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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

REVISIONS				
SYM	ECN No.	DESCRIPTION	DATE	APPROVED
AX4	/	UPDATE DRAWING	06/01/2021	Roger Tsai

A

B

C

D

E

F

A

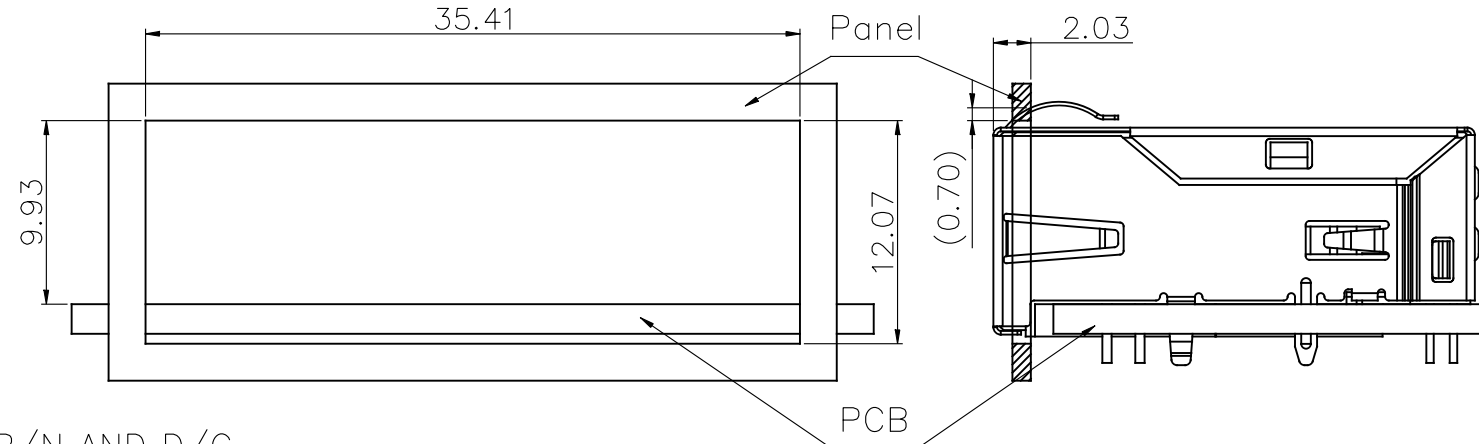
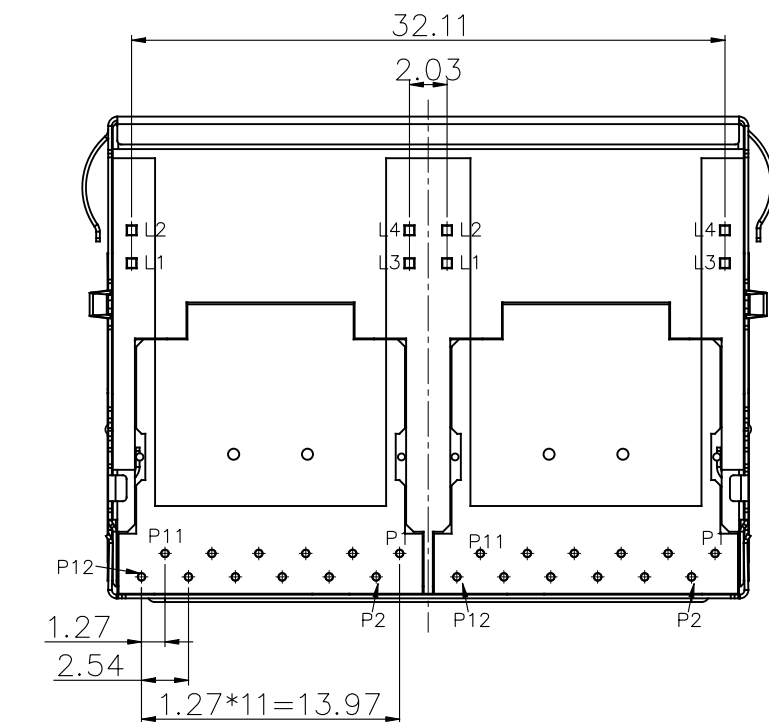
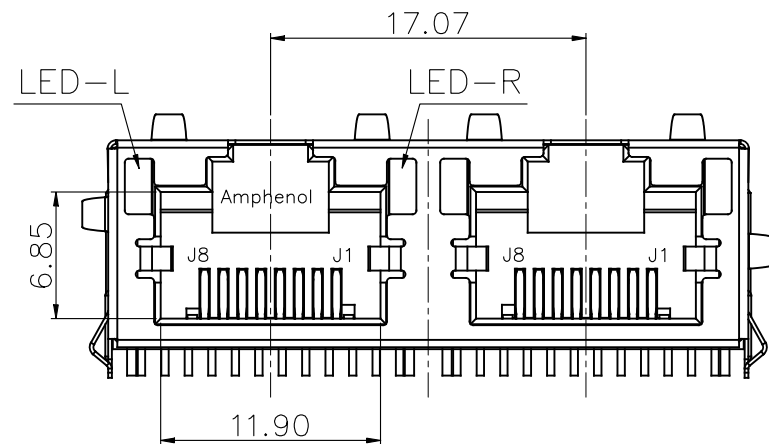
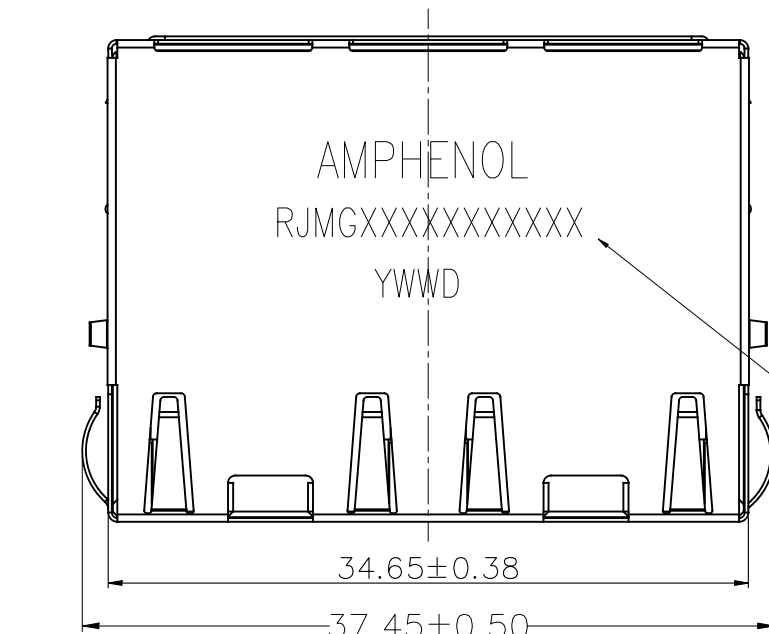
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C

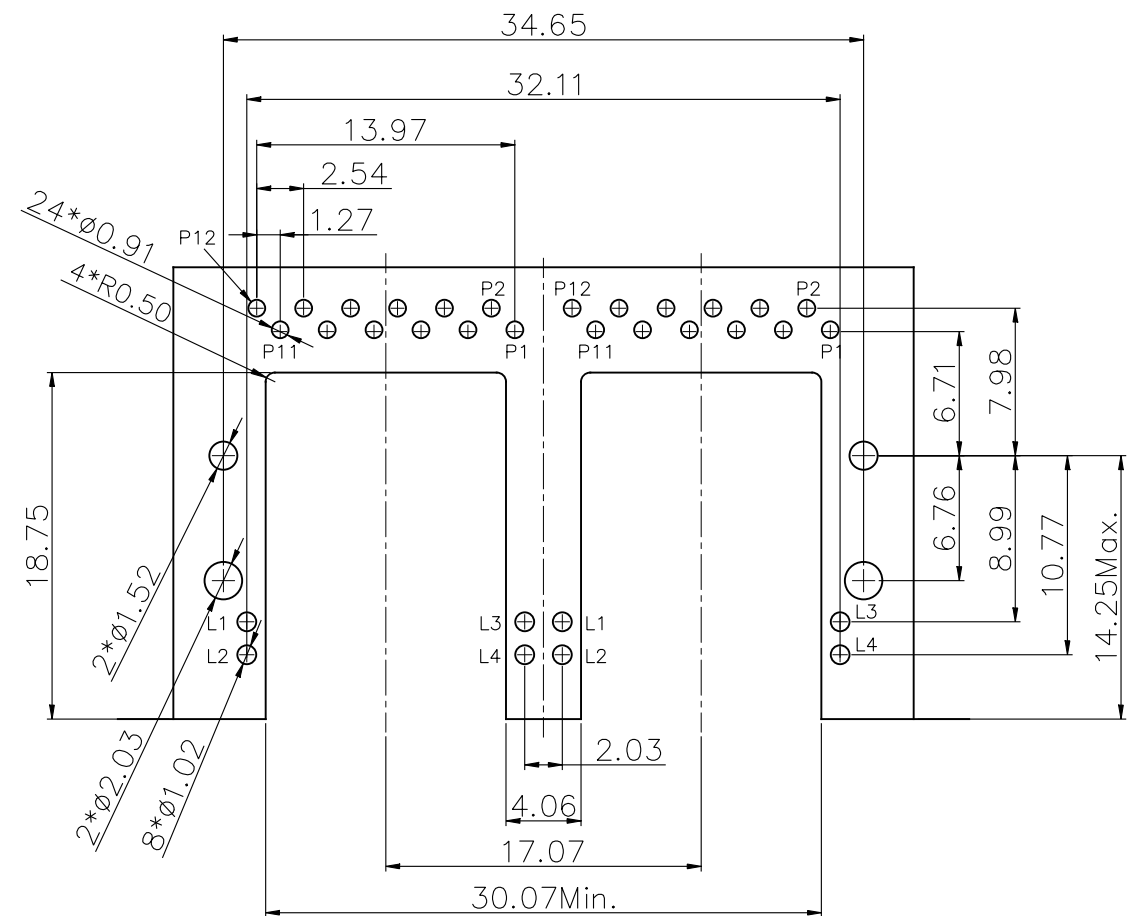
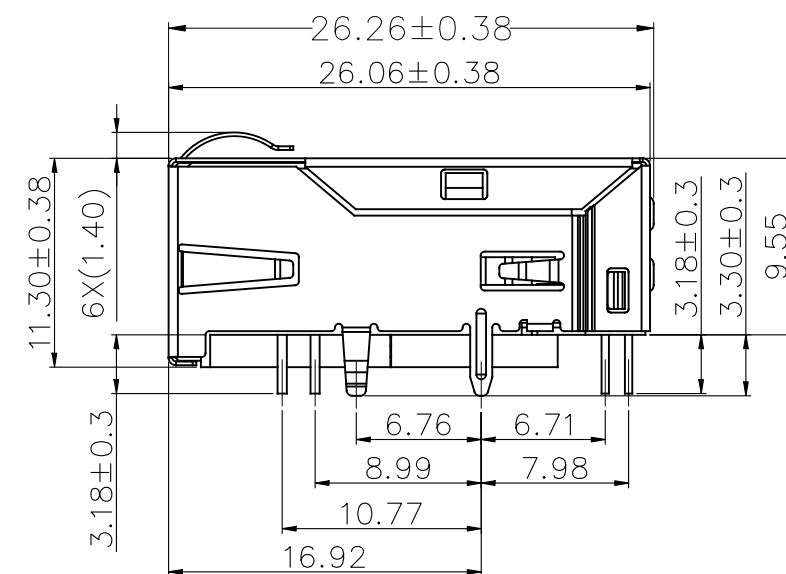
D

E

F



Recommended Panel Layout



Recommended PCB Layout
(Tol: ±0.05, T=1.60±0.15mm)

TOLERANCE	APPROVALS	DATE	TITLE		Amphenol®	
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15 ANGULAR ±1° UNLESS OTHERWISE SPECIFIED	DRAWN Benly Han	06/01/2021	RJ45 1X2 GIGABIT WITH FILTER & W/ LED OPTION TYPE		Amphenol Corporation Amphenol Taiwan Corporation	
	CHECKED Vivian Wen	06/01/2021				
	APPROVED Roger Tsai	06/01/2021				
	DWG TYPE CUST DWG	PROJECT CODE RJMG		UNIT mm SCALE NA	SIZE A3 SHEET 1 OF 4	PART No. RJMG212S2XX30XR DWG No. RJMG212S2XX30XR REV. AX4

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REVISIONS				
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AX4	/	UPDATE DRAWING	06/01/2021	Roger Tsoi

PHY SIDE

MD1+ P1

MDCT1 P3

MD1- P2

MD2+ P4

MDCT2 P6

MD2- P5

MD3+ P7

MDCT3 P9

MD3- P8

MD4+ P10

MDCT4 P12

MD4- P11

1CT:1CT

1CT:1CT

1CT:1CT

1CT:1CT

CABLE SIDE

J1 MX1+

J2 MX1-

J3 MX2+

J6 MX2-

J4 MX3+

J5 MX3-

J7 MX4+

J8 MX4-

(4X)75Ω R1 R2 R3 R4

1000PF 2KV

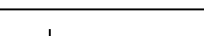
SHIELD

PARAMETER	LIMITS (MAX. OR MIN.)	FREQUENCY RANGE/ TEST CONDITIONS
INSERTION LOSS (RX/TX)	-1.0dB MAX. -1.2dB MAX.	1-100 MHz 100-125 MHz
RETURN LOSS (RX/TX)	-18dB MIN. -16dB MIN. -12dB MIN. -10dB MIN.	1-30 MHz 30-60 MHz 60-80 MHz 80-100 MHz
CM-CM REJECTION	-30dB MIN.	1-100 MHz
CROSSTALK ISOLATION (RX/TX)	-30dB MIN.	1-100 MHz
HIPOT (ISOLATION)	2250V DC	60 Sec.
OCL	350uH MIN.	100KHz 100mV 8mA
TURN RATIO	1:1±5%	

EMITTING COLOR	λ_p (nm)	$V_f(I_f=20mA)$	$I_r @ V_r=5V$
Green	565	1.7~2.6V	10uA Max.
Yellow	585	1.7~2.6V	10uA Max.

4. WAVE Soldering Temperature:265°C 10S MAX.



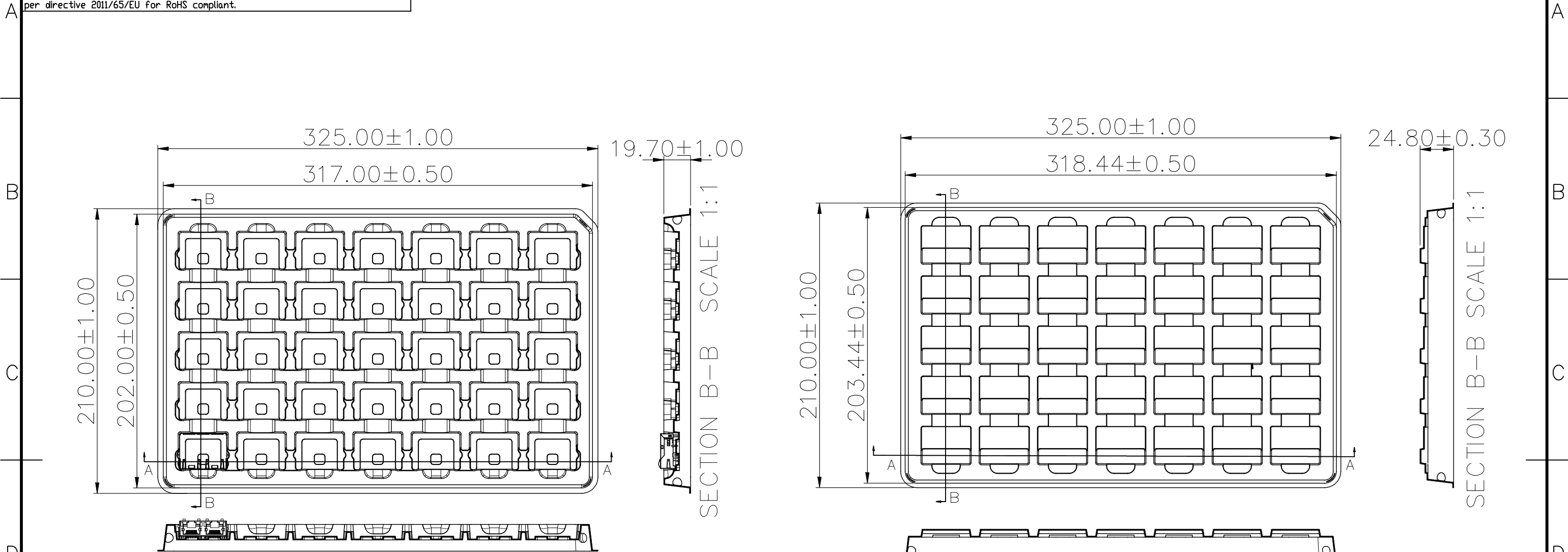
TOLERANCE		APPROVALS	DATE	TITLE			Amphenol® Amphenol Corporation Amphenol Taiwan Corporation		
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15	DRAWN	Benly Han	06/01/2021	RJ45 1X2 GIGABIT WITH FILTER & W/ LED OPTION TYPE					
	CHECKED	Vivian Wen	06/01/2021						
	APPROVED	Roger Tsai	06/01/2021						
ANGULAR ±1°					UNIT mm	SIZE A3	PART No. RJMG212S2XX30XR		
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE RJMG			SCALE NA	SHEET 2 OF 4	DWG No. RJMG212S2XX30XR		REV. AX4

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CUSTOMER DRAWING

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AX4	/	UPDATE DRAWING	06/01/2021	Roger Tsai



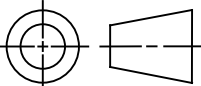
SECTION A-A SCALE 1:1

Bottom Tray:
325mm*210mm*19.70mm
Tray : 35 PCS

SECTION A-A SCALE 1:1

Top Cover:
325mm*210mm*24.80mm



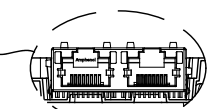
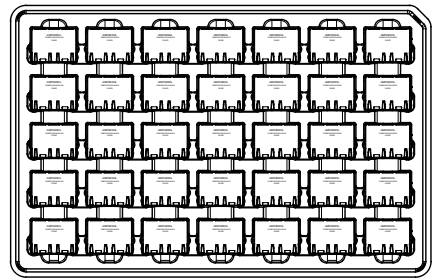
TOLERANCE	APPROVALS	DATE	TITLE			Amphenol [®] Amphenol Corporation Amphenol Taiwan Corporation		
X. X.X ±0.35 X.XX ±0.25 X.XXX ±0.15 ANGULAR ±1°	DRAWN Benly Han	06/01/2021	RJ45 1X2 GIGABIT WITH FILTER & W/ LED OPTION TYPE			PART No. RJMG212S2XX30XR		
	CHECKED Vivian Wen	06/01/2021						
	APPROVED Roger Tsai	06/01/2021						
UNLESS OTHERWISE SPECIFIED	DWG TYPE CUST DWG	PROJECT CODE RJMG		UNIT mm SCALE NA	SIZE A3 SHEET 3 OF 4	DWG No. RJMG212S2XX30XR	REV. AX4	

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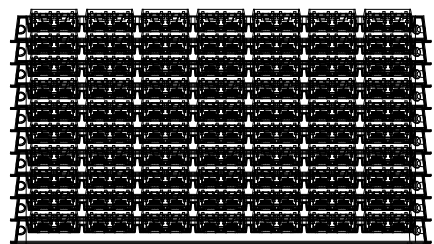
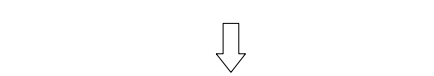
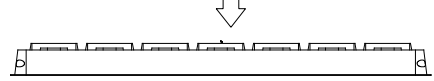
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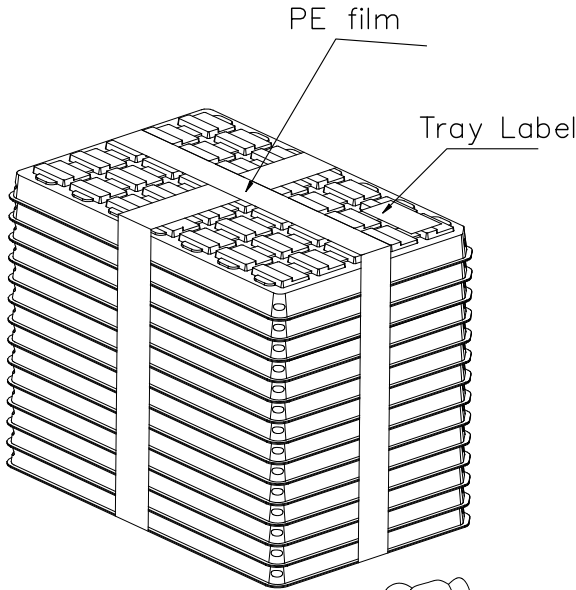
CUSTOMER DRAWING



Partial Enlarged Drawing



14trays/box

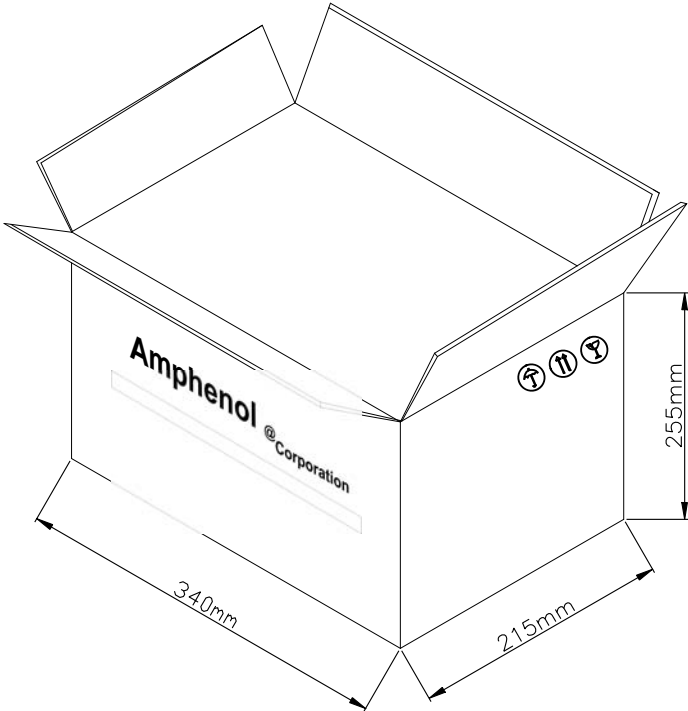


PE film

Tray Label



Waterproof bag

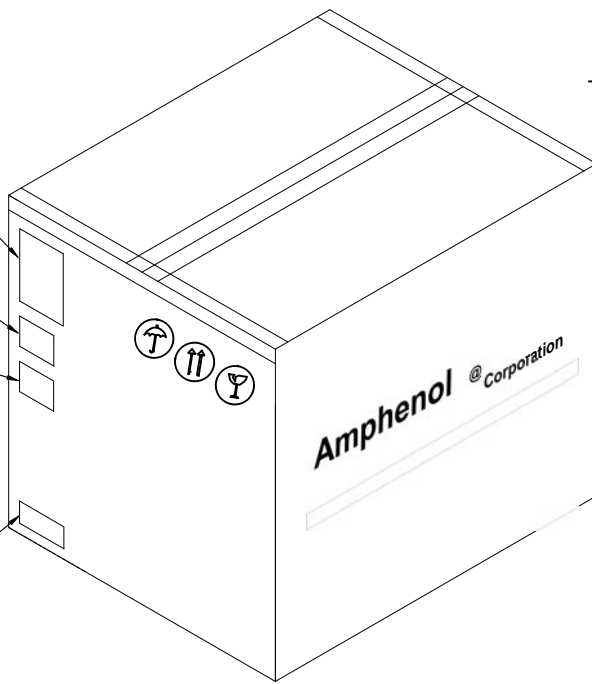


Carton Label
1PCS

PASS Label
1PCS

Mantissa Label
1PCS
(If The Packing
is Not Full)

Origin Label
1PCS



490 PCS/CARTON

pcs/tray	tray/Carton	pcs/Carton
35	14	490



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	DWG TYPE CUST DWG	PROJECT CODE RJMG		UNIT mm	SIZE A3	PART No. RJMG212S2XX30XR	REV. AX4
				SCALE NA	SHEET 4 OF 4	DWG No. RJMG212S2XX30XR	