

ATLAS Pixel Flex Hybrid Assembly Specifications Coordinates

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unit angle 1																
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Name	X position	Y position	Rotation	Package	Value	Unit	WVDC	Power (W)	Tolerance	Dielectric	Material	Notes	Manufacturer	Part number	Item Category	
n/a	31.000	7.500	n/a	n/a	n/a	n/a	n/a	n/a	n/a			1 mm alignment circle	n/a	n/a		
n/a	-31.000	-7.500	n/a	n/a	n/a	n/a	n/a	n/a	n/a			1 mm alignment circle	n/a	n/a		
C1	-8.28	-5.98	0		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C2	15.08	-4.23	180		4.7	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM42-6X5R475K10D530	FlexCapacitorEDC	
C3	6.9	-3.2	180		4.7	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM42-6X5R475K10D530	FlexCapacitorEDC	
C4	-25.22	-3.12	270		0.001	uF	1kV	n/a	+ 10%	X7R	Ceramic	non-polarized	Johanson	102R18W102KV4E	FlexCapacitorHV	
C5	-6.22	-0.45	180		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C6	1.18	-1.8	0		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C7	23.58	8.48	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C8	22.02	8.48	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C9	15.98	8.48	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C10	14.42	8.48	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C11	8.38	8.48	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C12	6.82	8.48	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C13	0.8	8.48	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C14	-0.8	8.48	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C15	-6.82	8.48	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C16	-8.38	8.48	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C17	-14.42	8.48	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C18	-15.98	8.48	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C19	-22.02	8.48	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C20	-23.58	8.48	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C21	-0.78	-0.62	0		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C22	-15.2	-5.2	180		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C23	-23.58	-8.25	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C24	-22	-8.25	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C25	-15.98	-8.25	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C26	-14.42	-8.25	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C27	-8.38	-8.25	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C28	-6.82	-8.25	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C29	-0.78	-8.25	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C30	0.78	-8.25	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C31	6.82	-8.25	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C32	8.38	-8.25	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C33	14.42	-8.25	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C34	15.98	-8.25	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C35	22.02	-8.25	270		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
C36	23.58	-8.25	90		0.1	uF		10 n/a	+ 10%	X5R	Ceramic	non-polarized	Murata	GRM36X5R104K10D641	FlexCapacitorLDC	
R1	24.38	-5.5	270		110	Ohm		01/16	+ 1%	n/a	Thick film		Digikey	P110LTR-ND	FlexResistorTerminat	
R2	27.58	-3.25	90		110	Ohm		01/16	+ 1%	n/a	Thick film		Digikey	P110LTR-ND	FlexResistorTerminat	
R3	24.75	-3.28	90		110	Ohm		01/16	+ 1%	n/a	Thick film		Digikey	P110LTR-ND	FlexResistorTerminat	
R4	22.3	-6.05	0		110	Ohm		01/16	+ 1%	n/a	Thick film		Digikey	P110LTR-ND	FlexResistorTerminat	
R5	-21.28	-2.98	180		10K	Ohm		01/16	+ 1%	n/a	Thick film		Digikey	P10kLTR-ND	FlexResistorHVFilter	
R6	-22.85	-5.05	90		10	Ohm		01/16	+ 1%	n/a	Thick film		Digikey	P10LTR-ND	FlexResistorCoupling	
R7	-25.25	-0.12	0		10k	Ohm		01/16	+ 1%	n/a	Thick film		Digikey	P10kLTR-ND	FlexResistorHVFilter	
R8	-2.12	-2.52	0		0	Ohm		01/16	n/a	n/a	Thick film		Digikey	311-0.0JTR-ND	FlexResistorJumper	
R9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	01/16	+ 1%	n/a	Thick film	do not load	n/a	n/a	FlexResistorJumper	
R10	-18.38	-0.18	180		110	Ohm	Ohm	01/16	+ 1%	n/a	Thick film		Digikey	P110LTR-ND	FlexResistorTerminat	
R11	-18.38	-1.72	0		110	Ohm	Ohm	01/16	+ 1%	n/a	Thick film		Digikey	P110LTR-ND	FlexResistorTerminat	
R12	-18.32	-3.08	0		110	Ohm	Ohm	01/16	+ 1%	n/a	Thick film		Digikey	P110LTR-ND	FlexResistorTerminat	
R13	-14.65	-6.43	180		110	Ohm	Ohm	01/16	+ 1%	n/a	Thick film		Digikey	P110LTR-ND	FlexResistorTerminat	
TR1	21.65	-4.28	180		NTC	10k	Ohm	n/a	n/a	n/a	n/a		Semitech/Ishizuka	103KT160B-1P	FlexNTC	