

TIDA-010197 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
IPCBB1	1		TIDA-010197	Any	Printed Circuit Board	
C1, C70	2	110pF	GRM2165C2A111JA01D	MuRata	CAP, CERM, 110 pF, 100 V, +/- 5%, C0G/NP0, 0805	805
C2, C7, C10, C15, C19, C22, C27, C32	8	620pF	GRM2165C1H621JA01D	MuRata	CAP, CERM, 620 pF, 50 V, +/- 5%, C0G/NP0, 0805	805
C3, C4, C34, C35, C72, C82, C94, C98	8	0.1uF	C0603C104K8RACTU	Kemet	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X7R, 0603	603
C5, C24, C87	3	0.1uF	08055C104JAT2A	AVX	CAP, CERM, 0.1 uF, 50 V, +/- 5%, X7R, 0805	805
C6, C8, C38, C97	4	1uF	GRM32RR71H105KA01L	MuRata	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 1210	1210
C9, C11, C16, C21, C25, C30	6	36pF	GRM1885C1H360JA01D	MuRata	CAP, CERM, 36 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
C12, C75	2	10uF	C1210C106K3RACTU	Kemet	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, 1210	1210
C13, C76	2	4.7uF	CGA6P3X8R1E475K250AB	TDK	CAP, CERM, 4.7 uF, 25 V, +/- 10%, X8R, AEC-Q200 Grade 0, 1210	1210
C14, C18, C33, C77, C80, C92	6	0.1uF	0603ZC104KAT2A	AVX	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X7R, 0603	603
C17, C79	2	1uF	C1608X5R1A105K080AC	TDK	CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0603	603
C20, C83	2	1100pF	GRM2165C1H112JA01D	MuRata	CAP, CERM, 1100 pF, 50 V, +/- 5%, C0G/NP0, 0805	805
C23, C26, C85, C86	4	10pF	04025U100CAT2A	AVX	CAP, CERM, 10 pF, 50 V, +/- 2.5%, C0G/NP0, AEC-Q200 Grade 1, 0402	402
C29, C90	2	33pF	GQM2195C1H330JB01D	MuRata	CAP, CERM, 33 pF, 50 V, +/- 5%, C0G/NP0, 0805	805
C31, C91	2	100pF	8.85012E+11	Wurth Elektronik	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, 0805	805
C36, C95	2		8.85012E+11	Wurth Electronics	0.1µF ±10% 50V Ceramic Capacitor X7R 1210 (3225 Metric)	1210
C37, C56, C58, C96, C118, C120	6	10uF	UMK325AB7106KMHT	Taiyo Yuden	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
C39, C71, C73, C74, C78, C81, C84, C88, C93, C99	10	510pF	GRM2165C2A511JA01D	MuRata	CAP, CERM, 510 pF, 100 V, +/- 5%, C0G/NP0, 0805	805
C40, C100	2	1000pF	VJ1210Y102KXEAT5Z	Vishay-Vitramon	CAP, CERM, 1000 pF, 500 V, +/- 10%, X7R, 1210	1210
C41, C47, C53, C65, C101, C106, C113, C125	8	0.1uF	C1210C104K5RACTU	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 1210	1210
C42, C102	2	68uF	8.6508E+11	Wurth Elektronik	CAP, AL, 68 µF, 25 V, +/- 20%, SMD	D6.3xL5.5mm
C44, C51, C63, C104, C111, C123	6	1200pF	GRM2165C1H122JA01D	MuRata	CAP, CERM, 1200 pF, 50 V, +/- 5%, C0G/NP0, 0805	805
C46, C52, C64, C105, C112, C124	6	22uF	T495D226K025ATE200	Kemet	CAP, TA, 22 uF, 25 V, +/- 10%, 0.2 ohm, SMD	7343-31
C49, C68, C109, C128	4	15uF	T495X156M050ATE300	Kemet	CAP, TA, 15 uF, 50 V, +/- 20%, 0.3 ohm, SMD	7343-43
C50, C57, C59, C69, C110, C119, C121, C129	8	1uF	08055C105KAT2A	AVX	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	805
C61, C133	2	0.12uF	C0805C124K5RACTU	Kemet	CAP, CERM, 0.12 uF, 50 V, +/- 10%, X7R, 0805	805
C117, C132, C134, C137	4	0.1uF	C0603C104J3RACTU	Kemet	CAP, CERM, 0.1 uF, 25 V, +/- 5%, X7R, 0603	603

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C130, C131, C135, C136	4	2000pF	12065A202JAT2A	AVX	CAP, CERM, 2000 pF, 50 V,+/- 5%, C0G/NP0, 1206	1206
D1, D2, D3, D4, D5, D13, D14, D15, D16, D17	10	Red	SML-LXF0805SRC-TR	Lumex	LED, Red, SMD	2x1.25mm
D6, D7, D9, D10, D11, D12, D18, D19, D21, D22, D23, D24	12	100V	1N6642UD1	STMicroelectronics	Diode, Switching, 100 V, 0.3 A, LCC-2D	LCC-2D
D8, D20	2	30V	SS1P3L-M3/84A	Vishay-Semiconductor	Diode, Schottky, 30 V, 1.5 A, DO-220AA	DO-220AA
FID1, FID2, FID3, FID4, FID5, FID6, FID7, FID8, FID9, FID10, FID11, FID12	12		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
H1, H2, H3, H4, H5, H6, H7, H8	8		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H9, H10, H11, H12	4		SJ-5303 (CLEAR)	3M	Bumpon, Hemisphere, 0.44 X 0.20, Clear	Transparent Bumpon
H13, H14, H15, H16, H17, H18, H19, H20	8		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
J1, J2, J3, J4, J5, J7, J8, J9, J10, J12, J13, J14, J21, J22, J23, J25, J26, J28, J29, J30, J31, J32, J33, J34	24		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
J6, J27	2		N2514-6002-RB	3M	Header (shrouded), 100mil, 7x2, Gold, TH	7x2 Header
J15, J35	2		ED555/4DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 4x1, TH	14x8.2x6.5mm
J16, J18, J20, J36, J38, J40	6		TSW-102-07-T-S	Samtec	Header, 2.54 mm, 2x1, Tin, TH	Header, 2.54 mm, 2x1, TH
J17, J19, J37, J39	4		TSW-103-07-T-S	Samtec	Header, 2.54 mm, 3x1, Tin, TH	Header, 2.54 mm, 3x1, TH
L1, L2	2		7447773151	Würth Electronics	150µH Shielded Wirewound Inductor 780mA 515mOhm Max Nonstandard	SMT_IND_7MM4_7M M3
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 x 0.200 inch
Q1, Q10	2	40 V	MMBT3904LT1G	ON Semiconductor	Transistor, NPN, 40 V, 0.2 A, SOT-23	SOT-23
Q2, Q11	2	60V	CSD18541F5	Texas Instruments	MOSFET, N-CH, 60 V, 2.2 A, YJK0003A (PICOSTAR-3)	YJK0003A
Q3, Q14	2	25V	CSD16301Q2	Texas Instruments	MOSFET, N-CH, 25 V, 5 A, DQK0006C (WSON-6)	DQK0006C
Q4, Q8, Q12, Q17	4	60 V	MMBT2907AT-7-F	Diodes Inc.	Transistor, PNP, 60 V, 0.6 A, AEC-Q101, SOT-523	SOT-523
Q6, Q9, Q15, Q18	4	40 V	MMBT3904T-7-F	Diodes Inc.	Transistor, NPN, 40 V, 0.2 A, SOT-523	SOT-523
R1	1	9.53k	ERJ-6ENF9531V	Panasonic	RES, 9.53 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805

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R2, R5, R6, R8, R20, R27, R42, R51, R58, R67, R82, R102, R105, R106, R108, R110, R121, R141, R144, R145, R158, R162, R174, R175, R182, R187, R195, R206, R227, R229, R231, R235, R237, R253	34	0	5106	Keystone	RES, 0, 1%, 0.5 W, 0805	805
R3	1	2.46k	RT0805BRD072K46L	Yageo America	RES, 2.46 k, 0.1%, 0.125 W, 0805	805
R9, R12, R73, R74, R99, R147, R150, R200, R201, R224	10	100k	ERJ-6GEYJ104V	Panasonic	RES, 100 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R10	1	89.8	RT0805BRD0789R8L	Yageo America	RES, 89.8, 0.1%, 0.125 W, 0805	805
R11, R148	2	2.55k	RT0805BRD072K55L	Yageo America	RES, 2.55 k, 0.1%, 0.125 W, 0805	805
R13, R149	2	10.2k	RT0805BRD0710K2L	Yageo America	RES, 10.2 k, 0.1%, 0.125 W, 0805	805
R14, R15, R30	3	32.4k	RT0805BRD0732K4L	Yageo America	RES, 32.4 k, 0.1%, 0.125 W, 0805	805
R16, R19, R153, R156	4	1.30k	RT0805BRD071K3L	Yageo America	RES, 1.30 k, 0.1%, 0.125 W, 0805	805
R17	1	76.8	RT0805BRD0776R8L	Yageo America	RES, 76.8, 0.1%, 0.125 W, 0805	805
R18, R155	2	0.082	RLP73N3AR082FTDF	TE Connectivity	RES, 0.082, 1%, 2 W, AEC-Q200 Grade 0, 2512	2512
R21, R29, R36, R47, R54, R59	6	10.0k	ERJ-6ENF1002V	Panasonic	RES, 10.0 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R23	1	16.2k	RT0805BRD0716K2L	Yageo America	RES, 16.2 k, 0.1%, 0.125 W, 0805	805
R24, R192	2	1.20Meg	RT0805BRD071M2L	Yageo America	RES, 1.20 M, 0.1%, 0.125 W, 0805	805
R26, R125, R194, R256	4	100k	RN73C2A100KBTD	TE Connectivity	RES, 100 k, 0.1%, 0.1 W, 0805	805
R28, R34, R43, R52, R57, R68	6	85.6	RT0805BRD0785R6L	Yageo America	RES, 85.6, 0.1%, 0.125 W, 0805	805
R32	1	200	CRCW0805200RFKEA	Vishay-Dale	RES, 200, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R33, R166	2	6.98k	RT0805BRD076K98L	Yageo America	RES, 6.98 k, 0.1%, 0.125 W, 0805	805
R35, R37, R168, R169	4	0	CRCW12100000Z0EAHP	Vishay-Dale	RES, 0, 1%, 0.75 W, AEC-Q200 Grade 0, 1210	1210
R39, R41, R60, R61, R85, R104, R170, R172, R188, R189, R215, R233	12	10.0k	CRCW080510K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R40	1	38.3k	RG2012P-3832-B-T5	Susumu Co Ltd	RES, 38.3 k, 0.1%, 0.125 W, 0805	805
R44	1	40.2k	RG2012P-4022-B-T5	Susumu Co Ltd	RES, 40.2 k, 0.1%, 0.125 W, 0805	805
R45	1	965k	RT0805BRD07965KL	Yageo America	RES, 965 k, 0.1%, 0.125 W, 0805	805
R46, R179	2	47k	ERJ-6GEYJ473V	Panasonic	RES, 47 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R48	1	597k	RT0805BRD07597KL	Yageo America	RES, 597 k, 0.1%, 0.125 W, 0805	805
R50	1	100k	RT0805BRD07100KL	Yageo America	RES, 100 k, 0.1%, 0.125 W, 0805	805
R53	1	14.0k	RT0805BRD0714KL	Yageo America	RES, 14.0 k, 0.1%, 0.125 W, 0805	805
R56	1	0.24	MCR25JZHFLR240	Rohm	RES, 0.24, 1%, 0.5 W, 1210	1210
R62, R190	2	1.5k	ERJ-6GEYJ152V	Panasonic	RES, 1.5 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R63, R70	2	481k	RT0805BRD07481KL	Yageo America	RES, 481 k, 0.1%, 0.125 W, 0805	805

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R65	1	10.0k	RG2012P-103-B-T5	Susumu Co Ltd	RES, 10.0 k, 0.1%, 0.125 W, 0805	805
R66, R69, R71, R72, R191, R193, R197, R199	8	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R75, R202	2	100	ERJ-6GEYJ101V	Panasonic	RES, 100, 5%, 0.125 W, 0805	805
R76, R78, R90, R93, R96, R100, R203, R210, R217, R221, R223, R230	12	1.0k	ERJ-6GEYJ102V	Panasonic	RES, 1.0 k, 5%, 0.125 W, 0805	805
R77, R204	2	10k	CRCW080510K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.125 W, 0805	805
R79, R91, R213, R218	4	13.7k	ERJ-6ENF1372V	Panasonic	RES, 13.7 k, 1%, 0.125 W, 0805	805
R80, R205	2	750	RT0805BRD07750RL	Yageo America	RES, 750, 0.1%, 0.125 W, 0805	805
R81, R214	2	15.0k	ERJ-6ENF1502V	Panasonic	RES, 15.0 k, 1%, 0.125 W, 0805	805
R84, R208	2	11.5k	RT0805BRD0711K5L	Yageo America	RES, 11.5 k, 0.1%, 0.125 W, 0805	805
R86, R216	2	1.00k	ERJ-6ENF1001V	Panasonic	RES, 1.00 k, 1%, 0.125 W, 0805	805
R87, R146, R154, R163, R167, R176, R183, R186, R196, R209	10	442	CRCW0805442RFKEA	Vishay-Dale	RES, 442, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R89, R212	2	35.7k	RT0805BRD0735K7L	Yageo America	RES, 35.7 k, 0.1%, 0.125 W, 0805	805
R92, R219	2	2.00k	RR1220P-202-D	Susumu Co Ltd	RES, 2.00 k, 0.5%, 0.1 W, 0805	805
R94, R127, R225, R268	4	10.7k	CRCW080510K7FKEA	Vishay-Dale	RES, 10.7 k, 1%, 0.125 W, 0805	805
R97, R222	2	626	RT0805BRD07626RL	Yageo America	RES, 626, 0.1%, 0.125 W, 0805	805
R98, R226	2	14.7k	CRCW080514K7FKEA	Vishay-Dale	RES, 14.7 k, 1%, 0.125 W, 0805	805
R101, R232	2	11.0k	ERJ-6ENF1102V	Panasonic	RES, 11.0 k, 1%, 0.125 W, 0805	805
R109, R236	2	1.00k	RG2012P-102-B-T5	Susumu Co Ltd	RES, 1.00 k, 0.1%, 0.125 W, 0805	805
R111, R117, R134, R238, R244, R261	6	49.9	RC0603FR-0749R9L	Yageo	RES, 49.9, 1%, 0.1 W, 0603	603
R112, R135, R239, R262	4	3.90k	RC1206FR-073K9L	Yageo America	RES, 3.90 k, 1%, 0.25 W, 1206	1206
R116, R139, R243, R266	4	2.20k	RG2012P-222-B-T5	Susumu Co Ltd	RES, 2.20 k, 0.1%, 0.125 W, 0805	805
R118, R246	2	4.02k	RG2012P-4021-B-T5	Susumu Co Ltd	RES, 4.02 k, 0.1%, 0.125 W, 0805	805
R123, R254	2	459	RT0805BRD07459RL	Yageo America	RES, 459, 0.1%, 0.125 W, 0805	805
R124, R133, R245, R260	4	300k	ERJ-6GEYJ304V	Panasonic	RES, 300 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R126, R132, R250, R259	4	3.0k	ERJ-6GEYJ302V	Panasonic	RES, 3.0 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R128, R129, R130, R131, R255, R257, R258, R267	8	20k	ERJ-6GEYJ203V	Panasonic	RES, 20 k, 5%, 0.125 W, 0805	805
R140	1	4.81k	RT0805BRD074K81L	Yageo America	RES, 4.81 k, 0.1%, 0.125 W, 0805	805
R142	1	1.23k	RT0805BRD071K23L	Yageo America	RES, 1.23 k, 0.1%, 0.125 W, 0805	805
R151	1	15.4k	RG2012P-1542-B-T5	Susumu Co Ltd	RES, 15.4 k, 0.1%, 0.125 W, 0805	805
R152	1	16.4k	RT0805BRD0716K4L	Yageo America	RES, 16.4 k, 0.1%, 0.125 W, 0805	805
R159	1	8.16k	RT0805BRD078K16L	Yageo America	RES, 8.16 k, 0.1%, 0.125 W, 0805	805
R160	1	887k	RT0805BRD07887KL	Yageo America	RES, 887 k, 0.1%, 0.125 W, 0805	805
R161	1	301k	RG2012P-3013-B-T5	Susumu Co Ltd	RES, 301 k, 0.1%, 0.125 W, 0805	805
R164	1	42.2k	RT0805BRD0742K2L	Yageo America	RES, 42.2 k, 0.1%, 0.125 W, 0805	805

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R165	1	200	CRCW0805200RFKEA	Vishay-Dale	RES, 200, 1%, 0.125 W, 0805	805
R171	1	229k	RT0805BRD07229KL	Yageo America	RES, 229 k, 0.1%, 0.125 W, 0805	805
R177	1	499k	RG2012P-4993-B-T5	Susumu Co Ltd	RES, 499 k, 0.1%, 0.125 W, 0805	805
R178	1	459k	RT0805BRD07459KL	Yageo America	RES, 459 k, 0.1%, 0.125 W, 0805	805
R180	1	898k	RT0805BRD07898KL	Yageo America	RES, 898 k, 0.1%, 0.125 W, 0805	805
R181	1	665k	RT0805BRD07665KL	Yageo America	RES, 665 k, 0.1%, 0.125 W, 0805	805
R184	1	43.2k	RT0805BRD0743K2L	Yageo America	RES, 43.2 k, 0.1%, 0.125 W, 0805	805
R185	1	0.1	Y14870R10000B9W	Vishay Foil Resistors	RES, 0.1, 0.1%, 1 W, 6.35x3.175mm	6.35x3.175mm
R198	1	96.5k	RT0805BRD0796K5L	Yageo America	RES, 96.5 k, 0.1%, 0.125 W, 0805	805
R247, R269	2	5.76k	ERJ-6ENF5761V	Panasonic	RES, 5.76 k, 1%, 0.125 W, 0805	805
R252, R270	2	6.42k	RT0805BRD076K42L	Yageo America	RES, 6.42 k, 0.1%, 0.125 W, 0805	805
RT1, RT2	2	10k	ERT-J1VG103HA	Panasonic	Thermistor NTC, 10k ohm, 3%, 0603	603
S1, S2	2		PTS635SL50LFS	C&K Components	Switch, Tactile, SPST-NO, 0.05A, 12V, TH	SW, SPST 3.5x5 mm
TP4, TP16, TP30, TP51, TP64	5		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
U1, U2, U3, U17, U18, U21	6		LMP7704-SP	Texas Instruments	Precision, CMOS Input, RRIO, Wide Supply Range Amplifiers	FLAT_PACK14
U4	1		ADC128S102WGMPR	Texas Instruments	LVDS Quad CMOS Differential Line Receiver, NAC0016A (CFP-16)	NAC0016A
U5, U11, U19, U26	4		LM4050WG2.5-MPR	Texas Instruments	Precision Micropower Shunt Voltage Reference	CFP10
U6, U20	2		MSP430FR5969IRGZR	Texas Instruments	MSP430FR5969 16 MHz Ultra-Low-Power Microcontroller featuring 64 KB FRAM, 2 KB SRAM, 40 IO, RGZ0048B (VQFN-48)	RGZ0048B
U7, U22	2		INA901HKX/EM	Texas Instruments	Voltage Output, Unidirectional Measurement Current-Shunt Monitor, HKX0008A (CFP-8)	HKX0008A
U8, U23	2		TMP461HKU/EM	Texas Instruments	Space Grade High-Accuracy Remote and Local Temperature Sensor with Pin-Programmable Bus Address, HKU0010A (CFP-10)	HKU0010A
U9, U24	2			Texas Instruments	Low Power Dual Operational Amplifier, 10-pin CerPACK	
U10, U25	2		LM139AWGRLQMLV	Texas Instruments	Low Power Low Offset Voltage Quad Comparator, NAC0014A (CFP-14)	NAC0014A
U12, U27	2			Texas Instruments	12-Bit Micro Power Digital-to-Analog Converter with Rail-to-Rail Output, 10 pin CERPACK	NAC0010A
U13, U15, U16, U28, U30, U31	6		TPS7A4501HKU/EM	Texas Instruments	Wide Vin Low-Dropout Voltage Regulator, HKU0010A (CFP-10)	HKU0010A
U14, U29	2			Texas Instruments	Precision Micropower Shunt Voltage Reference	CFP10
U32, U33	2		TPS7H2201HKR/EM	Texas Instruments	Radiation Hardened 7-V, 6-A Load Switch, HKR0016A (CFP-16)	HKR0016A
Y1, Y2	2		MS3V-T1R 32.768KHZ 7.0 PF	Micro Crystal AG	Crystal, 32.768 KHz, 7pF, SMD	1.4x1.4x5.0mm SMD
C28, C89	0	33pF	GQM2195C1H330JB01D	MuRata	CAP, CERM, 33 pF, 50 V, +/- 5%, C0G/NP0, 0805	805
C43, C103	0	620pF	GRM2165C1H621JA01D	MuRata	CAP, CERM, 620 pF, 50 V, +/- 5%, C0G/NP0, 0805	805
C45, C54, C66, C107, C114, C126	0	10uF	GRM32DR71E106KA12L	MuRata	CAP, CERM, 10 uF, 25 V, +/- 10%, X7R, 1210	1210
C48, C55, C67, C108, C115, C127	0	0.1uF	08053C104JAT2A	AVX	CAP, CERM, 0.1 uF, 25 V, +/- 5%, X7R, 0805	805
C60, C62, C116, C122	0	1uF	08055C105KAT2A	AVX	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, 0805	805

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R4, R7, R22, R103, R107, R113, R114, R115, R119, R120, R122, R136, R137, R138, R143, R157, R173, R228, R234, R240, R241, R242, R248, R249, R251, R263, R264, R265	0	0	5106	Keystone	RES, 0, 1%, 0.5 W, 0805	805
R25, R31, R38, R49, R55, R64	0	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R83, R88, R207, R211	0	1.0k	ERJ-6GEYJ102V	Panasonic	RES, 1.0 k, 5%, 0.125 W, 0805	805
R95, R220	0	10k	ERJ-6GEYJ103V	Panasonic	RES, 10 k, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805

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