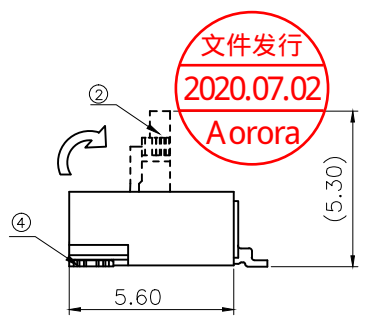
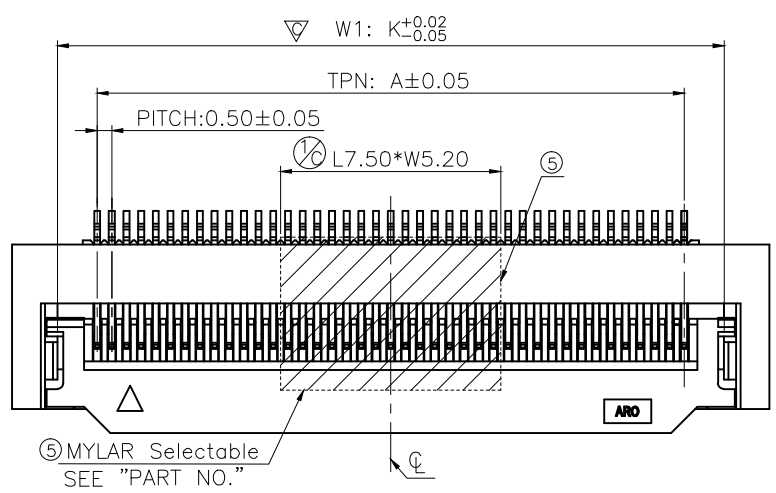


REV.	ECR/ECN No.	DESCRIPTION	DRAWN/DATE	CHECKED/DATE	APPROVED/DATE
E	/	Improve the FPC/FPC retention force and modified the shape of contact head	May 2016-04-13	Rain 2016-04-13	Leo 2016-04-13
F	/	Upgraded the part number as per customer requested	May 2016-05-13	Rain 2016-05-13	Leo 2016-05-13
G	/	Expanded the available positions	May 2017-03-27	Rain 2017-03-27	Leo 2017-03-27
H	/	Update the drawing frame	Shuhong Chen 2020-06-29	Rain 2020-06-29	Leo 2020-06-29



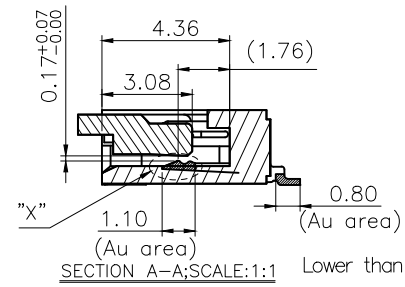
When Actuator is opened
SCALE 1:1

SPECIFICATION

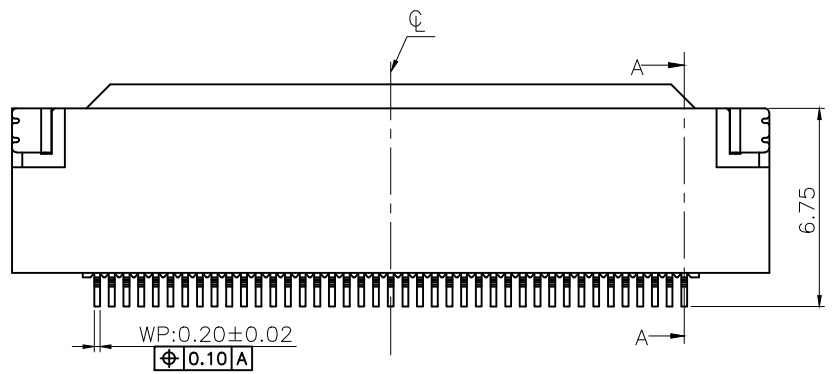
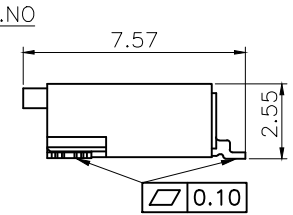
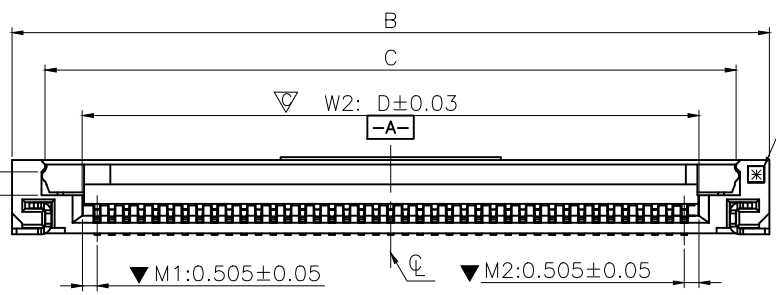
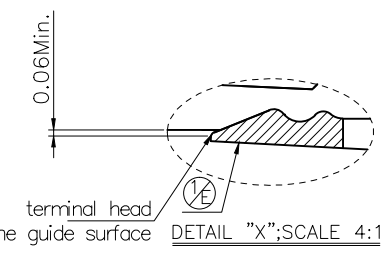
- CONTACT RESISTANCE : 30mΩ MAX.;
- DIELECTRIC WITHSTANDING VOLTAGE; 500V AC R.M.S. FOR 1 MINUTE;
- INSULATION RESISTANCE : 500MΩ MIN;
- "▼" IS IMPORTANT DIMENSION;
- "▽" NOTATION FOR CPK AND X-R TEST SIZE
- ALL MATERIAL MUST BE COMPLY WITH SS-00259 OR RoHS.
- PART NO.:

F31L-1*7*1-110**(WITH MYLAR)
F31L-1*7*1-110**-E*20(Upgraded PN) 1:WITH MYLAR 2:WITHOUT MYLAR

1A:LCP Natural 1B:LCP Black
NO. OF POSITIONS
7H:PHOSPHOR BRONZE 0.05um MIN Au(Au Area)
7A:PHOSPHOR BRONZE MATTER TIN



SECTION A-A;SCALE:1:1 Lower than the guide surface



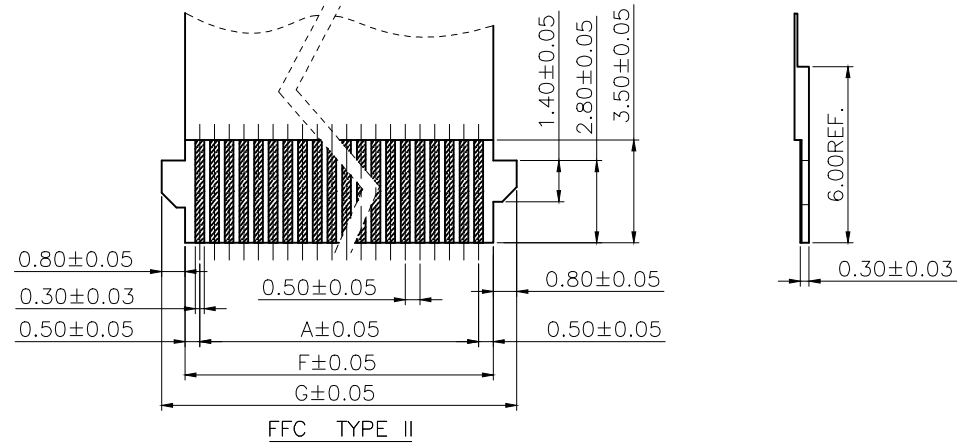
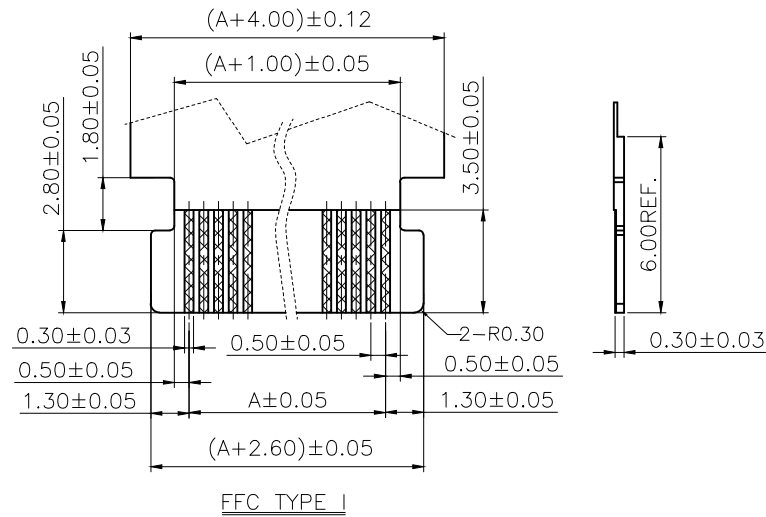
NO.	COMPONENTS	MATERIALS	FINISH/COLOR	SPECIFICATION	QTY
1	HOUSING	Liquid crystal polymer	Natural or Black(UL94V-0);		1
2	ACTUATOR	Polyamide 9T	black(UL94V-0);		1
3	CONTACT	Phosphor Bronze T=0.20mm	UNDER PLATING:1~3um Ni SURFACE SELECT PLATING:SEE PART NO.		N
4	ANCHOR-PLATE	Brass T=0.20mm	2~4um Tin PLATING 1~3um Ni UNDERPLATING		2
5	MYLAR	T=0.10mm THERMOSTABLE	YELLOW		1

UNLESS OTHERWISE SPECIFIED TOLERANCES		ANGLE OF PROJECTION		 Amphenol Aorora Technology (Huizhou) Co.,Ltd
X.	±0.30	X. '	± 5'	
X.X	±0.25	X.X '	± 4'	
X.XX	±0.20	X.XX '	± 3'	
X.XXX	±0.15	X.XXX '	± 2'	
LINEAR DIMS		ANGLES DIMS		DOC TYP Customer Drw
DWG NO.: A-S0083		DRAWN DATE Shuhong Chen 2020-06-29		TITLE: Assembly Drawing For 0.5mm pitch Front side filp, with lock,H2.55mm(41~69PIN)
MATERIAL SEE NOTES		DESIGN DATE Shuhong Chen 2020-06-29		SIZE PART NUMBER: F31L-1*7*1-110** F31L-1*7*1-110**-E*20
FINISHED SEE NOTES		CHECKED DATE Rain 2020-06-29		REV. H
		APPROVED DATE Leo 2020-06-29		SCALE 4:1 UNIT : mm SHEET 1 OF 3

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of AOR. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of AOR. © 2019 AOR

REV.	ECR/ECN No.	DESCRIPTION	DRAWN/DATE	CHECKED/DATE	APPROVED/DATE
E	/	Improve the FPC/FFC retention force and modified the shape of contact head	May 2016-04-13	Rain 2016-04-13	Leo 2016-04-13
F	/	Upgraded the part number as per customer requested	May 2016-05-13	Rain 2016-05-13	Leo 2016-05-13
G	/	Expanded the available positions	May 2017-03-27	Rain 2017-03-27	Leo 2017-03-27
H	/	Update the drawing frame	Shuhong Chen 2020-06-29	Rain 2020-06-29	Leo 2020-06-29

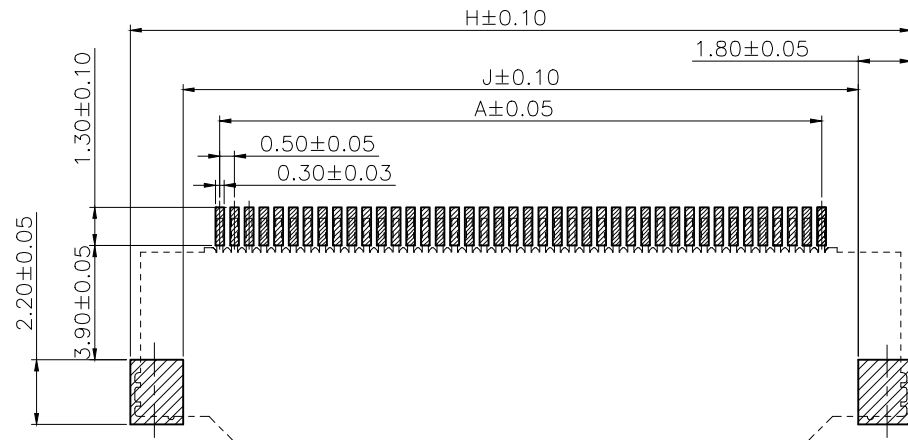
1. FFC PATTERN DIMENSION



DIMENSION LIST:

NO. OF POS	A	B	C	D	F	G	H	J	K	NO. OF POS	A	B	C	D	F	G	H	J	K
41	20.0	25.8	23.54	21.01	21.0	22.6	26.1	22.5	22.72	56	27.5	33.3	31.04	28.51	28.5	30.1	33.6	30.0	30.22
42	20.5	26.3	24.04	21.51	21.5	23.1	26.6	23.0	23.22	57	28.0	33.8	31.54	29.01	29.0	30.6	34.1	30.5	30.72
43	21.0	26.8	24.54	22.01	22.0	23.6	27.1	23.5	23.72	58	28.5	34.3	32.04	29.51	29.5	31.1	34.6	31.0	31.22
44	21.5	27.3	25.04	22.51	22.5	24.1	27.6	24.0	24.22	59	29.0	34.8	32.54	30.01	30.0	31.6	35.1	31.5	31.72
45	22.0	27.8	25.54	23.01	23.0	24.6	28.1	24.5	24.72	60	29.5	35.3	33.04	30.51	30.5	32.1	35.6	32.0	32.22
46	22.5	28.3	26.04	23.51	23.5	25.1	28.6	25.0	25.22	61	30.0	35.8	33.54	31.01	31.0	32.6	36.1	32.5	32.72
47	23.0	28.8	26.54	24.01	24.0	25.6	29.1	25.5	25.72	62	30.5	36.3	34.04	31.51	31.5	33.1	36.6	33.0	33.22
48	23.5	29.3	27.04	24.51	24.5	26.1	29.6	26.0	26.22	63	31.0	36.8	34.54	32.01	32.0	33.6	37.1	33.5	33.72
49	24.0	29.8	27.54	25.01	25.0	26.6	30.1	26.5	26.72	64	31.5	37.3	35.04	32.51	32.5	34.1	37.6	34.0	34.22
50	24.5	30.3	28.04	25.51	25.5	27.1	30.6	27.0	27.22	65	32.0	37.8	35.54	33.01	33.0	34.6	38.1	34.5	34.72
51	25.0	30.8	28.54	26.01	26.0	27.6	31.1	27.5	27.72	66	32.5	38.3	36.04	33.51	33.5	35.1	38.6	35.0	35.22
52	25.5	31.3	29.04	26.51	26.5	28.1	31.6	28.0	28.22	67	33.0	38.8	36.54	34.01	34.0	35.6	39.1	35.5	35.72
53	26.0	31.8	29.54	27.01	27.0	28.6	32.1	28.5	28.72	68	33.5	39.3	37.04	34.51	34.5	36.1	39.6	36.0	36.22
54	26.5	32.3	30.04	27.51	27.5	29.1	32.6	29.0	29.22	69	34.0	39.8	37.54	35.01	35.0	36.6	40.1	36.5	36.72
55	27.0	32.8	30.54	28.01	28.0	29.6	33.1	29.5	29.72										

2. P.C.B LAYOUT, TOL: ±0.05

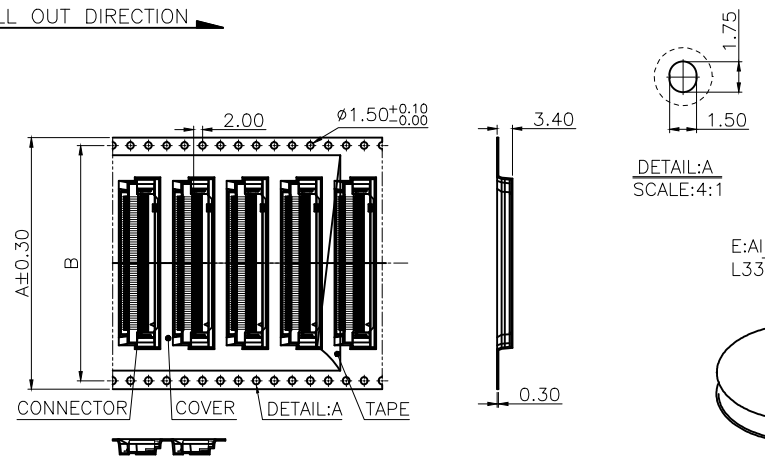


RECOMMENDED P.C.BOARD PATTERN DIMENSION(REF.)
COMPONENT SIDE

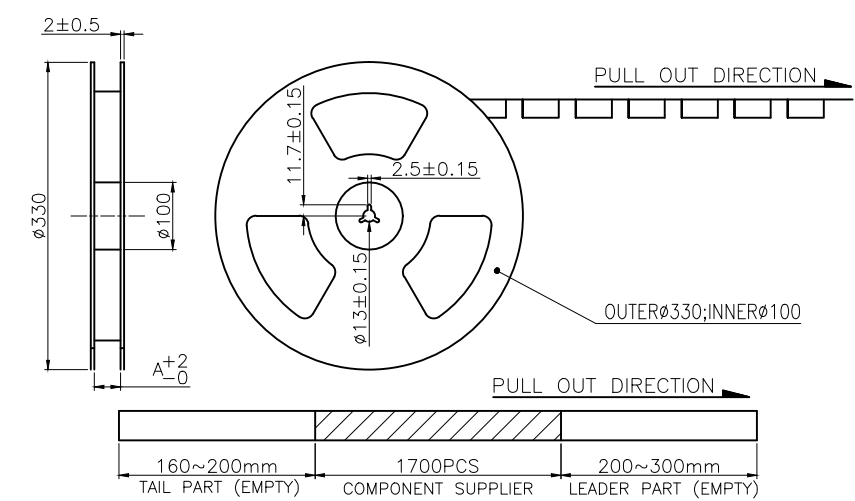
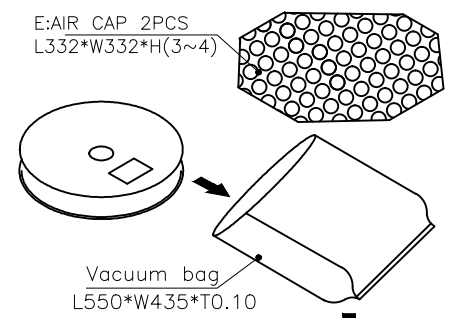
UNLESS OTHERWISE SPECIFIED TOLERANCES				ANGLE OF PROJECTION		Amphenol AORORA	
X.	±0.30	X. '	± 5'			Amphenol Aorora Technology (Huizhou) Co.,Ltd	
X.X	±0.25	X.X '	± 4'				
X.XX	±0.20	X.XX '	± 3'	DOC TYP Customer Drw		TITLE: Assembly Drawing For 0.5mm pitch Front side filp, with lock,H2.55mm(41~69PIN)	
X.XXX	±0.15	X.XXX '	± 2'				
LINEAR DIMS		ANGLES DIMS		DRAWN	DATE	DRAWN	
DWG NO.: A-S0083				DATE	DATE	DATE	
MATERIAL		SEE NOTES		DESIGN	DATE	DESIGN	
FINISHED		SEE NOTES		DATE	DATE	DATE	
				APPROVED	DATE	APPROVED	
				DATE	DATE	DATE	

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of AOR. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of AOR. © 2019 AOR

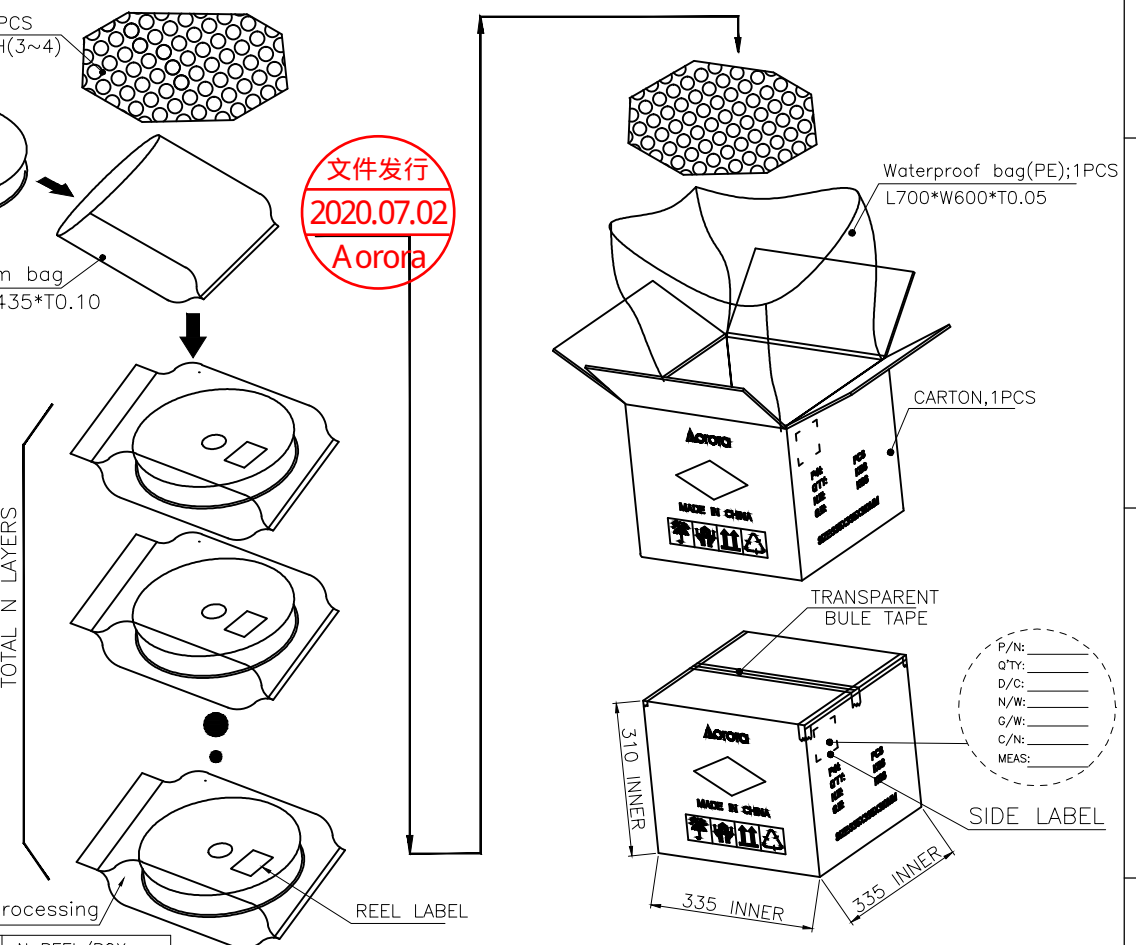
PULL OUT DIRECTION



REV.	ECR/ECN No.	DESCRIPTION	DRAWN/DATE	CHECKED/DATE	APPROVED/DATE
E	/	Improve the FPC/FPC retention force and modified the shape of contact head	May 2016-04-13	Rain 2016-04-13	Leo 2016-04-13
F	/	Upgraded the part number as per customer requested	May 2016-05-13	Rain 2016-05-13	Leo 2016-05-13
G	/	Expanded the available positions	May 2017-03-27	Rain 2017-03-27	Leo 2017-03-27
H	/	Update the drawing frame	Shuhong Chen 2020-06-29	Rain 2020-06-29	Leo 2020-06-29



TOTAL N LAYERS



NOTES:

- MATERIAL:
 - CARRY TAPE: PS, T=0.30±0.05mm, CLEAR
 - REEL: HIPS; 1.3 SHIM: PE, CLEAR.
- PRIMARY PACKING: SEE TABLE.
- SECONDARY PACKING: SEE PACKING LIST
- PEELING RESISTANCE: 0.1~0.7N(10~70gf); PEELING ANGLE: 165°~180°; PEELING SPEED: 300mm/minutes.
- PART NO. LEGEND: F31L-1*7*1-110**--E*0

6. QTY. LIST:

NO. OF POS	A	B	PCS/ REEL	N REEL/BOX (TOL:PCS)
41~50 PIN	44.0	40.40	1700	6REEL(10200PCS)
51~69 PIN	56.0	52.40	1700	5REEL(8500PCS)

F31L-1*7*1-110**--E*0

1A: LCP NATURAL
1B: LCP BLACK

NO. OF POSITIONS
7H: PHOSPHOR BRONZE 0.05um MIN Au(Au Area)
7A: PHOSPHOR BRONZE MATTER TIN

UNLESS OTHERWISE SPECIFIED TOLERANCES			ANGLE OF PROJECTION		 Amphenol Aorora Technology (Huizhou) Co.,Ltd
X.	±0.30	X. '	± 5'		
X.X	±0.25	X.X '	± 4'		
X.XX	±0.20	X.XX '	± 3'	DOC TYP Customer Drw	
X.XXX	±0.15	X.XXX '	± 2'	DRAWN DATE Shuhong Chen 2020-06-29	
LINEAR DIMS		ANGLES DIMS		DESIGN DATE Shuhong Chen 2020-06-29	
DWG NO.: A-S0083					
MATERIAL		SEE NOTES		CHECKED DATE Rain 2020-06-29	
FINISHED		SEE NOTES		APPROVED DATE Leo 2020-06-29	
TITLE: Assembly Drawing For 0.5mm pitch Front side filp, with lock,H2.55mm(41~69PIN)			SIZE A4	PART NUMBER: F31L-1*7*1-110** F31L-1*7*1-110**--E*20	REV. H
SCALE	1:1	UNIT : mm	SHEET 3	OF 3	

This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of AOR. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of AOR. © 2019 AOR