

Filename: Pro312A.tmp
Variant: 001
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TIDA-010021 REV E1 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB	1		TIDA-010021	Any	Printed Circuit Board	
2	C5, C9, C11, C17, C20, C22, C23, C24	8	0.1uF	885012205037	Würth Elektronik	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0402	0402
3	C10, C12, C16, C18, C19, C21	6	1uF	GRM155R61A105KE15D	MuRata	CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0402	0402
4	C25	1	5.8pF	GJM1555C1H5R8WB01D	MuRata	CAP, CERM, 5.8pF, 50 V, +/- 0.8%, C0G/NP0, 0402	0402
5	D2, D4, D5	3	Infrared	SFH 4556	OSRAM	LED, Infrared, TH	D5.5mm
6	D3	1		SFH203PFA	OSRAM	Silicon PIN Photodiode, TH	TH, 2-Leads, Dia 5.7mm
7	J4	1		FTS-107-01-F-S	Samtec	Header, 1.27mm, 7x1, Gold, TH	Header, 1.27 mm, 7x1, TH
8	L1, L2, L3, L4, L5	5		MMZ1005S182ET000	TDK	Inductor, Ferrite Bead, Ferrite, 0.2 A, 2.1 ohm, SMD	1x0.5mm
9	R2, R3	2	2.20k	RC0402FR-072K2L	Yageo America	RES, 2.20 k, 1%, 0.063 W, 0402	0402
10	U4	1		OPT3101RHFR	Texas Instruments	Long Range Proximity/Depth Sensor, RHF0028A (VQFN-28)	RHF0028A