

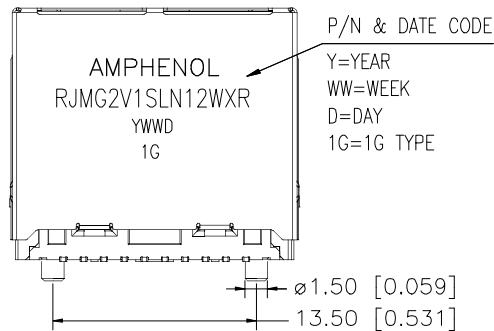
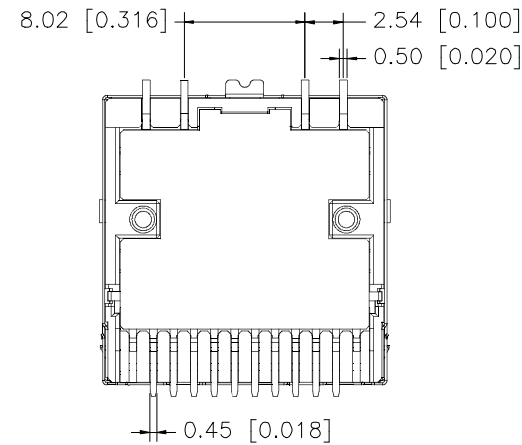
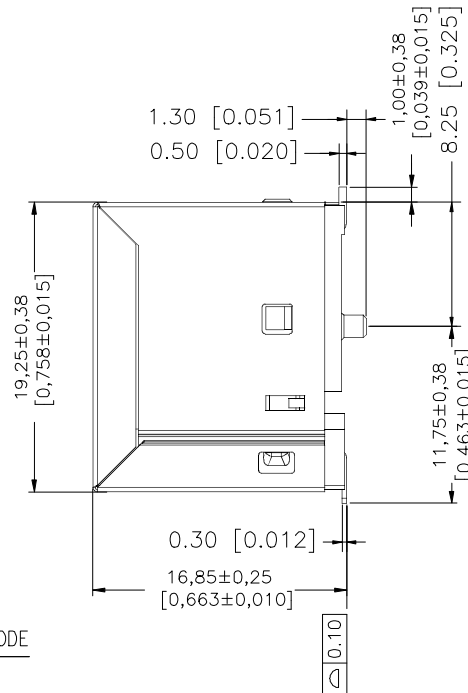
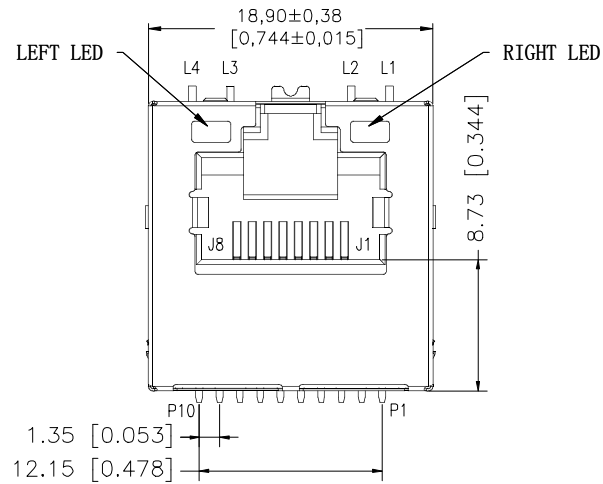
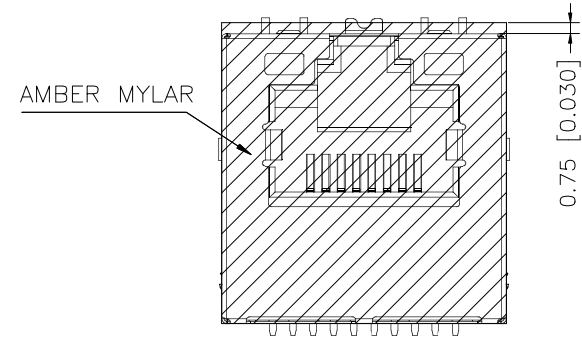
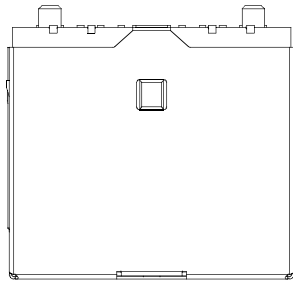
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The marking on this product doesn't contain environmental hazardous materials per Material Specification SS-00259 for Sony GP compliant or per directive 2011/65/EU for RoHS compliant.

CUSTOMER DRAWING

PRELIMINARY RELEASE
SUBJECT TO CHANGE

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX4	/	UPDATE THE DRAWING	09/02/2020	Roger Tsai
AX5	/	UPDATE THE DRAWING	09/23/2020	Roger Tsai



P/N & DATE CODE
Y=YEAR
WW=WEEK
D=DAY
1G=1G TYPE



TOLERANCE		APPROVALS		DATE		TITLE				Amphenol®					
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15		DRAWN Wesley Tang		09/23/2020		RJ45 1X1 1G SMT TYPE WITH LED TYPE				Amphenol Corporation Amphenol Taiwan Corporation					
		CHECKED Vivian Wen		09/23/2020											
		ANGULAR ±1°		APPROVED Roger Tsai		09/23/2020				UNIT mm		SIZE A3		PART No. RJMG2V1SLXX2WXR	
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE RJMG				SCALE NA		SHEET 1 OF 4		DWG No. RJMG2V1SLXX2WXR		REV. AX5	

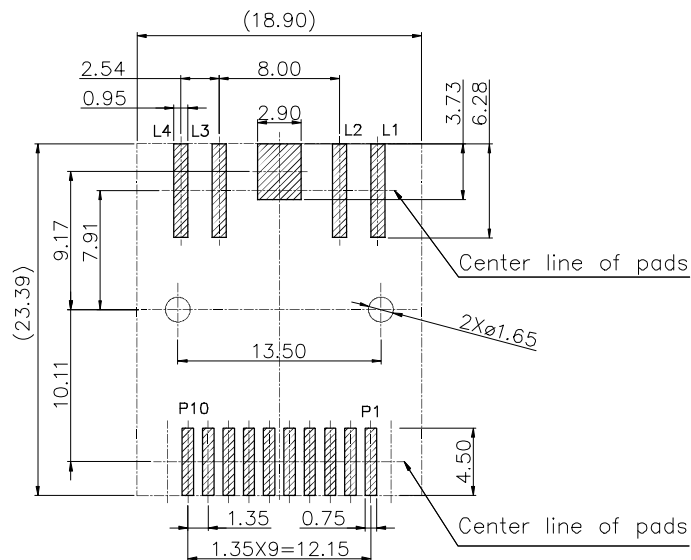
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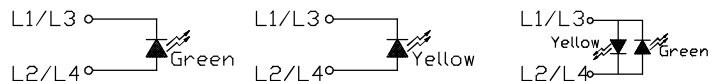
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PRELIMINARY RELEASE
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Recommended PCB Layout
(Tol: ±0.05)

LED OPTION



1. MATERIAL

- HOUSING : PA6T,BLACK, UL 94V-0
- SPACER : PA6T,BLACK, UL 94V-0
- RJ CONTACTS : PHOSPHOR BRONZE,T=0.35mm
- PLATING : SELECT GOLD 15U" ON CONTACT AREA, 100U" MIN. TIN PLATING ON SOLDER TAILS, 50U" MIN. NICKEL

OVERALL

- SOLDER TAIL TERMINAL : BRASS,T=0.30mm
- PLATING : 100U" MIN. TIN , 50U" MIN. NICKEL OVERALL
- SHIELD : STAINLESS, THICKNESS=0.15MM, 30U" MIN. NICKEL PLATING

2. RJ45 SPECIFICATIONS

- CONTACT RESISTANCE: 30mΩ Max.
- INSERTION FORCE WITH THE LATCH DEPRESSED :22N MAX.
- REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX.
- DURABILITY :750 CYCLES

3. OPERATING AND STORAGE TEMPERATURE

- OPERATING TEMPERATURE : -40°C TO +85°C
- STORAGE TEMPERATURE : -40°C TO +85°C

4. TEMPERATURE CONDITION OF REFLOW

SOLDERING:260±3°C•10SEC MAX.

PART NO. RJMG2V1SL X X 2W X R

RIGHT LED 1 CODE

LEFT LED 2 CODE

1: Green

N: Yellow

4: Bi-color Green/ Yellow

Packaging:

5: Tape&Reel



Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
Green	570	1.7V~2.6V	10μA max.
Yellow	590	1.7V~2.6V	10μA max.

TOLERANCE	APPROVALS	DATE	TITLE		Amphenol®			
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15 ANGULAR ±1° UNLESS OTHERWISE SPECIFIED	DRAWN Wesley Tang	09/23/2020	RJ45 1X1 1G SMT TYPE		Amphenol Corporation			
	CHECKED Vivian Wen	09/23/2020	WITH LED TYPE		Amphenol Taiwan Corporation			
	APPROVED Roger Tsai	09/23/2020						
	DWG TYPE CUST DWG	PROJECT CODE RJMG		UNIT mm	SIZE A3	PART No. RJMG2V1SLXX2WXR		
				SCALE NA	SHEET 2 OF 4	DWG No. RJMG2V1SLXX2WXR	REV. AX5	

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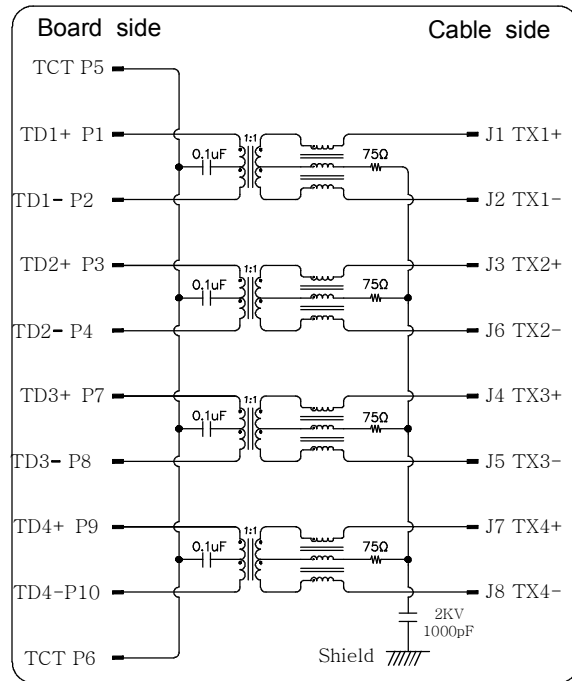
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AX5	/	UPDATE THE DRAWING	09/23/2020	Roger Tsai



ELECTRONICAL SCHEMATIC DRAWING:



ELECTRICAL CHARACTERISTICS :

- INSERTION LOSS :
 - 1~100 MHz -1.0dB MAX.
- RETURN LOSS(LOAD 100Ω) :
 - 1~30 MHz -18dB MIN.
 - 30~60 MHz -16dB MIN.
 - 60~80 MHz -12dB MIN.
 - 80~100 MHz -10dB MIN.
- COMMON MODE REJECTION
 - 1~100 MHz -30dB MIN.
- CROSS TALK
 - 1~100 MHz -30dB MIN.
- INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
 - (P1-P2),(P3-P4),(P7-P8),(P9-P10) : 350 uH MIN.
- DCR
 - (J1-J2),(J3-J6),(J4-J5),(J7-J8) : 1.2 Ω MAX.
- HI-POT TEST
 - BOARD SIDE TO CABLE SIDE : 2250VDC 60S
- URNS RATION 100KHz
 - (P1-P2) : (J1-J2) = 1:1 ±%3
 - (P3-P4) : (J3-J6) = 1:1 ±%3
 - (P7-P8) : (J4-J5) = 1:1 ±%3
 - (P9-P10) : (J7-J8) = 1:1 ±%3

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TOLERANCE		APPROVALS		DATE		TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation		
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15		DRAWN Wesley Tang		09/23/2020		RJ45 1X1 1G SMT TYPE					
		CHECKED Vivian Wen		09/23/2020		WITH LED TYPE					
ANGULAR ±1°		APPROVED Roger Tsai		09/23/2020				UNIT mm	SIZE A3	PART No. RJMG2V1SLXX2WXR	
UNLESS OTHERWISE SPECIFIED		DWG TYPE CUST DWG		PROJECT CODE RJMG				SCALE NA	SHEET 3 OF 4	DWG No. RJMG2V1SLXX2WXR	REV. AX5

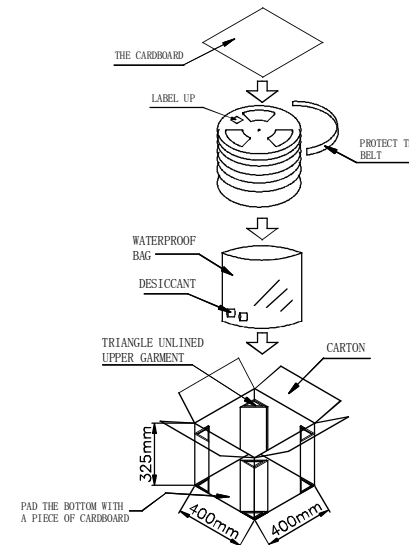
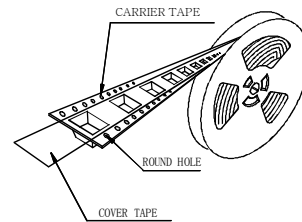
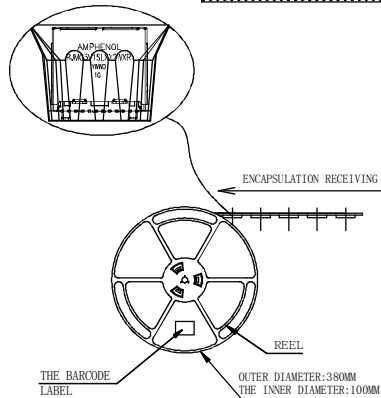
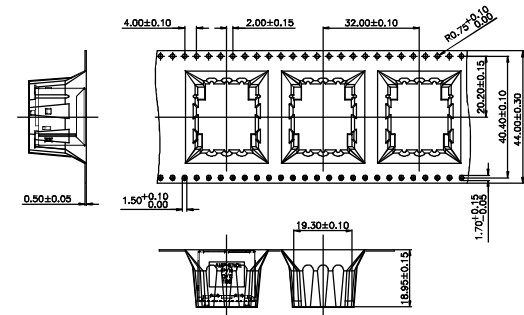
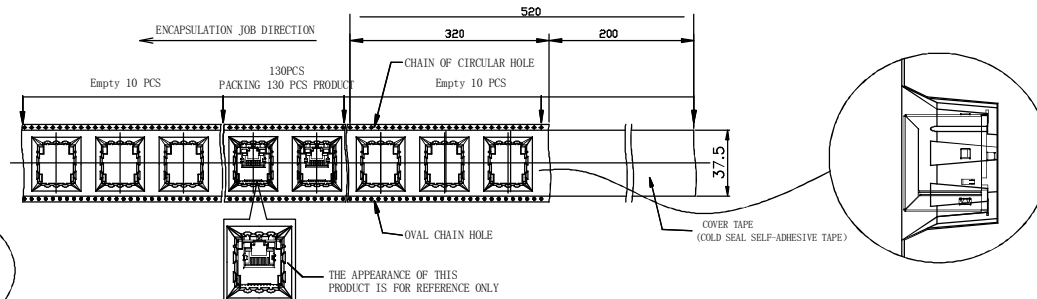
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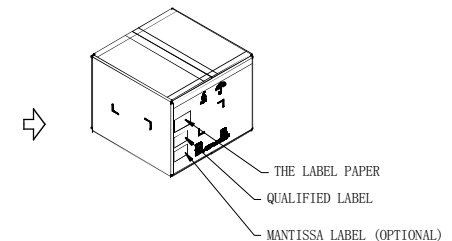
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PACKAGING SPECIFICATIONS:

1. PAD A PIECE OF CARDBOARD AT THE BOTTOM OF THE OUTER BOX
2. PUT ONE HORNED SHIRT AT EACH OF THE FOUR CORNERS OF THE OUTER CASE
3. THE LABEL SHOULD BE POSTED ON THE OVAL HOLE SURFACE OF THE CARRIER BELT, AND THE REEL LABEL SHOULD BE FACING UP
4. LAY THE ROLLED PRODUCT FLAT IN THE WATERPROOF BAG
5. PUT THE PACKAGED PRODUCT INTO THE OUTER BOX
6. PUT A PIECE OF CARDBOARD ON TOP
7. LABEL ON THE OUTSIDE OF THE BOX



NOTES:

1. PACKING CONFORMS EIA-481-B STANDARDS.
2. 10 SPROCKET HOLE PITCH CUMULATIVE.
3. CARRIER CAMBER IS WITHIN 1MM IN 250MM.
4. MATERIAL: PET.
5. PACKING LENGTH PER 15" REEL: 4.8 METERS.
6. COMPONENT LOADS FOR EACH 15" VOLUME: FRONT EMPTY 10 + 130 PCS + BACK EMPTY 10.

PART NAME	PCS/REEL	REEL/CARTON	PCS/TOTAL
RJ45 1X1	130	6	780



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X.X ±0.35		CHECKED		Vivian Wen		09/23/2020		WITH LED TYPE													
X.XX ±0.25		APPROVED		Roger Tsai		09/23/2020				UNIT		mm		SIZE		A3		PART No.		RJMG2V1SLXX2WXR	
X.XXX ±0.15										SCALE		NA		SHEET		4 OF 4		DWG No.		RJMG2V1SLXX2WXR	
ANGULAR ±1°																					
UNLESS OTHERWISE SPECIFIED				DWG TYPE		PROJECT CODE															
				CUST DWG		RJMG															