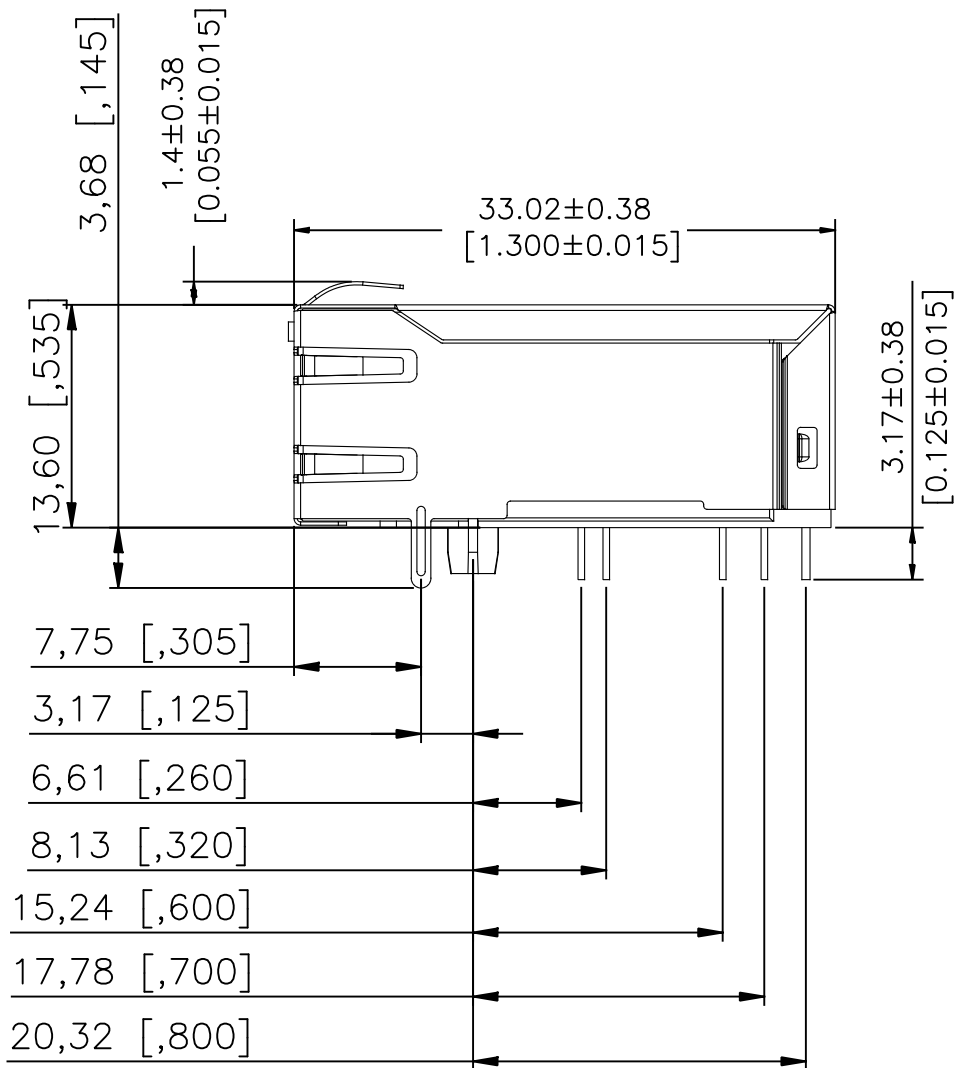
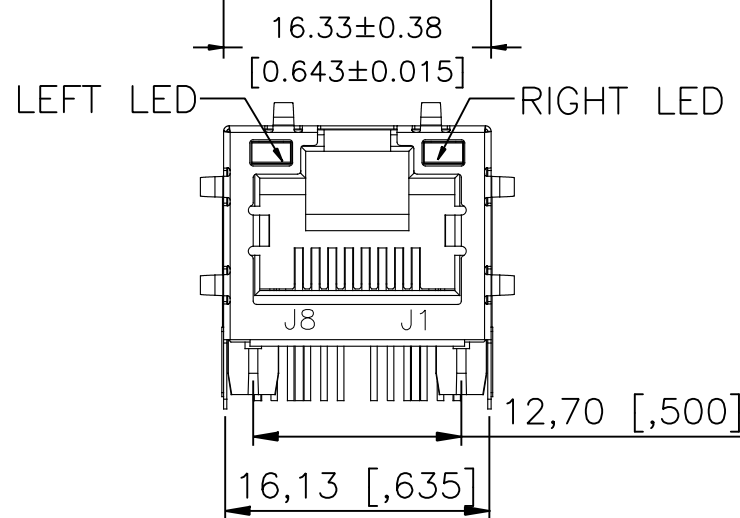
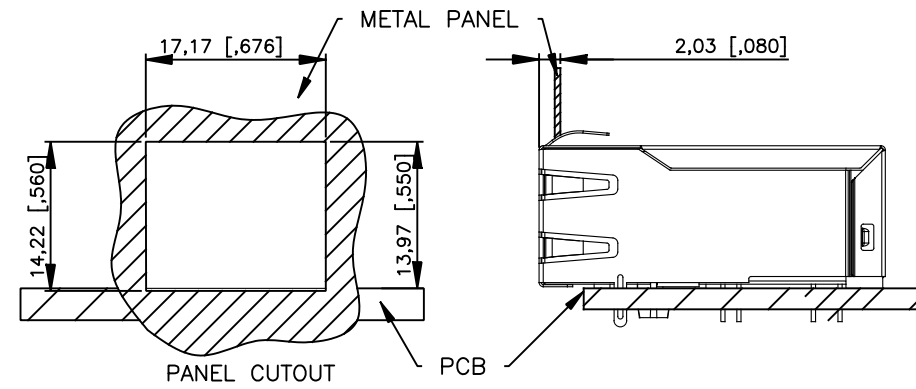
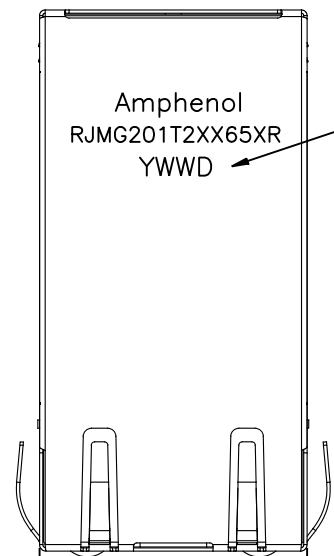


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The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2002/95/EC for RoHS compliant.

MECHANICAL DRAWINGS:

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX3	/	UPDATE DRAWING	05/11/2021	Roger Tsai



RECOMMENDED PCB LAYOUT
(COMPONENT SIDE VIEW)
TOLERANCE: ±0.05 [0.002]

PART NO. RJMG201T2 X X 65 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
 - N: Amber
 - P: Bi-color Green/Amber
- Plating and Packaging Option:
- B: gold 6u", tray
 - C: gold flash, tray
 - D: gold 15u", tray
 - E: gold 30u", tray
 - F: gold 50u", tray

- 1,015 [0.040]
- 2,03 [0.080]
- 2,54 [0.100]
- 11,18 [0.440]
- 12,18 [0.480]



TOLERANCE	APPROVALS	DATE
X. ±0.30	DRAWN Benly Han	05/11/2021
X.X ±0.25	CHECKED Vivian Wen	05/11/2021
X.XX ±0.10	APPROVED Roger Tsai	05/11/2021
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE -
UNLESS OTHERWISE SPECIFIED		

TITLE
RJ45 1X1 1000 Base
TYPE WITH FILTER
WITH LED & POE

Amphenol®
Amphenol Corporation
Amphenol Taiwan Corporation

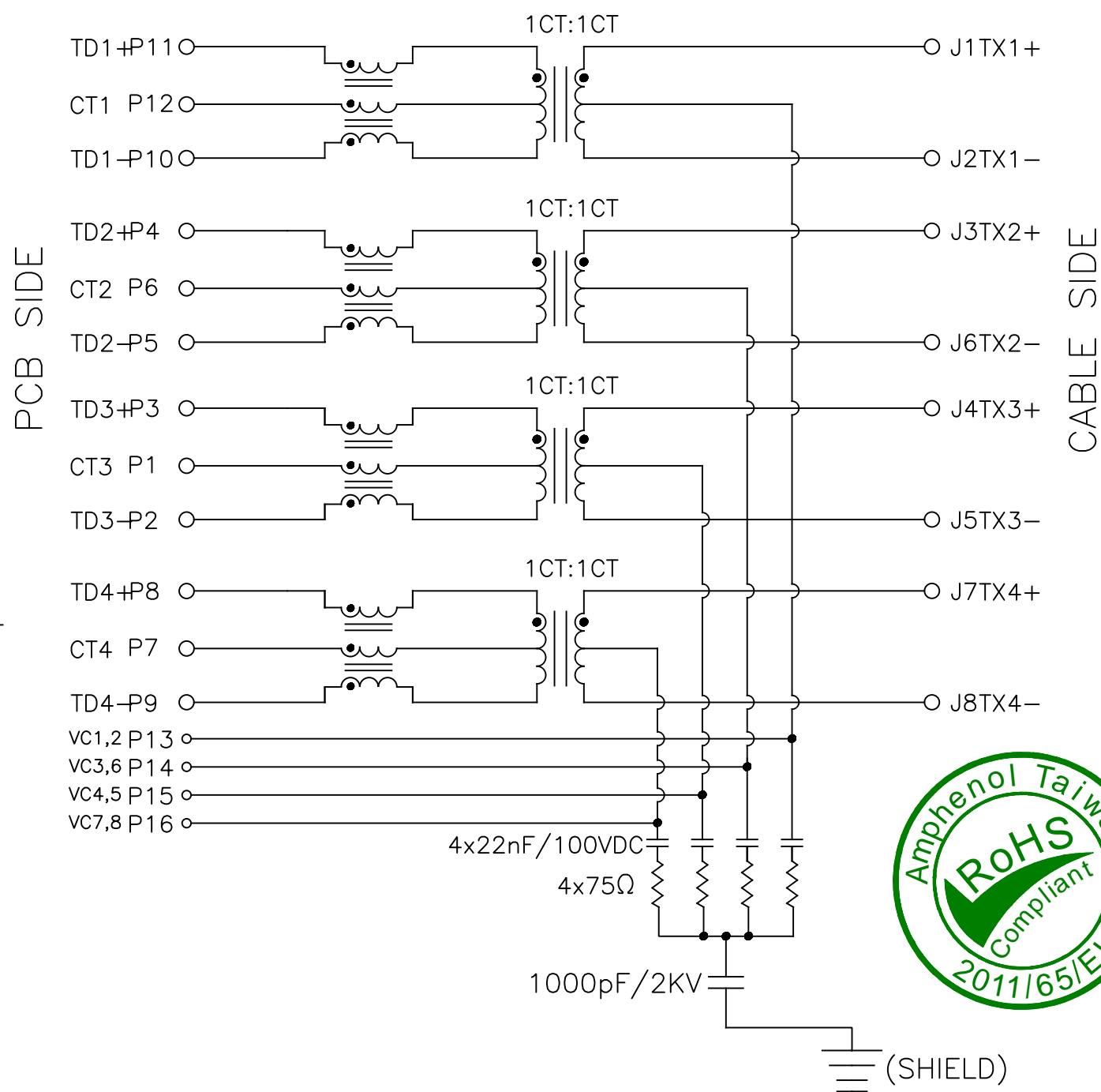
UNIT mm	SIZE A3	PART No. RJMG201T2XX65XR
SCALE NA	SHEET 1 OF 2	DWG No. RJMG201T2XX65XR
		REV. AX3

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REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX3	/	UPDATE DRAWING	05/11/2021	Roger Tsai

Schematic

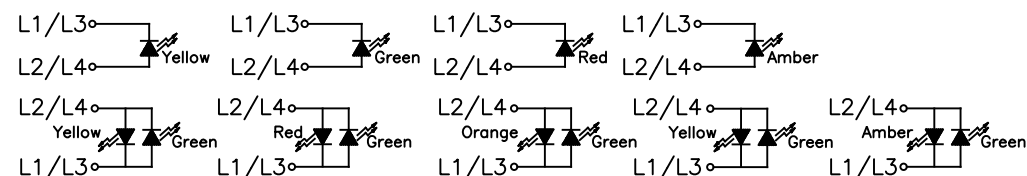


- MATERIAL**
 - HOUSING : PA46, UL 94V-0, BLACK
 - RJ CONTACTS : PHOSPHOR BRONZE, THICKNESS=0.3MM
PLATING : SELECT GOLD ON CONTACT AREA (SEE PART NO), 50~100U" MIN NICKEL OVERALL
 - SOLDER TAIL TERMINAL : BRASS, THICKNESS=0.25MM
PLATING : 100U" TIN MIN, 50U" MIN NICKEL OVERALL
 - SHIELD : THICKNESS WITH BRASS, THICKNESS=0.2MM
- RJ45 SPECIFICATIONS**
 - INSULATION RESISTANCE : 500 MOHMS MIN
 - INSERTION FORCE WITH THE LATCH DEPRESSED : 22N MAX
 - REMOVAL FORCE WITH THE LATCH DEPRESSED : 44N MAX
 - DURABILITY : 750 CYCLES
- OPERATING TEMPERATURE : -40°C TO +85°C
- STORAGE TEMPERATURE : -40°C TO +85°C
- Mates With Modular Plug Conforming To FCC Part 68, Subpart F.
- Wave soldering compatible; 260°C, 10sec Max.

Electrical testing:

PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS RATIO	1:1±3%
OPEN CIRCUIT INDUCTANCE(OCL)	220uH MIN@100KHz/100mV With 19mA DC Bias For(CHANNEL1,2,3,4) 350uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL1,2,3,4)
INSERTION LOSS(IL)	-1.1dB MAX@0.3MHz-100MHz;
RETURN LOSS(RL) (Z out=100 OHM)	-18dB MIN@1MHz-30MHz; -13dB MIN@30MHz-60MHz; -10dB MIN@60MHz-100MHz;
CROSSTALK (ADJACENT CHANNELS)	-30dB MIN@1MHz-100MHz;
COMMON MODE REJECTION RATIO(CMRR)	-30dB MIN@1MHz-100MHz;
DC CURRENT/VOLTAGE RATING-PSE PINS	600mA MAX@57VDC(CONTINUOUS) For PSE Channel (P13 & P14, P15 & P16)
HI-POT	2250 VDC@60 SECONDS

LED OPTION & SPECIFICATION



Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
Green	565	1.7V~2.6V	10μA max.
Yellow	590	1.7V~2.6V	10μA max.

TOLERANCE	APPROVALS	DATE
X. ±0.30	DRAWN Benly Han	05/11/2021
X.XX ±0.25	CHECKED Vivian Wen	05/11/2021
X.XXX ±0.10	APPROVED Roger Tsai	05/11/2021
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE -
UNLESS OTHERWISE SPECIFIED		

TITLE			
RJ45 1X1 1000 Base TYPE WITH FILTER WITH LED & POE			
UNIT mm		SIZE A3	PART No. RJMG201T2XX65XR
SCALE NA		SHEET 2 OF 2	
DWG No. RJMG201T2XX65XR		REV. AX3	

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