

Variant: 001  
Generated: 12/27/2019 11:04:59 AM  
TID #: 050035



TIDA-050035 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	PCB1	1		TIDA-050035	Any	Printed Circuit Board	
2	C1, C3, C4, C12, C19, C23, C26	7	10uF	GRT188C81C106ME13D	MuRata	CAP, CERM, 10 µF, 16 V, +/- 20%, X6S, AEC-Q200 Grade 2, 0603	0603
3	C2, C5, C6, C7, C8, C9, C10, C11, C13, C14, C15, C16, C17, C18, C20, C21, C22, C24, C25, C27, C28	21	0.1uF	GCM155R71C104KA55D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
4	C29	1	0.01uF	CGA2B3X7R1H103K050BB	TDK	CAP, CERM, 0.01 uF, 50 V, +/- 10%, X7R, 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	1	220 ohm	BLM15AG221SN1D	MuRata	Ferrite Bead, 220 ohm @ 100 MHz, 0.45 A, 0402	0402
7	R1, R2, R3, R4, R5	5	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
8	R6, R7, R8, R9, R10, R13	6	4.7k	RC0201JR-074K7L	Yageo America	RES, 4.7 k, 5%, 0.05 W, 0201	0201
9	R11	1	22	ERJ-2GEJ220X	Panasonic	RES, 22, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
10	R12	1	0	ERJ-1GE0R00C	Panasonic	RES, 0, 5%, 0.05 W, AEC-Q200 Grade 1, 0201	0201
11	U1	1		AR0233AT1C00XUEA0-DPBR-E	ON Semiconductor	1/2.5-Inch CMOS Digital Image Sensor, IBGA-80	IBGA,-80
12	Y1	1		ECS-2520Q-18-270-BP-TR	ECS Inc.	Oscillator, 27 MHz, AEC-Q200 Grade 2, SMD	2x2.5mm
13	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
14	J2, J3	0		TSW-101-08-G-S	Samtec	Header, 2.54mm, 1x1, Gold, TH	Header, 2.54mm, 1x1, TH
15	R14	0	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402