

TIDA-00732 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-00732	Any	Printed Circuit Board	
2	C1	1	47uF	GRM32ER71A476KE15L	MuRata	CAP, CERM, 47 μF, 10 V, +/- 10%, X7R, 1210	1210
3	C2, C10, C24, C48, C53, C56, C62, C63, C65, C70, C74, C79, C80	13	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 μF, 25 V, +/- 10%, X7R, 0603	0603
4	C3, C11, C12, C25, C26, C43, C44, C51, C59, C75, C78, C85, C86, C128, C133, C150, C155, C192, C220, C222, C223, C224, C225, C226, C229, C230, C231	27	0.1uF	GRM155R71C104KA88D	MuRata	CAP, CERM, 0.1 μF, 16 V, +/- 10%, X7R, 0402	0402
5	C4, C64, C76, C81, C82, C83, C84, C87, C89, C90	10	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10 μF, 10 V, +/- 10%, X7R, 0805	0805
6	C5, C9, C17, C23, C45, C47	6	47uF	C3216X5R1E476M160AC	TDK	CAP, CERM, 47 μF, 25 V, +/- 20%, X5R, 1206_190	1206_190
7	C6, C8	2	10uF	C3216X7R1E106M160AE	TDK	CAP, CERM, 10 μF, 25 V, +/- 20%, X7R, 1206_190	1206_190
8	C7, C18, C46, C67, C73	5	1000pF	GRM1885C1H102FA01J	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603
9	C13, C19, C27, C31, C35	5	1uF	08055C105KAT2A	AVX	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	0805
10	C14, C16, C20, C22, C28, C30, C32, C34, C36, C38	10	0.1uF	C0603C104K5RACTU	Kemet	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603
11	C15, C21, C29, C33, C37	5	10uF	0805YD106MAT2A	AVX	CAP, CERM, 10uF, 16V, +/-20%, X5R, 0805	0805
12	C39, C40	2	10uF	UMK325AB7106KM-T	Taiyo Yuden	CAP, CERM, 10 μF, 50 V, +/- 10%, X7R, 1210	1210
13	C41	1	0.01uF	C0603C103J5RACTU	Kemet	CAP, CERM, 0.01uF, 50V, +/-5%, X7R, 0603	0603
14	C42	1	0.022uF	08055C223KAT2A	AVX	CAP, CERM, 0.022uF, 50V, +/-10%, X7R, 0805	0805

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15	C49, C96, C97, C106, C107, C120, C121, C122, C123, C142, C143, C144, C145, C160, C161, C170, C171, C184, C185, C186, C187, C206, C207, C208, C209, C219, C228, C233	28	10uF	ZRB18AD71A106KE01L	MuRata	CAP, CERM, 10 µF, 10 V, +/- 10%, X7T, 0603	0603
16	C50	1	0.1uF	0603YC104JAT2A	AVX	CAP, CERM, 0.1 µF, 16 V, +/- 5%, X7R, 0603	0603
17	C52	1	0.22uF	0805YC224JAT2A	AVX	CAP, CERM, 0.22 µF, 16 V, +/- 5%, X7R, 0805	0805
18	C54, C55, C60, C77, C232	5	0.1uF	C0603C104J3RACTU	Kemet	CAP, CERM, 0.1 µF, 25 V, +/- 5%, X7R, 0603	0603
19	C57, C58	2	22uF	GRM188R60J226MEA0J	MuRata	CAP, CERM, 22 µF, 6.3 V, +/- 20%, X5R, 0603	0603
20	C61	1	10pF	C0603C100F5GAC7867	Kemet	CAP, CERM, 10 pF, 50 V, +/- 1%, C0G/NP0, 0603	0603
21	C66, C71, C221, C227	4	0.01uF	GRM155R71H103KA88D	MuRata	CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0402	0402
22	C68	1	0.01uF	C0805C103F1GACTU	Kemet	CAP, CERM, 0.01 µF, 100 V, +/- 1%, C0G/NP0, 0805	0805
23	C88	1	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10uF, 10V, +/-10%, X7R, 0805	0805
24	C91	1	22uF	C3225X5R1A226M	TDK	CAP, CERM, 22uF, 10V, +/-20%, X5R, 1210	1210
25	C92, C93, C94, C95, C102, C103, C104, C105, C112, C113, C114, C115, C116, C117, C118, C119, C134, C135, C136, C137, C138, C139, C140, C141, C156, C157, C158, C159, C166, C167, C168, C169, C176, C177, C178, C179, C180, C181, C182, C183, C198, C199, C200, C201, C202, C203, C204, C205	48	1000pF	C1005X7R1H102M	TDK	CAP, CERM, 1000 pF, 50 V, +/- 20%, X7R, 0402	0402

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26	C98, C99, C100, C101, C108, C109, C110, C111, C124, C125, C126, C127, C129, C130, C131, C132, C146, C147, C148, C149, C151, C152, C153, C154, C162, C163, C164, C165, C172, C173, C174, C175, C188, C189, C190, C191, C193, C194, C195, C196, C210, C211, C212, C213, C215, C216, C217, C218	48	0.047uF	GRM155R61A473KA01D	MuRata	CAP, CERM, 0.047 µF, 10 V, +/- 10%, X5R, 0402	0402
27	C197	1	1uF	GRM188R71A105KA61D	MuRata	CAP, CERM, 1uF, 10V, +/-10%, X7R, 0603	0603
28	C234, C235	2	0.1uF	GRM155R61E104KA87D	MuRata	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X5R, 0402	0402
29	C236	1	1000pF	202R18W102KV4E	Johanson Technology	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, 1206_190	1206_190
30	C237	1	100uF	293D107X9020E2TE3	Vishay-Sprague	CAP, TA, 100 µF, 20 V, +/- 10%, 0.5 ohm, SMD	7343-43
31	D1, D3	2	20V	MBR0520LT1G	ON Semiconductor	Diode, Schottky, 20 V, 0.5 A, SOD-123	SOD-123
32	D2	1	200V	MBRS4201T3G	ON Semiconductor	Diode, Schottky, 200V, 4A, SMC	SMC
33	D4	1	40V	CUS05S40,H3F	Toshiba	Diode, Schottky, 40 V, 0.5 A, SOD-323	SOD-323
34	D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D22, D23, D24, D25	19	Red	150060RS75000	Würth Elektronik	LED, Red, SMD	LED_0603
35	D20, D21	2	Green	APT2012LZGCK	Kingbright	LED, Green, SMD	LED_0805
36	FID4, FID5, FID6, FID7, FID8	5		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
37	H1, H2, H3, H4, H17, H18, H21, H22, H23, H24, H25, H26, H27, H28, H29	15		PMSSS 440 0025 PH	B&F Fastener Supply	MACHINE SCREW PAN PHILLIPS 4-40	Machine Screw, 4-40, 1/4"
38	H5, H6, H7, H8, H13, H14, H15, H16	8		9774050360R	Würth Elektronik	ROUND STANDOFF M3 STEEL 11MM	ROUND STANDOFF M3 STEEL 11MM
39	H9, H10, H11, H12, H19, H20, H30	7		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
40	J1, J2	2		TSW-123-07-G-D	Samtec	Header, 2.54 mm, 23x2, Gold, TH	Header, 2.54 mm, 23x2, TH
41	J3, J18	2		QTH-030-03-L-D-A	Samtec	Header(Shrouded), 19.7mil, 30x2, Gold, SMT	Header (Shrouded), 19.7mil, 30x2, SMT

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42	J4, J21, J25	3		61300211121	Würth Elektronik eiSos	Header, 2.54 mm, 2x1, Gold, TH	Header, 2.54mm, 2x1, TH
43	J5	1		ED120/2DS	On-Shore Technology	TERMINAL BLOCK 5.08MM VERT 2POS, TH	TERM_BLK, 2pos, 5.08mm
44	J6, J9	2		TSM-103-01-L-SV	Samtec	Header, 100mil, 3x1, Gold, SMT	Samtec_TSM-103-01-X-SV
45	J7, J8	2		142-0701-801	Johnson	Connector, End launch SMA, 50 ohm, SMT	End Launch SMA
46	J10, J11	2		87898-0204	Molex	Header, 2.54 mm, 2x1, Gold, R/A, SMT	Header, 2.54 mm, 2x1, R/A, SMT
47	J12, J13	2		61300311121	Würth Elektronik eiSos	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
48	J14, J19	2		PEC06SAAN	Sullins Connector Solutions	Header, 100mil, 6x1, Tin, TH	TH, 6-Leads, Body 608x100mil, Pitch 100mil
49	J16, J17, J22	3		HTSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	Header, 100mil, 3x1, TH
50	L1	1	600 ohm	HZ0805E601R-10	Laird-Signal Integrity Products	Ferrite Bead, 600 ohm @ 100 MHz, 0.5 A, 0805	0805
51	L2	1	600 ohm	MPZ2012S601A	TDK	Ferrite Bead, 600 ohm @ 100MHz, 2A, 0805	0805
52	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
53	Q1, Q2, Q3, Q4, Q5	5	40 V	CMPT3904 LEAD FREE	Central Semiconductor	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
54	Q6, Q7	2	30V	NX3020NAKW,115	NXP Semiconductor	MOSFET, N-CH, 30 V, 0.18 A, SOT-323	SOT-323
55	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R123, R124, R125, R126, R127, R128, R129, R130, R131, R132, R133, R134, R135, R136, R137, R138, R139, R140, R141, R142, R143, R144, R145, R146, R147, R148, R149, R150, R151, R152	74	10.0	CRCW040210R0FKED	Vishay-Dale	RES, 10.0, 1%, 0.063 W, 0402	0402
56	R46, R47	2	0.22	ERJ-3RQFR22V	Panasonic	RES, 0.22 ohm, 1%, 0.1W, 0603	0603
57	R49, R97, R103	3	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
58	R50, R204, R205, R206	4	1.5k	CRCW08051K50JNEA	Vishay-Dale	RES, 1.5 k, 5%, 0.125 W, 0805	0805

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59	R51	1	0	CRCW1206000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
60	R52, R63, R76	3	0.1	ERJ-3RSFR10V	Panasonic	RES, 0.1, 1%, 0.1 W, 0603	0603
61	R55, R58, R67, R70, R71, R80, R83, R84, R160, R162, R163, R164, R166, R169, R170, R171, R172, R173, R175, R186, R189, R190, R193, R195, R199, R200, R208, R210, R212, R213, R215	31	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.063 W, 0402	0402
62	R61, R62, R72, R73, R74, R75, R90, R93, R247, R250, R254, R257	12	10.0k	ERJ-2RKF1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	0402
63	R85, R91, R98, R99, R104, R105	6	1.00k	RG1608P-102-B-T5	Susumu Co Ltd	RES, 1.00 k, 0.1%, 0.1 W, 0603	0603
64	R86	1	2.49k	RG1608P-2491-B-T5	Susumu Co Ltd	RES, 2.49 k, 0.1%, 0.1 W, 0603	0603
65	R87	1	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
66	R88	1	4.99k	RG1608P-4991-B-T5	Susumu Co Ltd	RES, 4.99 k, 0.1%, 0.1 W, 0603	0603
67	R89	1	4.75	CRCW06034R75FKEA	Vishay-Dale	RES, 4.75, 1%, 0.1 W, 0603	0603
68	R92, R110	2	499	RG1608P-4990-B-T5	Susumu Co Ltd	RES, 499, 0.1%, 0.1 W, 0603	0603
69	R94	1	30.0k	RG1608P-303-B-T5	Susumu Co Ltd	RES, 30.0 k, 0.1%, 0.1 W, 0603	0603
70	R95, R101	2	2.21	CRCW06032R21FKEA	Vishay-Dale	RES, 2.21, 1%, 0.1 W, 0603	0603
71	R96, R108, R115, R116, R117, R118, R192, R194, R197, R198	10	100	RG1608P-101-B-T5	Susumu Co Ltd	RES, 100, 0.1%, 0.1 W, 0603	0603
72	R106, R111, R114	3	20.0k	RG1608P-203-B-T5	Susumu Co Ltd	RES, 20.0 k, 0.1%, 0.1 W, 0603	0603
73	R107, R119, R120, R121, R122, R153, R154, R155, R156, R157, R158, R159, R165, R168, R174, R176, R177, R178, R181, R182, R183, R184, R185, R187, R188, R191, R196, R201, R202, R203, R211, R214, R216, R217, R218, R243	36	1.00k	RC0603FR-071KL	Yageo America	RES, 1.00 k, 1%, 0.1 W, 0603	0603
74	R109	1	280k	RG2012P-2803-B-T5	Susumu Co Ltd	RES, 280 k, 0.1%, 0.125 W, 0805	0805

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75	R112, R249, R252, R256, R258	5	10.0k	RG1608P-103-B-T5	Susumu Co Ltd	RES, 10.0 k, 0.1%, 0.1 W, 0603	0603
76	R113	1	0.22	ERJ-3RQFR22V	Panasonic	RES, 0.22, 1%, 0.1 W, 0603	0603
77	R161, R167, R179, R180, R269, R273	6	33	CRCW040233R0JNED	Vishay-Dale	RES, 33, 5%, 0.063 W, 0402	0402
78	R207, R260	2	33.0	RC0603FR-0733RL	Yageo America	RES, 33.0, 1%, 0.1 W, 0603	0603
79	R209, R227, R228, R229, R230, R234, R237, R238, R241, R242, R264, R265, R266	13	330	RC0603JR-07330RL	Yageo America	RES, 330, 5%, 0.1 W, 0603	0603
80	R219	1	118k	RT0805BRD07118KL	Yageo America	RES, 118k ohm, 0.1%, 0.125W, 0805	0805
81	R220	1	5.62k	RT0805BRD075K62L	Yageo America	RES, 5.62 k, 0.1%, 0.125 W, 0805	0805
82	R221	1	249k	CRCW0805249KFKEA	Vishay-Dale	RES, 249k ohm, 1%, 0.125W, 0805	0805
83	R222, R226, R231, R232, R233, R235, R236, R239, R240	9	1.2k	CRCW06031K20JNEA	Vishay-Dale	RES, 1.2 k, 5%, 0.1 W, 0603	0603
84	R223	1	1.07k	RT0805BRD071K07L	Yageo America	RES, 1.07 k, 0.1%, 0.125 W, 0805	0805
85	R224	1	20.5k	CRCW080520K5FKEA	Vishay-Dale	RES, 20.5 k, 1%, 0.125 W, 0805	0805
86	R225	1	0.01	WSL0805R0100FEA18	Vishay-Dale	RES, 0.01, 1%, 0.25 W, 0805	0805
87	R244	1	511	RC0603FR-07511RL	Yageo America	RES, 511, 1%, 0.1 W, 0603	0603
88	R246, R251	2	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
89	R248, R255	2	32.4k	RG1608P-3242-B-T5	Susumu Co Ltd	RES, 32.4 k, 0.1%, 0.1 W, 0603	0603
90	R253, R259	2	25.5k	RG1608P-2552-B-T5	Susumu Co Ltd	RES, 25.5 k, 0.1%, 0.1 W, 0603	0603
91	R261	1	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
92	R267, R270, R271, R277	4	4.7k	CRCW04024K70JNED	Vishay-Dale	RES, 4.7 k, 5%, 0.063 W, 0402	0402
93	R268, R276	2	0.1	ERJ-2BSFR10X	Panasonic	RES, 0.1, 1%, 0.125 W, 0402	0402
94	R274	1	100	CRCW0402100RJNED	Vishay-Dale	RES, 100, 5%, 0.063 W, 0402	0402
95	S1	1		EVQPNF04M	Panasonic	Switch, Tactile, SPST-NO, 0.05A, 12V, SMD	SMD, 2-Leads, Body 6x4mm
96	T1	1	110uH	750315240	Würth Elektronik	Transformer, 110 uH, SMT	10.41x12.32mm
97	TP1, TP2, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP17	14	STD	STD	STD	Test Point 40mil pad 20mil drill	
98	TP3, TP16, TP26, TP27, TP28, TP29, TP32, TP35, TP36, TP37, TP38, TP39, TP40, TP41, TP42, TP43, TP44, TP45, TP46, TP47	20	SMT	5016	Keystone	Test Point, Compact, SMT	Testpoint_Keystone_Compact

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99	TP15, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP30, TP31, TP33, TP34, TP48, TP49, TP50, TP51	17	STD	STD	STD	Test Point, 0.025"	
100	U1	1		SN6505ADBVR	Texas Instruments	LOW-NOISE 1A TRANSFORMER DRIVERS FOR ISOLATED POWER SUPPLIES, DBV0006A	DBV0006A
101	U2, U7, U13	3		TPS7A4700RGWR	Texas Instruments	36-V, 1-A, 4.17-µVRMS, RF LDO Voltage Regulator, RGW0020A	RGW0020A
102	U3	1		LMZ14203TZ-ADJ/NOPB	Texas Instruments	3A SIMPLE SWITCHER® Power Module with 42V Maximum Input Voltage, 7-pin TO-PMOD, Pb-Free	TZA07A
103	U4, U11	2		TPS70912DBVT	Texas Instruments	IC REG LDO 1.2V 0.15A SOT23-5	DBV0005A
104	U5, U12	2		ISO7840DWR	Texas Instruments	High-Performance, 8000 VPK Reinforced Quad-Channel Digital Isolator, DW0016B	DW0016B
105	U6, U8, U10	3		TPS70918DBVT	Texas Instruments	IC REG LDO 1.8V 0.15A SOT23-5	DBV0005A
106	U9	1		ISO7842DWR	Texas Instruments	High-Performance, 8000 VPK Reinforced Quad Channel Digital Isolator, DW0016B	DW0016B
107	U14	1		OPA378AIDBVT	Texas Instruments	Low-Noise, 900 kHz, RRIO, Precision Operational Amplifier, Zero-Drift Series, 2.2 to 5.5 V, -40 to 125 degC, 5-pin SOT23 (DBV0005A), Green (RoHS & no Sb/Br)	DBV0005A
108	U15, U18, U20	3		OPA625IDBVR	Texas Instruments	High-Bandwidth, High-Precision, Low THD+N, 16-Bit and 18-Bit Analog-to-Digital Converter (ADC) Drivers, DBV0006A	DBV0006A
109	U16	1		SN74LVC1G17DCKR	Texas Instruments	SINGLE SCHMITT-TRIGGER BUFFER, DCK0005A	DCK0005A
110	U17, U27, U31	3		SN74LVC1G08DCKR	Texas Instruments	Single 2-Input Positive-AND Gate, DCK0005A	DCK0005A
111	U19	1		ADS9110IRGER	Texas Instruments	18-Bit, 2-MSPS, 20-mW, SAR ADC with Enhanced Serial Interface, RGE0024H	RGE0024H
112	U21, U28	2		BR24G32FVT-3AGE2	Rohm	I2C BUS EEPROM (2-Wire), TSSOP-B8	TSSOP-8
113	U22	1		REF5045AIDGKT	Texas Instruments	Low Noise, Very Low Drift, Precision Voltage Reference, -40 to 125 degC, 8-pin MSOP (DGK), Green (RoHS & no Sb/Br)	DGK0008A
114	U23	1		OPA376AIDBVR	Texas Instruments	Precision, Low Noise, Low Iq Operational Amplifier, 2.2 to 5.5 V, -40 to 125 degC, 5-pin SOT23 (DBV0005A), Green (RoHS & no Sb/Br)	DBV0005A
115	U24, U25	2				Spartan-3AN Non-Volatile FPGA, 108 User I/Os, 144-Pin TQFP, Standard Performance, Commercial Grade	TQ144
116	U26, U29, U30, U32	4		TLV3012AIDCKR	Texas Instruments	Nanopower, 1.8V, Comparator with Voltage Reference, DCK0006A	DCK0006A
117	U33	1	SN74AUP1 G80DCK	SN74AUP1G80DCK	TI	IC, Single Positive-Edge-Triggered D-Type Flip-Flop	SC-70
118	U34	1		REF6041AIDGK	Texas Instruments	High-Precision Voltage Reference with Integrated High-Bandwidth Buffer, DGK0008A	DGK0008A
119	U35	1		ISO1541DR	Texas Instruments	Low-Power Bidirectional I2C Isolators, D0008A	D0008A
120	U36	1		LMK61E2-SIAR	Texas Instruments	Ultra-Low Jitter Programmable Oscillator with Internal EEPROM, SIA0008B	SIA0008B
121	U37	1		SN65LVDS4RSET	Texas Instruments	500 Mbps High-Speed Differential Line Driver / Receivers with LVDS Input and LVTTTL / LVCMOS Output, 1 Rx, -40 to +85 degC, 10-pin UQFN (RSE), Green (RoHS & no Sb/Br)	RSE0010A
122	Y1, Y2	2		ASTMLPE-125.000MHZ-LJ-E-T	ABRACON	OSC, 125 MHz, 3.3V, SMD	3.2x2.5mm
123	C69	0	10uF	GRM21BR71A106KE51L	MuRata	CAP, CERM, 10 µF, 10 V, +/- 10%, X7R, 0805	0805
124	C72	0	1uF	GRM188R71E105KA12D	MuRata	CAP, CERM, 1 µF, 25 V, +/- 10%, X7R, 0603	0603
125	C214	0	0.01uF	GRM155R71H103KA88D	MuRata	CAP, CERM, 0.01 µF, 50 V, +/- 10%, X7R, 0402	0402
126	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
127	J24	0		HTSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	Header, 100mil, 3x1, TH

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
128	R45	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
129	R48	0	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, 0603	0603
130	R53, R54, R56, R57, R59, R60, R64, R65, R66, R68, R69, R77, R78, R79, R81, R82, R102	0	0	ERJ-2GE0R00X	Panasonic	RES, 0, 5%, 0.063 W, 0402	0402
131	R100	0	10.0k	ERJ-2RKF1002X	Panasonic	RES, 10.0 k, 1%, 0.1 W, 0402	0402

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