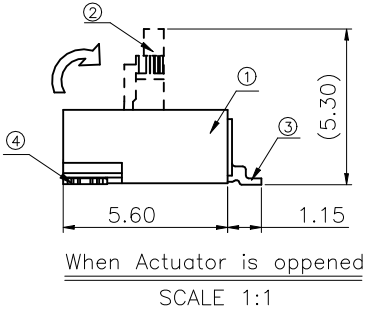
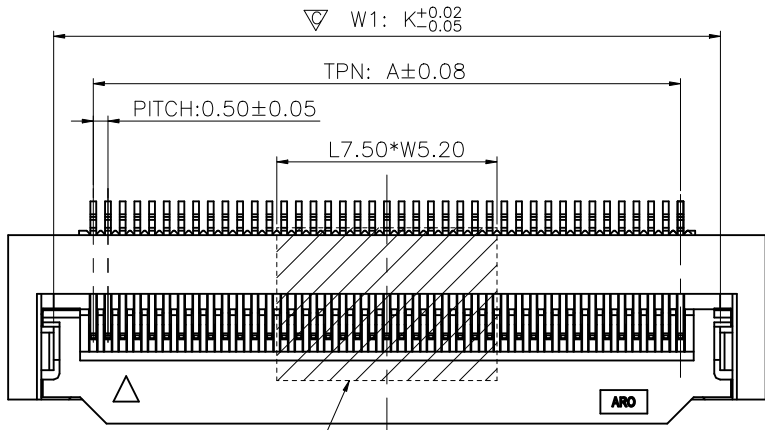
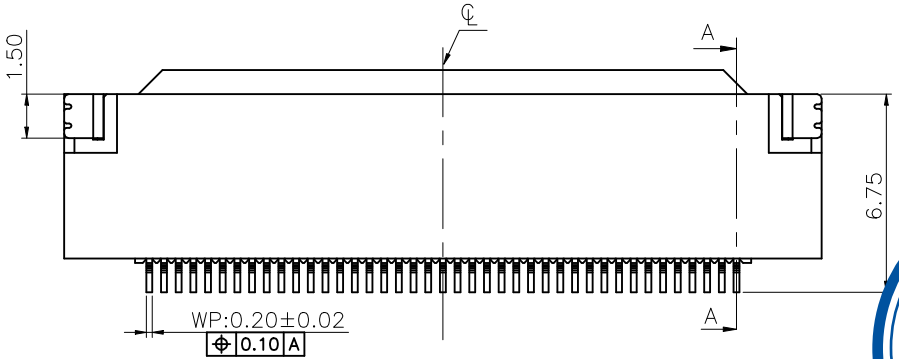
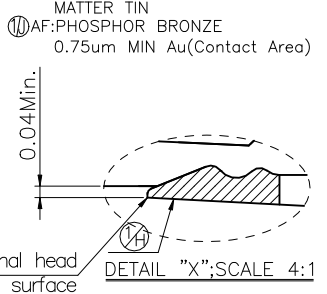
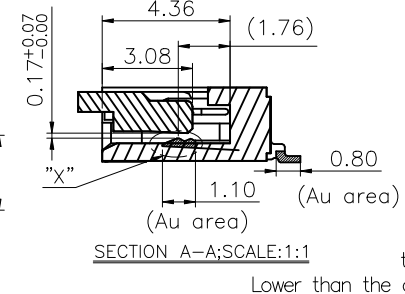
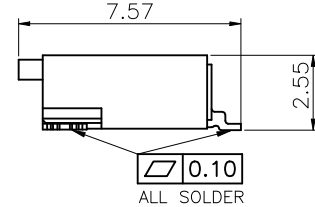
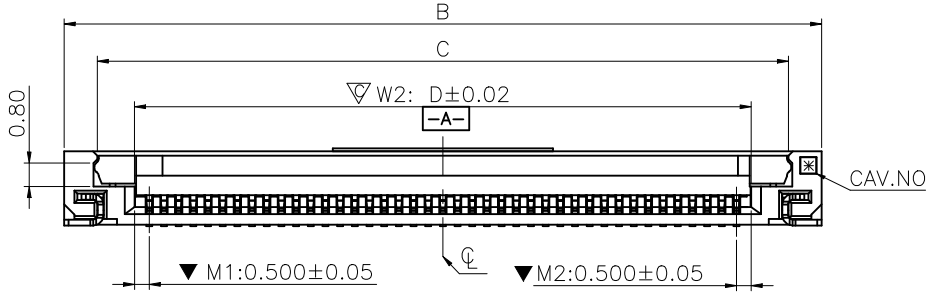


REV.	ECR/ECN No.	DESCRIPTION	DRAWN/DATE	CHECKED/DATE	APPROVED/DATE
I	/	Upgraded the part number as per customer requested	May 2016-05-13	Rain 2016-05-13	Leo 2016-05-13
J	/	Update the drawing frame Add Au 0.75um(contact area)	May 2020-06-29	SH.Chen 2020-06-29	Rain.Han 2020-06-29
K	/	Add Add halogen free specification	May 2021-05-17	SH.Chen 2021-05-17	Rain.Han 2021-05-17
L	/	Update the dimensions	May 2022-08-24	SH.Chen 2022-08-24	Rain.Han 2022-08-24



- 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-*10**(WITH MYLAR,Not for new business)
F31L-1***1-*10**-*E*10(Upgraded)

- 1A:LCP Natural
1B:LCP Black
- 1:WITH MYLAR
2:WITHOUT MYLAR
- NO. OF POSITIONS
1:Containing halogen
2:halogen-free (H)
- 7H:PHOSPHOR BRONZE
0.075um MIN Au(Contact Area)
7A:PHOSPHOR BRONZE
MATTER TIN
ⓂAF:PHOSPHOR BRONZE
0.75um MIN Au(Contact Area)



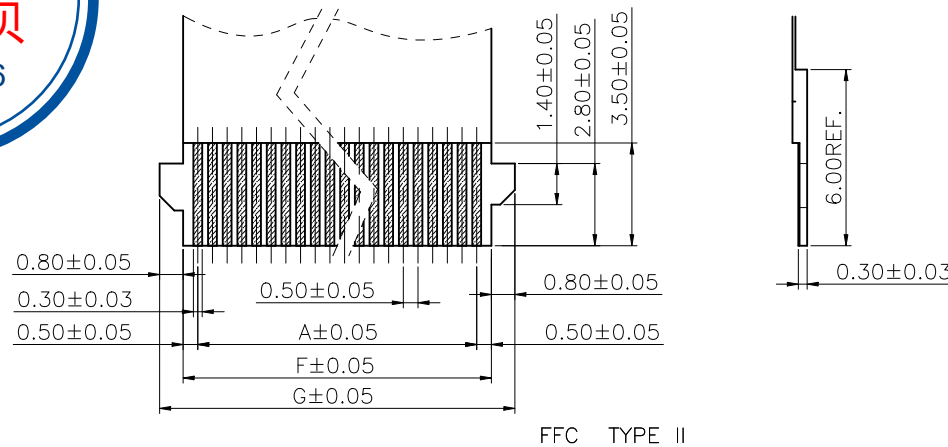
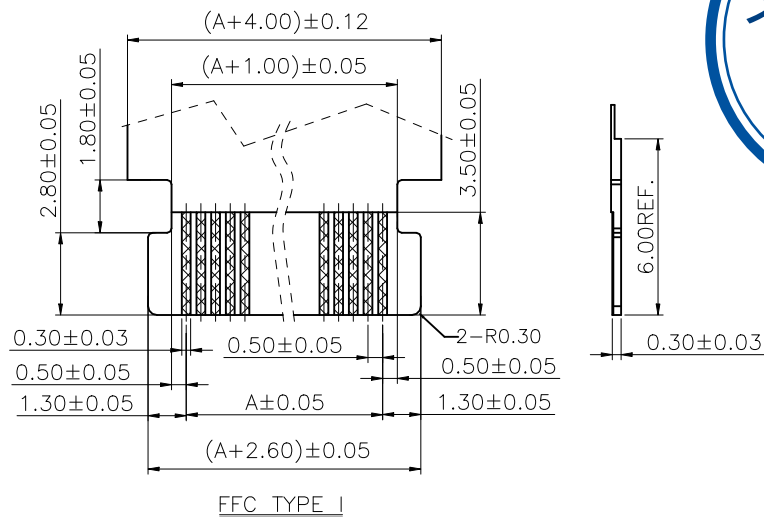
NO.	COMPONENTS	MATERIALS	FINISH/COLOR	SPECIFICATION	QTY
1	HOUSING	Liquid crystal polymer	Natural or Black(UL94V-0);		1
2	ACTUATOR	Polyamide 9T	black(UL94V-0);		1
3	CONTACT	Phosphor Bronze T=0.20mm	UNDER PLATING:1~3um Ni SURFACE SELECT PLATING:SEE PART NO.		N
4	ANCHOR-PLATE	Brass T=0.20mm	2~4um Tin PLATING 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'	DOC TYPE: Customer Drw		
X.XX ±0.20	X.XX * ± 3'	DRAWN DATE: May 2022-08-24	TITLE: Assembly Drawing For 0.5mm pitch Front side filp, with lock,H2.55mm(4~40PIN)	
X.XXX ±0.15	X.XXX * ± 2'	DESIGN DATE: May 2022-08-24	SIZE: A4	PART NUMBER: F31L-1*7*1-*10** F31L-1***1-*10**-*E*10
LINEAR DIMS	ANGLES DIMS	CHECKED DATE: SH.Chen 2022-08-24	APPROVED DATE: Rain.Han 2022-08-24	REV. L
MATERIAL	SEE NOTES	SCALE: 4:1 UNIT: mm SHEET 1 OF 3		
FINISHED	SEE NOTES			

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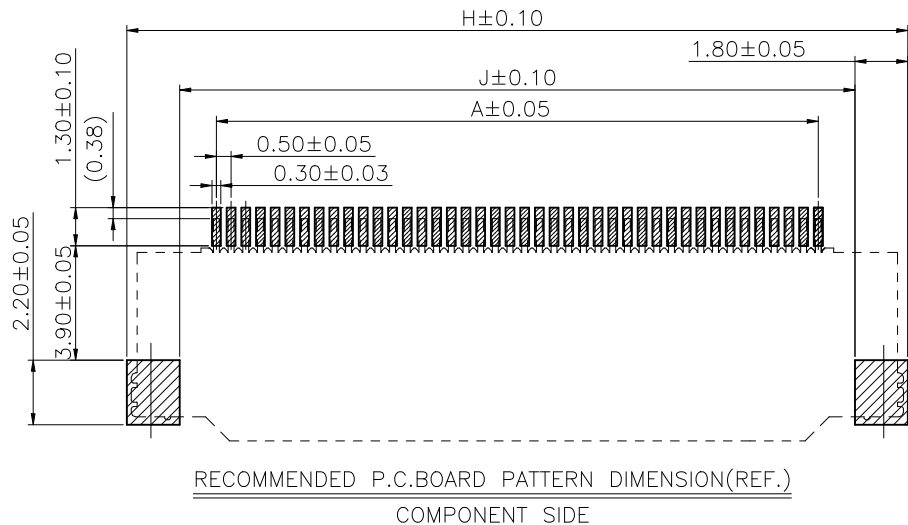
1. FFC PATTERN DIMENSION



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
① 4	1.5	7.3	5.04	2.5	2.5	4.1	7.6	4.0	4.22	23	11.0	16.8	14.54	12.0	12.0	13.6	17.1	13.5	13.72
5	2.0	7.8	5.54	3.0	3.0	4.6	8.1	4.5	4.72	24	11.5	17.3	15.04	12.5	12.5	14.1	17.6	14.0	14.22
② 6	2.5	8.3	6.04	3.5	3.5	5.1	8.6	5.0	5.22	25	12.0	17.8	15.54	13.0	13.0	14.6	18.1	14.5	14.72
7	3.0	8.8	6.54	4.0	4.0	5.6	9.1	5.5	5.72	26	12.5	18.3	16.04	13.5	13.5	15.1	18.6	15.0	15.22
8	3.5	9.3	7.04	4.5	4.5	6.1	9.6	6.0	6.22	27	13.0	18.8	16.54	14.0	14.0	15.6	19.1	15.5	15.72
9	4.0	9.8	7.54	5.0	5.0	6.6	10.1	6.5	6.72	28	13.5	19.3	17.04	14.5	14.5	16.1	19.6	16.0	16.22
10	4.5	10.3	8.04	5.5	5.5	7.1	10.6	7.0	7.22	29	14.0	19.8	17.54	15.0	15.0	16.6	20.1	16.5	16.72
11	5.0	10.8	8.54	6.0	6.0	7.6	11.1	7.5	7.72	30	14.5	20.3	18.04	15.5	15.5	17.1	20.6	17.0	17.22
12	5.5	11.3	9.04	6.5	6.5	8.1	11.6	8.0	8.22	31	15.0	20.8	18.54	16.0	16.0	17.6	21.1	17.5	17.72
13	6.0	11.8	9.54	7.0	7.0	8.6	12.1	8.5	8.72	32	15.5	21.3	19.04	16.5	16.5	18.1	21.6	18.0	18.22
14	6.5	12.3	10.04	7.5	7.5	9.1	12.6	9.0	9.22	33	16.0	21.8	19.54	17.0	17.0	18.6	22.1	18.5	18.72
15	7.0	12.8	10.54	8.0	8.0	9.6	13.1	9.5	9.72	34	16.5	22.3	20.04	17.5	17.5	19.1	22.6	19.0	19.22
16	7.5	13.3	11.04	8.5	8.5	10.1	13.6	10.0	10.22	35	17.0	22.8	20.54	18.0	18.0	19.6	23.1	19.5	19.72
17	8.0	13.8	11.54	9.0	9.0	10.6	14.1	10.5	10.72	36	17.5	23.3	21.04	18.5	18.5	20.1	23.6	20.0	20.22
18	8.5	14.3	12.04	9.5	9.5	11.1	14.6	11.0	11.22	37	18.0	23.8	21.54	19.0	19.0	20.6	24.1	20.5	20.72
19	9.0	14.8	12.54	10.0	10.0	11.6	15.1	11.5	11.72	38	18.5	24.3	22.04	19.5	19.5	21.1	24.6	21.0	21.22
20	9.5	15.3	13.04	10.5	10.5	12.1	15.6	12.0	12.22	39	19.0	24.8	22.54	20.0	20.0	21.6	25.1	21.5	21.72
21	10.0	15.8	13.54	11.0	11.0	12.6	16.1	12.5	12.72	40	19.5	25.3	23.04	20.5	20.5	22.1	25.6	22.0	22.22
22	10.5	16.3	14.04	11.5	11.5	13.1	16.6	13.0	13.22										

2. P.C.B LAYOUT, TOL: ±0.05

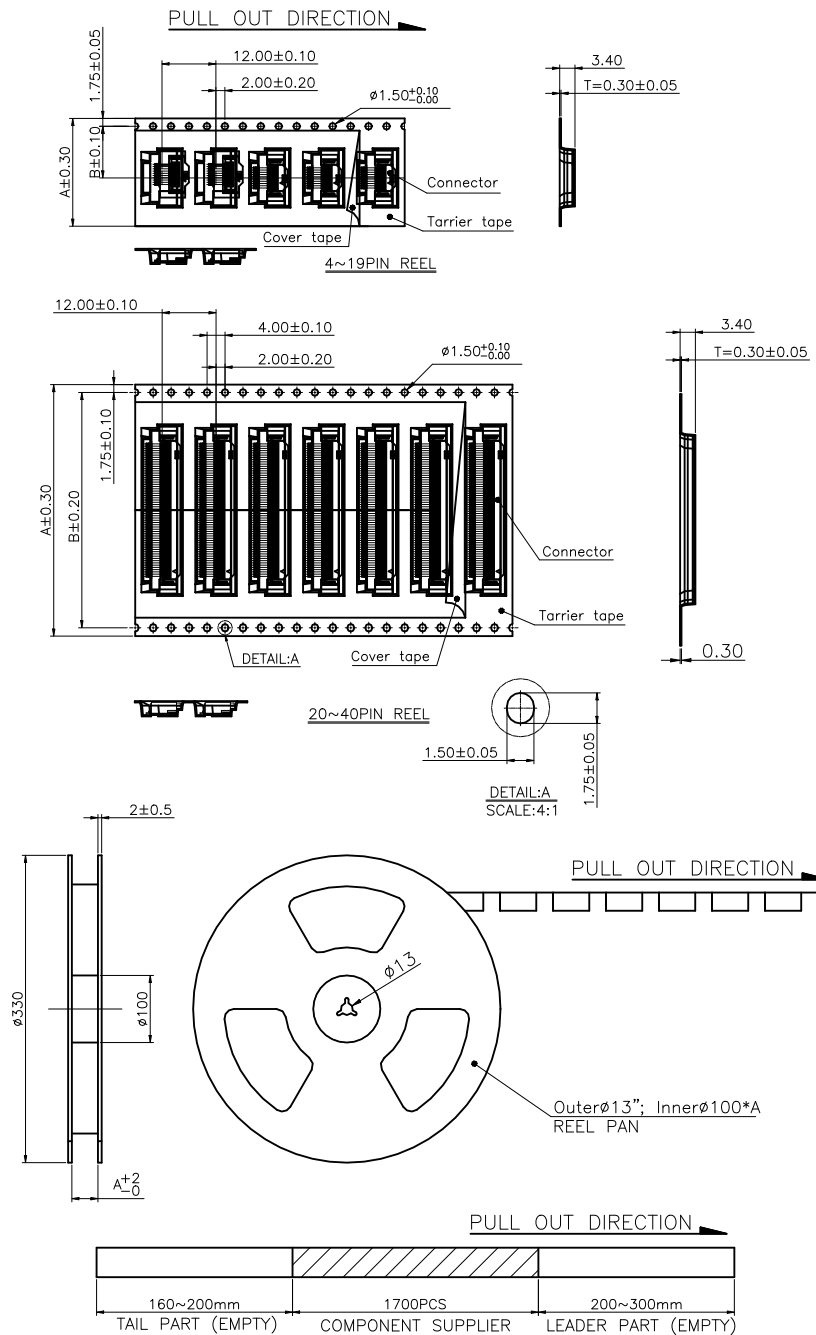


RECOMMENDED P.C.BOARD PATTERN DIMENSION(REF.)
COMPONENT SIDE

UNLESS OTHERWISE SPECIFIED TOLERANCES		ANGLE OF PROJECTION		 Amphenol Aorora Technology (Huizhou) Co.,Ltd
X.	±0.30	X. *	± 5°	
X.X	±0.25	X.X *	± 4°	DOC TYP Customer Drw
X.XX	±0.20	X.XX *	± 3°	
X.XXX	±0.15	X.XXX *	± 2°	DRAWN DATE May 2022-08-24 DESIGN DATE May 2022-08-24 CHECKED DATE SH.Chen 2022-08-24 APPROVED DATE Rain.Han 2022-08-24
DWG NO.: A-S0099		TITLE: Assembly Drawing For 0.5mm pitch Front side filp, with lock,H2.55mm(4~40PIN)		SIZE PART NUMBER: F31L-1*7*1-1*10** F31L-1***1-1*10**-E*10
MATERIAL	SEE NOTES	FINISHED	SEE NOTES	SCALE 4:1 UNIT : mm SHEET 2 OF 3

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1. PACKING INTO REEL:



NOTES:

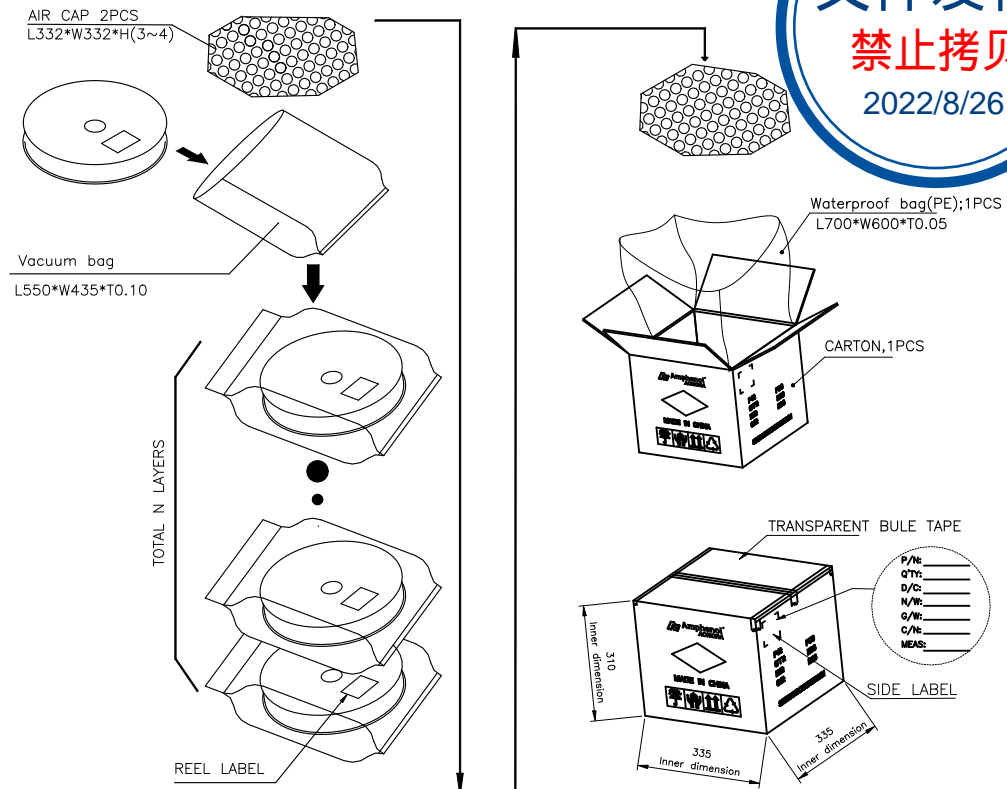
- MATERIAL:
 - CARRY TAPE:PS,T=0.30±0.05mm,CLEAR
 - REEL:HIPS; 1.3 SHIM:PE,CLEAR.
- PRIMARY PACKING:SEE TABLE.
- SECONDARY PACKING:SEE PACKING LIST
- PEELING RESISTANCE: 0.1~0.7N(10~70gf); PEELING ANGLE: 165°~180°; PEELING SPEED: 300mm/minutes.

5. QTY. LIST:

NO. OF POS	A	B	PCS/ REEL	N REEL/BOX (TOL:PCS)
4~20 PIN	24.0	11.50	1700	10REEL(17000PCS)
21~28 PIN	32.0	28.40	1700	8REEL(13600PCS)
29~40 PIN	44.0	40.40	1700	6REEL(10200PCS)



2:PACKING INTO OUTER BOX



UNLESS OTHERWISE SPECIFIED TOLERANCES			ANGLE OF PROJECTION		 Amphenol Aorora Technology (Huizhou) Co.,Ltd
X.	±0.30	X. *			
X.X	±0.25	X.X *			
X.XX	±0.20	X.XX *			
X.XXX	±0.15	X.XXX *			
LINEAR DIMS			ANGLES DIMS		TITLE: Assembly Drawing For 0.5mm pitch Front side filp, with lock,H2.55mm(4~40PIN)
DWG NO.: A-S0099			Customer Drw		
MATERIAL			DRAWN	DATE	SIZE PART NUMBER: F31L-1*7*1-*10** F31L-1***1-*10**-E*10
FINISHED			DATE	DATE	
SEE NOTES			DESIGN	DATE	REV. L
SEE NOTES			DATE	DATE	
APPROVED			DATE	DATE	SCALE 1:1 UNIT : mm SHEET 3 OF 3
DATE			DATE	DATE	

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