

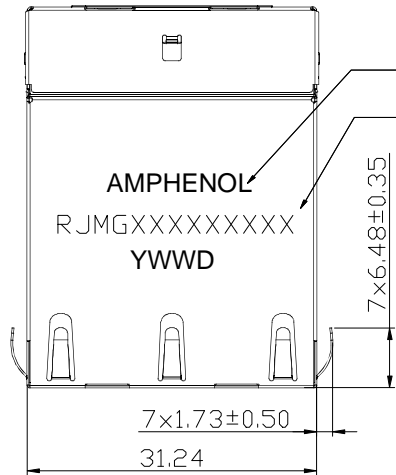
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CUSTOMER DRAWING

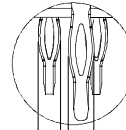
REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX2		UPDATE THE DRAWING	04/25/2019	Lawrence Chan
AX3		UPDATE THE DRAWING	11/27/2019	Lawrence Chan
AX4		ADD PACKING INFORMATION	10/22/2020	Roger Tsai

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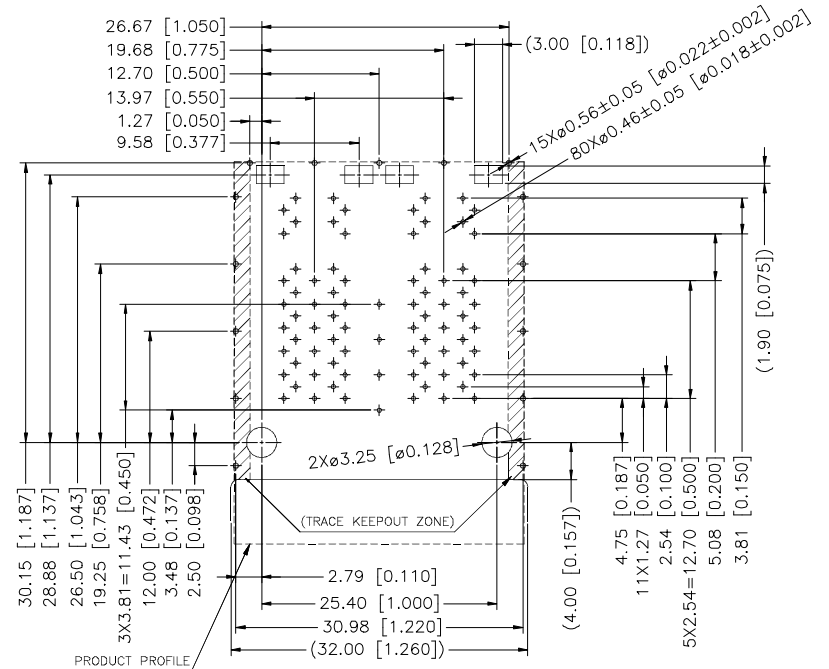
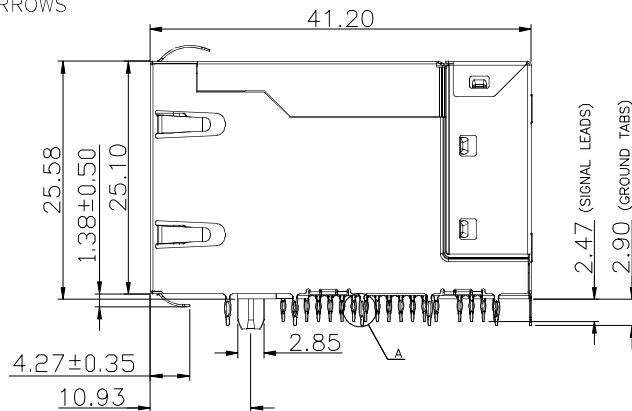
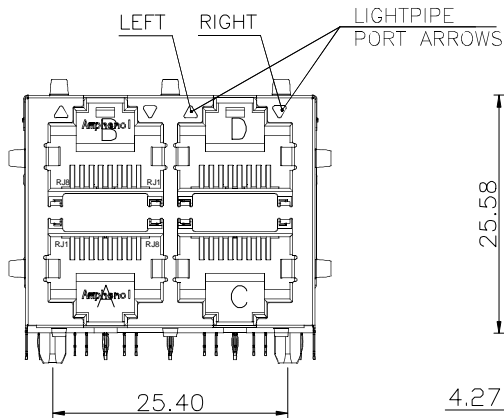


PART NUMBER

DATE CODE
Y=YEAR
WW=WEEK
D=DAY



DETAIL A



RECOMMENDED PCB LAYOUT COMPONENT SIDE
ALL DIMENSION TOLERANCE ARE ± 0.05 UNLESS OTHERWISE SPECIFIED
THE RECOMMENDED THICKNESS OF PCB BOARD IS 2.3MM
LOCATE FEATURES: $\phi \phi 0.13$
POSITION DIMENSIONS ARE BASIC



TOLERANCE	APPROVALS	DATE	TITLE			PART No.		
X. ±0.35	DRAWN Wesley Tang	10/22/2020	RJ45 2X2 10G Base-T TYPE WITH FILTER & WITH LIGHTPIPE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation		
X.X ±0.25	CHECKED Benly Han	10/22/2020						
X.XXX ±0.10	APPROVED Roger Tsai	10/22/2020						
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE RJMG	UNIT mm	SIZE A3	PART No. RJMG322DNXXE3XR			
UNLESS OTHERWISE SPECIFIED			SCALE NA	SHEET 1 OF 4	DWG No. RJMG322DNXXE3XR			
					REV. AX4			

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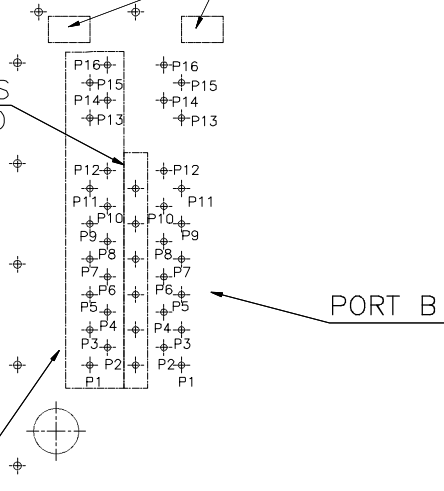
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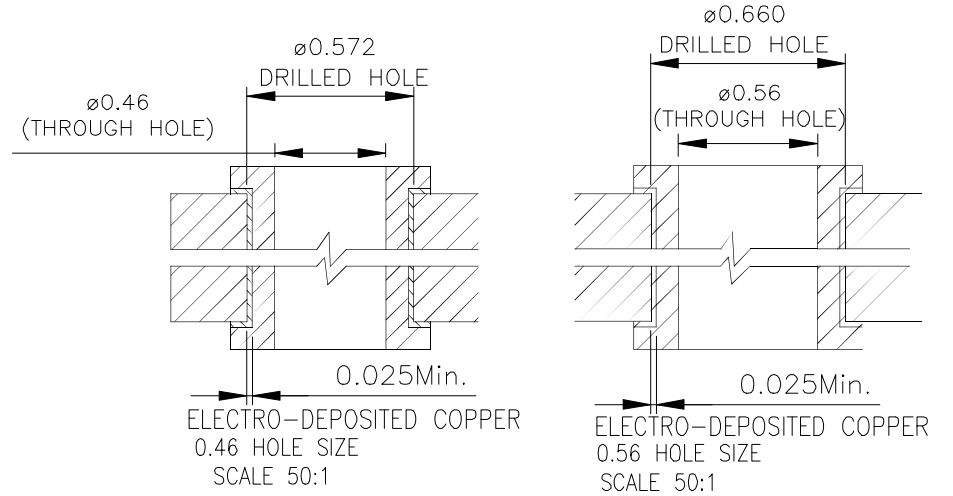
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LIGHT TUBE PROFESSOR ILES ONLY HAS: CABLE BROADBAND 0603 OR SMALLER SIZE PACKAGE SMD LED, MAXIMUM HEIGHT 1.1 MM

INNER SHIELD HOLES FOR PORT GROUND



PIN OUT INFORMATION COMPONENT SIDE VIEW

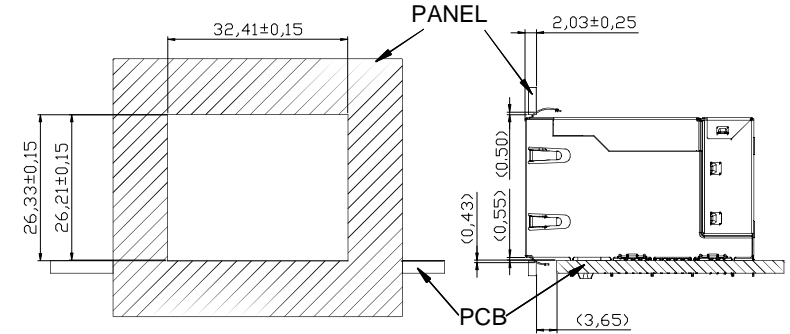


PART NO. RJMG322DN X X E3 X R

PLATING AND PACKAGING OPTION:

RIGHT LIGHTPIPE CODE
LEFT LIGHTPIPE CODE
0: NO LIGHTPIPE BLOCKED HOLE
1: WITH LIGHTPIPE

B: GOLD 6U", TRAY
C: GOLD FLASH, TRAY
D: GOLD 15U", TRAY
E: GOLD 30U", TRAY
F: GOLD 50U", TRAY



RECOMMENDED PANEL CUTOUT

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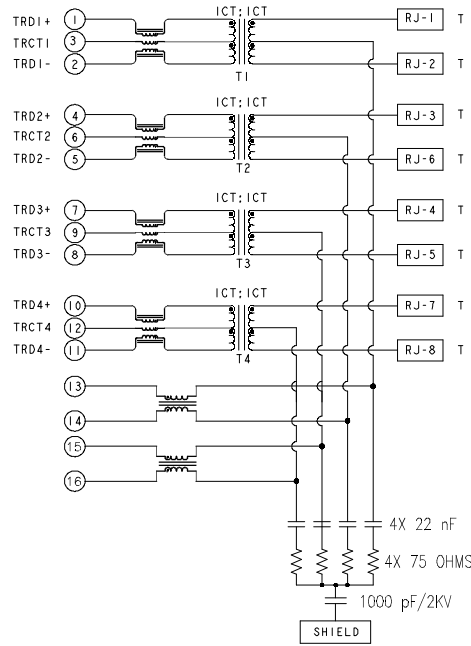
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X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.10	DRAWN Wesley Tang	10/22/2020	RJ45 2X2 10G Base-T TYPE WITH FILTER & WITH LIGHTPIPE		Amphenol Corporation Amphenol Taiwan Corporation	
	CHECKED Benly Han	10/22/2020				
	APPROVED Lawrence Chan	10/22/2020				
ANGULAR ±1°	DWG TYPE CUST DWG	PROJECT CODE RJMG	UNIT mm	SIZE A3	PART No. RJMG322DNXXE3XR	
UNLESS OTHERWISE SPECIFIED			SCALE NA	SHEET 2 OF 4	DWG No. RJMG322DNXXE3XR	REV. AX4

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1. TERMINAL PARTS:

- 1.1. RJ TERMINAL : PHOSPHOR BRONZE, THICKNESS=0.30MM
FINISH: SELECT GOLD (SEE THE P/N) ON CONTACT AREA,
- 1.2. RJ INPUT TERMINAL : BRASS, THICKNESS=0.20MM
FINISH: 100U" MIN. TIN OVER 50~100U" NICKEL.
100U" MIN. MATTE TIN PLATING ON SOLDER TAILS
- 1.3. MODULE TERMINAL : BRASS, THICKNESS=0.25MM
FINISH: 100U" MIN. TIN OVER 50~100U" NICKEL.

2. PLASTIC PARTS:

- 2.1. HOUSING : HIGH TEMP. THERMOPLASTIC , BLACK
FLAME CLASS: UL94 V-0
- 2.2. COIL CASE : HIGH TEMP. THERMOPLASTIC , BLACK
FLAME CLASS: UL94 V-0

3. SHELL PARTS:

- 3.1. SHELL: BRASS, THICKNESS=0.25MM

OTHERS:

1. OPERATING TEMPERATURE : -40°C TO +85°C
2. STORAGE TEMPERATURE : -40°C TO +85°C
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS
PART 68 , SUBPART F
4. MATING/UNMATING FORCE: MATING/UNMATING 2.1KG MAX
5. RETENTION FORCE FOR RJ PORT: 5KG FOR 1 MINUTE

ELECTRICAL SPECIFICATION (@25° C)

PARAMETER:	LIMITS:	TEST CONDITIONS:	
TURN RATIO	1:1±3%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHz -3.0 dB MAX	1-400 MHz -2.0 dB MAX.	
RETURN LOSS (Z ₀ OUT = 100 OHM ± 1%)	1-100 MHz -22 dB MIN	100 MHz - 500 MHz -22 + 20.75*LOG (f/100)	
INDUCTANCE (OCL)	180uH @100 kHz	100 mV	
CROSSTALK ISOLATION	1-100 MHz -28 dB MIN	100 - 500 MHz -19 dB MIN	
COMMON MODE REJECTION RATIO	1-40 MHz -30 dB MIN	40-100 MHz -28 dB MIN	100-500 MHz -22 dB MIN
COMMON TO DIFFERENTIAL MODE REJECTION	1-250 MHz -30 dB MIN	250 - 500 MHz -20 dB MIN	
HIPOT (ISOLATION)	2250 VDC	60S	
MAXIMUM CONTINUOUS POE CURRENT, PER TWISTED PAIR	900 mA MAX. (1.0 A MAX FOR 75 ms)		

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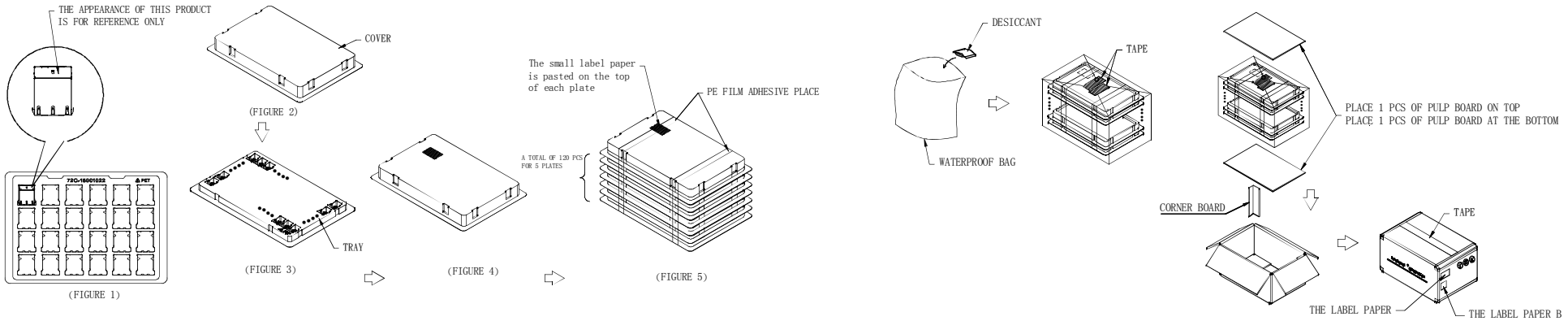
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1-1. PUT THE FINISHED PRODUCT INTO THE GROOVE CORRESPONDING TO THE BASE ACCORDING TO ITS APPEARANCE AND SHAPE, WITH THE TOP FACING UP (AS SHOWN IN FIGURE 1).
1-2. EACH TRAY IS FULL OF 24 PCS OF FINISHED PRODUCTS, WHICH SHOULD NOT BE PLACED LESS OR INCORRECTLY.

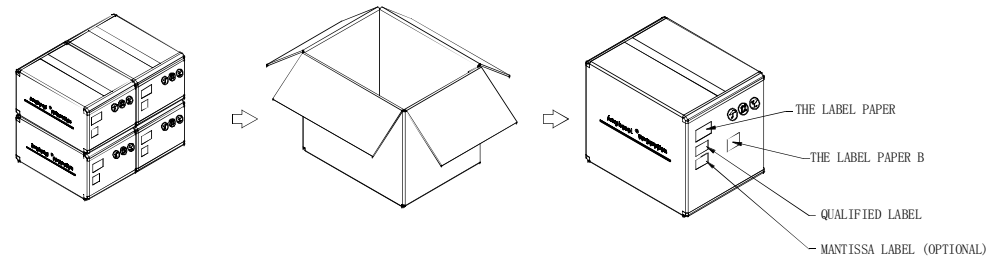
2-1. FILL THE BASE WITH FINISHED PRODUCTS, AND THEN COVER THE TOP AND BOTTOM (AS SHOWN IN FIGURE 2 AND 3).
2-2. A TOTAL OF 420 PCS WERE OVERLAPPED TO 7 PLATES (AS SHOWN IN FIGURE 5). FINALLY, PE FILM WAS USED TO GLUE THE WHOLE RING IN THE WIDTH DIRECTION.

3-1. PUT A BAG OF DESICCANT AT THE BOTTOM OF THE WATERPROOF BAG FIRST.
3-2. PLACE STEP 2 IN A WATERPROOF BAG, STACKED FLAT AGAINST EACH OTHER.
3-3. FOLD THE WATERPROOF BAG NEATLY AND SECURE IT WITH ADHESIVE TAPE.

4-1. FIRST PLACE 1 PCS OF PULP BOARD AT THE BOTTOM OF THE INNER BOX, AND PLACE THE WATERPROOF BAG OF STEP 3-3 INTO THE INNER BOX.
4-2. PLACE 1 PCS CORNER PLATES AT EACH CORNER AND ANOTHER 1 PCS PULP BOARD ON THE TRAY TOP.
4-3. SEAL WITH ADHESIVE TAPE AND ATTACH THE FINISHED PRODUCT PACKAGING LABEL.



5-1. PUT FOUR INNER BOXES INTO ONE OUTER BOX.
5-2. SEAL THE OUTER BOX WITH ADHESIVE TAPE AND PASTE CORRESPONDING LABELS AS REQUIRED.



CARTON OUTSIDE DIMENSIONS -L : 535MM · W : 390MM · H : 450MM
INSIDE THE BOX SIZE -L : 375MM · W : 253MM · H : 205MM

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