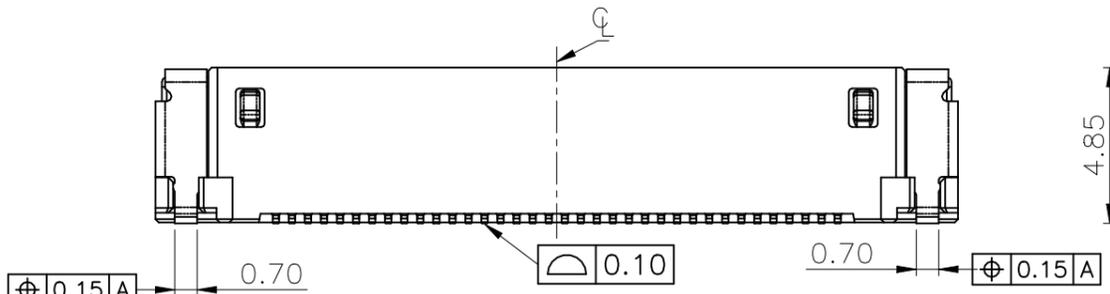
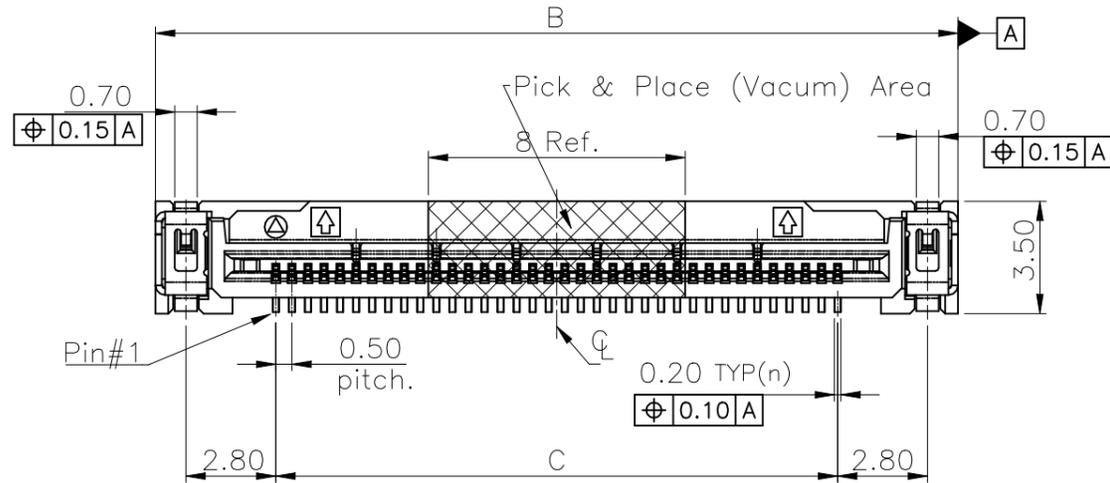
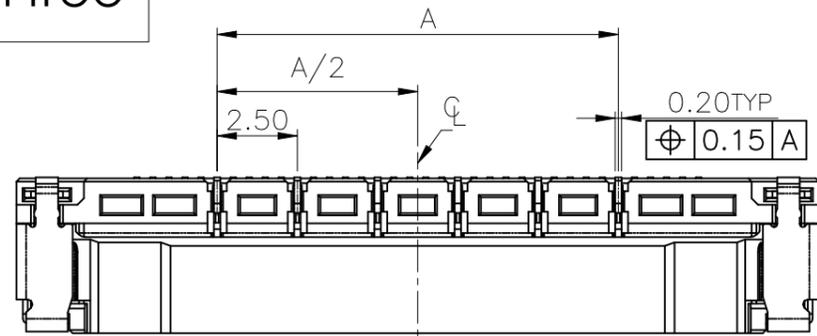
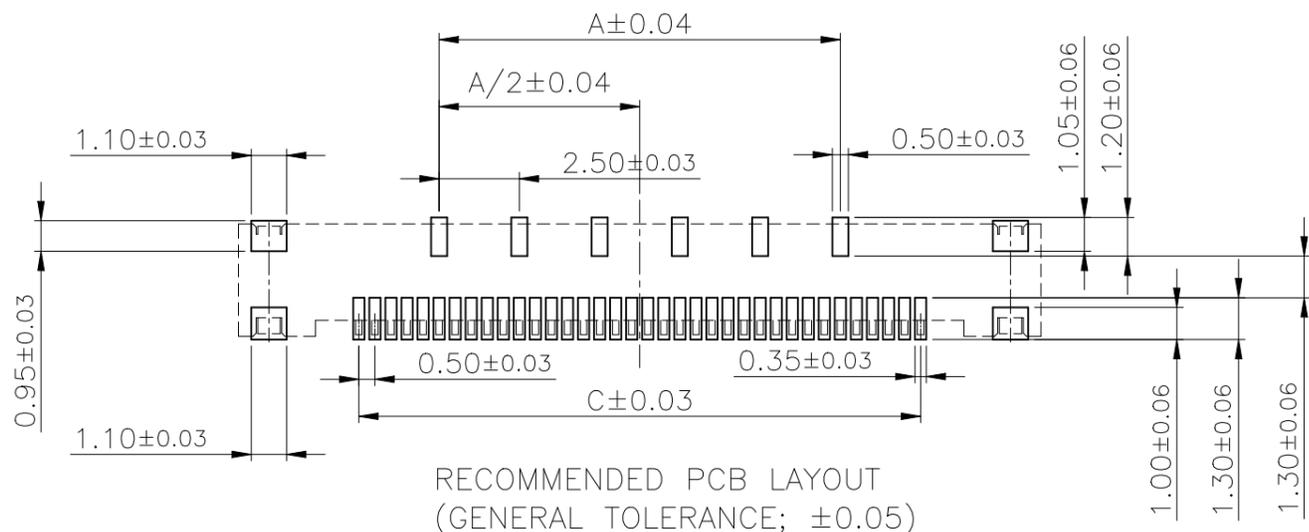


Halogen free



*The coplanarity of terminal, lock-terminal and GND terminal is 0.10 MAX.



RECOMMENDED PCB LAYOUT
(GENERAL TOLERANCE; ±0.05)

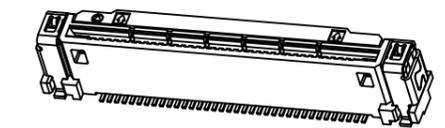
REV.	ECR/ECN No.	DESCRIPTION	DRAWN/DATE	CHECKED/DATE	APPROVED/DATE
C	/	Add 40,50,60pin	May Wang 2022-06-17	SH Chen 2022-06-17	Rain Han 2022-06-17
D	/	Update minimum package quantity	May Wang 2023-01-09	SH Chen 2023-01-09	Rain Han 2023-01-09
E	/	Add 20PIN,30PIN and 12PIN	May Wang 2023-05-15	Eleven.Zhan 2023-05-15	Rain Han 2023-05-15

NOTE

- MATERIAL
 - HOUSING / ACTUATOR: THERMOPLASTIC RESIN,UL94V-0, BLACK
 - TERMINAL: COPPER ALLOY, t=0.15
 - LOCK TERMINAL, GROUND TERMINAL, FIXING-TAB: COPPER ALLOY, t=0.2
- FINISH
 - Signal Contact, Fixing-Tab: Au FLASH ON ALL OVER Ni UNDER PLATING
 - LOCK Contact: Ni PLATING
 - GROUND Contact: MATTE Tin ON ALL OVER Ni UNDER PLATING.
- CO-PLANARITY: 0.1 MAX.
- THICKNESS OF A METAL MASK: 0.10mm
- FFC/FPC WITH SHIELDED
 - DIFFERENTIAL IMPEDANCE: $100 \pm 10\Omega @ 0.33t$
- OTHER

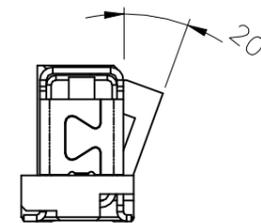
THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS.
- ALL MATERIAL MUST BE COMPLY WITH RoHS.
- PART NO.: F323-1B**1-210**-E200

7F: Au 0.08um Min. NO. OF POS.
7M: Au 0.75um Min.



Flex insertion depth

LOCK RELEASE ANGLE



DIMENSION LIST: ⑩

NO. OF POS.	A	B	C	D
10	2.50	12.00	4.50	7.04
12	2.50	13.00	5.50	8.04
20	7.50	17.00	9.50	12.04
26	7.50	20.00	12.50	15.04
30	12.50	22.00	14.50	17.04
36	12.50	25.00	17.50	20.04
40	17.50	27.00	19.50	22.04
50	22.50	32.00	24.50	27.04
55	22.50	34.50	27.00	29.54
60	27.50	37.00	29.50	32.04

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	
DWG NO.:	A-S0561	Customer Drw	
MATERIAL	SEE NOTES	DRAWN DATE	May 2023-05-15
FINISHED	SEE NOTES	DESIGN DATE	May 2023-05-15
		CHECKED DATE	Eleven.Zhan 2023-05-15
		APPROVED DATE	Rain 2023-05-15

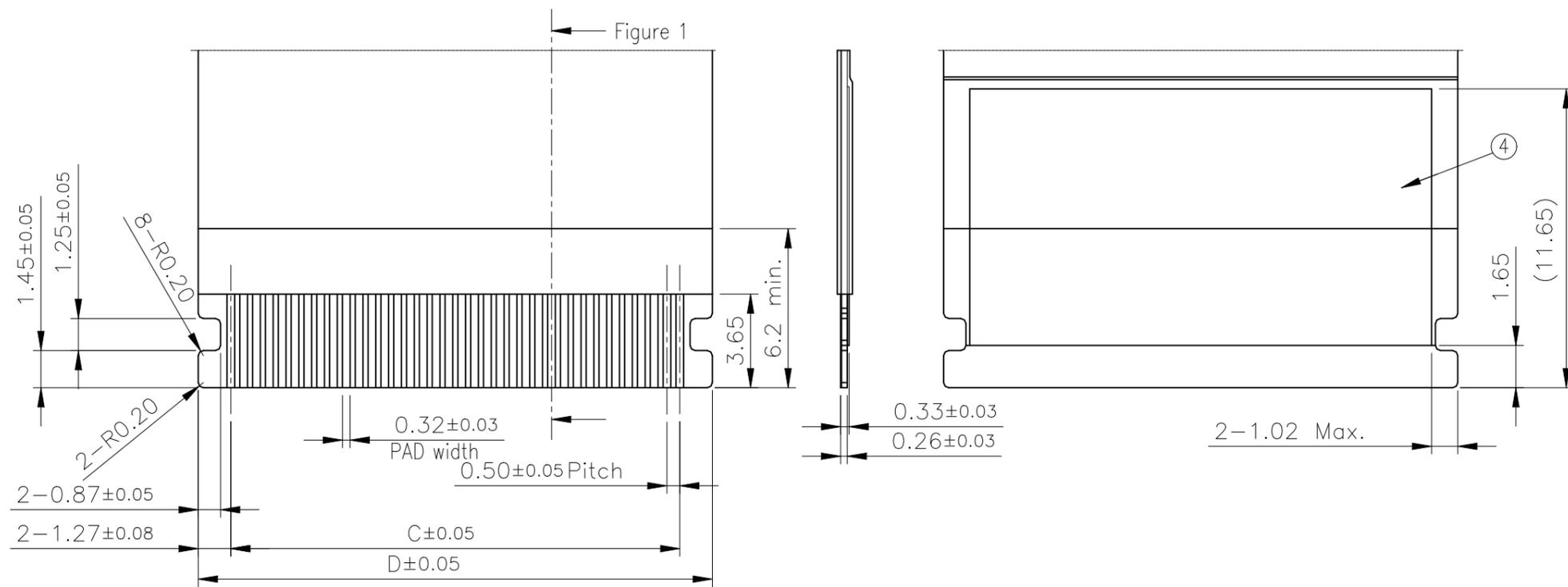
TITLE:		PART NUMBER:		REV.
0.50mm Pitch VT Auto Lock Conn. -Assembly		F323-1B**1-210**-E200		E
SCALE	3:1	UNIT	mm	SHEET 1 OF 4

Amphenol AORORA
Amphenol Aorora Technology (Huizhou) Co.,Ltd

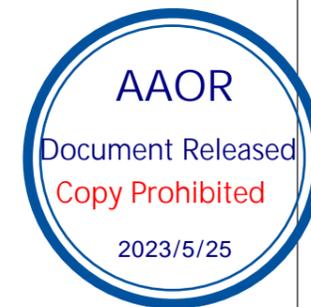


This document is the property of and embodies CONFIDENTIAL and PROPRIETARY information of AAOR. No part of the information shown on this document may be used in any way or disclosed to others without the written consent of AAOR. © 2019 AAOR





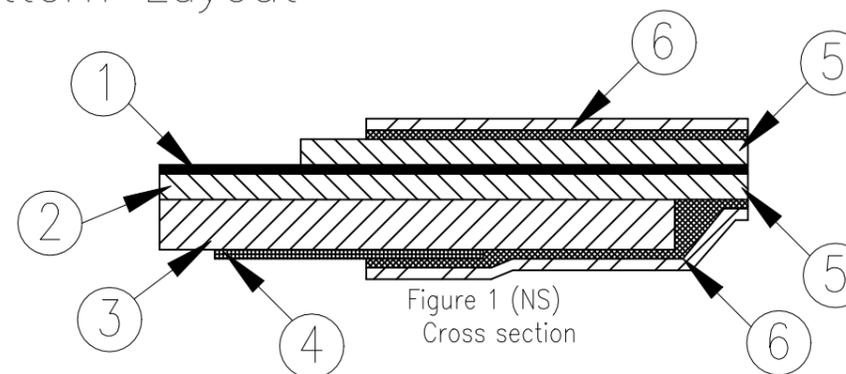
Recommended FFC pattern Layout



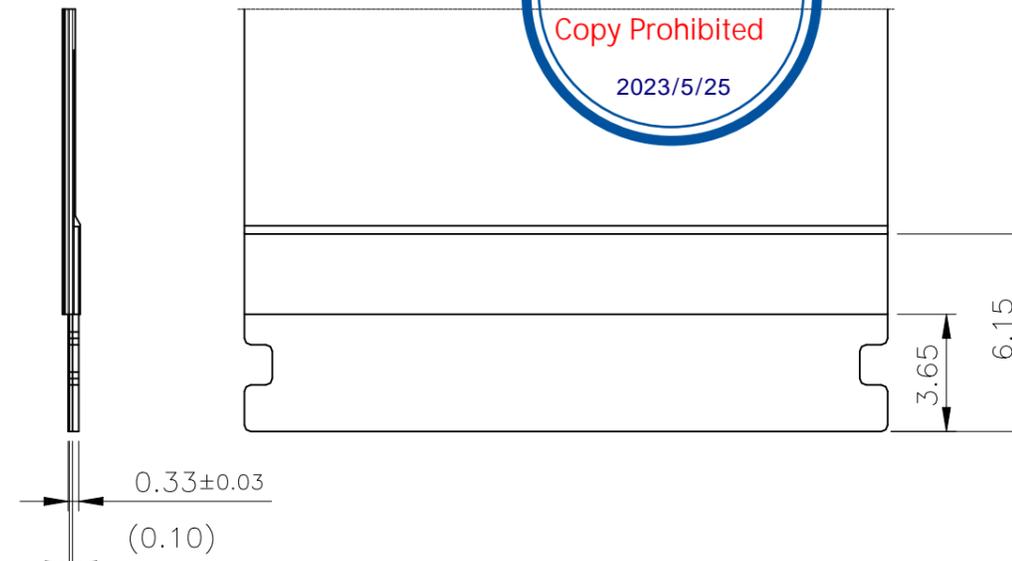
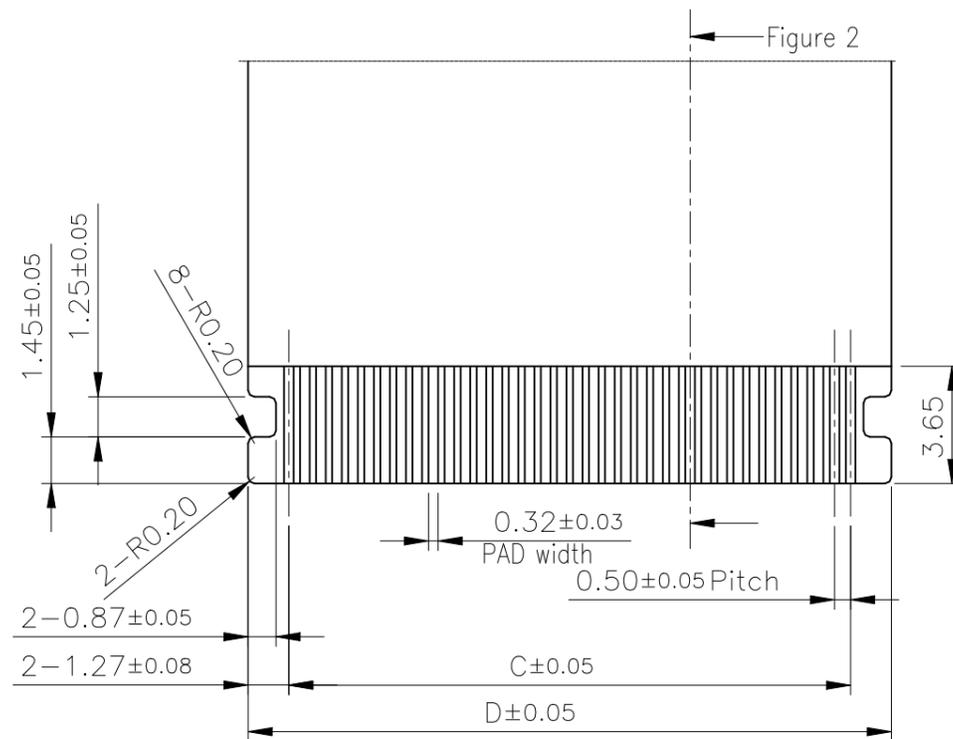
Note:
Material

No	Component Name	Material	Finish
①	Conductor	Copper Alloy (35um)	0.05um min. Au plating. Over 0.05 um Ni plating
②	Insulation Film	Optional	
③	Stiffener Board	Optional	
④	Ground Plate	Metal Film	Sn plating. Over 0.05 um Ni plating
⑤	Intermediate layer	Optional	
⑥	Shield Tape	Metal Film	With insulating tape

NOTE
1. DIFFERENTIAL IMPEDANCE: $100 \pm 10\Omega$
2. THE DOCUMENT MAY BE CHANGED WITHOUT PRIOR NOTICE



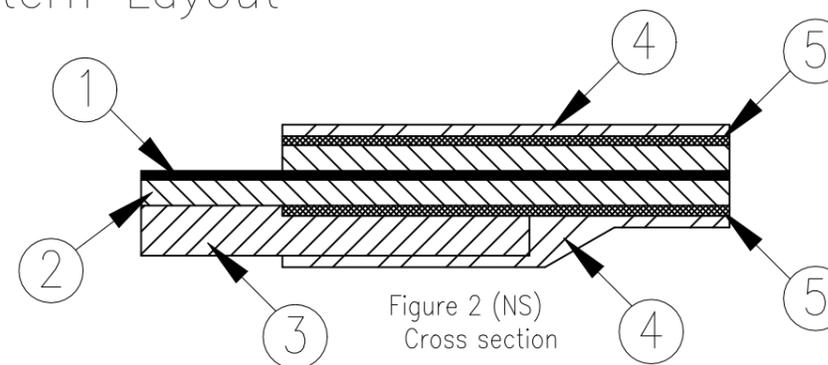
UNLESS OTHERWISE SPECIFIED TOLERANCES				ANGLE OF PROJECTION		Amphenol AORORA		
X.	±0.30	X. °	± 5'			Amphenol Aorora Technology (Huizhou) Co.,Ltd		
X.X	±0.25	X.X °	± 4'					
X.XX	±0.20	X.XX °	± 3'	DOC TYP Customer Drw		TITLE:		
X.XXX	±0.15	X.XXX °	± 2'	DRAWN DATE	May 2023-05-15	0.50mm Pitch VT Auto Lock Conn. -Assembly		
LINEAR DIMS		ANGLES DIMS		DESIGN DATE	May 2023-05-15	SIZE	PART NUMBER:	REV.
DWG NO.: A-S0561				CHECKED DATE	Eleven.Zhan 2023-05-15	A4	F323-1B**1-210**-E200	E
MATERIAL SEE NOTES				APPROVED DATE	Rain.Han 2023-05-15	SCALE	3:1	UNIT : mm
FINISHED SEE NOTES						SHEET	2 OF 4	



Recommended FFC pattern Layout

Note:
Material

No	Component Name	Material	Finish
①	Conductor	Copper Alloy (35um)	0.05um min. Au plating. Over 0.05 um Ni plating
②	Insulation Film	LCP or Optional	
③	Stiffener Board	Optional	
④	Insulation Film	PI or Optional	
⑤	Conductor	Copper Alloy (Optional)	



NOTE
1. DIFFERENTIAL IMPEDANCE: $100 \pm 10\Omega$
2. THE DOCUMENT MAY BE CHANGED WITHOUT PRIOR NOTICE

UNLESS OTHERWISE SPECIFIED TOLERANCES				ANGLE OF PROJECTION		Amphenol AORORA					
X.	±0.30	X. °	± 5'			Amphenol Aorora Technology (Huizhou) Co.,Ltd TITLE: 0.50mm Pitch VT Auto Lock Conn. -Assembly					
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		May 2023-05-15		SIZE		PART NUMBER:	
LINEAR DIMS		ANGLES DIMS		DESIGN DATE		May 2023-05-15		A4		F323-1B**1-210**-E200	
DWG NO.: A-S0561		MATERIAL		CHECKED DATE		Eleven.Zhan 2023-05-15		SCALE		3:1	
FINISHED		SEE NOTES		APPROVED DATE		Rain.Han 2023-05-15		UNIT : mm		SHEET 3 OF 4	

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

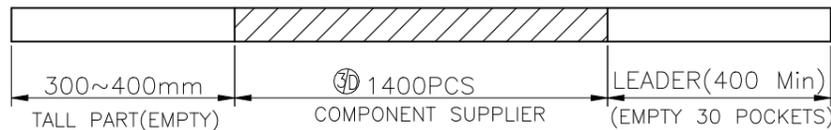
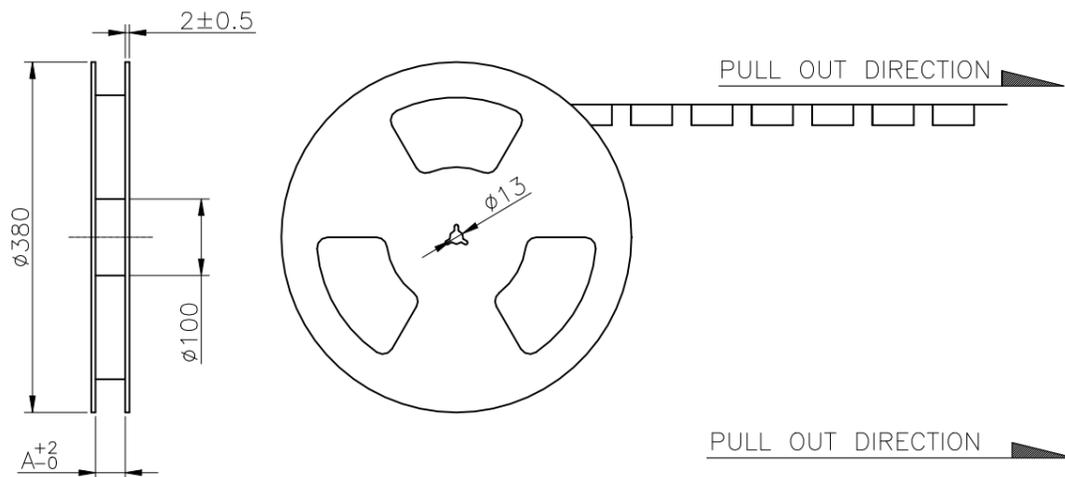
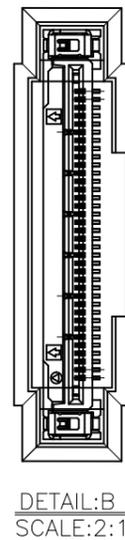
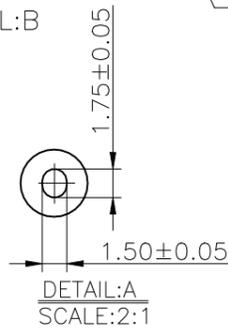
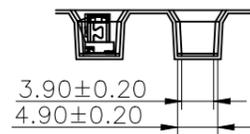
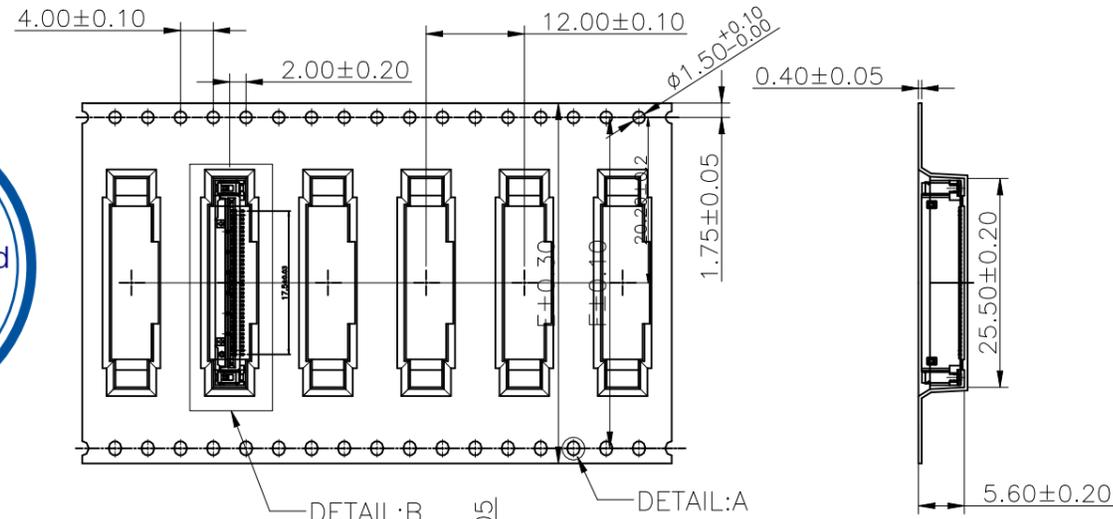
Amphenol AORORA

NOTES:

1. MATERIAL:
 - 1.1 CARRY TAPE:HIPS,T=0.40,CLEAR
 - 1.2 REEL:HIPS,
 - 1.3 SHIM:PE,CLEAR.
2. PRIMARY PACKING:1500PCS/REEL.
3. SECONDARY PACKING:SEE PACKING LIST
4. PEELING RESISTANCE: 0.4~1.4N(40~140gf); PEELING ANGLE: 165°~180°; PEELING SPEED: 300mm/minutes.

1. PACKING INTO REEL:

PULL OUT DIRECTION

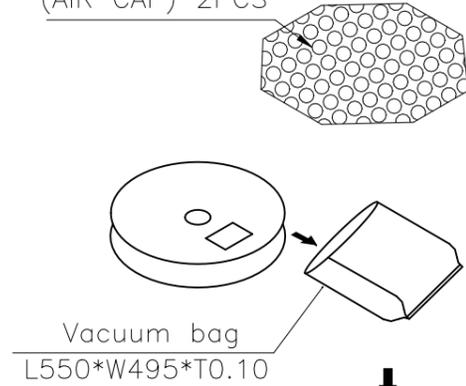


5. QTY. LIST:

NO. OF POS.	E	F	⑩ PCS/R	⑪ N R/Box(TOL:PCS)
10 PIN	24.0	11.5	1400	10R(14000PCS)
⑫ 12 PIN	24.0	11.5	1400	10R(14000PCS)
20 PIN	32.0	28.4	1400	8R(11200PCS)
26 PIN	32.0	28.4	1400	8R(11200PCS)
30 PIN	44.0	40.4	1400	6R(8400PCS)
36 PIN	44.0	40.4	1400	6R(8400PCS)
40 PIN	44.0	40.4	1400	6R(8400PCS)
50 PIN	56.0	52.4	1400	5R(7000PCS)
55 PIN	56.0	52.4	1400	5R(7000PCS)
60 PIN	56.0	52.4	1400	5R(7000PCS)

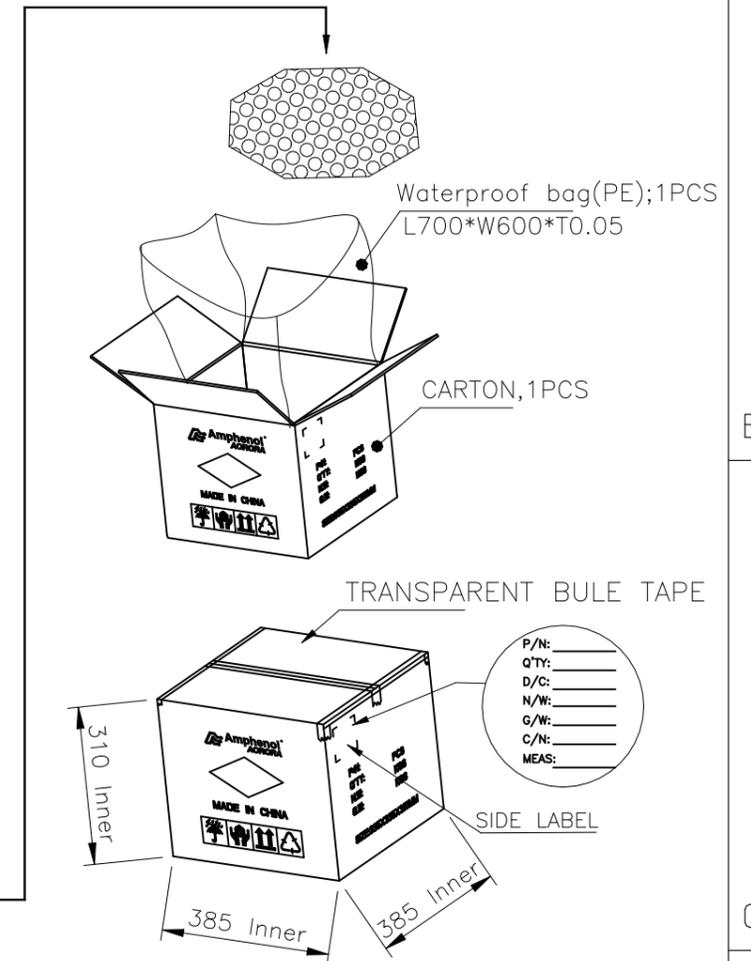
2:PACKING INTO OUTER BOX

(AIR CAP) 2PCS



TOTAL N LAYERS

Vacuum processing



UNLESS OTHERWISE SPECIFIED TOLERANCES				ANGLE OF PROJECTION		Amphenol AORORA		
X.	±0.30	X. °	± 5'			Amphenol Aorora Technology (Huizhou) Co.,Ltd TITLE: 0.50mm Pitch VT Auto Lock Conn. -Assembly		
X.X	±0.25	X.X °	± 4'					
X.XX	±0.20	X.XX °	± 3'	DOC TYP Customer Drw		SIZE PART NUMBER: A4 F323-1B7F1-210*-E200		
X.XXX	±0.15	X.XXX °	± 2'	DRAWN DATE May 2023-05-15		REV. E		
LINEAR DIMS		ANGLES DIMS		DESIGN DATE May 2023-05-15		SCALE 1:1 UNIT: mm SHEET 4 OF 4		
DWG NO.: A-S0561		MATERIAL SEE NOTES		CHECKED DATE Eleven.Zhan 2023-05-15		APPROVED DATE Rain.Han 2023-05-15		
FINISHED SEE NOTES								



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