

Variant: 001
Generated: 11/26/2019 5:29:52 PM
TID #: <Parameter TID not found>



TIDA-050036 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-050035	Any	Printed Circuit Board	
2	C1, C16, C19, C21, C24, C27, C30, C33, C35	9	0.1uF	CGA2B3X7R1H104K050BB	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
3	C2, C3	2	10uF	CGA5L1X7R1E106K160AE	TDK	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
4	C4, C5, C6, C7, C9	5	10uF	C0805C106J8RACAUTO	Kemet	CAP, CERM, 10 uF, 10 V, +/- 5%, X7R, AEC-Q200 Grade 1, 0805	0805
5	C8, C10, C11, C12, C13	5	1uF	CGA3E1X7R1E105K080AC	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
6	C14	1	0.033uF	CGA2B3X7R1H333K050BB	TDK	CAP, CERM, 0.033 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
7	C15	1	22uF	C3216X5R1E226M160AB	TDK	CAP, CERM, 22 uF, 25 V, +/- 20%, X5R, 1206_190	1206_190
8	C17	1	0.015uF	CGA2B3X7R1H153K050BB	TDK	CAP, CERM, 0.015 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
9	C18, C26, C29, C32	4	10uF	GCM21BR70J106KE22L	MuRata	CAP, CERM, 10 uF, 6.3 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
10	C20, C22, C25, C28, C31, C34	6	0.01uF	CGA1A2X7R1A103K030BA	TDK	CAP, CERM, 0.01 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0201	0201
11	C23	1	0.022uF	GCM155R71H223KA55D	MuRata	CAP, CERM, 0.022 uF, 50 V, +/- 10%, C0G/NP0, 0402	0402
12	J1	1		SS5-30-3.50-L-D-K-TR	Samtec	Receptacle, 0.5mm, 30x2, Gold, SMT	Receptacle, 0.5mm, 30x2, SMT
13	J2	1		59S10H-40ML5-Z	Rosenberger	Connector, HF, 50 Ohm, TH	SMA Connector
14	L1	1	1.5uH	TFM201610ALMA1R5MTAA	TDK	Inductor, Shielded, Metal Composite, 1.5 uH, 2.3 A, 0.11 ohm, AEC-Q200 Grade 0, SMD	0806
15	L2, L3	2	1uH	TFM201610ALMA1R0MTAA	TDK	Inductor, Shielded, Metal Composite, 1 uH, 3.1 A, 0.06 ohm, AEC-Q200 Grade 0, SMD	0806
16	L4, L9, L10, L11, L12, L13	6	1000 ohm	BLM15AG102SN1D	MuRata	Ferrite Bead, 1000 ohm @ 100 MHz, 0.3 A, 0402	0402
17	L5	1	10uH	LQH3NPZ100MJRL	MuRata	Inductor, Wirewound, Ferrite, 10 uH, 0.81 A, 0.288 ohm, AEC-Q200 Grade 1, SMD	3x3mm
18	L6, L7, L8	3	1500 ohm	BLM18HE152SN1D	MuRata	Ferrite Bead, 1500 ohm @ 100 MHz, 0.5 A, 0603	0603
19	R1, R2, R3, R4, R5, R6, R8, R16	8	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
20	R7, R11, R12	3	4.7k	CRCW04024K70JNED	Vishay-Dale	RES, 4.7 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
21	R9	1	4.02k	CRCW04024K02FKED	Vishay-Dale	RES, 4.02 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
22	R10	1	49.9	CRCW020149R9FKED	Vishay-Dale	RES, 49.9, 1%, 0.05 W, 0201	0201
23	R13	1	22	ERJ-1GNJ220C	Panasonic	RES, 22, 5%, 0.05 W, AEC-Q200 Grade 1, 0201	0201
24	R14, R15	2	402	CRCW0402402RFKED	Vishay-Dale	RES, 402, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
25	U1	1		TPS650330QRGEQ1	Texas Instruments	Automotive Camera PMIC, RGE0024K (VQFN-24)	RGE0024K
26	U2	1		DS90UB953TRHBRQ1	Texas Instruments	2MP MIPI CSI-2 FPD-Link III Serializer for 2MP/60fps Cameras and RADAR, RHB0032P (VQFN-32)	RHB0032P
27	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
28	R17	0	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
29	TP15	0		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint