

# Bill of Materials

TI DESIGNS

TIDEP0081

Item	Qty	Reference	Part Description	Manufacturer	Manufacturer Part Number	PCB Footprint
1	1	Y1		Fox Electronics	FOX9248-25.000	
2	2	U23, U24	Buck Step Down Regulator with 4.5 to 17 V Input and 0.8 to 15 V Output, -40 to 150 degC, 14-Pin VQFN (RGV), Green (RoHS & no Sb/Br)	Texas Instruments	TP54620RGYR	RHL0014A
3	2	U20, U21	4.5V TO 18V INPUT FLEXIBLE POWER MANAGEMENT UNIT WITH PMBus/ I2C AND INTEGRATED SEQUENCING, RGZ0048G	Texas Instruments	TP56400RGZ	RGZ0048G
4	1	U19	18V, 20A PMBUS SYNCHRONOUS BUCK CONVERTERS, RVF004DA	Texas Instruments	TP54482RVF	RVF0040A
5	1	U18	Dual Bi-Directional I2C-Bus and SMBus Voltage Level-Translator, 0 to 5.5 V, -40 to 85 degC, 8-pin SM8 (DCT), Green (RoHS & no Sb/Br)	Texas Instruments	PCA9306DCTR	DCT0008A
6	1	U16	High Stability Standard TCXO	Rakon	IT2100F	eg_0603, used in PnP report
7	1	U15	Low-Noise Clock Jitter Cleaner with Dual Loop PLLs, NKD0064A	Texas Instruments	LMK04828BISQ/NOPB	NKD0064A
8	1	U14	DAC3J84 Quad-Channel, 16-Bit, 1.6/2.5 GSPS, Digital-to-Analog Converters with 12.5 Gbps JESD204B Interface	Used in BOM report	DAC3J84	eg_0603, used in PnP report
9	1	U12	16Gbit, x8, 1.8V NAND Flash Memory	Micron	MT29F16G08ADBCHA4C	VBGA63
10	1	U11	SINGLE BUFFER/DRIVER WITH OPEN-DRAIN OUTPUT, DBV0005A	Texas Instruments	SN74LVC1G07DBVR	DBV0005A
11	1	U10	Ultra-small, Low On Resistance Load Switch with Controlled Turn-on, YZV0004ADAD	Texas Instruments	TPS22913BYZVR	YZV0004ADAD
12	1	U9	Current-Limited, Power-Distribution Switches, DBV0005A	Texas Instruments	TPS2065CDBVR	DBV0005A
13	1	U8	TVS DIODE 5VWM 7VC 14UDFN	Littlefuse Inc.	SP3012-06UTG	14-UFDN
14	5	U3, U4, U5, U6, U7	4Gb DDR3-1600 SDRAM, 256Mb x 16, 1.2Vns, 1.35V, 0 to 95 degC, 96-Ball FBGA, Pb-Free	Micron	MT41K256M16HA-125	MICT-HA-96
15	1	U2	OCTAL BUFFER/DRIVER WITH 3-STATE OUTPUTS, PW0020A	Texas Instruments	SN74LVC244APW	PW0020A
16	4	T6, T8, T10, T12	Transformer, SMT	MACOM	MABA-007871-CT1A40	4.21x4.22mm
17	4	T5, T7, T9, T11	RF Transformer, SMT	Minicircuits	JTX-2-10T+	7.11x5.72x7.87mm
18	4	T1, T2, T3, T4	Transformer, SMT	MACOM	ETCL-1-13TR	3.94x3.83mm
19	2	Status1, Status2	LED, Green, SMD	Lite-On	LTST-C190GKT	1.6x0.8x0.8mm
20	1	R402	RES, 1.27 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04021K27FKED	0402
21	1	R398	RES, 52.3 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402523KFKED	0402
22	1	R395	RES, 845, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402845RFKED	0402
23	2	R394, R401	RES, 53.6 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402536KFKED	0402
24	4	R393, R396, R400, R403	RES, 10.0 k, 0.5%, 0.063 W, 0402	Vishay-Dale	CRCW040210K0HEDP	0402
25	2	R392, R399	RES, 37.4 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402374KFKED	0402
26	1	R391	RES, 30.9 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402309KFKED	0402
27	2	R390, R397	RES, 105 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402105KFKED	0402
28	2	R388, R389	RES, 4.99 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04024K99FKED	0402
29	1	R380	RES, 15.0 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040215K0FKED	0402
30	1	R378	RES, 7.32 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04027K32FKED	0402
31	1	R377	RES, 22 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040222K0INED	0402
32	1	R376	RES, 4.87 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04024K87FKED	0402
33	1	R375	RES, 13 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040213K0INED	0402
34	1	R374	RES, 5.62 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04025K62FKED	0402
35	1	R373	RES, 1.65 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04021K65FKED	0402
36	1	R371	RES, 24 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040224K0INED	0402
37	1	R365	RES, 10.5 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040210K5FKED	0402
38	2	R363, R379	RES, 16 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040216K0INED	0402
39	1	R362	RES, 11.0 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040211K0FKED	0402
40	2	R357, R383	RES, 383 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402383KFKED	0402
41	1	R354	RES, 6.98 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04026K98FKED	0402
42	1	R352	RES, 3.74 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04023K74FKED	0402
43	1	R351	RES, 825, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402825RFKED	0402
44	1	R350	RES, 7.50 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04027K50FKED	0402
45	1	R348	RES, 3.30 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-073K3L	0603
46	1	R347	RES, 12.4 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040212K4FKED	0402
47	3	R346, R349, R353	RES, 13.2 k, 0.1%, 0.125 W, 0805	Yageo America	RT0805BRD0713K2L	0805
48	1	R343	RES, 16.5 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040216K5FKED	0402
49	1	R337	RES, 24.0 k, 1%, 0.1 W, 0603	Yageo America	RC0603FR-0724KL	0603
50	1	R336	RES, 75.0 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040275K0FKED	0402
51	1	R331	RES, 3.0, 5%, 0.063 W, 0402	Vishay-Dale	CRCW04023R00INED	0402
52	1	R327	RES, 1.00, 1%, 0.25 W, 1206	Panasonic	ERJ-8RQF1R0V	1206
53	1	R324	RES, 86.6 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040286K6FKED	0402
54	2	R318, R325	RES, 100, 1%, 0.1 W, 0402	Panasonic	ERJ-2RFK100X	0402
55	1	R317	RES, 6.81 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04026K81FKED	0402
56	1	R311	RES, 33 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW040233K0INED	0402
57	13	R310, R321, R323, R338, R344, R345, R355, R356, R364, R370, R372, R381, R382	RES, 10.0 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040210K0FKED	0402
58	1	R309	RES, 8.25 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04028K25FKED	0402
59	1	R308	RES, 8.45 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04028K45FKED	0402
60	7	R302, R303, R312, R313, R314, R315, R316	RES, 2.00 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW04022K00FKED	0402
61	1	R298	RES, 499, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402499RFKED	0402
62	1	R276	RES, 1.3k ohm, 5%, 0.1W, 0603	Yageo America	RC0603JR-071K3L	0603
63	2	R275, R283	RES, 619 ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-07619RL	0603
64	1	R274	RES, 2.32k ohm, 1%, 0.1W, 0603	Yageo America	RC0603FR-072K32L	0603
65	2	R273, R284	RES, 270 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603270RINEA	0603
66	4	R242, R248, R258, R264	RES, 49.9 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040249K9FKED	0402

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67	12	R210, R216, R226, R232, R287, R288, R289, R291, R293, R294, R295, R297	RES, 40.9, 1%, 0.063 W, 0402	Yishay-Dale	CRCW040240R9FKED	0402
68	1	R204	RES, 1.91 k, 1%, 0.063 W, 0402	Yishay-Dale	CRCW04021K91FKED	0402
69	3	R203, R206, R207	RES, 10.0k ohm, 1%, 0.1W, 0603	Yishay-Dale	CRCW060310K0FKEA	0603
70	2	R202, R208	RES, 0.5%, 0.063 W, 0402	Panasonic	ERJ-2CEER00X	0402
71	1	R155	RES, 200, 0.1%, 0.125 W, 0805	Susumu Co Ltd	RC2012P-201-B-T5	0805
72	41	R153, R158, R160, R209, R214, R220, R221, R222, R224, R225, R230, R236, R237, R238, R244	RES, 0.5%, 0.063 W, 0402	Yishay-Dale	CRCW0402000020ED	0402
73	2	R150, R200	RES, 100, 1%, 0.05 W, 0201	Panasonic	ERJ-1GEF1000C	0201
74	12	R140, R141, R142, R143, R144, R145, R146, R147, R278, R279, R280, R281	RES, 240, 5%, 0.063 W, 0402	Yishay-Dale	CRCW0402240RINED	0402
75	28	R112, R113, R114, R115, R116, R117, R118, R119, R120, R121, R122, R123, R124, R125, R126	RES, 39.2, 1%, 0.063 W, 0402	Yishay-Dale	CRCW040239R2FKED	0402
76	3	R76, R77, R385	RES, 100, 1%, 0.063 W, 0402	Yishay-Dale	CRCW0402100RFKED	0402
77	4	R23, R24, R181, R182	RES, 3.0 k, 5%, 0.063 W, 0402	Yishay-Dale	CRCW04023K00INED	0402
78	72	R11, R17, R18, R19, R20, R21, R22, R78, R79, R80, R81, R82, R84, R85, R86, R87, R88, R89, R91	RES, 10.0, 1%, 0.063 W, 0402	Yishay-Dale	CRCW040210R0FKED	0402
79	40	R4, R5, R6, R7, R8, R9, R10, R12, R13, R14, R45, R46, R47, R51, R56, R58, R67, R68, R69, R70	RES, 1.00 k, 1%, 0.063 W, 0402	Yishay-Dale	CRCW04021K00FKED	0402
80	42	R1, R2, R3, R15, R16, R25, R26, R27, R28, R29, R30, R34, R35, R36, R38, R39, R40, R43, R44	RES, 4.75 k, 1%, 0.063 W, 0402	Yishay-Dale	CRCW04024K75FKED	0402
81	3	L45, L47, L48	Inductor, Drum Core, Ferrite, 6.8 uH, 2.8 A, 0.0473 ohm, SMD	Bourns	SRN6045-6R8Y	Inductor, 6x4.5x6mm
82	1	L44	Inductor, Shielded Drum Core, Ferrite, 4.7 uH, 2.8 A, 0.023 ohm, SMD	Yishay-Dale	IHM5832ER4R7L	IHM5832
83	2	L42, L43	Inductor, Shielded Drum Core, Metal Composite, 3.9 uH, 4.9 A, 0.013 ohm, SMD	Murth Elektronik	T44071039	8x4.3x8mm
84	1	L41	Inductor, Shielded Drum Core, Ferrite, 3.9 uH, 2.6 A, 0.02 ohm, SMD	Yishay-Dale	IHM57832ER39PL	IHM57832
85	1	L40	Inductor, Drum Core, Ferrite, 5 uH, 2.9 A, 0.024 ohm, SMD	Bourns	SRN6038-5N0Y	Inductor, 6.8x3.8x6.8mm
86	1	L39	Inductor, Shielded Drum Core, Superflux, 4.7 uH, 6 A, 0.02 ohm, SMD	Murth Elektronik	T44311470	WE-HC4
87	1	L38	Inductor, Shielded Drum Core, Powdered Iron, 3.3 uH, 5.5 A, 0.0404 ohm, SMD	Yishay-Dale	IHLP2002CTER3R3M11	1.18x3x5.5mm
88	1	L37	Inductor, Shielded, Powdered Iron, 220 nH, 23 A, 0.0028 ohm, SMD	Bourns	SRP730-R22M	7.8x3.2x7mm
89	1	L34	Ferrite Bead, 1000 ohm @ 100 MHz, 0.25 A, 0402	MuRata	BLM15HD1025M1D	0402
90	5	L32, L33, L35, L36, L46	Ferrite Bead, 1000 ohm @ 100 MHz, 0.4 A, 0603	MuRata	BLM18AG1025M1D	0603
91	12	L20, L21, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31	1.5A Ferrite Bead, 330 ohm @ 100MHz, SMD	MuRata	BLM18SG331TN1D	0603
92	1	L13	Ferrite Bead, 30 ohm @ 100 MHz, 6 A, 0805	TDK	MPZ2012E300A7000	0805
93	15	L2, L4, L5, L6, L7, L9, L10, L11, L12, L14, L15, L16, L17, L18, L19	Ferrite Bead, 120 ohm @ 100 MHz, 0.55 A, 0402	MuRata	BLM15AG1215M1D	0402
94	3	L1, L3, L8	Ferrite Bead, 120 ohm @ 100 MHz, 3 A, 0603	MuRata	BLM18SG121TN1D	0603
95	1	H15	Header, 100mil, 5x1, Gold, TH	Samtec	TSW-105-07-G-6	5x1 Header
96	12	J3, J4, J5, J6, J7, J8, J9, J10, J11, J12, J13, J14	SMA Jack, 50 Ohm, Gold, R/A, SMT	Samtec	SMA-J-P-H-ST-0M1	SMA Jack, R/A, SMT
97	1	J2	Connector, Receptacle, USB 1.1 Type A, R/A, TH	Amphenol Canada	GSB11312MR	Connector, Receptacle, USB 1.1 Type A, R/A, TH
98	1	H1	Receptacle, 0.5mm, 30x2, Gold, TH	Samtec	QSH-030-01-L-D-A	Receptacle, 0.5mm, 30x2, TH
99	5	H51, U1, U13, U17, U22	(NoValue), Smallcell Baseband Processor with 4 C66x DSP Cores / 2 ARM A15 Cores / JESD / CPRL, etc, (NoValue), (NoValue), IC, REG SINK/SOURCE DDR 10-S0N			
100	1	D1	Diode, Schottky, 20V, 2 A, SMA	Diodes Inc.	8220A-13-F	SMA
101	1	C718	CAP, CERAM, 0.1 uF, 25 V, +/-10%, X7R, 0805	MuRata	GRM21BR71E10KA01L	0805
102	1	C717	CAP, CERAM, 200 pF, 50 V, +/-5%, COG/NPO, 0402	MuRata	GRM1555C1H021QA01D	0402
103	1	C711	CAP, CERAM, 0.12 uF, 50 V, +/-10%, X5R, 0402	MuRata	GRM155C80124KE01D	0402
104	1	C710	CAP, CERAM, 270 pF, 50 V, +/-1%, COG/NPO, 0402	MuRata	GRM1555C1H721FA01D	0402
105	2	C709, C716	CAP, CERAM, 2700 pF, 50 V, +/-10%, X7R, 0805	Yageo America	CC0805KRX7R08B272	0805
106	2	C706, C713	CAP, CERAM, 4.7 uF, 25 V, +/-10%, X5R, 0805	MuRata	GRM21BR61E475KA1ZL	0805
107	1	C688	CAP, CERAM, 180 pF, 50 V, +/-5%, COG/NPO, 0402	MuRata	GRM1555C1H181JA01D	0402
108	1	C683	CAP, CERAM, 3.9 pF, 50 V, +/-5%, COG/NPO, 0402	MuRata	GRM1555C1H39CA01D	0402
109	2	C677, C680	CAP, CERAM, 1 pF, 50 V, +/-25%, COG/NPO, 0603	Kemet	C0603C109C5GACTU	0603
110	1	C658	CAP, CERAM, 6.2 pF, 25 V, +/-5%, COG/NPO, 0402	MuRata	GRM1555C1E62CA01D	0402
111	8	C654, C656, C657, C659, C684, C686, C687, C689	CAP, CERAM, 0.068 uF, 10 V, +/-10%, X5R, 0402	MuRata	GRM155R61A683KA01D	0402
112	1	C653	CAP, CERAM, 4.7 pF, 50 V, +/-1%, COG/NPO, 0402	MuRata	GRM1555C1H47WA01D	0402
113	1	C650	CAP, CERAM, 36 pF, 25 V, +/-5%, COG/NPO, 0402	MuRata	GRM1555C1E36JA01D	0402
114	1	C647	CAP, CERAM, 15 pF, 50 V, +/-5%, COG/NPO, AEC-Q200 Grade 1, 0603	MuRata	ECM188SC1H150JA1ED	0603
115	8	C645, C649, C652, C655, C675, C679, C682, C685	CAP, CERAM, 1200 pF, 50 V, +/-10%, X7R, 0402	MuRata	GRM155R71H122KA01D	0402
116	2	C644, C674	CAP, CERAM, 3.3 uF, 10 V, +/-10%, X5R, 0603	MuRata	GRM188R61A33KE15D	0603
117	2	C643, C673	CAP, CERAM, 4.7 uF, 25 V, +/-10%, X5R, 0603	MuRata	GRM188R61E47KE11D	0603
118	2	C642, C672	CAP, CERAM, 10 uF, 25 V, +/-20%, X5R, 0603	MuRata	GRM188R61E106MA73D	0603
119	4	C636, C637, C666, C667	CAP, CERAM, 1 uF, 25 V, +/-10%, X5R, 0603	MuRata	GRM188R61E105KA12D	0603
120	20	C632, C633, C634, C635, C638, C640, C646, C651, C662, C663, C664, C665, C668, C670, C671	CAP, CERAM, 22 uF, 25 V, +/-10%, X5R, 1210	MuRata	GRM32ER61E226KE15L	1210
121	2	C631, C661	CAP, TA, 100 uF, 6.3 V, +/-20%, 0.15 ohm, SMD	Kemet	T495C107M060ATE150	6032-28
122	10	C630, C639, C641, C648, C660, C669, C671, C678, C707, C714	CAP, CERAM, 0.1 uF, 25 V, +/-10%, X7R, 0805	AVX	0805C104KAT2A	0805
123	3	C627, C628, C629	CAP, TA, 4.7 uF, 10 V, +/-10%, 1.4 ohm, SMD	Kemet	T495A475K0102TE1K4	3216-18
124	1	C620	CAP, CERAM, 1000 pF, 6.3 V, +/-10%, X5R, 0402	MuRata	GRM155R60102KA01D	0402
125	2	C618, C619	CAP, TA, 1000 uF, 4 V, +/-10%, 0.05 ohm, SMD	Kemet	T495E100K004AT050	7369-38
126	1	C617	CAP, TA, 680 uF, 4 V, +/-10%, 0.045 ohm, SMD	Kemet	TPSD687K004R0045	7343-31
127	1	C616	CAP, TA, 680 uF, 4 V, +/-10%, 0.25 ohm, SMD	AVX	T495C476K006ATE250	6032-28
128	5	C615, C623, C624, C625, C626	CAP, TA, 4.7 uF, 6.3 V, +/-20%, 1.2 ohm, SMD	Kemet	T495A226M0102TE1K2ZV17	3216-18
129	3	C614, C621, C622	CAP, TA, 12 uF, 10 V, +/-10%, 1.8 ohm, SMD	Kemet	T495A106K010ATE1K6	3216-18
130	1	C613	CAP, TA, 1 uF, 20 V, +/-10%, 3 ohm, SMD	Kemet	T495A105K0302TE3K0	3216-18
131	1	C610	CAP, CERAM, 4.7 uF, 25 V, +/-20%, X5R, 0402	MuRata	GRM155R61E475ME15	0402
132	2	C609, C611	CAP, CERAM, 2.2 uF, 10 V, +/-20%, 8, 0402	MuRata	GRM155B31A225ME95	0402
133	2	C606, C608	CAP, CERAM, 2200 pF, 50 V, +/-20%, X7R, 0402	TDK	C105X7R1H222M	0402
134	2	C605, C607	CAP, CERAM, 100 pF, 50 V, +/-5%, COG/NPO, 0402	MuRata	GRM1555C1H101JA01D	0402
135	1	C604	CAP, CERAM, 0.022 uF, 50 V, +/-10%, X7R, 0402	MuRata	GRM155R71H223KA12D	0402
136	1	C569	CAP, CERAM, 10 uF, 10V, +/-10%, X5R, 0805	Kemet	C0805C106K8PACTU	0805
137	2	C566, C573	CAP, CERAM, 47 uF, 50V, +/-5%, COG/NPO, 0603	TDK	06035A470JAT2A	0603
138	2	C565, C572	CAP, CERAM, 3900 pF, 25V, +/-5%, COG/NPO, 0603	TDK	C1608C0G1E39Z	0603
139	1	C540	CAP, CERAM, 0.01 uF, 16V, +/-10%, X7R, 0402	TDK	C105X7R1C103K	0402
140	32	C535, C536, C537, C538, C539, C541, C542, C543, C544, C545, C546, C547, C548, C549, C550	CAP, CERAM, 0.1 uF, 10V, +/-10%, X5R, 0402	TDK	C105X5R1A104K	0402
141	2	C534, C571	CAP, CERAM, 1 uF, 16V, +/-10%, X5R, 0603	TDK	C1608X5R1C105K	0603

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142	2	C521, C533	CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, X5R, 0402	TDK	C1005X5R0J104K	0402
143	1	C519	CAP, CERM, 1000 µF, 25 V, +/- 5%, COG/NPO, 0402	TDK	C1005COG1E102J	0402
144	10	C450, C461, C465, C478, C482, C489, C496, C502, C509, C518	CAP, TANT, 10 µF, 10V, +/- 20%, 2.5 ohm, 3528-21 SMD	Vishay-Sprague	293D10V0010B2TE3	3528-21
145	16	C447, C449, C458, C460, C464, C477, C481, C486, C488, C493, C495, C501, C506, C508, C515	CAP, CERM, 1 µF, 10V, +/- 10%, X5R, 0603	TDK	C1608X5R1J105K	0603
146	16	C446, C448, C457, C459, C485, C487, C492, C494, C497, C498, C499, C500, C505, C507, C512	CAP, CERM, 0.01 µF, 6.3 V, +/- 10%, X5R, 0201	TDK	C0603X5R0J103K	0201
147	33	C444, C445, C451, C452, C453, C454, C455, C456, C462, C463, C466, C467, C468, C469, C471	CAP, CERM, 0.1 µF, 6.3 V, X5R, 10%, 0201	TDK	C0603X5R0J104K	0201
148	2	C428, C429	CAP, CERM, 0.01 µF, 25 V, +/- 10%, X7R, 0603	MuRata	GRM188R71E103KA01D	0603
149	1	C395	CAP, TA, 100 µF, 10 V, +/- 10%, 0.9 ohm, SMD	Vishay-Sprague	293D107X9010C2TE3	6033-28
150	3	C389, C390, C612	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0402	MuRata	GRM155R7C1D04KA5D0	0402
151	47	C331, C332, C336, C337, C338, C339, C340, C341, C342, C343, C344, C347, C348, C349, C351	CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, B, 0402	MuRata	GRM152B30104KA19	0402
152	57	C261, C262, C268, C277, C278, C284, C288, C292, C296, C306, C307, C313, C317, C321, C323	CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, X7R, 0603	MuRata	GRM188R70104KA01D	0603
153	26	C183, C184, C185, C186, C187, C188, C189, C190, C191, C192, C193, C194, C195, C196, C197	CAP, CERM, 0.022 µF, 4 V, +/- 10%, X6S, 0201	MuRata	GRM033C80G223KE01D	0201
154	7	C149, C150, C154, C155, C156, C254, C255	CAP, CERM, 10 µF, 6.3 V, +/- 10%, X7R, 0805	MuRata	GRM21BR70106KE15L	0805
155	6	C140, C141, C142, C143, C144, C145	CAP, CERM, 1000 µF, 16 V, +/- 10%, X7R, 0201	MuRata	GRM033R71C102KA01D	0201
156	54	C135, C136, C137, C138, C139, C199, C200, C201, C202, C203, C204, C205, C206, C207, C208	CAP, CERM, 0.01 µF, 6.3 V, +/- 10%, X5R, 0201	MuRata	GRM033R60103KA01D	0201
157	6	C125, C126, C127, C128, C129, C397	CAP, CERM, 47 µF, 6.3 V, +/- 20%, X5R, 0805	MuRata	GRM21BR601476ME15L	0805
158	6	C120, C121, C122, C123, C124, C396	CAP, CERM, 22 µF, 4 V, +/- 20%, X6S, 0805	MuRata	GRM21BC80G226ME39L	0805
159	5	C116, C117, C118, C119, C251	CAP, TA, 470 µF, 6.3 V, +/- 20%, 0.01 ohm, SMD	Panasonic	5TPF470MAH	Molded, 2-Leads, Body 7.3x4.3mm, Height 4mm
160	8	C112, C113, C114, C115, C146, C151, C249, C250	CAP, TA, 100 µF, 6.3 V, +/- 20%, 0.018 ohm, SMD	Panasonic	5TFE100MI	D-Tantalum
161	41	C104, C105, C106, C107, C108, C109, C110, C111, C264, C266, C270, C280, C282, C286, C287	CAP, CERM, 10 µF, 6.3 V, +/- 20%, Y5V, 0805	MuRata	GRM21BF50106Z01L	0805
162	49	C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C147, C148, C152, C153, C252, C253	CAP, CERM, 1 µF, 6.3 V, +/- 10%, X7R, 0603	MuRata	GRM188R70105KA01D	0603
163	10	C84, C85, C86, C87, C88, C89, C90, C91, C92, C93	CAP, CERM, 0.47 µF, 10 V, +/- 10%, X5R, 0603	MuRata	GRM188R61A474KA51D	0603
164	10	C74, C75, C76, C77, C78, C79, C80, C81, C82, C83	CAP, CERM, 0.22 µF, 10 V, +/- 10%, X5R, 0603	MuRata	GRM188R61A224KA01D	0603
165	61	C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C130, C131, C132, C133, C134, C157, C158	CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, X5R, 0201	MuRata	GRM033R60104KE19D	0201
166	11	C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63	CAP, CERM, 0.047 µF, 6.3 V, +/- 10%, X5R, 0201	MuRata	GRM033R601473KE19D	0201
167	20	C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50	CAP, CERM, 0.022 µF, 6.3 V, +/- 10%, X5R, 0201	MuRata	GRM033R60223KE01D	0201
168	20	C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30	CAP, CERM, 0.01 µF, 6.3 V, +/- 10%, X7R, 0201	MuRata	GRM033R70103KA01D	0201
169	22	C5, C6, C7, C8, C9, C10, C11, C12, C391, C392, C520, C522, C523, C524, C525, C526, C527	CAP, CERM, 0.1 µF, 10 V, +/- 10%, X5R, 0201	Samsung	CL03A104HP3NANC	0201
170	22	C1, C2, C3, C4, C333, C334, C335, C345, C346, C356, C357, C367, C368, C378, C379, C433	CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, X5R, 0201	TDK	C0603X5R0J104K030BC	0201

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