



TIDA-010077 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C2, C5, C10, C12, C16, C18, C19, C21, C23, C24	11	1uF	GRM155R6YA105KE11D	MuRata	CAP, CERM, 1 uF, 35 V, +/- 10%, X5R, 0402	0402
C3	1	3.3uF	C1005X5R1A335K050BC	TDK	CAP, CERM, 3.3 uF, 10 V, +/- 10%, X5R, 0402	0402
C25	1	3.6pF	GRM1555C1H3R6CA01D	MuRata	CAP, CERM, 3.6 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
D2	1	Infrared	SFH 4556	OSRAM	LED, Infrared, TH	D5.5mm
D3	1		SFH203PFA	OSRAM	Silicon PIN Photodiode, TH	TH, 2-Leads, Dia 5.7mm
D4	1		SFH 4550	Osram Opto	Infrared Emitter, 3 , T-1 3/4 (5mm), 100 mA, 1.5 V, 12 ns, 12 ns	RADIAL
D5	1		SFH 4555	Osram Opto	High Power Infrared Emitter (850 nm)	RADIAL
J1	1		GRPB061VWVN-RC	Sullins Connector Solutions	Header, 50mil, 6x1, Gold, TH	Header, 6x1. TH
L1, L2, L3, L4, L5	5		MMZ1005S182ET000	TDK	Inductor, Ferrite Bead, Ferrite, 0.2 A, 2.1 ohm, SMD	1x0.5mm
R2, R3, R4, R5, R9	5	2.20k	RC0402FR-072K2L	Yageo America	RES, 2.20 k, 1%, 0.063 W, 0402	0402
U1	1		AT24C02C-STUM-T	Microchip	I2C-Compatible (2-wire) Serial EEPROM, SOT-23-5	SOT-23-5
U2	1		LM2664M6X	Texas Instruments	Switched Capacitor Voltage Converter, 6-pin SOT-23	DBV0006A
U4	1		OPT3101RHFR	Texas Instruments	Long Range Proximity/Depth Sensor, RHF0028A (VQFN-28)	RHF0028A