Variant: 002_1000baseT1
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TID #: TIDA-011055

TIDA-011055 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-011055	Any	Printed Circuit Board	
2	C1	1	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
3	C2	1	18pF	C1005C0G1H180J050BA	TDK	CAP, CERM, 18 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
4	C3	1	4.7uF	C3225X7S2A475K200AE	TDK	CAP, CERM, 4.7 uF, 100 V, +/- 10%, X7S, 1210	1210
5	C4	1	0.1uF	C1608X7S2A104K080AB	TDK	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7S, 0603	0603
6	C5, C6	2	15uF	C2012X6S1C156M125AC	TDK	CAP, CERM, 15 uF, 16 V, +/- 20%, X6S, 0805	0805
7	C7, C8, C106, C107, C113, C127, C128, C129, C135, C136, C244, C249, C252, C255	14	0.1uF	GRM155R71E104KE14D	MuRata	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0402	0402
8	C9, C10, C18	3	4.7uF	JMK107BB7475MA-T	Taiyo Yuden	CAP, CERM, 4.7 uF, 6.3 V, +/- 10%, X7R, 0603	0603
9	C11, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C50, C51	15	1µF	GRM033C80J105ME05D	Murata	Chip Multilayer Ceramic Capacitors for General Purpose, 0201, 1.0uF, X6S, 22%, 20%, 6.3V	0201
10	C12, C19, C21, C23, C29	5	0.1uF	CGA2B3X7R1H104M050BB	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 20%, X7R, AEC-Q200 Grade 1, 0402	0402
11	C13, C14, C17	3		JMK107BC6226MA-T	Taiyo Yuden	22µF ±20% 6.3V Ceramic Capacitor X6S 0603 (1608 Metric)	0603
12	C15	1	330pF	GRM155R71H331KA01D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0402	0402
13	C16	1	1000pF	GCM155R71H102KA37D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
14	C20, C22, C24	3	0.033uF	GRM155R71E333KA88D	MuRata	CAP, CERM, 0.033 uF, 25 V, +/- 10%, X7R, 0402	0402
15	C25, C177, C178, C179, C180, C181, C182, C183, C184, C185, C186, C187, C188, C189, C190, C191, C192	17		GRM32EC72A106KE05L	Murata	10µF ±10% 100V Ceramic Capacitor X7S 1210 (3225 Metric)	1210
16	C26, C28, C46, C47, C48, C49, C53, C54, C58, C59, C60, C61, C62, C63, C64, C65, C68, C69, C70, C72, C73, C74, C75, C76, C77, C78, C79, C81, C82, C84, C86, C87, C89, C90, C91, C92, C93, C94, C97, C98, C99, C100, C101, C102, C116, C117, C118, C119, C120, C131, C133, C138, C140, C145, C146, C148, C149, C155, C163, C164, C165, C166, C175, C256, C257	65	0.1uF	GRM033Z71C104KE14D	MuRata	CAP, CERM, 0.1 uF, 16 V,+/- 10%, X7R, 0201	0201
17	C27, C147, C150, C152, C154, C160, C168, C170, C172, C176	10	0.01uF	GRM033R71E103KE14D	MuRata	CAP, CERM, 0.01 µF, 25 V,+/- 10%, X7R, 0201	0201
18	C30, C151, C153, C158, C161, C162, C167, C169, C245	9	2.2uF	C1005X5R1V225K050BC	TDK	CAP, CERM, 2.2 uF, 35 V, +/- 10%, X5R, 0402	0402
19	C31, C32, C33, C52, C55, C56, C57, C66, C67, C71, C80, C83, C85, C95, C96, C104, C105	17	3.3µF	CL10A335KP8NNNC	Samsung	Cap Ceramic 3.3uF 10V X5R ±10% Pad SMD 0603 +85°C T/R	0603
20	C88, C103, C132, C139	4	4.7uF	GRM188Z71A475ME15D	MuRata	CAP, CERM, 4.7 uF, 10 V, +/- 20%, X7R, 0603	0603
21	C108, C112, C114, C124, C126, C141	6	0.1uF	885012105016	Wurth Elektronik	CAP, CERM, 0.1 uF, 16 V, +/- 20%, X5R, 0402	0402
22	C109	1	0.01uF	GRM155R71H103KA88D	MuRata	CAP, CERM, 0.01 uF, 50 V, +/- 10%, X7R, 0402	0402
23	C111, C134	2	1uF	885012105012	Wurth Elektronik	CAP, CERM, 1 uF, 10 V,+/- 20%, X5R, 0402	0402
24	C115	1	10µF	KGM05CR51A106MH	KYOCERA AVX	10 µF ±20% 10V Ceramic Capacitor X5R 0402 (1005 Metric)	0402
25	C121, C122, C123, C207, C208, C209, C210, C218, C219	9	47pF	GRM0335C1E470JA01D	MuRata	CAP, CERM, 47 pF, 25 V, +/- 5%, C0G/NP0, 0201	0201
26	C125	1	1uF	GRM155R61E105MA12D	MuRata	CAP, CERM, 1 µF, 25 V,+/- 20%, X5R, 0402	0402
27	C130, C137	2	1uF	GRM033R61A105ME15D	MuRata	CAP, CERM, 1 uF, 10 V,+/- 20%, X5R, 0201	0201
28	C142, C143	2	330pF	GRM1555C1H331JA01D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
29	C144, C171, C246	3	0.1uF	885012205037	Wurth Elektronik	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
30	C157, C174	2	1000pF	C1206C102KGRACAUTO	Kemet	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
31	C159	1	2.2nF	1206Y2K00222KET	Knowles Syfer	2200pF ±10% 2000V (2kV) Ceramic Capacitor X7R (2R1) 1206 (3216 Metric)	1206
32	C193, C199, C211	3	10uF	GRM188C81C106MA73D	MuRata	CAP, CERM, 10 µF, 16 V,+/- 20%, X6S, 0603	0603
33	C194, C200, C212, C220, C222, C228, C230, C235, C237	9	0.1uF	0201BB104KW160	Passive Plus	CAP, CERM, 0.1 µF, 16 V,+/- 10%, X7R, 0201	0201
34	C195, C196, C197, C198, C201, C202, C203, C204, C213, C214, C215, C216	12	1000pF	C1608C0G2A102J080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
35	C205, C206, C217	3	4.7uF	GRM155D81C475ME15D	MuRata	CAP, CERM, 4.7 uF, 16 V, +/- 20%, X6T, 0402	0402
36	C221, C229, C236	3	2.2uF	GRM033R61A225KE47D	MuRata	CAP, CERM, 2.2 µF, 10 V,+/- 10%, X5R, 0201	0201
37	C223, C231, C238	3	10nF	EMK063B7103KP-F	Taiyo Yuden	Ceramic Capacitor General Use 0.01uF ±10% 16V X7R 0201	0201
38	C227	1	0.033uF	GRM033R60J333KE01D	MuRata	CAP, CERM, 0.033 uF, 6.3 V, +/- 10%, X5R, 0201	0201
39	C242, C243, C247, C248, C250, C251, C253, C254	8	330pF	GRM033R71H331KA12D	MuRata	CAP, CERM, 330 pF, 50 V, +/- 10%, X7R, 0201	0201
40	D1	1	Green	150060GS75000	Wurth Elektronik	LED, Green, SMD	LED_0603
41	D2, D4, D5	3	Green	150060VS75000	Wurth Elektronik	LED, Green, SMD	LED_0603
42	D6, D7	2	Bright Green	150080VS75000	Wurth Elektronik	LED, Bright Green, SMD	LED_0805
43	D8	1		150040RS73220	Wurth	Red 624nm LED Indication - Discrete 2V 0402 (1005 Metric)	0402
44	D9	1	60V	PMEG60T30ELRX	Nexperia	Diode, Schottky, 60 V, 3 A, AEC-Q101, SOD-123W	SOD-123W
45	FB1, FB2, FB3, FB4	4		BLM18EG121SN1D	Murata	120 Ohms @ 100MHz 1 Ferrite Bead 0603 (1608 Metric) 2A 40mOhm	0603
46	J1	1		GRPB061VWVN-RC	Sullins Connector Solutions	Header, 50mil, 6x1, Gold, TH	Header, 6x1, TH
47	J2	1		GRPB031VWVN-RC	Sullins Connector Solutions	Header, 50mil, 3x1, Gold, TH	Header, 3x1, 50mil, TH
48	J3	1		GRPB021VWVN-RC	Sullins Connector Solutions	Header, 50mil, 2x1, Gold, TH	2x1 Header
49	J4, J5	2		BM02B-GHS-TBT(LF)(SN)	JST	Connector Header Surface Mount 2 position 0.049" (1.25mm)	HDR2
50	J6, J7	2		BM06B-GHS-TBT	JST	Connector Header Surface Mount 6 position 0.049" (1.25mm)	HDR6
51	L1	1	22uH	744393305220	Wurth	22 µH Shielded Molded Inductor 3.5 A 90mOhm Max Nonstandard	SMT_IND_5MM35_5MM55
52	L5	1	75 ohm	7427927170	Wurth Elektronik	Ferrite Bead, 75 ohm @ 100 MHz, 0.3 A, 0402	0402
53	L6, L7, L9, L10, L11, L13, L14	7	70 ohm	7427927370	Wurth Elektronik	Ferrite Bead, 70 ohm @ 100 MHz, 1.2 A, 0402	0402
54	L8, L12	2		744232222	Wurth	2 Line Common Mode Choke Surface Mount 200mA DCR 1.2Ohm	SMT4_3MM2_1MM6
55	Q1, Q2	2	12V	CSD13383F4	Texas Instruments	MOSFET, N-CH, 12 V, 2.9 A, YJC0003A (PICOSTAR-3)	YJC0003A
56	R1, R139, R161, R235	4	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
57	R2	1	0	PMR03EZPJ000	Rohm	RES, 0, 0%, 0.25 W, AEC-Q200 Grade 0, 0603	0603
58	R3, R19, R232, R233, R234	5	10.0k	AC0402FR-0710KL	Yageo America	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
59	R4	1	40.2k	CRCW040240K2FKED	Vishay-Dale	RES, 40.2 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
60	R5	1	42.2k	CRCW060342K2FKEA	Vishay-Dale	RES, 42.2 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
61	R6, R12, R26, R75, R76, R96, R97	7	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
62	R8, R10, R51, R57, R59, R66, R67, R70, R72, R74, R82, R91, R130, R149, R150	15	0	ERJ-1GE0R00C	Panasonic	RES, 0, 5%, 0.05 W, AEC-Q200 Grade 1, 0201	0201
63	R9, R11	2	47.0k	RC0402FR-0747KL	Yageo America	RES, 47.0 k, 1%, 0.0625 W, 0402	0402
64	R13	1	162k	RC0201FR-7D162KL	Yageo America	RES, 162 k, 1%, 0.05 W, 0201	0201
65	R14, R16, R17, R227	4	649	CRCW0402649RFKED	Vishay-Dale	RES, 649, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
66	R15	1	13.0k	RC0201DR-0713KL	Yageo America	RES, 13.0 k, 0.5%, 0.05 W, 0201	0201
67	R18	1	5.23k	CRCW04025K23FKED	Vishay-Dale	RES, 5.23 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
68	R20, R21	2	4.7k	CRCW04024K70JNED	Vishay-Dale	RES, 4.7 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
69	R22, R25, R28, R29, R30, R31, R32, R37, R39, R40, R41, R42, R43, R44, R45, R47, R61, R64, R100, R101, R102, R103	22	10.0k	ERJ-2RKF1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	0402
70	R23	1	4.70k	CRG0402F4K7	TE Connectivity	RES, 4.70 k, 1%, 0.063 W, 0402	0402
71	R24, R27, R38	3	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
72	R33, R34, R35, R36, R52, R54, R62, R65, R73, R79, R80, R81, R83, R84, R85, R86, R87, R88, R89, R90, R92, R93, R94, R95, R98, R99, R123, R124, R125, R126, R127, R128, R142, R144, R145, R146, R147, R148, R203, R216	40	22	ERJ-1GNJ220C	Panasonic	RES, 22, 5%, 0.05 W, AEC-Q200 Grade 1, 0201	0201
73	R46, R48, R49	3	22	CRCW040222R0JNED	Vishay-Dale	RES, 22, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
74	R50, R53, R56, R68	4	100k	RMCF0402FT100K	Stackpole Electronics Inc	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
75	R55, R58, R60, R63, R69	5		CRCW020122R0FNED	Vishay	RES Thick Film SMD 22Ω 1% 1/20W 0201 200ppm/°C	0201 (0603 metric)
76	R71, R138, R160	3	4.7k	CRCW04024K70JNED	Vishay-Dale	RES, 4.7 k, 5%, 0.063 W, 0402	0402
77	R104, R105, R106, R107	4	1.0k	ERJ-2GEJ102X	Panasonic	RES, 1.0 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0402	0402
78	R108, R164	2	0	RC0603FR-100RL	Yageo	0 Ohms Jumper Chip Resistor 0603 (1608 Metric) Moisture Resistant Thick Film	0603
79	R110, R179, R201, R206, R207, R208, R209, R210, R211, R214, R219, R220, R221, R222, R223, R224	16	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
80	R112, R115	2	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
81	R116, R118, R120	3	40.2	CRCW040240R2FKED	Vishay-Dale	RES, 40.2, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
82	R117, R119	2	100	CRCW0402100RJNED	Vishay-Dale	RES, 100, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
83	R121, R141	2	0	CRCW04020000Z0EDHP	Vishay-Dale	RES, 0, 0%, 0.2 W, AEC-Q200 Grade 0, 0402	0402
84	R122, R143	2	100	RC0402FR-07100RL	Yageo America	RES, 100, 1%, 0.063 W, 0402	0402
85	R129	1	1.00Meg	HVCB2010FKC1M00	Stackpole Electronics Inc	RES, 1.00 M, 1%, 1 W, 2010	2010
86	R133, R134, R151, R154, R155	5	2.49k	CRCW04022K49FKED	Vishay-Dale	RES, 2.49 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
87	R135, R136, R137, R158, R177, R178, R186	7	4.70k	RC0201FR-7D4K7L	Yageo America	RES, 4.70 k, 1%, 0.05 W, 0201	0201
88	R152	1	4.53k	CRCW04024K53FKED	Vishay-Dale	RES, 4.53 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
89	R162, R191, R229	3	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
90	R163	1	36.0k	RC0201FR-0736KL	Yageo America	RES, 36.0 k, 1%, 0.05 W, 0201	0201
91	R165, R168, R169, R173, R180, R182, R184, R185	8	8.06k	RC0201FR-078K06L	Yageo America	RES, 8.06 k, 1%, 0.05 W, 0201	0201
92	R166, R170, R171, R174, R181, R183	6	20	CRCW020120R0FNED	Vishay-Dale	RES, 20.0, 1%, 0.05 W, 0201	0201
93	R167, R172, R175, R176	4	8.06k	CRCW04028K06FKED	Vishay-Dale	RES, 8.06 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
94	R187, R193, R197	3	1m	ULRG32512R001FLFSLT	TT Electronics	Res Metal Strip 2512 0.001 Ohm 1% 3W ±50ppm/C Pad SMD Automotive T/R	2512
95	R188, R194, R198	3	50	FC0402E50R0BST1	Vishay-Dale	RES, 50, 0.1%, 0.05 W, 0402	0402
96	R189, R190, R195, R196, R199, R200	6	10	RC0201FR-7D10RL	Yageo America	RES, 10.0, 1%, 0.05 W, 0201	0201
97	R192	1	4.22k	CRCW04024K22FKED	Vishay-Dale	RES, 4.22 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
98	R202, R205, R212, R213, R215, R218, R225, R226	8	10	RK73H1ETTP10R0F	KOA Speer	RES, 10.0, 1%, 0.063 W, 0402	0402
99	R204, R217	2	120	RC0603FR-07120RL	Yageo	RES, 120, 1%, 0.1 W, 0603	0603
100	R230	1	12.0k	RC0201FR-7D12KL	Yageo America	RES, 12.0 k, 1%, 0.05 W, 0201	0201
101	R231	1	80.6k	CRCW040280K6FKEDC	Vishay Dale	80.6 kOhms ±1% 0.063W, 1/16W Chip Resistor 0402 (1005 Metric) Thick Film	0402
102	RT1	1	10k	TMP6131DYAT	Texas Instruments	±1% tolerance 10kΩ linear thermistor available in 0402 and 0603 package options 2-SOT-5X3 -40 to 125	SOD-523
103	SW1	1		434351045816	Wurth Electronics	Tactile Switch SPST-NO Side Actuated Surface Mount, Right Angle	SMT_SW_4MM7_4MM5
104	T1, T3	2		74930000	Wurth Electronics	350µH Pulse Transformer 1:1 Surface Mount	SMT_4MM7_3MM22
105	TP2	1		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
106	TP4, TP45, TP46	3		5001	Keystone Electronics	Test Point, Miniature, Black, TH	Black Miniature Testpoint
107	U1	1		LMR38020FSDDAR	Texas Instruments	SIMPLE SWITCHER 4.2-V to 80-V, 2-A Synchronous Buck Converter	HSOIC8
108	U2, U4, U6	3		SN74LVC1G08DBVR	Texas Instruments	Single 2-Input Positive-AND Gate, DBV0005A, LARGE T&R	DBV0005A
109	U3	1		TLV7021DCKR	Texas Instruments	Small-Size Micropower Low-Voltage Comparator, DCK0005A (SOT-SC70-5)	DCK0005A
110	U5	1		AM2612AOFFHIZNCR	Texas Instruments	Sitara Microcontrollers	NFBGA293
111	U7	1		AT24C256C-MAHL-T	Atmel	I2C-Compatible (2-Wire) Serial EEPROM 256 kb, 8UDFN	UDFN-8
112	U8	1		LMK1C1104DQF	Texas Instruments	3.3-V and 2.5-V LVCMOS High-Performance Clock Buffer Family, DQF0008A (WSON-8)	DQF0008A
113	U9	1		SN74LVC2G17DSF2	Texas Instruments	Dual Schmitt-Trigger Buffer, DSF0006A, LARGE T&R	DSF0006A
114	U10	1		SN74LV1T34DCKR	Texas Instruments	Single Power Supply BUFFER Logic Level Shifter (no enable), DCK0005A (SOT-SC70-5)	DCK0005A
115	U11	1		IS25LP016D-JULE-TR	ISSI	FLASH - NOR Memory IC 16Mbit SPI, QPI 133 MHz 7 ns 8-USON (2x3)	USON8
116	U12, U13	2		SN74LVC1G08DRYR	Texas Instruments	Single 2-Input Positive-AND Gate, DRY0006A (USON-6)	DRY0006A
117	U14	1		SN74AHC1G125DBVR	Texas Instruments	Single Bus Buffer Gate with 3-State Output, DBV0005A (SOT-23-5)	DBV0005A
118	U15	1		TMUX1574RSVR	Texas Instruments	Low-capacitance, 2:1 (SPDT) 4-channel, powered-off protection switch with 1.8 V logic, RSV0016A (UQFN-16)	RSV0016A
119	U17, U19	2		TXU0304DTR	Texas Instruments	4-Bit Fixed Direction Voltage-Level Translator with SchmittTrigger Inputs, and Tri-State Outputs	X2QFN12
120	U20	1		SN74LVC1G17QDCKRQ1	Texas Instruments	Automotive Catalog Single Schmitt-Trigger Buffer, DCK0005A, LARGE T&R	DCK0005A
121	U21, U23	2		DP83TG721S-Q1	Texas Instruments	Precision Time and Secure 1000BASE-T1 Automotive Ethernet PHY with TC-10	VQFN36
122	U25, U26, U27	3		DRV7167AVBNR	Texas Instruments	DRV7167AVBNR	VQFN-FCRLF18
123	U28, U29, U30	3		AMC0106M05DENR	Texas Instruments	±50 mV Input Functionally Isolated Delta-Sigma Modulator for Current Sensing, VSON8	VSON8
124	U31, U32, U33, U34	4		SN65HVD75DRBR	Texas Instruments	3.3 V Supply RS-485 with IEC ESD Protection, 20 Mbps, -40 to 125 degC, 8-Pin SON, RoHS, Tape and Reel	DRB0008B
125	U35	1		TPS389C0300CRTERQ1	Texas Instruments	Multichannel Overvoltage and Undervoltage I2C Programmable Voltage Supervisor and Monitor with Q&A Watchdog	WQFN16
126	U36, U37	2		TPSM82823ASILR	Texas Instruments	1-A, 2-A, and 3-A High Efficiency Step-Down Converter MicroSiP™ Power Module with Integrated Inductor	uSIL10
127	U38	1		TPSM828222SILR	Texas Instruments	Step-Down Converter, Adjustable, 0.6-4V 2A, uSIP10	uSIL10
128	U39	1		TPS3703A4330DSERQ1	Texas Instruments	Overvoltage and Undervoltage Reset IC With Time Delay and Manual Reset, DSE0006A (WSON-6)	DSE0006A
129	U40	1		TPS3703A4180DSERQ1	Texas Instruments	Automotive high-accuracy window supervisor with reset time delay	WSON6
130	U41	1		TPS3703A4120DSERQ1	Texas Instruments	Automotive High-Accuracy Window Supervisor With Reset Time Delay and Manual Reset, DSE0006A (WSON-6)	DSE0006A
131	U42	1		TLV75511PDQNR	Texas Instruments	LDO Regulator Pos 1.1V 0.5A 4-Pin X2SON EP T/R	X2SON4
132	Y1	1		PLMK6CE02500CDLFT	Texas Instruments	High-Performance BAW Oscillator	VSON4
133	C110	0	12pF	GJM1555C1H120JB01D	Murata	Multi-Layer Ceramic Capacitor 12pF C0G ±5% 0402 Paper T/R	0402
134	C156, C173	0	22pF	GRM0335C1E220FA01D	Murata	Chip Multilayer Ceramic Capacitors for General Purpose, 0201, 22pF, C0G, 30ppm/°C, 1%, 25V	0201
135	C224, C232, C239	0	33pF	GRM0335C1H330JA01D	MuRata	CAP, CERM, 33 pF, 50 V, +/- 5%, C0G/NP0, 0201	0201
136	C225, C226, C233, C234, C240, C241	0	1000pF	GRM033R71C102KA01D	MuRata	CAP, CERM, 1000 pF, 16 V, +/- 10%, X7R, 0201	0201
137	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
138	R7, R228	0	0	ERJ-1GE0R00C	Panasonic	RES, 0, 5%, 0.05 W, AEC-Q200 Grade 1, 0201	0201
139	R77, R78	0	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
140	R109, R113	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
141	R111, R114	0	47.0k	RC0402FR-0747KL	Yageo America	RES, 47.0 k, 1%, 0.0625 W, 0402	0402
142	R131, R132, R153	0	2.49k	CRCW04022K49FKED	Vishay-Dale	RES, 2.49 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	0402
143	R140, R159	0	4.70k	RC0201FR-7D4K7L	Yageo America	RES, 4.70 k, 1%, 0.05 W, 0201	0201
144	U16	0		TPS22948DCKT	Texas Instruments	0.3A, Current Limited Load Switch with Reverse Current Blocking, DCK0006A (SOT-SC70-6)	DCK0006A
145	U18	0		TPS22919DCKT	Texas Instruments	5.5-V, 1.5-A, 100-mohm Load Switch with Output Discharge, DCK0006A (SOT-SC70-6)	DCK0006A