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The marking on this product doesn't contain environmental hazardous materials per directive 2011/65/EU & 2015/863/EU for RoHS compliant .

PRELIMINARY RELEASE
SUBJECT TO CHANGE

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	BY
AX6	-	UPDATE DRAWING	2021.09.27	Benly Han

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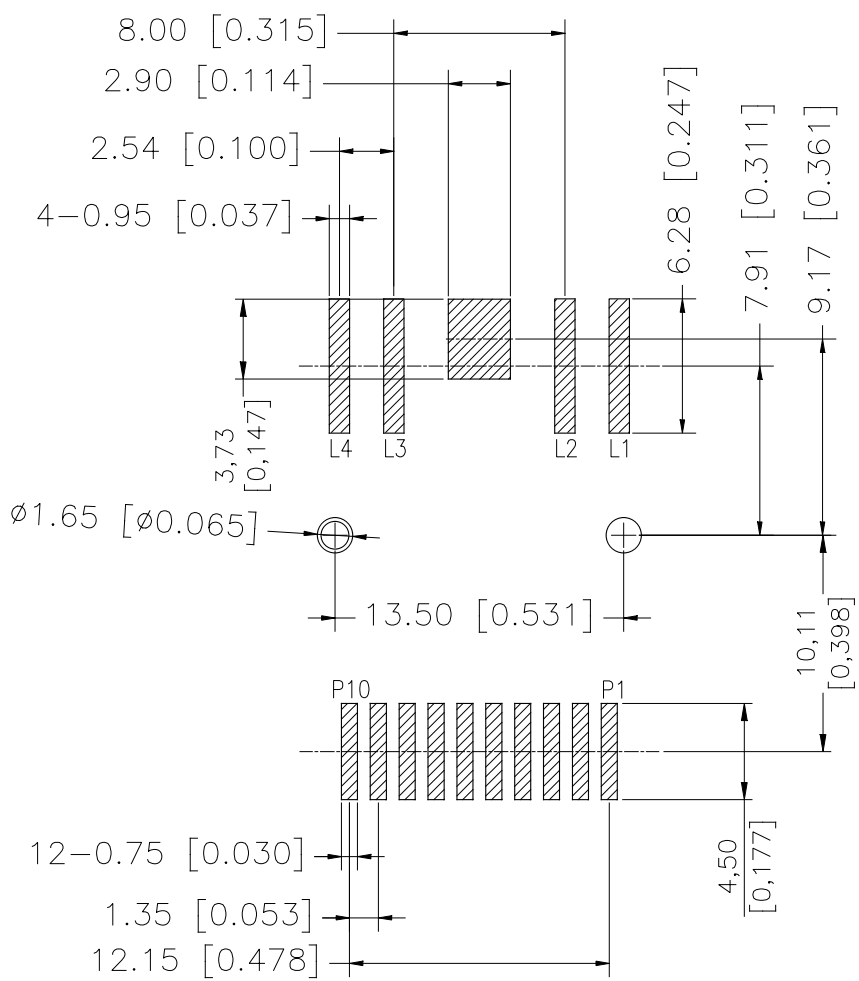
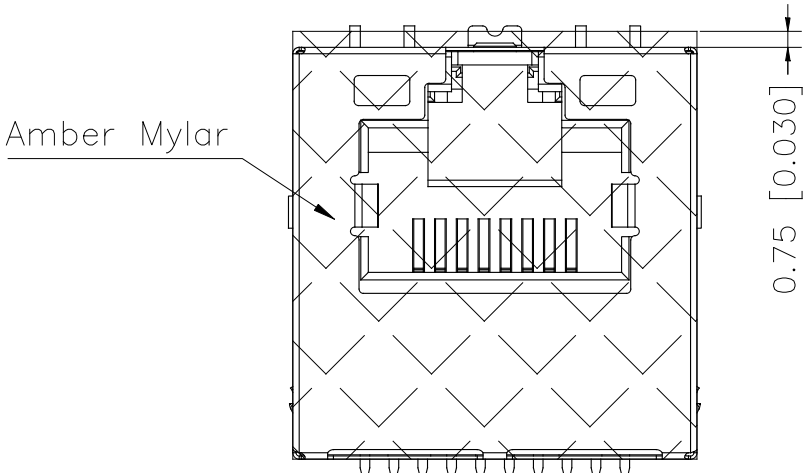
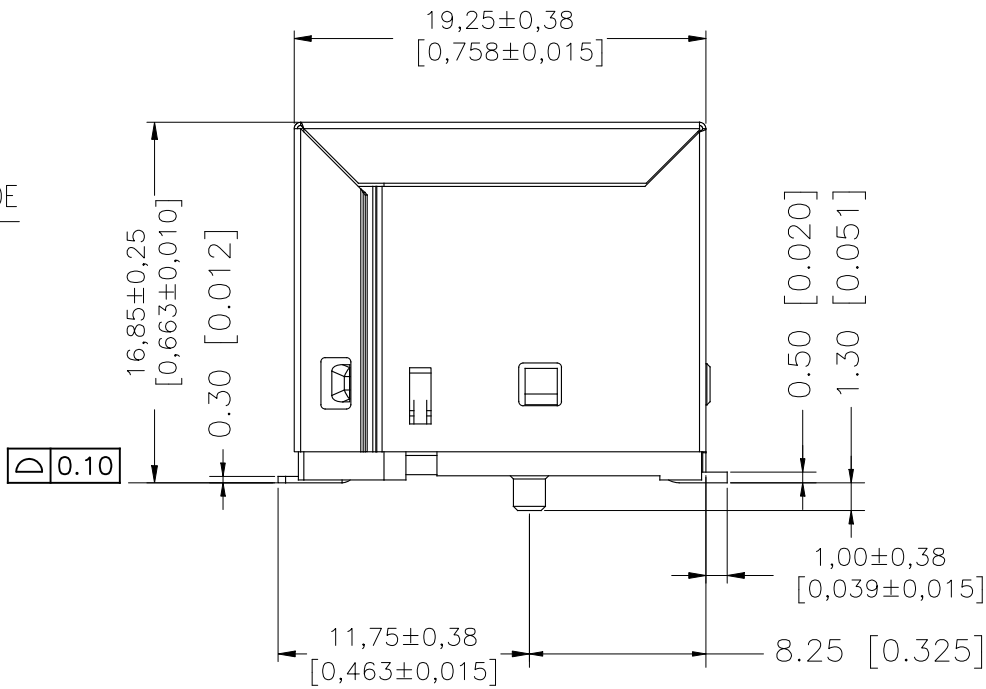
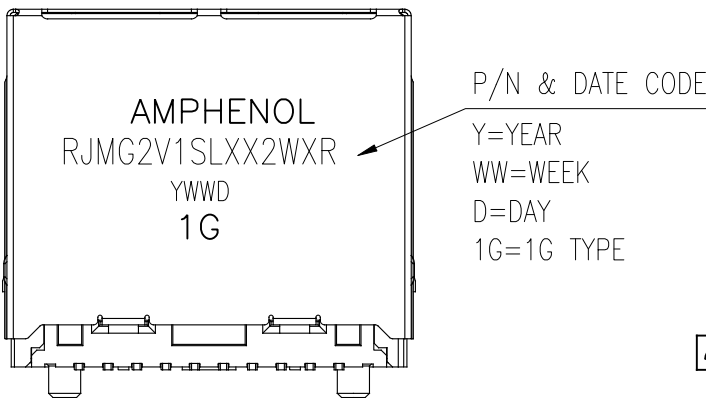
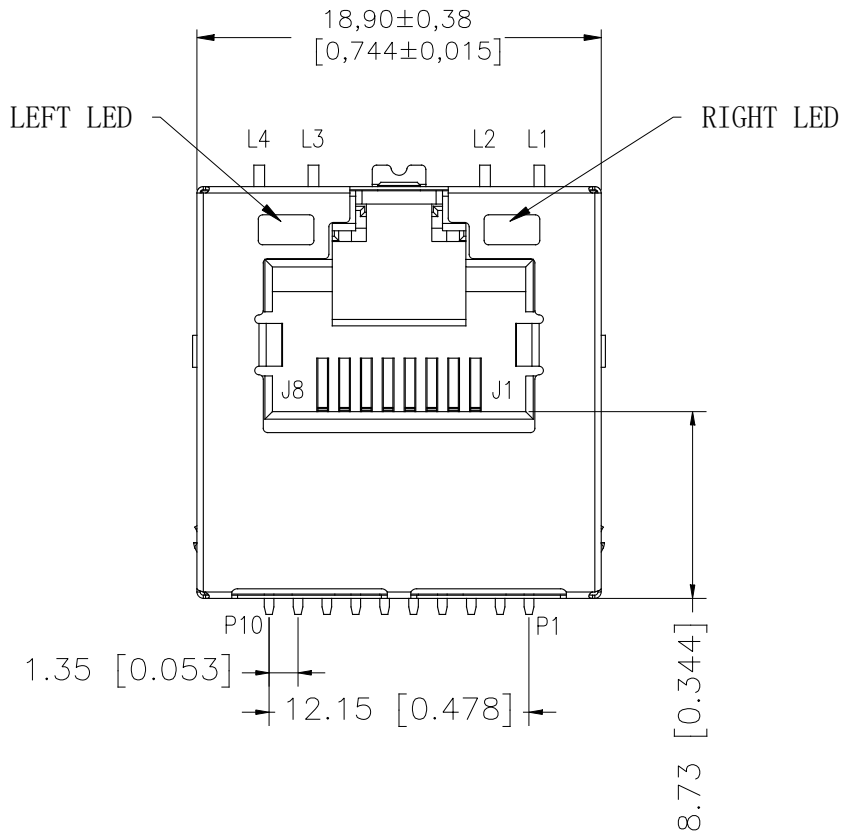
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RECOMMENDED P. C. B LAYOUT
TOP VIEW (COMPONENT SIDE)

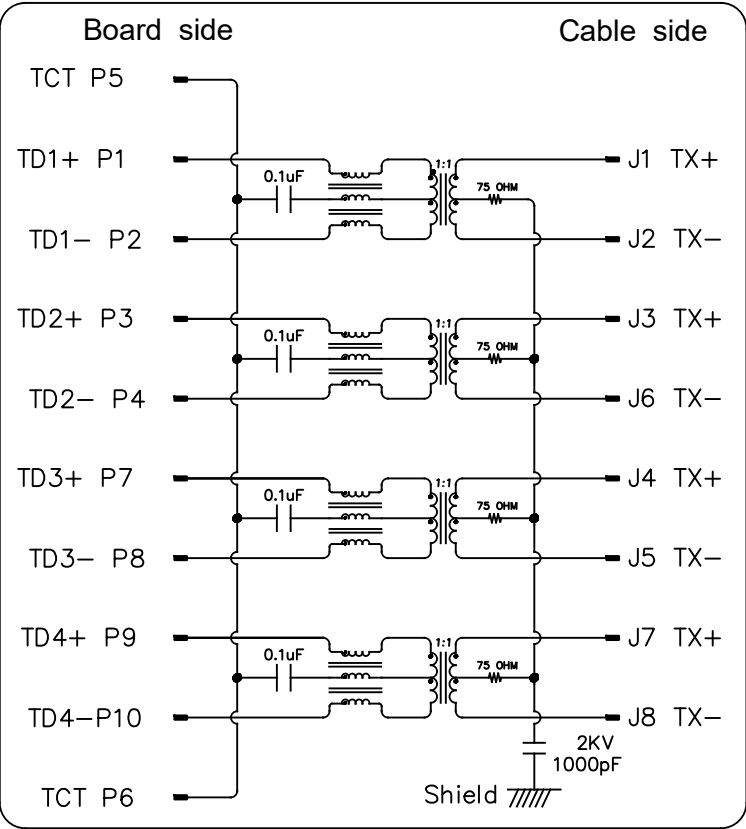


TOLERANCE	DRAWN	APPROVALS	DATE	TITLE			Amphenol®		
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15 ANGULAR ±2° UNLESS OTHERWISE SPECIFIED	DESIGNED	Benly Han	09/27/2021	RJ45 1X1 1G SMT TYPE WITH LED TYPE			Amphenol Corporation Amphenol Taiwan Corporation		
	CHECKED	Vivian Wen	09/27/2021						
	APPROVED	Roger Tsai	09/27/2021						
	DWG TYPE	CUST DWG	PROJECT CODE RJMG				PART No.	RJMG2V1SLXX2WXR	
							DWG No.	RJMG2V1SLXX2WXR	
							REV.	AX6	

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SCHEMATIC FOR RJ45:



PART NO. RJMG2V1SL X X 2W X R

RIGHT LED 1 CODE

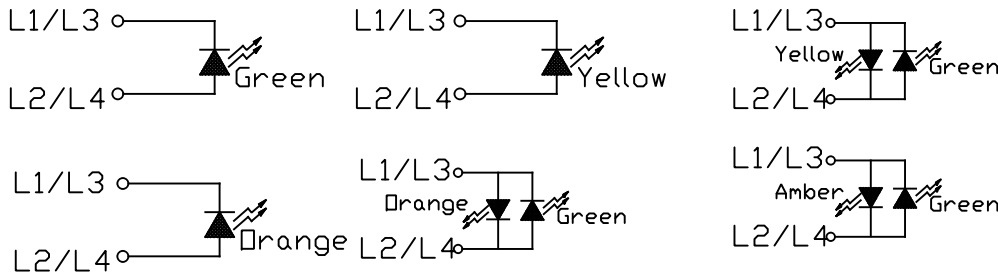
LEFT LED 2 CODE

1: Green
N: Yellow
U: Oange
4: Bi-color Green/ Yellow
6: Bi-color Green/ Orange
P: Bi-color Green/ Amber

Packaging
and plating:

5: gold 15u" Tape&Reel
1: gold 6u" Tape&Reel
0: gold flash Tape&Reel
2: gold 30u" Tape&Reel
3: gold 50u" Tape&Reel

- 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
- 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



- MATERIAL
 - HOUSING : PA6T,BLACK, UL 94V-0
 - SPACER : PA6T,BLACK, UL 94V-0
 - RJ CONTACTS : PHOSPHOR BRONZE,T=0.35mm
 - PLATING : SELECT GOLD (SEE P/N) 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
- 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
- OPERATING AND STORAGE TEMPERATURE
 - OPERATING TEMPERATURE : -40°C TO +85°C
 - STORAGE TEMPERATURE : -40°C TO +85°C
- TEMPERATURE CONDITION OF REFLOW SOLDERING:260±3°C,10SEC MAX.

LED OPTION

Emitting Color	λp (nm)	Vf @If=20mA	Ir @Vr=5V
Green	565	1.7V~2.6V	10μA max.
Yellow	585	1.7V~2.6V	10μA max.

TOLERANCE	DRAWN	APPROVALS	DATE	TITLE		UNIT		SIZE		PART No.		DWG No.		REV.	
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15	DESIGNED	Benly Han	09/27/2021												
ANGULAR ±2°	CHECKED	Vivian Wen	09/27/2021	RJ45 1X1 1G SMT TYPE WITH LED TYPE		mm		A3		RJMG2V1SLXX2WXR		RJMG2V1SLXX2WXR		AX6	
UNLESS OTHERWISE SPECIFIED	APPROVED	Roger Tsai	09/27/2021												
	DWG TYPE	CUST DWG	PROJECT CODE	RJMG		NA		2 OF 3							

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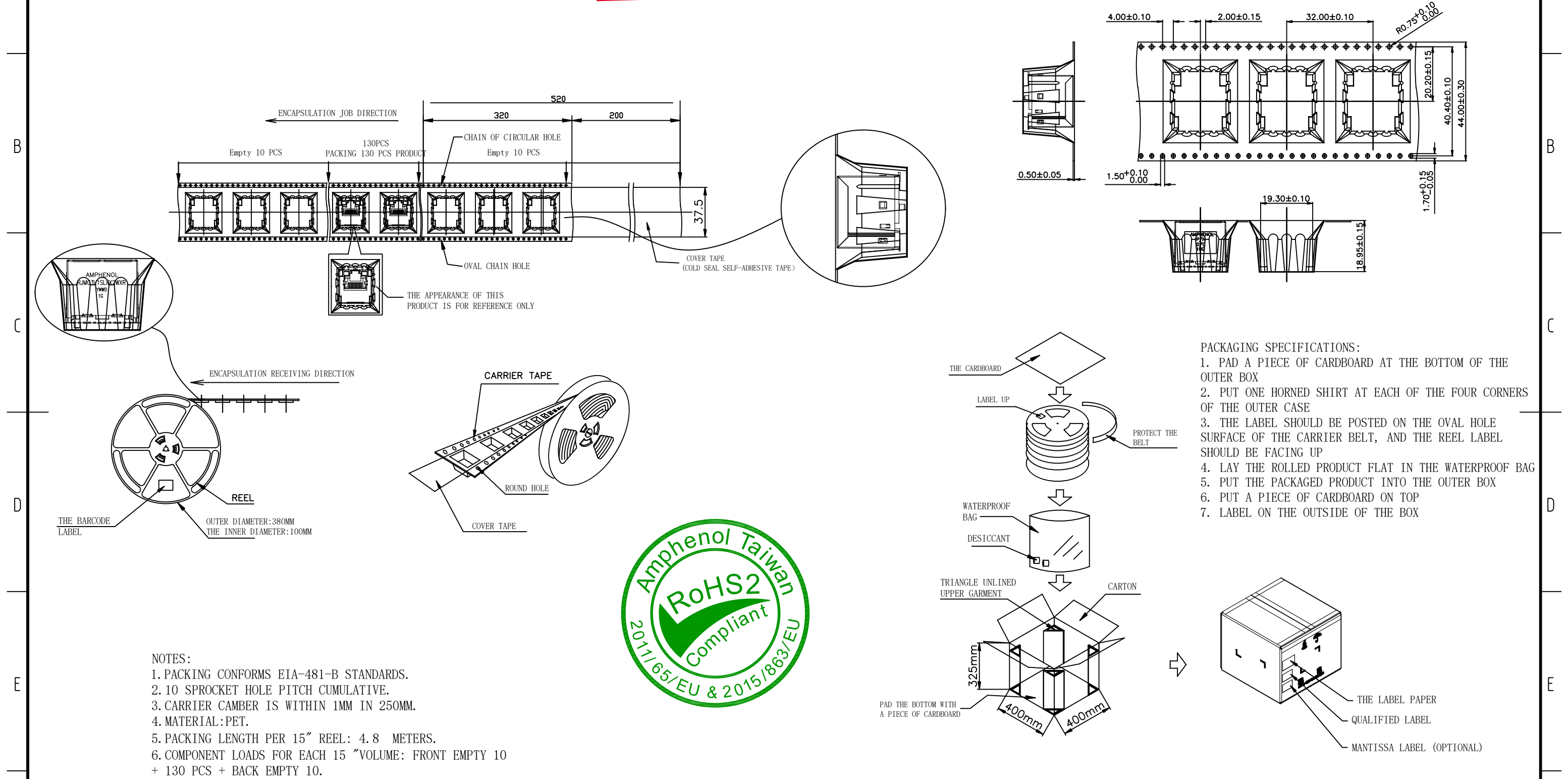
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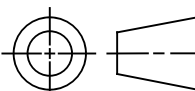


NOTES:

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.X ±0.35 X.XX ±0.25 X.XXX ±0.15 ANGULAR ±2°	DESIGNED	Benly Han	09/27/2021	RJ45 1X1 1G SMT TYPE WITH LED TYPE 			UNIT	mm	SIZE	A3	PART No.	RJMG2V1SLXX2WXR		
	CHECKED	Vivian Wen	09/27/2021				SCALE	NA	SHEET	3 OF 3	DWG No.	RJMG2V1SLXX2WXR	REV.	AX6
	APPROVED	Roger Tsai	09/27/2021				UNLESS OTHERWISE SPECIFIED		CUST DWG	PROJECT CODE	RJMG			