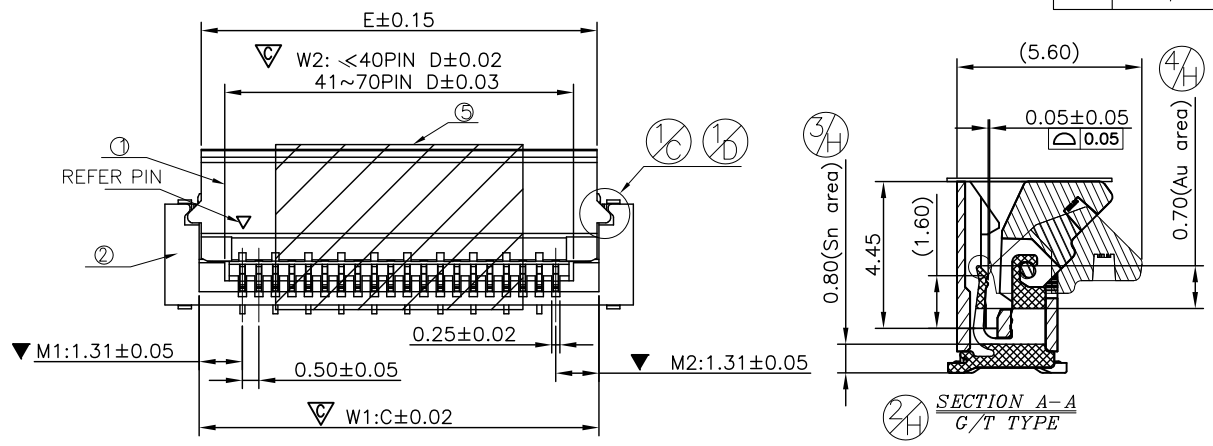


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REV.	ECR/ECN No.	DESCRIPTION	DRAWN/DATE	CHECKED/DATE	APPROVED/DATE
H	/	Add plating specification	May 2019-01-07	Rain 2019-01-07	Xiaohong.zhu 2019-01-07



NO.	COMPONENTS	MATERIALS	SPECIFICATION:FINISH/COLOR	QTY.
1	SLIDER	GLASS FILLED LCP, UL94V-0	BLACK	1
2	HOUSING	GLASS FILLED LCP, UL94V-0	NATURE	1
3	ANCHOR-PLATE	BRASS, T=0.40±0.01mm	ALL OVER 2um MIN. MATTE TIN UNDERPLATING:1um NICKEL MIN.	2
4	CONTACT	PHOSPHOR BRONZE, T=0.15±0.01mm	CONTACT AREA SEE "NOTE" AND FOOT UNDERPLATING:1um NICKEL MIN.	N
5	MYLAR	L7.50*W5.00*H0.10	BROWN	1

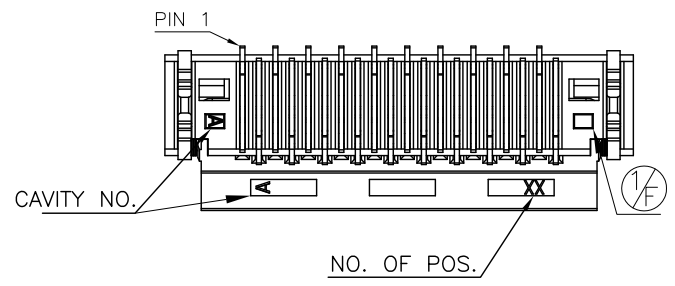
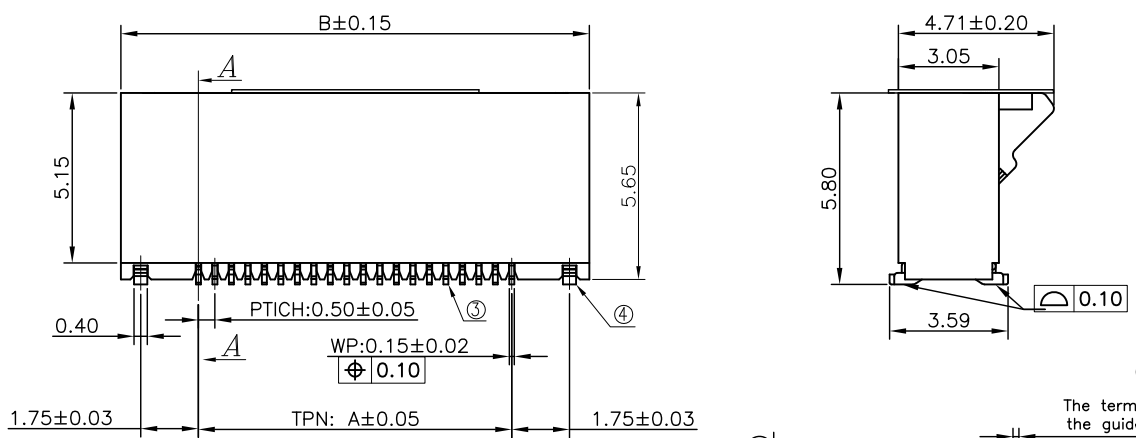
NOTE:

- MATERIAL:**
HOUSING:LCP.NATURAL.UL94V-0.
COVER:LCP.BLACK.UL94-0.
CONTACT:PHOSPHOR BRONZE;T=0.15mm.
STATOR:BRASS;T=0.40mm.
- PLATING:**
CONTACT:SEE "PART NO. LEGEND"
FOOT UNDERPLATING:1um NICKEL MIN.
STATOR:ALL OVER 2um MIN. MATTE TIN UNDERPLATING:1um NICKEL MIN.
- COMPLIANT TO RoHS DIRECTIVE**
2002/95/EC AND SONY SS-00259.
- "▽" MARK IS CPK AND X-R DIMENSION
- "▼" MARK IS IMPORTANT DIMENSIONS

4.PART NO. LEGEND:

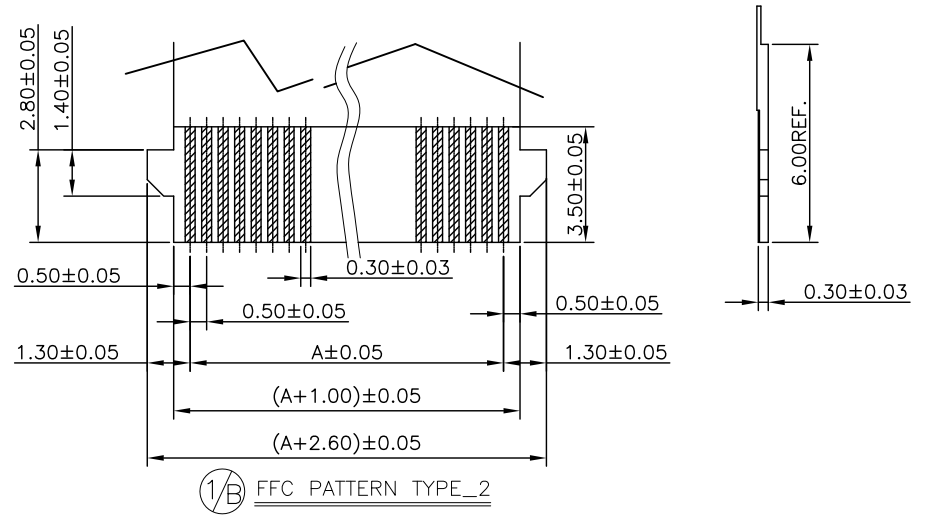
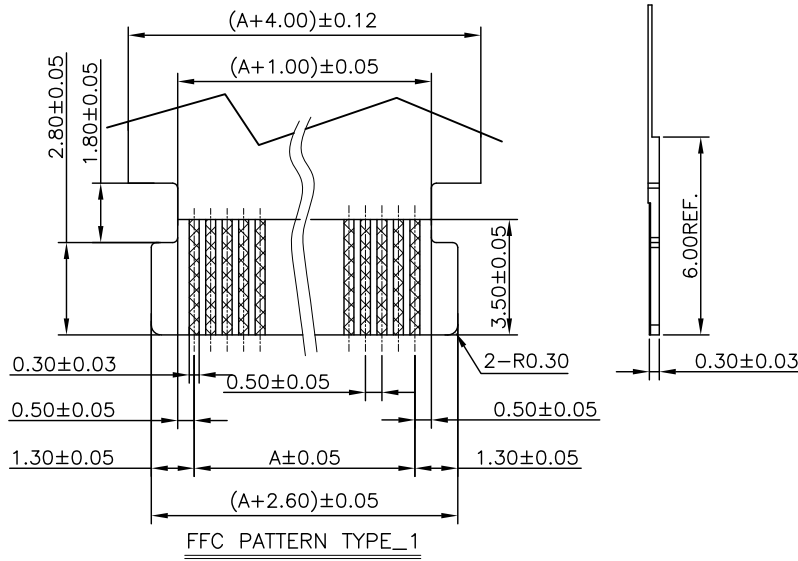
F31S-1A7*1-110**

- NO. OF POSITIONS
- 7H:PHOSPHOR BRONZE 0.075um MIN Au(Au Area)
- 7L:PHOSPHOR BRONZE G/T(Contact area 0.05um Au MIN.; Solder area 2um Sn MIN.)

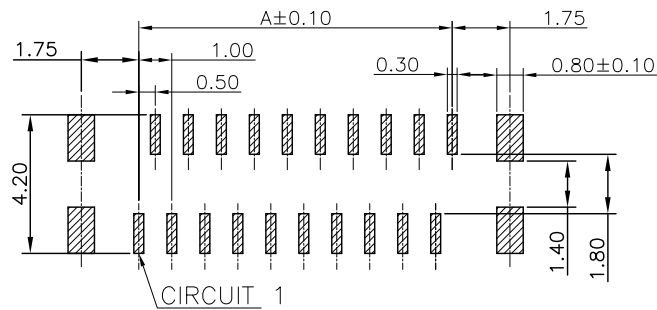


UNLESS OTHERWISE SPECIFIED TOLERANCES		ANGLE OF PROJECTION		Amphenol AORORA Amphenol Aorora Technology (Huizhou) Co.,Ltd	
X.	±0.30	X. '	± 5'	TITLE: Assembly Drawing For 0.5 PITCH FPC CONN. ZIF SMT TYPE STRAIGHT	
X.X	±0.25	X.X '	± 4'		
X.XX	±0.20	X.XX '	± 3'	PART NUMBER: F31S-1A7*1-110**	
X.XXX	±0.15	X.XXX '	± 2'		
LINEAR DIMS		ANGLES DIMS		REV. H	
DWG NO.: A-S0127		MATERIAL SEE NOTES			
FINISHED SEE NOTES		APPROVED DATE		SCALE 1:1 UNIT: mm SHEET 1 OF 3	
MATERIAL SEE NOTES		APPROVED DATE			

1. FFC PATTERN DIMENSION



2. P.C.B LAYOUT, TOL: ± 0.05



DIMENSION LIST:

NO. OF POS.	A	B	①C	②D	③E
10	4.50	9.20	7.12	5.60	7.04
20	9.50	14.20	12.12	10.60	12.04
30	14.50	19.20	17.12	15.60	17.04
40	19.50	24.20	22.12	20.60	22.04
50	24.50	29.20	27.12	25.60	27.04
60	29.50	34.20	32.12	30.60	32.04
70	34.50	39.20	37.12	35.60	37.00

UNLESS OTHERWISE SPECIFIED TOLERANCES			ANGLE OF PROJECTION		Amphenol AORORA	
X.	± 0.30	X. °	$\pm 5'$			Amphenol Aorora Technology (Huizhou) Co.,Ltd TITLE: Assembly Drawing For 0.5 PITCH FPC CONN. ZIF SMT TYPE STRAIGHT
X.X	± 0.25	X.X °	$\pm 4'$			
X.XX	± 0.20	X.XX °	$\pm 3'$	DOC TYP Customer Drw		SIZE PART NUMBER: A4 F31S-1A7*1-110**
X.XXX	± 0.15	X.XXX °	$\pm 2'$	DRAWN DATE May 2019-01-07	REV. H	
LINEAR DIMS		ANGLES DIMS		DESIGN DATE May 2019-01-07	SCALE 1:1 UNIT : mm SHEET 2 OF 3	
DWG NO.:	A-S0127		CHECKED DATE Rain 2019-01-07	APPROVED DATE Hongkui Liu 2019-01-07		
MATERIAL	SEE NOTES					
FINISHED	SEE NOTES					

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1 | 2 | 3 | 4

1. PACKING INTO REEL:

PULL OUT DIRECTION

12.0±0.10 4.0±0.10 2.00±0.20

φ1.50^{+0.10}_{-0.08}

A±0.30 B±0.10 1.75±0.10

10&15pin View

Cover tape

Tarrier tape

6.1 12.0 0.35±0.05

12.00±0.10 4.0±0.10 2.0±0.20

φ1.5^{+0.1}_{-0.0}

A±0.30 B±0.10 1.75±0.10

20&70pin View

Cover tape

Tarrier tape

6.1 39.5 0.35±0.05

DETAIL:D

3.89 6.1 1.50±0.05 1.75±0.05

DETAIL "D"

2±0.5

PULL OUT DIRECTION

φ330 φ100 φ13

REEL: OUTER φ330; INNER φ100 REEL PAN

PULL OUT DIRECTION

EMPTY 20 POCKETS 900PCS EMPTY 30 POCKETS

TAIL PART (EMPTY) COMPONENT SUPPLIER LEADER PART (EMPTY)

5. QTY LIST:

DIM	NO.	10&15pin	20&30pin	40&50pin	60&70pin
A		24.00	32.00	44.00	56.00
B		14.20	28.40	40.40	52.40
N		10	8	6	5
TOTAL(PCS)		9000	7200	5400	4500

NOTES:

- MATERIAL:
 - CARRY TAPE:HIPS,T=0.35mm,CLEAR
 - REEL:HIPS,BLUE.
 - SHIM:PE,CLEAR.
- PRIMARY PACKING:900PCS/REEL.
- SECONDARY PACKING:"N"REELS/CARTON ("TOTAL"=N*900/CARTON).
- PEELING RESISTANCE: 0.1N~0.7N(10~70gf);
PEELING ANGLE: 165°~180°;
PEELING SPEED: 300mm/minutes.

2:PACKING INTO OUTER BOX

AIR CAP 2PCS
L332*W332*H(3~4)

Vacuum bag
L550*W435*H0.10

Waterproof bag(PE);1PCS
L700*W600*H0.05

CARTON,1PCS

TRANSPARENT BULE TAPE

310 335 335

Domestic packaging

RIBBON PROTECTIVE LAYER

Overseas packaging

Vacuum processing

Reel LABEL

TOTAL N LAYERS

UNLESS OTHERWISE SPECIFIED TOLERANCES				ANGLE OF PROJECTION		 Amphenol Aorora Technology (Huizhou) Co.,Ltd			
X.	±0.30	X. '	± 5'			TITLE: Assembly Drawing For 0.5 PITCH FPC CONN. ZIF SMT TYPE STRAIGHT			
X.X	±0.25	X.X '	± 4'						
X.XX	±0.20	X.XX '	± 3'	DOC TYPE		Customer Drw			
X.XXX	±0.15	X.XXX '	± 2'	DRAWN DATE		May 2019-01-07			
LINEAR DIMS				ANGLES DIMS		DESIGN DATE		May 2019-01-07	
DWG NO.: A-S0127				CHECKED DATE		Rain.Han 2019-01-07		SIZE PART NUMBER:	
MATERIAL SEE NOTES				APPROVED DATE		Leo.Liu 2019-01-07		A4 F31S-1A7L1-110**	
FINISHED SEE NOTES				SCALE		1:1		UNIT : mm SHEET 3 OF 3	

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D

1 | 2 | 3 | 4

Aor-QR-0406-A