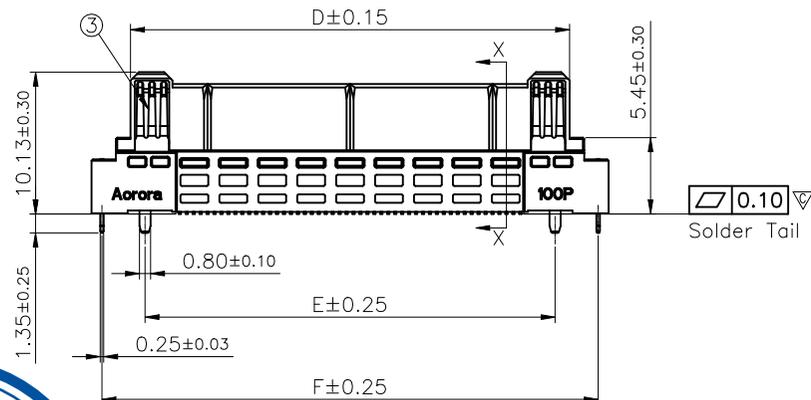
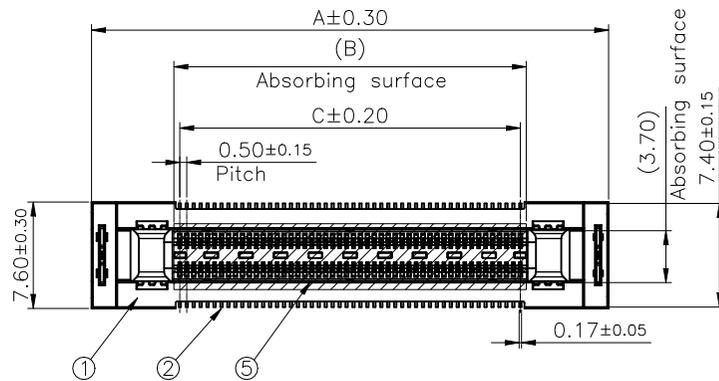
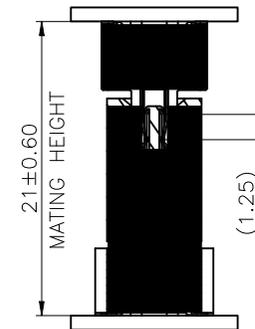
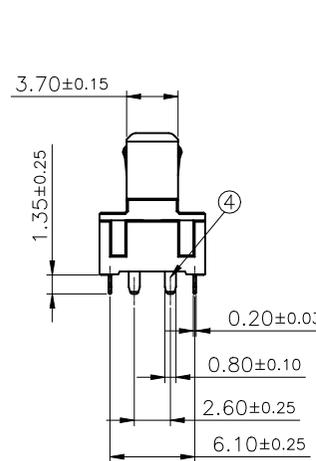


Halogen free



REV.	ECR/ECN No.	DESCRIPTION	DRAWN/DATE	CHECKED/DATE	APPROVED/DATE
A	/	New Release	SH Chen 2023-05-18	Elven 2023-05-18	Rain 2023-05-18

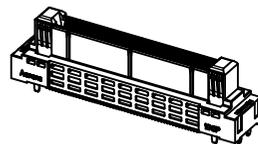
NO.	COMPONENTS	MATERIALS	SPECIFICATION:FINISH/COLOR	QTY.
1	HOUSING	GLASS FILLED LCP UL94V-0	BLACK	1
2	SIGNAL CONTACT	COPPER ALLOY T=0.15mm	ALL OVER Ni UNDER PLATING:40u''~120u'' CONTACT AREA: Au 4u'' MIN. SOLDER AREA: Au 2u''Min.	N
3	POWER CONTACT	COPPER ALLOY T=0.20mm	ALL OVER Ni UNDER PLATING:40u''~120u'' CONTACT AREA: Au 4u'' MIN. SOLDER AREA: Au 2u''Min.	4
4	FIXING TAB	COPPER ALLOY T=0.25mm	ALL OVER Ni UNDER PLATING:40u''~120u'' SOLDER AREA: Au 2u''Min.	2
5	MYLAR	THERMOSTABLE T=0.10mm	YELLOW	1



SECTION X-X
 FLOATING RANGE TOWARD
 X DIRECTION: ±0.80
 Y DIRECTION: ±0.80
 Z DIRECTION: ±0.60
 ASSEMBLY DRAWING

DIMENSION LIST:

PIN No.	A	B	C	D	E	F
20	17.20	5.35	4.50	11.59	9.50	15.70
40	22.20	10.35	9.50	16.59	14.50	20.70
60	27.20	15.35	14.50	21.59	19.50	25.70
80	32.20	20.35	19.50	26.59	24.50	30.70
A0(100)	37.20	25.35	24.50	31.59	29.50	35.70
B0(120)	42.20	30.35	29.50	36.59	34.50	40.70



PIN No.: 100PIN

UNLESS OTHERWISE SPECIFIED TOLERANCES		ANGLE OF PROJECTION	
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	

Customer Drw	
DRAWN	SH Chen 2023-05-18
DATE	
DESIGN	SH Chen 2023-05-18
DATE	
CHECKED	Elven 2023-05-18
DATE	
APPROVED	Rain 2023-05-18
DATE	

Amphenol AORORA	
Amphenol Aorora Technology (Huizhou) Co.,Ltd	
TITLE: 0.5mm Pitch SH21 Floating BTB Plug Conn.	
SIZE	A4
PART NUMBER:	B13P-3N1B1-AA1**-1110
REV.	A
SCALE	2:1
UNIT	mm
SHEET	1 OF 3

DWG NO.: A-S0837

MATERIAL: SEE NOTES
 FINISHED: SEE NOTES

Amphenol AORORA



NOTES:

1. SUPPLY OF CONTACT AREA ARE NOT ALLOW AND INTERPOSITION AREA SHOULD BE 0.03MM MAX.
2. "▽" MARK IS CRITICAL CHARACTERISTIC DIMENSION.
3. ALL MATERIAL MUST BE COMPLY RoHS.
4. PART NO.: B13P-3N1B1-AA1A0-1110

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1

2

3

4

A

B

C

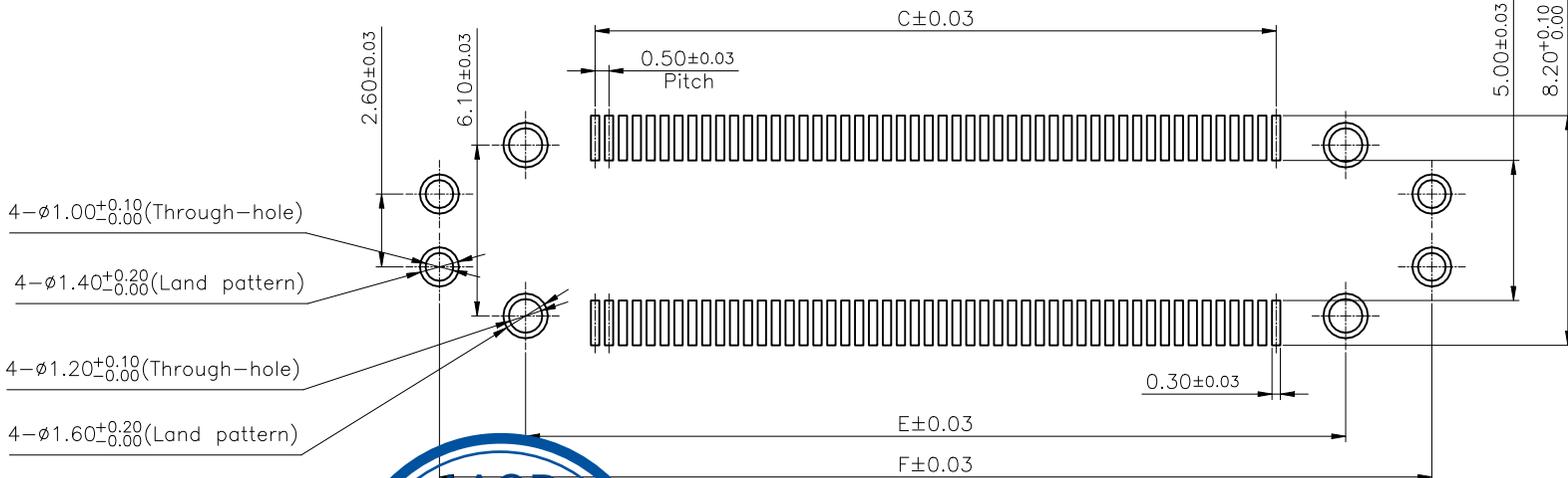
D

A

B

C

D



RECOMMENDED PCB SIZE

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UNLESS OTHERWISE SPECIFIED TOLERANCES			ANGLE OF PROJECTION		 Amphenol Aorora Technology (Huizhou) Co.,Ltd
X.	± 0.30	X. °	$\pm 5'$		
X.X	± 0.25	X.X °	$\pm 4'$	DOC TYPE	Customer Drw
X.XX	± 0.20	X.XX °	$\pm 3'$	DRAWN	SH Chen
X.XXX	± 0.15	X.XXX °	$\pm 2'$	DATE	2023-05-18
LINEAR DIMS		ANGLES DIMS		DESIGN	SH Chen
DWG NO.:	A-S0837			DATE	2023-05-18
MATERIAL	SEE NOTES			CHECKED	Elven
FINISHED	SEE NOTES			DATE	2023-05-18
APPROVED	Rain			DATE	2023-05-18
TITLE:		0.5mm Pitch SH21 Floating BTB Plug Conn.		SIZE	A4
PART NUMBER:		B13P-3N1B1-AA1**-1110		REV.	A
SCALE	4:1	UNIT	mm	SHEET 2 OF 3	

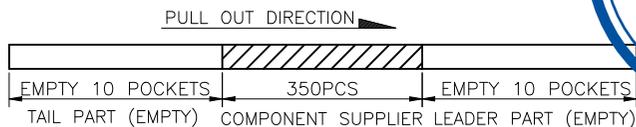
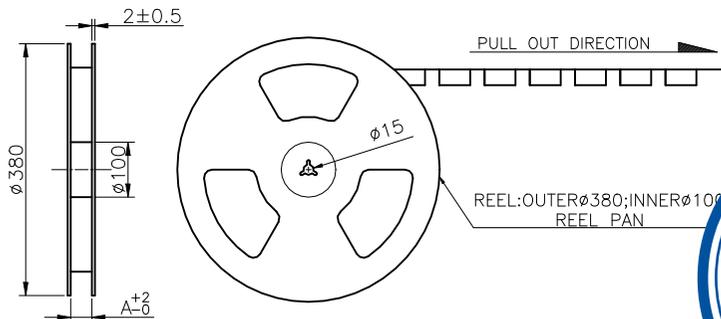
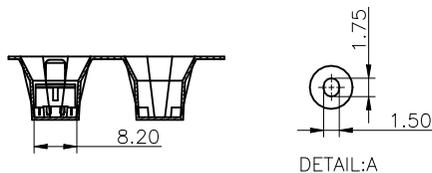
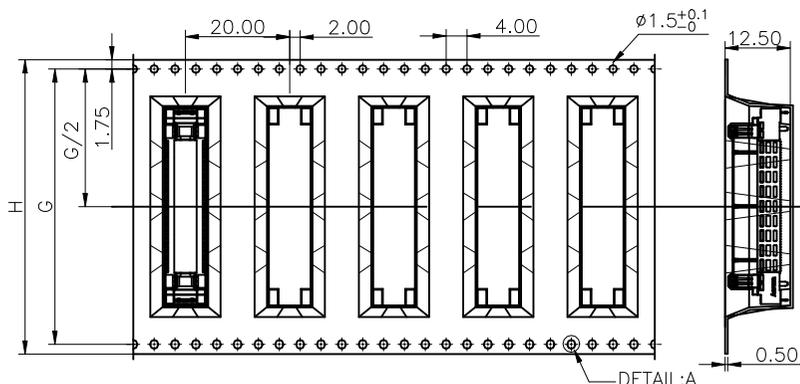
1

2

3

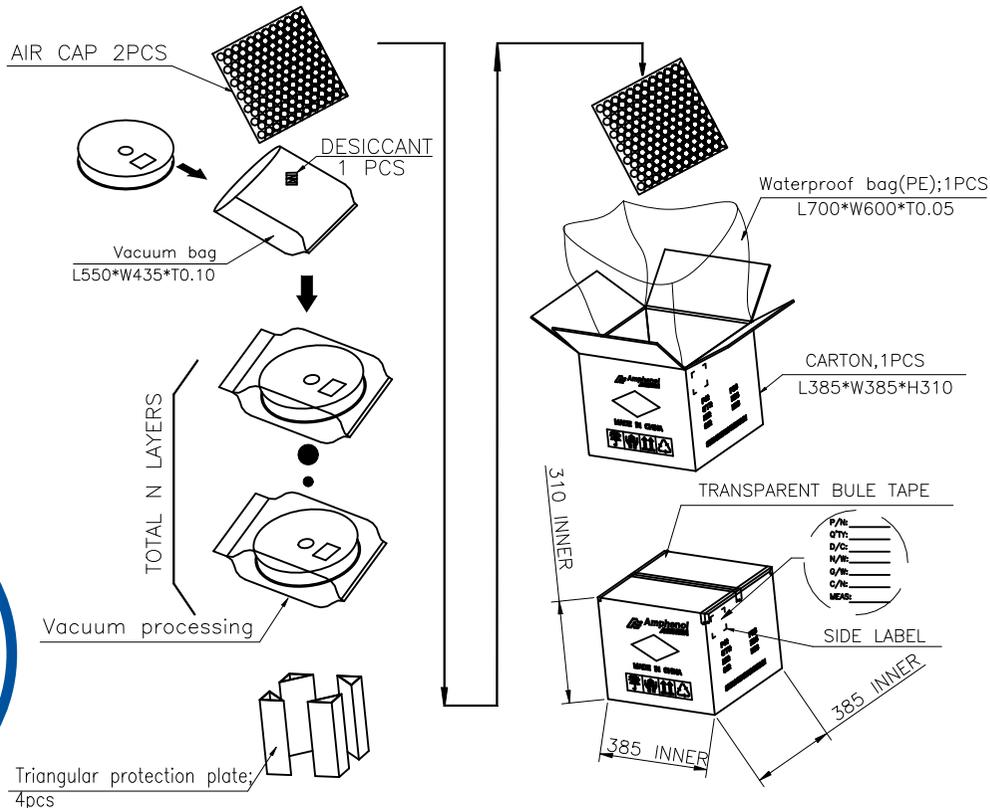
4

PULL OUT DIRECTION



5. QTY LIST:

DIM NO.	20pin	40pin	60pin	80pin	100pin	120pin
H	44.00	44.00	56.00	56.00	56.00	72.00
G	40.40	40.40	52.40	52.40	52.40	68.40
N	6	6	5	5	5	4
TOTAL(PCS)	2100	2100	1750	1750	1750	1400



NOTES:

- MATERIAL:
 - CARRY TAPE:HIPS,T=0.50mm,CLEAR
 - REEL:HIPS,BLUE.
 - SHIM:PE,CLEAR.
- PRIMARY PACKING:350PCS/REEL.
- SECONDARY PACKING:"N"REELS/CARTON ("TOTAL"=N*350/CARTON).
- PEELING RESISTANCE: 0.4N~1.4N(40~140gf);
PEELING ANGLE: 165°~180°;
PEELING SPEED: 300mm/minutes.

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 TYPE: Customer Drw	TITLE: 0.5mm Pitch SH21 Floating BTB Plug Conn.
X.XXX	±0.15	X.XXX *	± 2'	DRAWN DATE: SH Chen 2023-05-18	SIZE: A4
LINEAR DIMS		ANGLES DIMS		DESIGN DATE: SH Chen 2023-05-18	PART NUMBER: B13P-3N1B1-AA1**-1110
DWG NO.:	A-S0837			CHECKED DATE: Elven 2023-05-18	REV. A
MATERIAL	SEE NOTES			APPROVED DATE: Rain 2023-05-18	SCALE: 1:1
FINISHED	SEE NOTES				UNIT: mm
					SHEET 3 OF 3

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Amphenol AORORA