

Variant: 001  
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TIDA-050036 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB	1		TIDA-050036	Any	Printed Circuit Board	
2	C1, C2, C4, C5, C6, C7, C8, C11, C12, C18	10	0.1uF	GCM155R71C104KA55D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
3	C3	1	10uF	GCM21BR71A106KE22L	MuRata	CAP, CERM, 10 uF, 10 V, +/- 10%, X7R, 0805	0805
4	C9, C10, C13, C14, C15, C16, C17, C19	8	1uF	GCM155C71A105KE38D	MuRata	CAP, CERM, 1 uF, 10 V, +/- 10%, X7S, AEC-Q200 Grade 1, 0402	0402
5	J1	1		ST5-30-1.50-L-D-P-TR	Samtec	Header(unshrouded), 0.5mm, 30x2, Gold, SMT	Header(unshrouded), 0.5mm, 30x2, SMT
6	L1, L2	2	220 ohm	BLM15AG221SN1D	MuRata	Ferrite Bead, 220 ohm @ 100 MHz, 0.45 A, 0402	0402
7	R1	1	22	ERJ-2GEJ220X	Panasonic	RES, 22, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
8	R2	1	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
9	R3, R4, R5	3	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
10	U1	1		OV02311-E75Y-QC	OmniVision	B&W CMOS 2 megapixel (1600x1300) image sensor with omnipixel technology	BGA75
11	Y1	1		DSC6101MI2A-024.0000T	Microchip	MEMS OSC XO 24.0000MHZ CMOS SMD	VFLGA4
12	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A