

ATLAS Pixel Flex Hybrid Assembly Specifications Coordinates

Units: mm					
Name	X position	Y position	Rotation	Item number	Notes
n/a	24.000	5.000	n/a	n/a	1 mm alignment circle
n/a	-24.000	-5.000	n/a	n/a	1 mm alignment circle
C1	-8.28	-5.98	0	2	non-polarized
C2	15.08	-4.23	180	1	non-polarized
C3	7.15	-4.2	180	1	non-polarized
C4	-25.22	-3.12	270	3	non-polarized
C5	-6.22	-0.45	180	2	non-polarized
C6	1.18	-1.8	0	2	non-polarized
C7	23.58	8.48	90	2	non-polarized
C8	22.02	8.48	270	2	non-polarized
C9	15.98	8.48	90	2	non-polarized
C10	14.42	8.48	270	2	non-polarized
C11	8.38	8.48	90	2	non-polarized
C12	6.82	8.48	270	2	non-polarized
C13	0.8	8.48	90	2	non-polarized
C14	-0.8	8.48	270	2	non-polarized
C15	-6.82	8.48	90	2	non-polarized
C16	-8.38	8.48	270	2	non-polarized
C17	-14.42	8.48	90	2	non-polarized
C18	-15.98	8.48	270	2	non-polarized
C19	-22.02	8.48	90	2	non-polarized
C20	-23.58	8.48	270	2	non-polarized
C21	-0.78	-0.62	0	2	non-polarized
C22	-15.2	-5.98	180	2	non-polarized
C23	-23.58	-8.25	270	2	non-polarized
C24	-22	-8.25	90	2	non-polarized
C25	-15.98	-8.25	270	2	non-polarized
C26	-14.42	-8.25	90	2	non-polarized
C27	-8.38	-8.25	270	2	non-polarized
C28	-6.82	-8.25	90	2	non-polarized
C29	-0.78	-8.25	270	2	non-polarized
C30	0.78	-8.25	90	2	non-polarized
C31	6.82	-8.25	270	2	non-polarized
C32	8.38	-8.25	90	2	non-polarized
C33	14.42	-8.25	270	2	non-polarized
C34	15.98	-8.25	90	2	non-polarized
C35	22.02	-8.25	270	2	non-polarized
C36	23.58	-8.25	90	2	non-polarized
C37	7.38	-6.15	180	2	non-polarized
C38	22.48	-6.1	180	2	non-polarized
R2	24.4	-1.95	270	6	non-polarized
R4	22.8	-1.95	270	6	non-polarized
R5	-21.25	-2.88	180	4	non-polarized
R6	-20.72	-5.05	90	7	non-polarized
R7	-25.25	-0.12	0	4	non-polarized
R8	-2.12	-2.52	0	8	non-polarized
R10	-18.38	-0.18	180	5	non-polarized
R11	-18.38	-1.72	0	5	non-polarized
R12	-18.32	-3.08	0	5	non-polarized
R13	-22.65	-5.55	0	5	non-polarized
TR1	21.65	-4.28	180	9	non-polarized

Item number	Manufacturer	Part #	Value	Unit	WVDC	Tolerance	Material	Characteristic	Package	# per flex	Reel Pitch	Parts/Reel	# of Reels	recei dz
1	Murata	GRM31CR61A106KA01[L, D, J, K]	10	uF	10	0.1	ceramic	X5R	1206	2	3mm 4mm Pitch Paper/PI	6000	3	
2	Murata	GRP155R61A104KA01[E, F]	0.1	uF	10	0.1	ceramic	X5R	0402	20	3mm 2mm Pitch Paper/PI	10000	14	10
3	Johanson Dielectrics	102R18W102KV4E	1	nF	1k	0.1	ceramic	X7R	1206	1	7 " reel EIA RS481	10000	1	
4	Digikey/Panasonic	P10.0kLTR (Panasonic ERJ-2RKF1002X)	10k	Ω	50	0.01	thick film		0402	2	7 " reel EIA RS481	10000	2	10
5	Digikey/Panasonic	P110LTR (Panasonic ERJ-2RKF1100X)	110	Ω	50	0.01	thick film		0402	4	7 " reel EIA RS481	10000	3	10
6	Digikey/Panasonic	P75.0LTR (Panasonic ERJ-2RKF75R0X)	75	Ω	50	0.01	thick film		0402	2	7 " reel EIA RS481	20000	1	
7	Digikey/Panasonic	P10.0LTR (Panasonic ERJ-2RKF10R0X)	10	Ω	50	0.01	thick film		0402	1	7 " reel EIA RS481	10000	1	10
8	Digikey/Yageo	311-0.0JTR	0	Ω	50	n/a	n/a		0402	1	7 " reel EIA RS481	10000	1	20
9	Semitech/Ishizuka	103KT160B-1P	10k	Ω	?	n/a	unknown	unknown	0603	1	Provided by Wuppertal			

0402 loss factor* 0.5
Number of flex 3500

* Loss Factor is losses due to parts magazine limitations at SMD