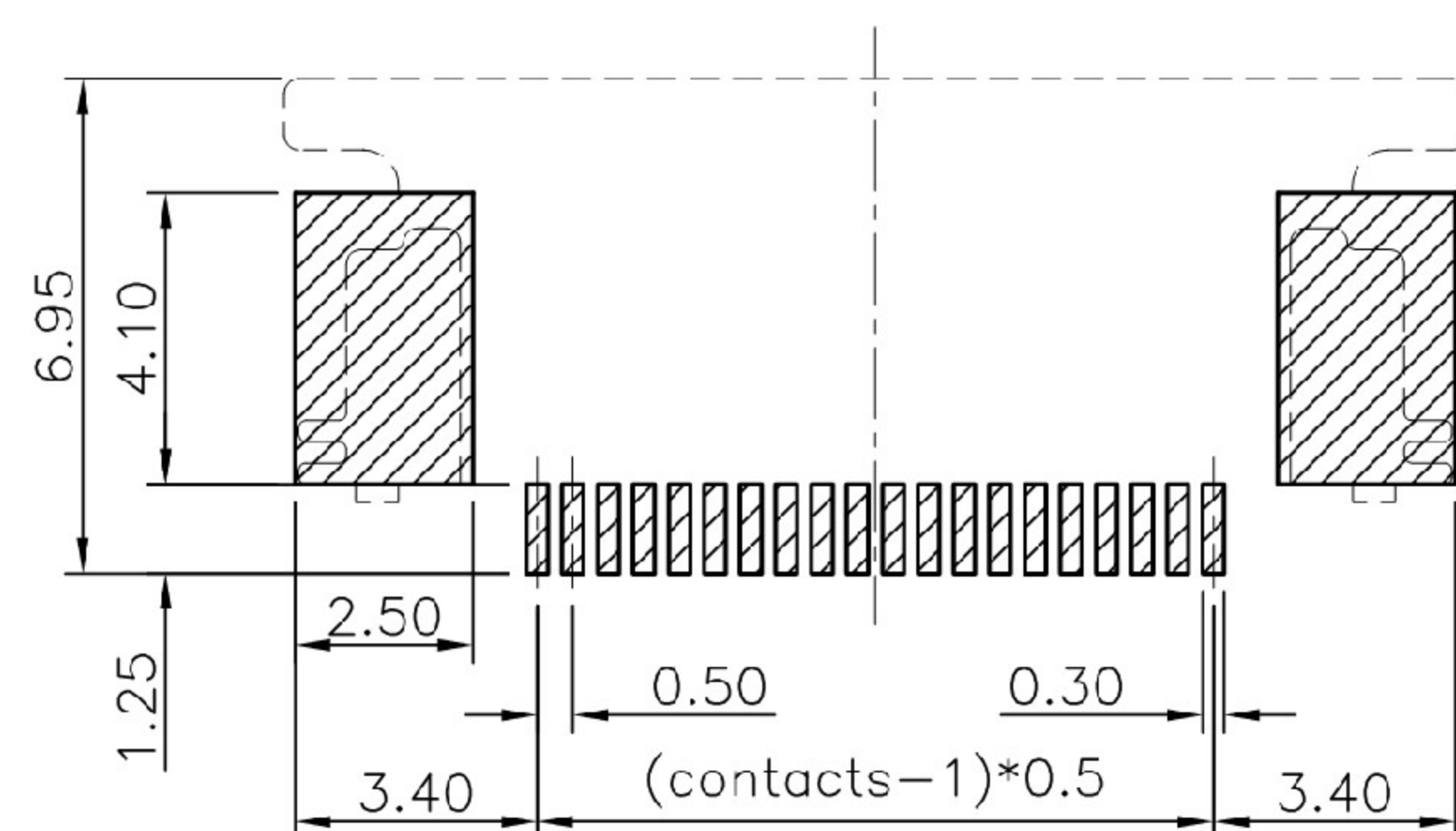
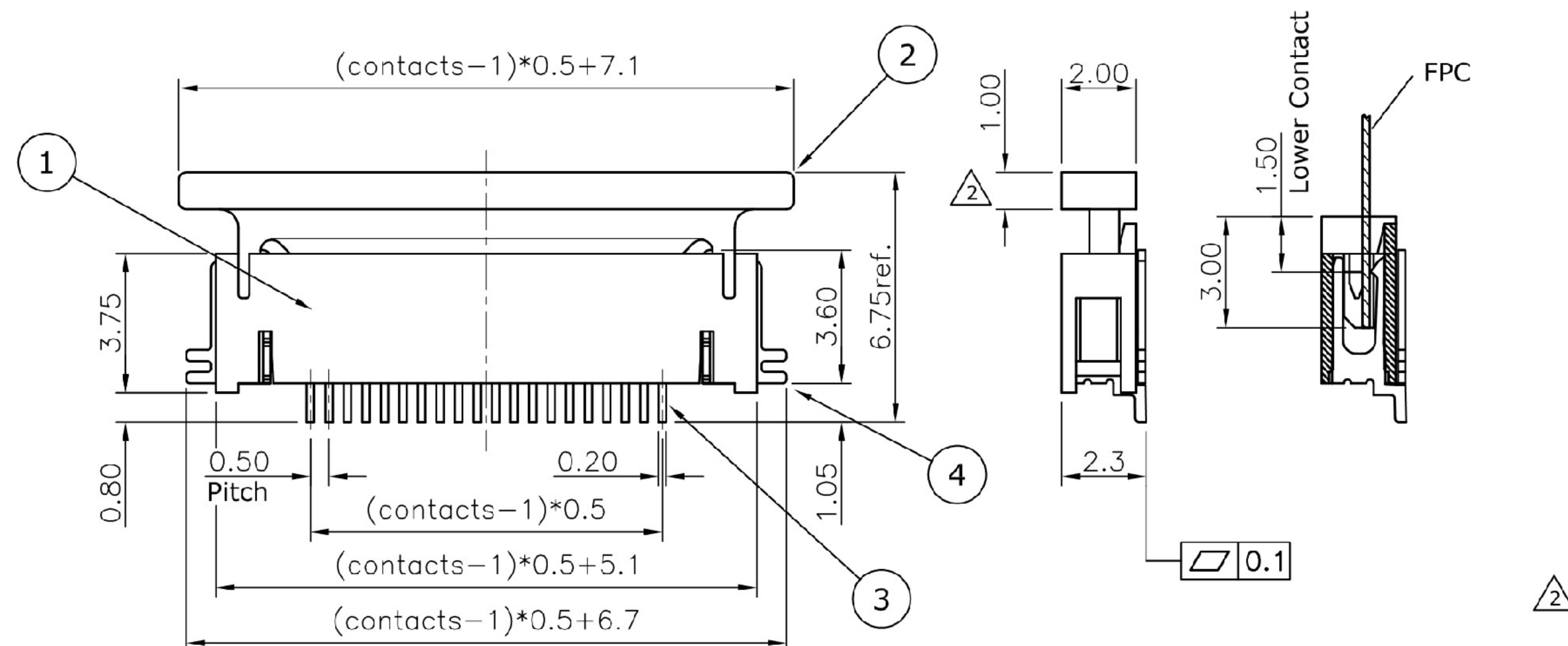
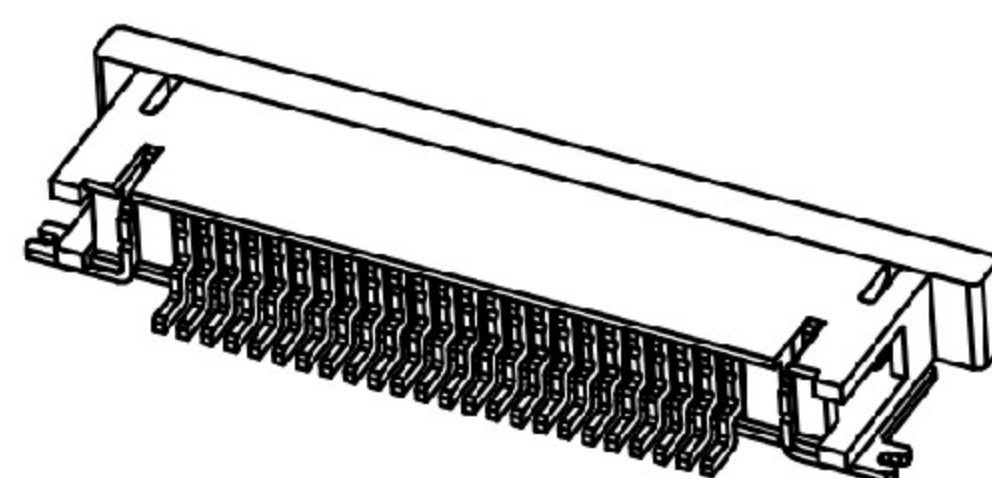
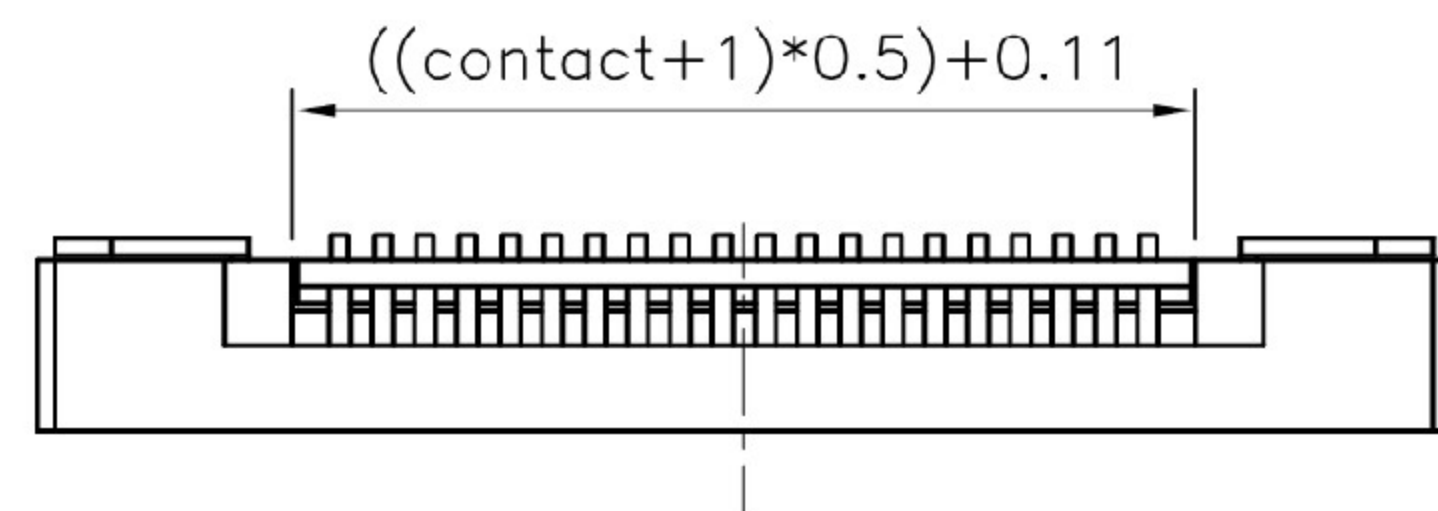
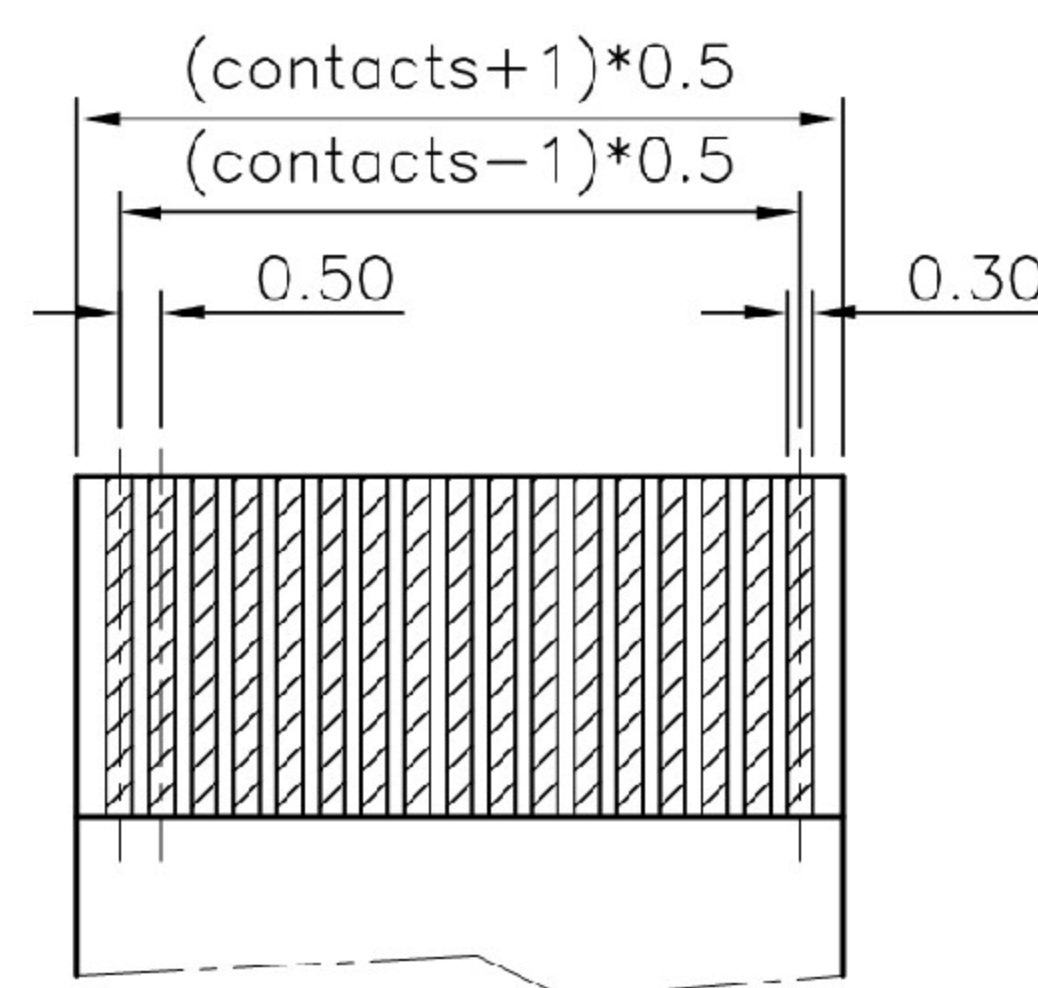




RECOMMENDED LAYOUT (TOP VIEW)
GENERAL TOLERANCE: $\pm 0.05\text{mm}$



FPC DIMENSION
THICKNESS 0.30mm

REV.	DESCRIPTION	DRAWN	DATE
1	INITIAL RELEASE	Willis	2012/08/03
2	new frame, corrected actuator form dims, removed page 2 dim. table, add "how to order" notes	Fros	2017/09/20

SPECIFICATION:

1. ELECTRICAL

- 1.1 Current Rating: 0.5A per pin
- 1.2 Voltage Rating: 50V DC/AC
- 1.3 Contact Resistance: 20mΩ
- 1.4 Insulation Resistance: 50MΩ
- 1.5 Dielectric Withstanding Voltage: 250VAC

2. MECHANICAL

- 2.1 Durability: 20 Cycle
- 2.2 FPC Retention Force: 0.3N per pin min.

3. ENVIRONMENTAL

- 3.1 Operating temperature range: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$
- 3.2 Storage temperature range: $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

4. SOLDER ABILITY

- 4.1 Recommended IR-Reflow Temperature: 260°C

How to order:

311A- XX L A A - R
1 2 3 4

- 1 pin count: xx= 04~68
(Please contact with sales for the pins count available)
- 2 contact type: L= lower contact
- 3 plating: A= Tin plating under Nickel
- 4 packing: A= tape and reel

4	HOLDDOWN	Brass, 100u" Tin over 50u" Nickel plating
3	CONTACT	Phosphor Bronze, 100u" Tin over 50u" Ni plating
2	ACTUATOR	PPS UL94V-0
1	HOUSING	PA-46 UL94V-0
NO.	PART NAME	DESCRIPTION

							DSND		SCALE: N/A	MODEL TYPE: FPC CONNECTOR				
				ANGLAR	±5°		DWN		VIEW: 	PART NO.:				
				L ≤ 4	±0.2		CHKD		UNIT: mm/in	XB-311A-XXLAA-R				
				4 < L ≤ 16	±0.3		APPD		SIZE: A4	DWG NO.:				
				16 < L ≤ 63	±0.4									
				L > 63	±0.5									
					DATE	REVISED	APPROVED							
REVISIONS						UNSPECIFIED TOLERANCES						WEIGHT	SHEET	REVISION
www.alpsr.com www.gdxjdz.com www.xbswitch.com									DONG GUAN XI BANG ELECTRONIC CO., LTD				1/1	A0

Technical drawing of a 21 PIN-60 PIN connector. The drawing includes a top view, a side view, and a cross-sectional view.

Top View Dimensions:

- Overall width: W
- Pin pitch (center-to-center): 12.00 ± 0.10
- Pin diameter: $\phi 1.55 \pm 0.05$
- Pin length (from top edge): 1.75 ± 0.10
- Pin length (from bottom edge): 4.00 ± 0.10
- Pin length (from center): 7.00
- Pin length (from center to bottom edge): 4.95
- Pin length (from center to bottom edge): 2.00
- Pin length (from center to bottom edge): 2.40
- Pin length (from center to bottom edge): 2.80

Side View Dimensions:

- Overall height: H
- Pin length (from top edge): 1.75 ± 0.10
- Pin length (from bottom edge): 4.00 ± 0.10

Cross-sectional View Dimensions:

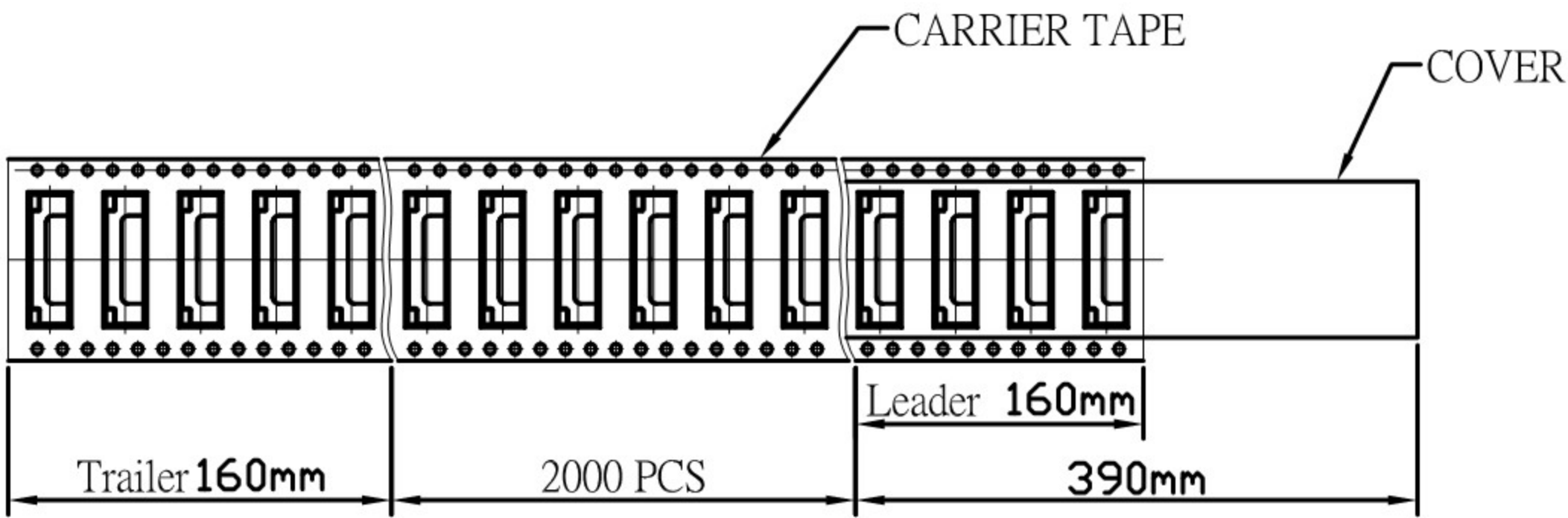
- Pin diameter: $\phi 1.55 \pm 0.05$
- Pin length (from top edge): 1.75 ± 0.10
- Pin length (from bottom edge): 4.00 ± 0.10
- Pin length (from center): 7.00
- Pin length (from center to bottom edge): 4.95
- Pin length (from center to bottom edge): 2.00
- Pin length (from center to bottom edge): 2.40
- Pin length (from center to bottom edge): 2.80

-

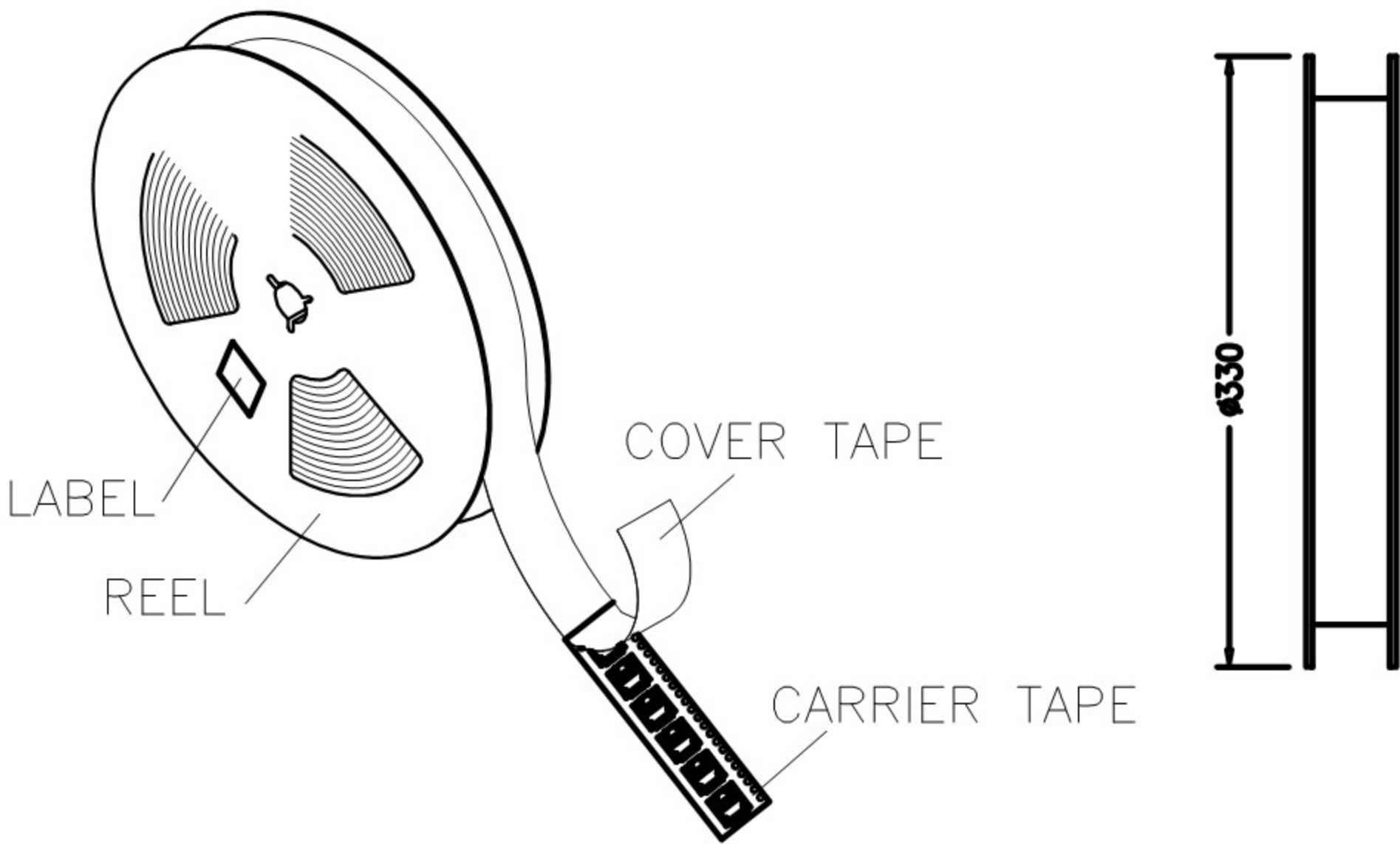
PIN= XX	03 — 04	05 — 20	21 — 30	31 — 50	51 — 60
W±0.30	16.00	24.00	32.00	44.00	56.50
H±0.10	7.50	11.50	14.20	20.20	26.20

						 Switch Connector	DSND		SCALE: N/A	MODEL TYPE: FPC CONNECTOR						
				ANGLAR	±5°		DWN		VIEW: 	PART NO.: XB-311A-XXLAA-R						
				L ≤ 4	±0.2		CHKD		UNIT: mm/in	DWG NO.:						
				4 < L ≤ 16	±0.3		APPD		SIZE: A4							
				16 < L ≤ 63	±0.4											
				L > 63	±0.5											
REVISIONS					UNSPECIFIED TOLERANCES		DONG GUAN XI BANG ELECTRONIC CO., LTD				WEIGHT	SHEET	REVISION			
www.alpsr.com www.gdxjdz.com www.xbswitch.com																
															1/1	A0

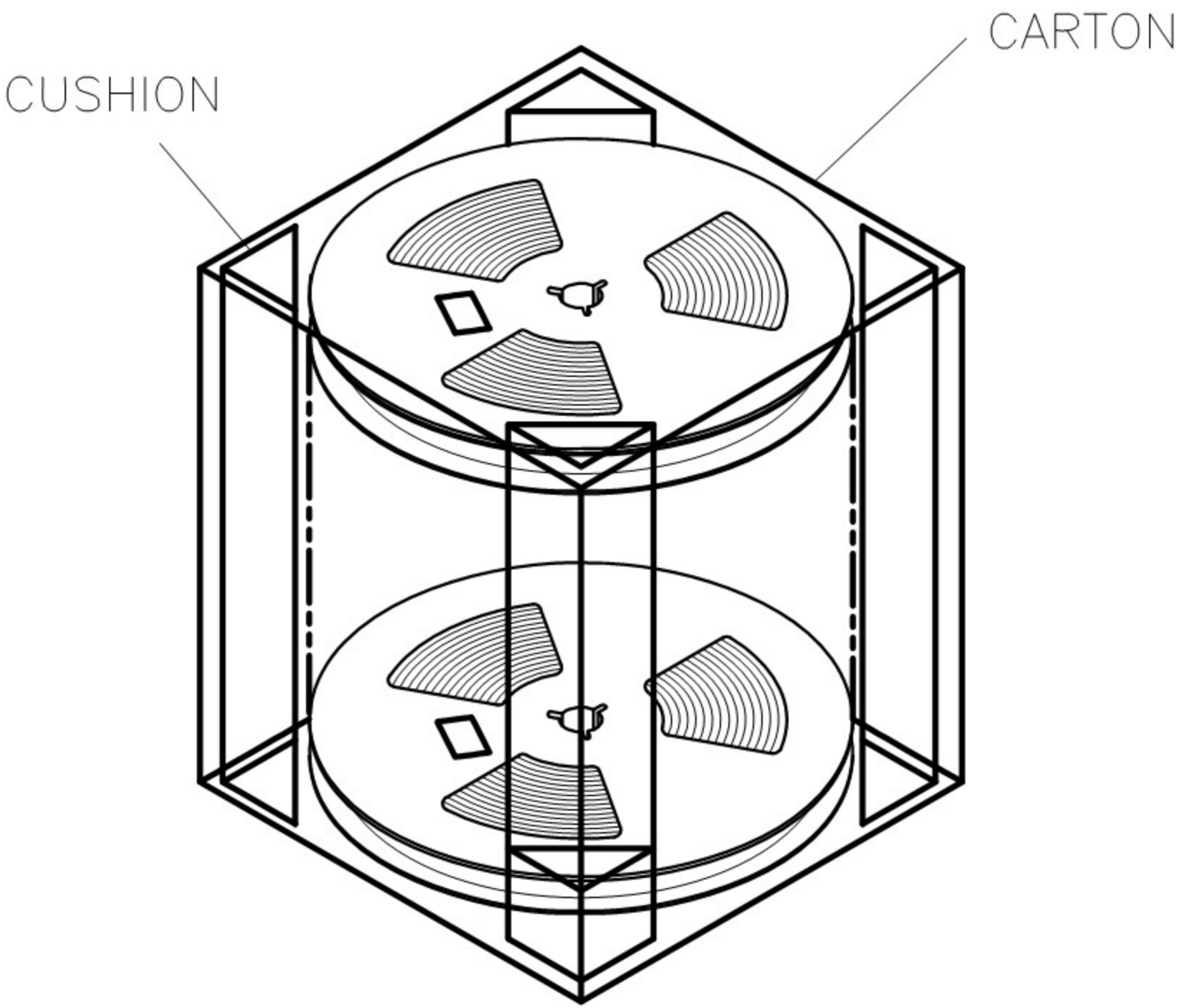
1-1. PUT PRODUCT IN COMPONENT AREA,FORMING OF PRODUCT IS THE SAME DIRECTION TO CARRIER TAPE..
1-2. SMT SURFACE TOWARDS TO THE BOTTOM.



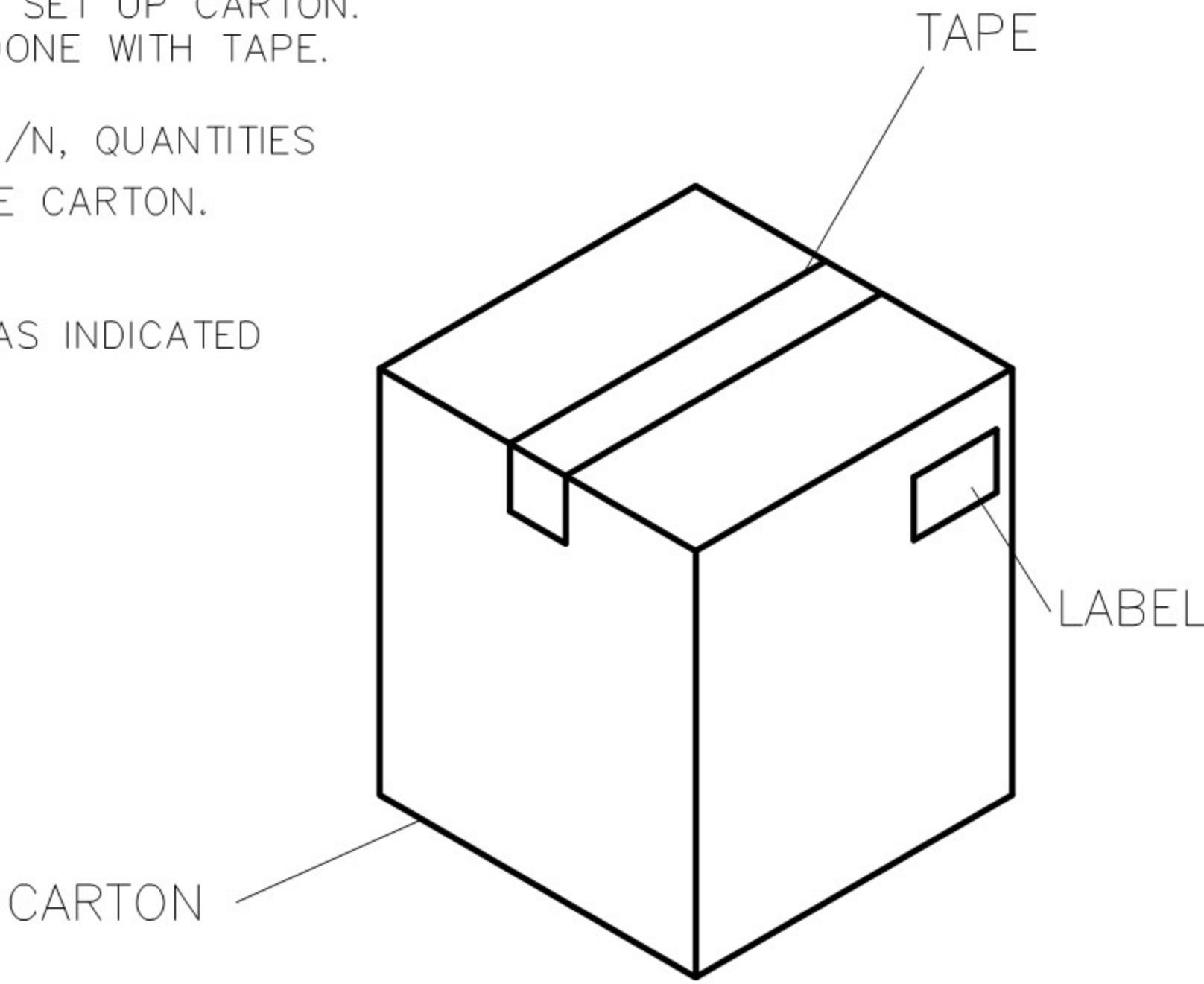
2-1. ADHERE OR HEAT COVER TAPE & CARRIER FOR SEALING. STICK END OF THE CARRIER ON THE HUB'S OPENING WITH TRANSPARENT TAPE.
2-2. LABLE MUST BE STICKED ON THE OUTSIDE OF THE REEL, NEARLY THE START POINT.
2-3 PARTS PER REL 2000PCS



3-1. REEL FACE WITH LABEL UP.
3-2. PUT CUSHION INTO 4 CORNERS OF BOX. AS INDICATED IN PACKING LIST.



4-1. CARTON DIMENSION : 350 X 350 X 340 mm
4-2. STAPLES SHOULD ONLY BE USED TO SET UP CARTON. ALL CARTONS CLOSURES MUST BE DONE WITH TAPE.
4-3. MUST STICK THE PRODUCT LABEL (P/N, QUANTITIES & DATE) ON THE LEFT SIDE OF THE CARTON.
4-4. FILL CARTON WITH THE QUANTITIES AS INDICATED IN PACKING LIST.



						 Switch Connector	DSND		SCALE: N/A	MODEL TYPE: FPC CONNECTOR				
				ANGLAR	±5°		DWN		VIEW: 	PART NO.: XB-311A-XXLAA-R				
				L ≤ 4	±0.2		CHKD		UNIT: mm/in	DWG NO.:				
				4 < L ≤ 16	±0.3		APPD		SIZE: A4					
				16 < L ≤ 63	±0.4									
				L > 63	±0.5									
				DATE	REVISED	APPROVED								
REVISIONS						UNSPECIFIED TOLERANCES			DONG GUAN XI BANG ELECTRONIC CO., LTD			WEIGHT	SHEET	REVISION
www.alpsr.com www.gdxjdz.com www.xbswitch.com													1/1	A0