

Halogen-free

REV.	ECR/ECN No.	DESCRIPTION	DRAWN/DATE	CHECKED/DATE	APPROVED/DATE
D	/	Added the datecode	May 2019-11-28	Rain 2019-11-28	Hongkui.Liu 2019-11-28
E	/	Add chamfering to the fixing plate to prevent spattering&Update the FFC/FPC dimension	May 2020-01-08	Rain 2020-01-08	Hongkui.Liu 2020-01-08
F	/	Increase SPC control dimension	May 2020-03-24	Rain 2020-03-24	Hongkui.Liu 2020-03-24

NO.	COMPONENTS	MATERIALS	FINISH/COLOR SPECIFICATION	QTY
1	HOUSING	LCP,UL94V-0	BLACK	1
2	ACTUATOR	PA9T,UL94V-0	BLACK	1
3	TERMINAL	PHOSPHOR BRONZE T=0.15mm	CONTACT AREA: 2.0~7.6μm Ni/0.10μm Min. Au SOLDER TAIL: 2.0~7.6μm Ni/0.076~0.2μm Au	42
4	STATOR	BRASS,C2680-H T=0.20mm	SOLDER TAIL: 2.0~7.6μm Ni/0.076~0.2μm Au	2

NOTES: ④

1. ALL MATERIAL MUST BE COMPLIED WITH RoHS AND HARMFUL MATERIAL MUST BE COMPLIED WITH HAWEI REQUIREMENTS

2. "★" IS IMPORTANT CONTROL DIMENSION AND HUAWEI INCOMING INSPECTION DIMENSION

"▽" IS IMPORTANT CONTROL DIMENSION AND THIS DIMENSION'S CPK ≥ 1.33

"△" IS IMPORTANT CONTROL DIMENSION AND THIS DIMENSION'S 100% CHECK ON THE LINE

④ "△" IS IMPORTANT CONTROL DIMENSION AND THIS DIMENSION MUST BE CONTROLLED BY SPC

3. ELECTRICAL REQUIREMENTS:

(1) VOLTAGE RATING: AC/DC 60V

(2) CURRENT RATING: 0.5A

(3) CONTACT RESISTANCE: 50mΩ MAX.

(4) INSULATION RESISTANCE: 1000MΩ MIN. 250V DC FOR 1 MINUTE.

(5) WITHSTANDING VOLTAGE: NO VOLTAGE BREAKDOWN.

250V AC FOR 1 MINUTE.

4. MECHANICAL REQUIREMENTS:

(1) FFC/FPC RETENTION FORCE: BEFORE DURABILITY 0.45N/PIN MIN.
AFTER DURABILITY 0.2N/PIN MIN.

(2) DURABILITY: 30 CYCLES.

5. ENVIRONMENT REQUIREMENTS:

(1) STORAGE TEMPERATURE: -40°C ~ +85°C

(2) STORAGE TIME: 18 Months

(3) OPERATING TEMPERATURE: -40°C ~ +85°C

(4) SALT SPRAY TEST: CONCENTRATION 5±1% AT A TEMPERATURE OF 35±2°C FOR 48 HOURS.

(5) REFLOW CONDITION: PEAK TEMPERATURE 260°C MAX. 255°C MIN.

6. DATE CODE DESCRIPTION:

UPDATE CODE SYNCHRONOUSLY WITH PRODUCTION DATE

EXAMPLE: 19112001 MEANS Volume 1 products produced on November 20, 2019

7. CCD check and measure

(1) CCD detects the contact of pitch 0.50±0.08mm of inner groove this detected dimension can cover the true position 0.10 mm

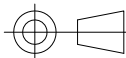
(2) CCD detects the welding foot of pitch 0.50±0.05mm

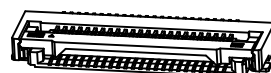
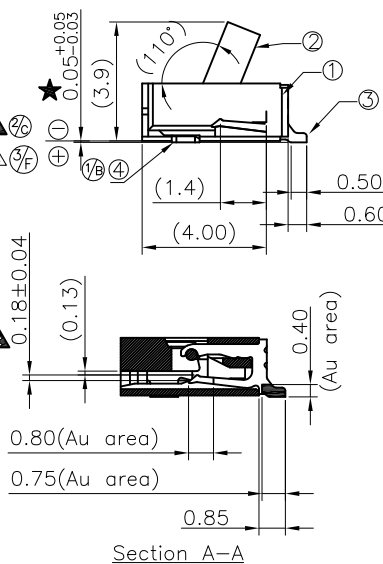
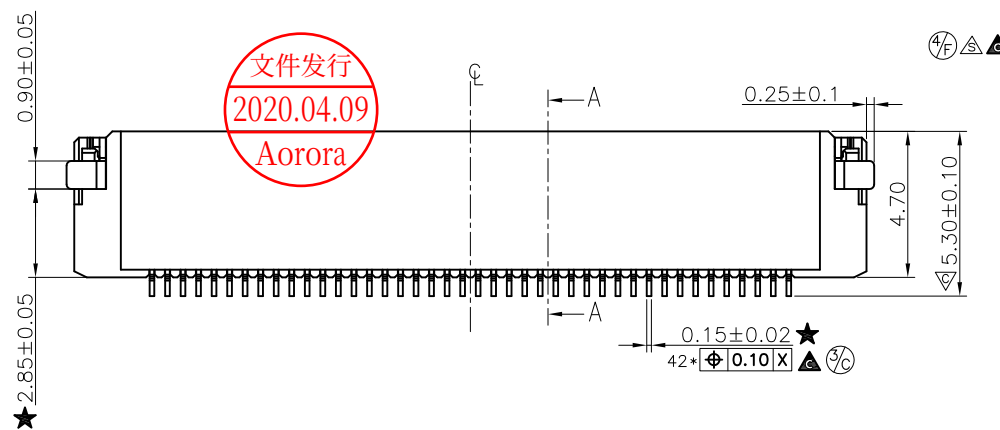
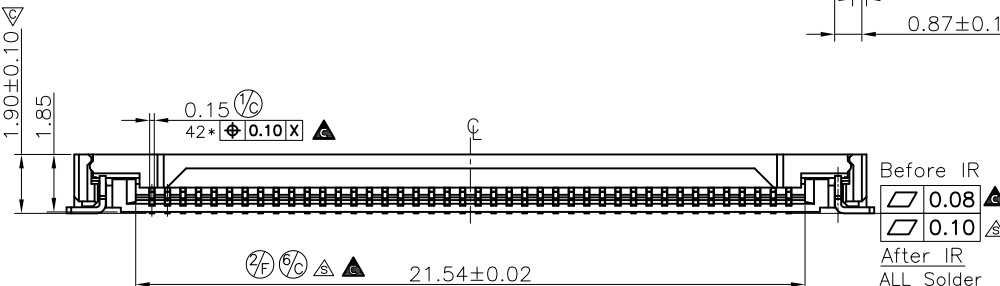
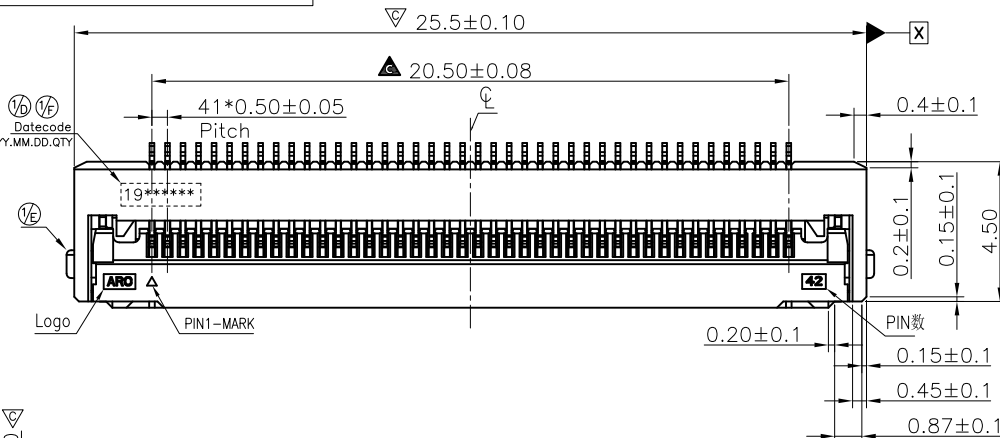
this detected dimension can cover the true position 0.10 mm

8. PART NO. LEGEND:

F320-1B7H1-110**-E200

— NO. OF POS

UNLESS OTHERWISE SPECIFIED TOLERANCES				ANGLE OF PROJECTION		 Amphenol Aorora Technology (Huizhou) Co.,Ltd			
0~6	±0.05	X. *	± 1'						
6~15	±0.08	X.X *	± 4'						
15~30	±0.10	X.XX *	± 3'	DOC TYP Customer Drw					
30~60	±0.15	X.XXX *	± 2'						
LINEAR DIMS		ANGLES DIMS		DRAWN DATE May 2019-05-16		TITLE: Assembly Drawing For 0.50mm pitch With lock , front side filp H1.9mm			
DWG NO.: A-S0535				DESIGN DATE May 2019-05-16					
MATERIAL		SEE NOTES		CHECKED DATE Rain 2019-05-16		SIZE A4	PART NUMBER: F320-1B7H1-11042-E200		REV. F
FINISHED		SEE NOTES		APPROVED DATE Hongkui.Liu 2019-05-16		SCALE 4:1		UNIT : mm	SHEET 1 OF 3



3d view.

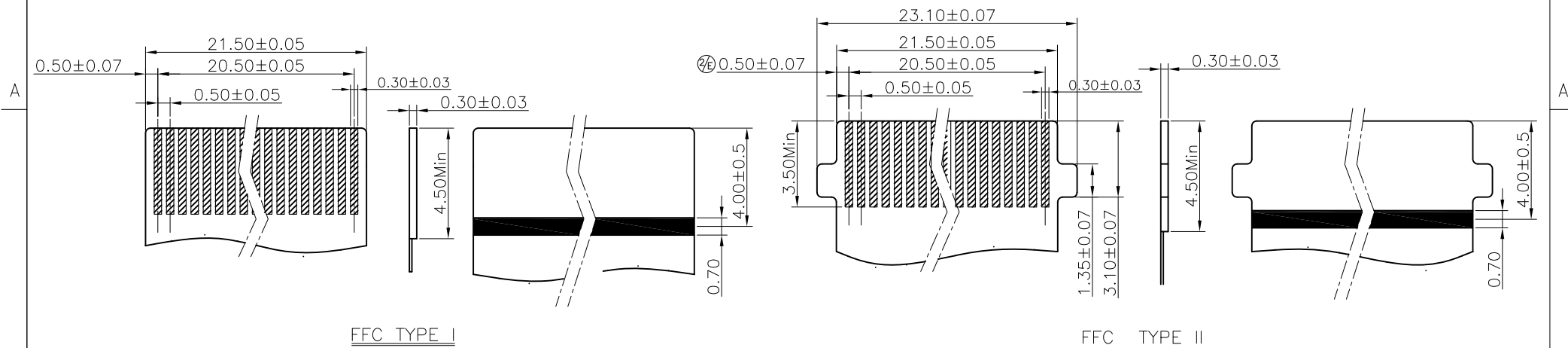
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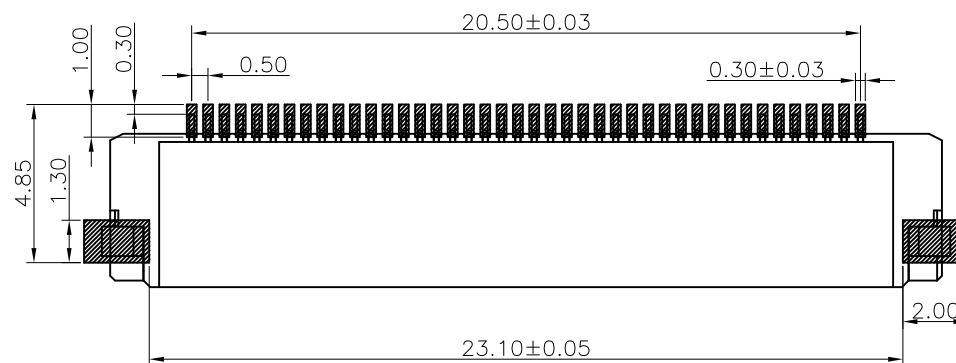
Amphenol
AORORA

Halogen-free

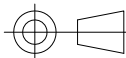
1. FFC PATTERN DIMENSION



2. P.C.B LAYOUT,TOL:±0.05



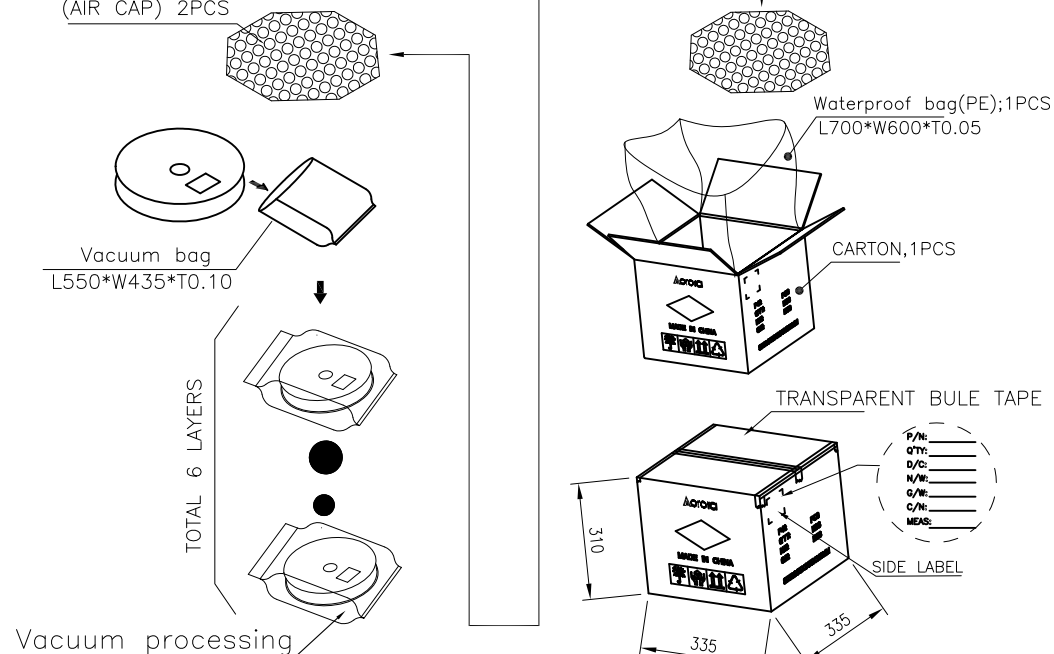
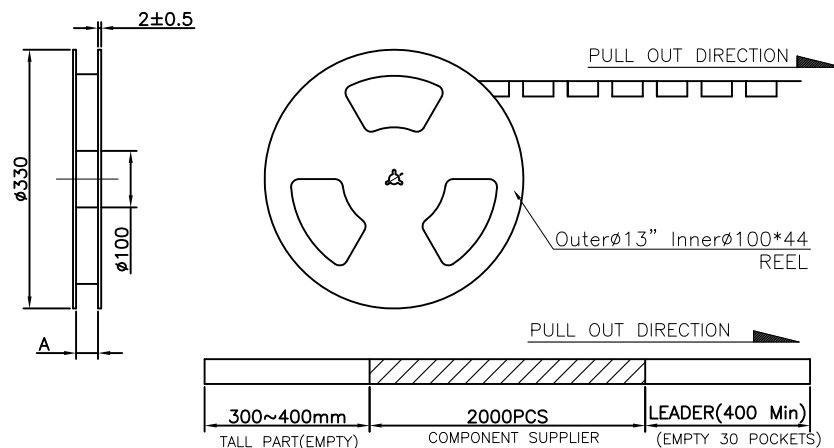
RECOMMEND PCB LAYOUT;TOL:±0.05

UNLESS OTHERWISE SPECIFIED TOLERANCES				ANGLE OF PROJECTION		 Amphenol AORORA				
0~6	±0.05	X. °	± 1'		Amphenol Aorora Technology (Huizhou) Co.,Ltd					
6~15	±0.08	X.X °	± 4'							
15~30	±0.10	X.XX °	± 3'							
30~60	±0.15	X.XXX °	± 2'							
LINEAR DIMS		ANGLES DIMS								
DWG NO.: A-S0535				DOC TYP Customer Drw		TITLE: Assembly Drawing For 0.50mm pitch With lock , front side filp H1.9mm				
MATERIAL		SEE NOTES		DRAWN	DATE	May	2019-05-16	SIZE	PART NUMBER:	REV.
FINISHED		SEE NOTES		DESIGN	DATE	May	2019-05-16	A4	F320-1B7H1-11042-E200	F
				CHECKED	DATE	Rain	2019-05-16			
				APPROVED	DATE	Hongkui.Liu	2019-05-16	SCALE 4:1 UNIT : mm SHEET 2 OF 3		

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ANGLE: 165°~180°; PEELING SPEED: 300mm/minutes.



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