

TIDA-010055-E1_Non-ISO_Communication_PS REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1	1	0.01uF	C0402C103K4PAC7867	KEMET	CAP, CERM, 0.01 μ F, 16 V, +/- 10%, X5R, 0402	0402
C2	1	1uF	CL10A105KO8NNNC	Samsung Electro-Mechanics	CAP, CERM, 1 μ F, 16 V, +/- 10%, X5R, 0603	0603
C3	1	10uF	GRM188R60J106ME47D	MuRata	CAP, CERM, 10 μ F, 6.3 V, +/- 20%, X5R, 0603	0603
C4	1	750pF	C0402C751J5GAC7867	KEMET	CAP, CERM, 750 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
C5, C6	2	2.2uF	C3225X7R2A225K230AB	TDK Corporation	CAP, CERM, 2.2 μ F, 100 V, +/- 10%, X7R, 1210	1210
C7, C50	2	0.1uF	C0805C104K3RACTU	KEMET	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X7R, 0805	0805
C8	1	0.1uF	CL10B104KA8NNNC	Samsung Electro-Mechanics	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X7R, 0603	0603
C9	1	10uF	CL31B106KAHNNNE	Samsung Electro-Mechanics	CAP, CERM, 10 μ F, 25 V, +/- 10%, X7R, 1206	1206
C10, C11	2	22uF	GCM31CR71A226KE02	MuRata	CAP, CERM, 22 μ F, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206_190	1206_190
C12	1	100pF	06033C101KAT2A	AVX	CAP, CERM, 100 pF, 25 V, +/- 10%, X7R, 0603	0603
C13, C17	2	1uF	C3216X7R2A105K160AA	TDK Corporation	CAP, CERM, 1 μ F, 100 V, +/- 10%, X7R, 1206	1206
C14	1	2.2uF	C3225X7R2A225K230AB	TDK Corporation	CAP, CERM, 2.2 μ F, 100 V, +/- 10%, X7R, 1210	1210
C15	1	10uF	CL32B106KBJNNWE	Samsung Electro-Mechanics	CAP, CERM, 10 μ F, 63 V, +/- 10%, X7R, 1210	1210
C16	1	2.2uF	UMK316B7225KL-T	Taiyo Yuden	CAP, CERM, 2.2 μ F, 50 V, +/- 10%, X7R, 1206	1206
C18	1	0.022uF	C0603C223K4RACTU	KEMET	CAP, CERM, 0.022 μ F, 16 V, +/- 10%, X7R, 0603	0603
C19	1	22uF	CL31B226KPHNNNE	Samsung Electro-Mechanics	CAP, CERM, 22 μ F, 10 V, +/- 10%, X7R, 1206	1206
C20	1	0.047uF	CL05B473KO5NNNC	Samsung Electro-Mechanics	CAP, CERM, 0.047 μ F, 16 V, +/- 10%, X7R, 0402	0402
C21	1	2.2uF	UMK316B7225KL-T	Taiyo Yuden	CAP, CERM, 2.2 μ F, 50 V, +/- 10%, X7R, 1206	1206
C22, C23, C27	3	0.1uF	C0603X124K5RAC7867	KEMET	CAP, CERM, 0.12 μ F \pm 10% 50V Ceramic Capacitor X7R 0603	0603
C24, C29	2	22pF	06035A220JAT2A	AVX	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C25, C26	2	22uF	CL31B226MPHNNNE	Samsung Electro-Mechanics	CAP, CERM, 22 μ F, 10 V, +/- 10%, X7R, 1206	1206
C28	1	1uF	UMK107BJ105KA-T	Taiyo Yuden	CAP, CERM, 1uF 50V X5R 0603	0603
C30	1	4.7uF	CGA6M3X7S2A475K200AB	TDK	CAP, CERM, 4.7 μ F, 100 V, +/- 10%, X7S, AEC-Q200 Grade 1, 1210	1210
C31, C32	2	0.047uF	CGA3E3X7S2A473K080AB	TDK	CAP, CERM, 0.047 μ F, 100 V, +/- 10%, X7S, AEC-Q200 Grade 1, 0603	0603
C33	1	0.1uF	GRM155R71E104KE14D	MuRata	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X7R, 0402	0402
C34	1	20pF	GRM1555C1E200JA01D	MuRata	CAP, CERM, 20 pF, 25 V, +/- 5%, C0G/NP0, 0402	0402
C35	1	4.7uF	C2012X7R1A475M125AC	TDK	CAP, CERM, 4.7 μ F, 10 V, +/- 20%, X7R, 0805	0805
C36, C44, C45, C77	4	22uF	CL21A226KQCLRNC	Samsung Electro-Mechanics	CAP, CERM, 22 μ F, 6.3 V, +/- 20%, X5R, 0805	0805
C37	1	1uF	GCM155C71A105KE38D	Murata Electronics North Ame	CAP, CERM, 1 μ F, 10 V, +/- 10%, X7S, 0402	0402
C38, C87, C89, C90	4	10uF	C2012X7R1A106M125AC	TDK Corporation	CAP, CERM, 10 μ F, 10 V, +/- 20%, X7R, 0805	0805
C39	1	120pF	CL05C121JB5NNNC	Samsung Electro-Mechanics	CAP, CERM, 120 pF, 50 V, +/- 1%, C0G/NP0, 0402	0402
C40	1	10uF	CL10A106MQ8NNNC	Samsung Electro-Mechanics	CAP, CERM, 10 μ F, 6.3 V, +/- 20%, X5R, 0603	0603
C41	1	22pF	CL05C220JB51PNC	Samsung Electro-Mechanics	CAP, CERM, 22 pF, 50 V, +/- 1%, C0G/NP0, 0402	0402
C42	1	470pF	GCM155R71H471KA37D	MuRata	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
C43	1	2.2uF	885012106018	Wurth Elektronik	CAP, CERM, 2.2 μ F, 16 V, +/- 20%, X5R, 0603	0603
C46, C47	2	100pF	06031A101GAT2A	AVX	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C48, C49	2	10uF	C2012X5R1E106K085AC	TDK Corporation	CAP, CERM, 10 μ F, 25 V, +/- 10%, X5R, 0805	0805
C51, C52	2	47uF	GRM188R60J476ME15D	MuRata	CAP, CERM, 47 μ F, 6.3 V, +/- 20%, X5R, 0603	0603
C53	1	4.7uF	C2012X7R1E475K125AB	TDK Corporation	CAP, CERM, 4.7 μ F, 25 V, +/- 10%, X7R, 0805	0805
C54	1	4.7uF	C2012X7R1E475K125AB	TDK Corporation	CAP, CERM, 4.7 μ F, 25 V, +/- 10%, X7R, 0805	0805
C55	1	0.01uF	08055C103JAT2A	AVX	CAP, CERM, 0.01 μ F, 50 V, +/- 5%, X7R, 0805	0805
C56	1	0.01uF	C0402C103K4PAC7867	KEMET	CAP, CERM, 0.01 μ F, 16 V, +/- 10%, X5R, 0402	0402
C57	1	1000pF	06035A102KAT2A	AVX	CAP, CERM, 1000 pF, 50 V, +/- 10%, C0G/NP0, 0603	0603
C58	1	47pF	06035A470KAT2A	AVX Corporation	CAP, CERM, 47 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603

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C59	1	10uF	CL21B106KPQNFNE	Samsung Electro-Mechanics	CAP, CERM, 10 uF, 10 V, +/- 10%, X7R, 0805	0805
C60	1	4.7uF	C2012X7R1V475K125AC	TDK	CAP, CERM, 4.7 uF, 35 V, +/- 10%, X7R, 0805	0805
C61	1	10uF	CL31B106KBHNNNE	Samsung	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1206	1206
C62	1	4.7uF	UMK316AB7475KL-T	Taiyo Yuden	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1206_190	1206_190
C63	1	330pF	CL10B331KB8NNNC	Samsung Electro-Mechanics	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0603	0603
C64	1	6.8pF	06035A6R8CAT2A	AVX	CAP, CERM, 6.8 pF, 50 V, +/- 4%, C0G/NP0, 0603	0603
C65	1	0.1uF	CL10B104KB8NNNC	Samsung Electro-Mechanics	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
C66	1	10uF	C3216X7R1V106K160AC	TDK	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, 1206	1206
C67	1	0.22uF	UMK212B7224KG-T	Taiyo Yuden	CAP, CERM, 0.22 uF, 50 V, +/- 10%, X7R, 0805	0805
C68, C69, C70, C71	4	22uF	EMK316BB7226ML-T	Taiyo Yuden	CAP, CERM, 22 uF, 16 V, +/- 20%, X7R, 1206_190	1206_190
C72	1	0.1uF	EMK107B7104KA-T	Taiyo Yuden	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0603	0603
C73	1	1uF	885012206052	Würth Elektronik	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0603	0603
C74	1	0.1uF	GMK107BJ104KAHT	Taiyo Yuden	0.1uF ±10% 35V Ceramic Capacitor X5R 0603	0603
C75	1	0.1uF	C0603C104K5RECAUTO	Kemet	CAP, CERM, 0.1uF ±10% 50V Ceramic Capacitor X7R 0603	0603
C76	1	4.7uF	C2012X5R1E475K125AB	TDK	CAP, CERM, 4.7 uF, 25 V, +/- 10%, X5R, 0805	0805
C78	1	0.1uF	C0603C104K9RAC7867	KEMET	CAP, CERM, 0.1 uF, 6.3 V, +/- 10%, X7R, 0603	0603
C79	1	0.1uF	885012206071	Würth Elektronik	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
C80	1	10uF	GMK316AB7106KL	Taiyo Yuden	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, 1206	1206
C81, C85, C88	3	47uF	CL31A476MPHNNNE	Samsung Electro-Mechanics	CAP, CERM, 47 uF, 25 V, +/- 20%, X5R, 1206	1206
C82, C83	2	22uF	CL21A226MPCLRNC	Samsung Electro-Mechanics	CAP, CERM, 22 uF, 10 V, +/- 20%, X7R, 0805	0805
C84	1	22pF	CL10C220JB8NNNC	Samsung Electro-Mechanics	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
C86	1	10uF	C2012X7R1A106M125AC	TDK Corporation	CAP, CERM, 10 uF, 10 V, +/- 20%, X7R, 0805	0805
C91, C92, C93	3	22uF	JMK212BJ226KG-T	Taiyo Yuden	CAP, CERM, 22 uF, 6.3 V, +/- 10%, X5R, 0805	0805
D1	1	40V	B340A-13-F	Diodes Inc.	Diode, Schottky, 40 V, 3 A, SMA	SMA
D2	1	30V	MBR130T1G	ON Semiconductor	Diode, Schottky, 30 V, 1 A, SOD-123	SOD-123
D3	1	Green	LG M67K-G1J2-24-Z	OSRAM	LED, Green, SMD	2x1.4mm
H1, H2, H3, H4, H9, H10, H11, H12	8		NSP-4-3-01	Essentra Components	MACHINE SCREW PAN PHILLIPS 4-40	Machine Screw, 4-40, 1/4"
H5, H6, H7, H8, H13, H14, H15, H16	8		1902E	Keystone	Standoff, Hex, 1"L #4-40 Nylon	Standoff
J1, J4	2		PBC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Gold, TH	Sullins 100mil, 1x2, 230 mil above insulator
J2, J5	2		1751248	Phoenix Contact	Conn Term Block, 2POS, 3.5mm, TH	11x8.5x7.3mm
J3	1		PEC05DAAN	Sullins Connector Solutions	Header, 100mil, 5x2, Tin, TH	Header, 5x2, 100mil, Tin
L1	1	330uH	744777233	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Metal Composite, 330uH, 0.39A, 1.15 ohm, SMD	WE-PD-M
L2	1	22uH	7447779122	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 22uH, 1.41A, 0.09 ohm, SMD	WE-PD-M
L3	1	180uH	744777218	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Metal Composite, 180uH, 0.51A, 0.68 ohm, SMD	WE-PD-M
L4	1	15uH	74408943150	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 15 uH, 1.4 A, 0.118 ohm, SMD	4.8x3.8x4.8mm
L5	1	10uH	74438357100	Würth Elektronik	Inductor, Shielded, Metal Composite, 10 uH, 2.7 A, 0.11 ohm, SMD	4.1x4.1mm
L6	1	1.5uH	74437324015	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Powdered Iron, 1.5uH, 3.8A, 0.0348 ohm, SMD	Inductor, 4.06x2x4.06mm
L7	1	1uH	744042001	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 1uH, 2.6A, 0.028 ohm, SMD	WE-TPC-M1
L8	1	6.8uH	744042006	Würth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 6.8uH, 1.2A, 0.095 ohm, SMD	WE-TPC-M1
L9	1	2.2uH	LQH5BPN2R2NT0L	MuRata	Inductor, Wirewound, Ferrite, 2.2 uH, 2.6 A, 0.036 ohm, SMD	4.9x4.9x2.2mm
L10	1	22uH	7447471220	Würth Elektronik	Inductor, Shielded Drum Core, Metal Composite, 22 uH, 3 A, 0.038 ohm, TH	11x11.5mm
L11	1	11uH	7447798111	Würth Elektronik	Inductor, Shielded, Metal Composite, 11 uH, 5.3 A, 0.014 ohm, SMD	10.2 x 6.4 x 10.2mm
L12	1	22uH	74408943220	Würth Elektronik	Inductor, Shielded Drum Core, Ferrite, 22 uH, 1.1 A, 0.185 ohm, SMD	4.8x3.8x4.8mm

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L13	1	4.7uH	ABG03A15M4R7	Coilank	Inductor, 4.7 µH, 1.12 A, 0.12 ohm, SMD	3x3mm
L14	1	3.3uH	ABG06A45M3R3	Coilank	Inductor, 3.3 µH, 3.91 A, 0.026 ohm, SMD	6x6mm
L15	1	470nH	VLS2012ET-R47N	TDK	Inductor, Shielded Drum Core, Ferrite, 470 nH, 2 A, 0.059 ohm, SMD	Inductor, 2x1.2x2mm
LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
Q1	1	30V	CSD17571Q2	Texas Instruments	MOSFET, N-CH, 30 V, 22 A, DQK0006C (WSON-6)	DQK0006C
R1	1	88.7k	CRCW040288K7FKED	Vishay-Dale	RES, 88.7 k, 1%, 0.063 W, 0402	0402
R2	1	51.1k	CRCW040251K1FKED	Vishay-Dale	RES, 51.1 k, 1%, 0.063 W, 0402	0402
R3, R36, R104	3	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
R4	1	13.0k	CRCW040213K0FKED	Vishay-Dale	RES, 13.0 k, 1%, 0.063 W, 0402	0402
R5	1	2.15	CRCW04022R15FKED	Vishay-Dale	RES, 2.15, 1%, 0.063 W, 0402	0402
R6	1	6.19k	CRCW08056K19FKEA	Vishay-Dale	RES, 6.19 k, 1%, 0.125 W, 0805	0805
R7, R14, R40, R45, R87, R94, R97, R98, R100, R101	10	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603
R8	1	510k	CRCW0603510KJNEA	Vishay-Dale	RES, 510 k, 5%, 0.1 W, 0603	0603
R9, R91	2	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, 0603	0603
R10	1	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R11	1	118k	CRCW0603118KFKEA	Vishay-Dale	RES, 118 k, 1%, 0.1 W, 0603	0603
R12, R21	2	13.3k	CRCW060313K3FKEA	Vishay-Dale	RES, 13.3 k, 1%, 0.1 W, 0603	0603
R13	1	887k	CRCW0603887KFKEA	Vishay-Dale	RES, 887 k, 1%, 0.1 W, 0603	0603
R15	1	29.4k	CRCW060329K4FKEA	Vishay-Dale	RES, 29.4 k, 1%, 0.1 W, 0603	0603
R16	1	2.00Meg	CRCW04022M00FKED	Vishay-Dale	RES, 2.00 M, 1%, 0.063 W, 0402	0402
R17	1	499k	CRCW0402499KFKEA	Vishay-Dale	RES, 499 k, 1%, 0.063 W, 0402	0402
R18	1	34.0k	CRCW060334K0FKEA	Vishay-Dale	RES, 34.0 k, 1%, 0.1 W, 0603	0603
R19	1	357k	CRCW0402357KFKEA	Vishay-Dale	RES, 357 k, 1%, 0.063 W, 0402	0402
R20	1	7.50k	CRCW06037K50FKEA	Vishay-Dale	RES, 7.50 k, 1%, 0.1 W, 0603	0603
R22	1	26.7k	CRCW060326K7FKEA	Vishay-Dale	RES, 26.7 k, 1%, 0.1 W, 0603	0603
R23	1	44.2k	CRCW060344K2FKEA	Vishay-Dale	RES, 44.2 k, 1%, 0.1 W, 0603	0603
R24	1	267k	CRCW0603267KFKEA	Vishay-Dale	RES, 267 k, 1%, 0.1 W, 0603	0603
R25, R33, R34, R35, R39	5	100k	CRCW0402100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
R26	1	294k	CRCW0402294KFKEA	Vishay-Dale	RES, 294 k, 1%, 0.063 W, 0402	0402
R27	1	34.0k	CRCW040234K0FKED	Vishay-Dale	RES, 34.0 k, 1%, 0.063 W, 0402	0402
R28	1	402k	CRCW0603402KFKEA	Vishay-Dale	RES, 402 k, 1%, 0.1 W, 0603	0603
R29	1	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
R30	1	133k	CRCW0603133KFKEA	Vishay-Dale	RES, 133 k, 1%, 0.1 W, 0603	0603
R31	1	102k	CRCW0603102KFKEA	Vishay-Dale	RES, 102 k, 1%, 0.1 W, 0603	0603
R32	1	25.5k	CRCW060325K5FKEA	Vishay-Dale	RES, 25.5 k, 1%, 0.1 W, 0603	0603
R37	1	24.9k	CRCW040224K9FKED	Vishay-Dale	RES, 24.9 k, 1%, 0.063 W, 0402	0402
R38	1	150k	ERJ-2RKF1503X	Panasonic	RES, 150 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
R41	1	64.9k	RC0603FR-0764K9L	Yageo America	RES, 64.9 k, 1%, 0.1 W, 0603	0603
R42	1	38.3k	RC0603FR-0738K3L	Yageo America	RES, 38.3 k, 1%, 0.1 W, 0603	0603
R43	1	4.22k	CRCW06034K22FKEA	Vishay-Dale	RES, 4.22 k, 1%, 0.1 W, 0603	0603
R44	1	4.02k	CRCW06034K02FKEA	Vishay-Dale	RES, 4.02 k, 1%, 0.1 W, 0603	0603
R46	1	332k	CRCW0603332KFKEA	Vishay-Dale	RES, 332 k, 1%, 0.1 W, 0603	0603
R47	1	10.2k	CRCW060310K2FKEA	Vishay-Dale	RES, 10.2 k, 1%, 0.1 W, 0603	0603
R48	1	68.1k	RC0603FR-0768K1L	Yageo America	RES, 68.1 k, 1%, 0.1 W, 0603	0603
R49	1	3.24k	CRCW06033K24FKEA	Vishay-Dale	RES, 3.24 k, 1%, 0.1 W, 0603	0603
R50	1	29.4k	RC0603FR-0729K4L	Yageo America	RES, 29.4 k, 1%, 0.1 W, 0603	0603

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R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R63, R68, R82, R85, R86, R93, R96, R105	19	0	5108	Keystone	RES, 0, 1%, 0.5 W, 1206	1206
R62	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
R64, R67, R69, R75, R76	5	100k	ERA-3AEB104V	Panasonic	RES, 100 k, 0.1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R65	1	475k	RR1220P-4753-D-M	Susumu Co Ltd	RES, 475 k, 0.5%, 0.1 W, 0805	0805
R66	1	453k	RC0603FR-07453KL	Yageo America	RES, 453 k, 1%, 0.1 W, 0603	0603
R70	1	182k	RT0805BRD07182KL	Yageo America	RES, 182 k, 0.1%, 0.125 W, 0805	0805
R71, R72, R74, R79	4	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R73	1	10.0k	RG1608P-103-B-T5	Susumu Co Ltd	RES, 10.0 k, 0.1%, 0.1 W, 0603	0603
R77	1	24.9k	RT0603BRD0724K9L	Yageo America	RES, 24.9 k, 0.1%, 0.1 W, 0603	0603
R78, R80	2	300	CRCW0603300RJNEA	Vishay-Dale	RES, 300, 5%, 0.1 W, 0603	0603
R81	1	47.0k	RG1608P-473-B-T5	Susumu Co Ltd	RES, 47.0 k, 0.1%, 0.1 W, 0603	0603
R83	1	61.9k	CRCW060361K9FKEA	Vishay-Dale	RES, 61.9 k, 1%, 0.1 W, 0603	0603
R84	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, 0603	0603
R88	1	80.6k	CRCW060380K6FKEA	Vishay-Dale	RES, 80.6 k, 1%, 0.1 W, 0603	0603
R89	1	33.2k	CRCW060333K2FKEA	Vishay-Dale	RES, 33.2 k, 1%, 0.1 W, 0603	0603
R90	1	51	CRCW060351R0JNEA	Vishay-Dale	RES, 51, 5%, 0.1 W, 0603	0603
R92	1	10.0k	RCG060310K0FKEA	Vishay Draloric	RES, 10.0 k, 1%, 0.1 W, 0603	0603
R106	1	487k	CRCW0402487KFKED	Vishay-Dale	RES, 487 k, 1%, 0.063 W, 0402	0402
R107	1	1.00Meg	RC0402FR-071ML	Yageo America	RES, 1.00 M, 1%, 0.063 W, 0402	0402
R108	1	162k	RC0603FR-07162KL	Yageo America	RES, 162 k, 1%, 0.1 W, 0603	0603
S1	1		PTS820 J20M SMTR LFS	C&K Components	Switch, SPST-NO, Off-Mom, 0.05A, 12VDC, SMD	3.9x2.9mm
TP1, TP3, TP7, TP9, TP10, TP13, TP15, TP20, TP22, TP24, TP29, TP33, TP43, TP44, TP46, TP48, TP49, TP51	18		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
TP2, TP5, TP8, TP11, TP12, TP16, TP18, TP21, TP23, TP25, TP31, TP34, TP37, TP39, TP45, TP47, TP50	17		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
TP4, TP6, TP14, TP17, TP19, TP27, TP28, TP30, TP32, TP35, TP36, TP38, TP40, TP42	14		5002	Keystone	Test Point, Miniature, White, TH	White Miniature Testpoint
TP26, TP41	2	Red	5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U1	1		LM5017MRX/NOPB	Texas Instruments	100V, 600mA Constant On-Time Synchronous Buck Regulator, DDA0008B	DDA0008B
U2	1		TPS54202DDCR	Texas Instruments	4.5-V TO 28-V INPUT, 2-A OUTPUT, EMI FRIENDLY SYNCHRONOUS STEP-DOWN CONVERTOR, DDC0006A	DDC0006A
U3, U7	2		TVS3300DRVR	Texas Instruments	33-V Precision Surge Protection Clamp, DRV0006A (WSON-6)	DRV0006A
U4	1		TPS26624DRCR	Texas Instruments	7V - 57V, 800mA Industrial eFuse with Integrated Reverse Polarity Protection, DRC0010J (VSON-10)	DRC0010J
U5	1		TVS2700DRVR	Texas Instruments	27-V Precision Surge Protection Clamp, DRV0006A (WSON-6)	DRV0006A
U6	1		LM5165DRCR	Texas Instruments	3.0-V to 65-V Input, 150-mA Output, Ultra-Low Quiescent (ULQ) Synchronous Step-Down Voltage Regulator, DRC0010J	DRC0010J
U8	1		TPS560430XFBVR	Texas Instruments	4V to 36 V 0.6 A Synchronous Step-Down Converter, DBV0006A (SOT-23-6)	DBV0006A
U9	1		LMR36006BRNXR	Texas Instruments	65-V 0.6-A Synchronous Step-Down Converter, RNX0012B (VQFN-HR-12)	RNX0012B
U10	1		TPS62821DLC	Texas Instruments	2.5-V to 5.5-V, 1-, 2-, 3-A Step-Down Converter with DCS-Control, DLC0008A (SON-HR-8)	DLC0008A
U11	1		TLV62080DSGR	Texas Instruments	1.2A High Efficient Step Down Converter in 2x2mm SON Package, DSG0008A (WSON-8)	DSG0008A
U12	1		TPS73801DCQR	Texas Instruments	Single Output Fast Transient Response LDO, 1 A, Adjustable 1.2 to 20 V Output, 2.2 to 20 V Input, 6-pin SOT-223 (DCQ), -40 to 125 degC, Green (RoHS & no Sb/Br)	DCQ0006A
U13	1		TPS54331D	Texas Instruments	Buck Step Down Regulator with 3.5 to 28 V Input and 0.8 to 25 V Output, -40 to 150 degC, 8-Pin SOIC (D), Green (RoHS & no Sb/Br)	D0008A
U14	1		TLV62569PDRL	Texas Instruments	2-A High Efficiency Step-Down Converter in SOT Package, DRL0006A (SOT-6)	DRL0006A
U15	1		LM2735XSD/NOPB	Texas Instruments	520kHz/1.6MHz - Space-Efficient Boost and SEPIC DC-DC Regulator, 6-pin LLP, Pb-Free	NGG0006A
U16	1		LMR33630ARNXR	Texas Instruments	3.8-V to 36-V 2-A Synchronous Step-Down Voltage Regulator, RNX0012B (VQFN-HR-12)	RNX0012B
U17	1		SN74LVC1G17DCKR	Texas Instruments	SINGLE SCHMITT-TRIGGER BUFFER, DCK0005A (SOT-SC70-5)	DCK0005A
U18	1		SN74LVC1G07DCKR	Texas Instruments	Single Buffer/Driver With Open-Drain Output, DCK0005A, LARGE T&R	DCK0005A
U19	1	TPS560200D	TPS560200DBVR	Texas Instruments	4.5V to 18V Input, 500mA Synchronous Step Down SWIFT Converter with Advanced Eco-mode, DBV0005A	DBV0005A
U20	1		TPS561201DDCR	Texas Instruments	4.5-V to 17-V Input, 2-A Synchronous Step-Down Voltage Regulator, DDC0006A (SOT-23-T-6)	DDC0006A
U21	1		TPS826721SIPR	Texas Instruments	600mA Fully Integrated, Low Noise Step-Down Converter Module in MicroSiP(TM) Package, SIP0008A (uSIP-8)	SIP0008A
U22	1		TPS82740ASIPR	Texas Instruments	200-mA Step Down Converter MicroSiP Module with 360nA quiescent current, SIP0009F (uSIP-9)	SIP0009F
U23	1		TLV62084DSGR	Texas Instruments	2A High Efficient Step Down Converter in 2x2mm SON Package, TLV62084, DSG0008A (WSON-8)	DSG0008A
FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
R95, R99, R102, R103	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, 0603	0603