

TIDA-010133 REV B Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
!PCB1	1		TIDA-010133	Any	Printed Circuit Board	
C1, C2, C9, C10, C19, C20, C27, C28, C36, C37, C39, C40, C500, C501, C502, C503, C506, C507, C523, C526, C528, C529, C531, C532, C537, C542, C543, C546, C550, C551, C552, C555, C556, C557, C559, C560, C564, C565, C567	39	0.1uF	0402BB104KW500	Passive Plus	CAP, CERM, 0.1 μ F, 50 V, +/- 10%, X7R, 0402	402
C3, C4, C7, C8, C29, C30, C524, C525, C536, C540, C541, C544, C545, C566	14	10uF	CC0805KKX5R8BB106	Yageo	CAP, CERM, 10 μ F, 25 V, +/- 10%, X5R, 0805	805
C5, C6	2	330pF	GRM31A5C2J331JW01D	MuRata	CAP, CERM, 330 pF, 630 V, +/- 5%, C0G/NP0, 1206	1206
C11, C12	2	56pF	GRM1555C1H560JA01D	MuRata	CAP, CERM, 56 pF, 50 V, +/- 5%, C0G/NP0, 0402	402
C13, C104, C113	3	0.10 μ F	GRM155R71C104KA88D	Murata	CAP CER 0.1UF 16V X7R 0402	
C14, C21, C26, C35, C42, C43, C61, C68, C71, C78, C79, C105, C109, C115, C116, C123, C124, C130, C134, C136, C510, C511, C534, C535	24	10uF	C3216X7R1E106M160AE	TDK	CAP, CERM, 10 uF, 25 V, +/- 20%, X7R, 1206_190	1206_190
C15, C16, C23, C24, C48, C49, C50, C51, C57, C96, C97, C98, C99, C512, C513, C530, C538, C539, C549, C568	20	0.1uF	CGA3E2X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603

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C17, C41, C52, C54, C55, C56, C58, C64, C65, C66, C76, C81, C82, C83, C84, C85, C86, C87, C88, C89, C95	21	0.1uF	C0603C104J3RACTU	Kemet	CAP, CERM, 0.1 uF, 25 V, +/- 5%, X7R, 0603	603
C22, C114, C119, C132, C133	5	4.7uF	C0603C475K8PACTU	Kemet	CAP, CERM, 4.7uF, 10V, +/-10%, X5R, 0603	
C25, C38, C129, C547, C561	5	0.01uF	GRM155R71H103KA88D	MuRata	CAP, CERM, 0.01 uF, 50 V, +/- 10%, X7R, 0402	402
C31, C32, C33, C34	4	1000pF	8.85012E+11	Wurth Elektronik	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0402	402
C44, C45, C46, C47	4	0.01uF	03063C103MAT2A	Kyocera AVX	CAP, CERM, 0.01 uF, 25 V, +/- 20%, X7R, 0306	306
C53, C69, C77, C80	4	4700pF	885012206087	Wurth Elektronik	CAP, CERM, 4700 pF, 50 V, +/- 10%, X7R, 0603	603
C70, C504, C505	3	10uF	GRM188R61A106ME69D	MuRata	CAP, CERM, 10 uF, 10 V, +/- 20%, X5R, 0603	603
C90, C91	2	16pF	GRM1885C2A160JA01D	MuRata	CAP, CERM, 16 pF, 100 V, +/- 5%, C0G/NP0, 0603	603
C92, C93, C141	3	1uF	C1608X7R1C105K080AC	TDK	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0603	603
C94, C514	2	100uF	GRM32ER61A107ME20L	MuRata	CAP, CERM, 100 uF, 10 V, +/- 20%, X5R, 1210	1210
C100, C101, C102, C103	4	0.1uF	C1005X7R1E104M050BB	TDK	CAP, CERM, 0.1 uF, 25 V, +/- 20%, X7R, 0402	402
C106, C107, C108, C142, C143	5	22uF	C2012X5R1C226K125AC	TDK	CAP, CERM, 22 uF, 16 V, +/- 10%, X5R, 0805	805
C110, C111, C112, C145, C146	5	22uF	GRM21BD71A226ME44L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 20%, X7T, 0805	805
C117, C118, C125, C126, C127, C128, C137, C138, C139, C140	10		GRM31CR71A226KE15L		Chip Multilayer Ceramic Capacitors for General Purpose, 1206, 22uF, X7R, 15%, 10%, 10V	
C120	1		C1608X5R1C474K080AA		Multilayer Ceramic Capacitors 470nF ±10% 16V X5R SMD 0603	
C121, C122	2	2.2uF	C1608X7R1A225K080AC	TDK	CAP, CERM, 2.2 uF, 10 V, +/- 10%, X7R, 0603	603
C131, C135	2		C1608X5R1A106K080AC		Multilayer Ceramic Capacitors 10uF ±10% 10V X5R SMD 0603	
C144, C147	2	0.22uF	GRM188R71C224KA01D	MuRata	CAP, CERM, 0.22 uF, 16 V, +/- 10%, X7R, 0603	603
C548	1	10uF (DNP)	C3216X7R1V106K160AC	TDK	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, 1206	1206
C554	1	0.1uF	C0603X104K4RACTU	Kemet	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0603	603
C562, C563	2	2pF	C0603C209C5GACTU	Kemet	CAP, CERM, 2 pF, 50 V, +/- 12.5%, C0G/NP0, 0603	603
C569	1	10uF	C3216X7R1V106K160AC	TDK	CAP, CERM, 10 uF, 35 V, +/- 10%, X7R, 1206	1206
D5, D6	2	Green	LTST-C191TGKT	Lite-On	LED, Green, SMD	LED 0603
FB1, FB2	2		BLE18PS080SN1D	Murata	Ferrite Chip Bead 8A 8.5Ohm 2-Pin 0603 Paper T/R	603
FB3	1		BLE18PS080SN1D	Murata	Ferrite Chip Bead 8A 8.5Ohm 2-Pin 0603 Paper T/R	603
H1, H2, H15, H16	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw
H3, H4, H5, H6, H7, H8, H9, H10, H11, H12, H13, H14	12		S1721-46R	Harwin	RFI SHIELD CLIP TIN SMD	RFI SHIELD CLIP TIN SMD
H500, H501, H502, H503	4		1902E	Keystone	Standoff, Hex, 1"L #4-40 Nylon	Standoff

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
J1, J2	2		142-0701-851	Cinch Connectivity	Connector, End launch SMA, 50 ohm, SMT	SMA End Launch
J3, J4, J17, J18, J19, J24, J25, J27, J31, J32	10		22284030	Molex	Header, 2.54mm, 3x1, Tin, TH	Header, 2.54mm, 3x1, Tin, TH
J5	1		1581-2	Pomona Electronics	Banana Jack Red, TH	Banana Jack Red, TH
J7	1		TSW-110-07-G-D	Samtec	Header, 100mil, 10x2, Gold, TH	10x2 Header
J8, J9, J10, J11, J12, J13, J14, J15, J20, J21, J22, J23, J28, J29	14		SASF546-P26-X1	Lighthouse Technologies	Connector, SMA,Vertical, Thru hole w/SMT center pin	6.35x12.52x6.35mm
J16	1		61301021121	Würth Elektronik	Header, 2.54 mm, 5x2, Gold, TH	Header, 2.54mm, 5x2, TH
J26	1		678038020	Molex	MOLEX 67803-8020 MINI USB, 2.0 OTG TYPE AB, RCPT, TH	CONN USB
J30	1		1581-0	Pomona Electronics	Banana Jack Black, TH	Banana Jack Black, TH
L1, L2	2	6.8nH	LQG15WZ6N8J02D	MuRata	Inductor, Multilayer, Air Core, 6.8 nH, 0.7 A, 0.14 ohm, AEC-Q200 Grade 1, SMD	402
L3, L4, L7, L8, L9, L10, L11, L12, L13, L14, L500, L501, L502, L503, L504, L509, L510, L511, L512, L513, L514, L515, L516	23	120 ohm	BLM18SG121TN1D	MuRata	Ferrite Bead, 120 ohm @ 100 MHz, 3 A, 0603	603
L16	1		XGL4020-222MEC		Shielded Power Inductors	
L20, L21, L22	3	26 ohm	BLM18SG260TN1D	MuRata	Ferrite Bead, 26 ohm @ 100 MHz, 6 A, 0603	603
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
MP1, MP2	2		1.0 x 1.5 x 0.25	Fotofab	Standard RF Shield 1.0 x 1.5 x 0.25	RF_SHIELD
R1, R2	2	330	RC0603FR-07330RL	Yageo	RES, 330, 1%, 0.1 W, 0603	603
R3, R4	2	50	FC0603E50R0BTBST1	Vishay Thin Film	RES, 50, 0.1%, 0.125 W, 0603	603
R5, R6	2	30	CRCW040230R0JNED	Vishay-Dale	RES, 30, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R7, R8	2	13.0k	CRCW040213K0FKED	Vishay-Dale	RES, 13.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R9, R10, R81, R107, R115, R126, R127, R128, R129, R130, R132, R141, R142, R147, R148, R533, R556	17	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R11, R12	2	20.0k	CRCW040220K0FKED	Vishay-Dale	RES, 20.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R13, R14	2	787k	CRCW0402787KFKED	Vishay-Dale	RES, 787 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R15, R16	2	10.0Meg	CRCW040210M0FKED	Vishay-Dale	RES, 10.0 M, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R17, R18	2	2.00k	ERJ-2RKF2001X	Panasonic	RES, 2.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0402	402
R19, R20, R180, R181, R536, R537, R543, R544	8	0	ERJ-2GE0R00X	Panasonic	0 Ohms Jumper Chip Resistor 0402 (1005 Metric) Automotive AEC-Q200 Thick Film	402

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R21, R22	2	17.8k	CRCW040217K8FKED	Vishay-Dale	RES, 17.8 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R23, R28, R29, R50, R55, R63, R64, R65, R66, R67, R68, R69, R70, R71, R76, R85, R93, R94, R95, R96, R97, R102, R104, R105, R106, R109, R111, R112, R131, R135, R136, R151, R152, R156, R157, R161, R162, R163, R164, R165, R166, R168, R170, R172, R173, R174, R176, R502, R503, R504, R505, R527, R528	53	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R24, R25, R545, R546	4	1.0k	RC0603JR-071KL	Yageo	RES, 1.0 k, 5%, 0.1 W, 0603	603
R26, R27, R530, R531	4	78.7k	CRCW040278K7FKED	Vishay-Dale	RES, 78.7 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R30, R31, R539, R540	4	1.30k	CRCW04021K30FKED	Vishay-Dale	RES, 1.30 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R32, R33, R34, R35, R38, R39	6	499k	CRCW0402499KFKED	Vishay-Dale	RES, 499 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R36, R37, R158, R159	4	100	CRCW0402100RFKED	Vishay-Dale	RES, 100, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R40, R41, R46, R47	4	15	CRCW040215R0FKED	Vishay-Dale	RES, 15.0, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R42, R43, R44, R45	4	200	CRCW0402200RFKED	Vishay-Dale	RES, 200, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R48, R49, R60, R61	4	75	CRCW060375R0FKEA	Vishay-Dale	RES, 75.0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R51, R52, R56, R57	4	237	CRCW0603237RFKEA	Vishay-Dale	RES, 237, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R53, R54, R58, R59, R79, R86, R100, R119, R120, R123, R124	11	0	CRCW04020000Z0EDHP	Vishay Dale	RES Thick Film, 0Ω, 0.2W, 0402	402
R62	1	200k	CRCW0603200KFKEA	Vishay-Dale	RES, 200 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R72, R73, R74, R75	4	3.74k	RC0603FR-073K74L	Yageo	RES, 3.74 k, 1%, 0.1 W, 0603	603
R77	1	22.1k	CRCW060322K1FKEA	Vishay Dale	RES 22.1K, 1%, 0.1W, 0603	
R80	1	15.4k	CRCW060315K4FKEA	Vishay Dale	RES 15.4K, 1%, 0.1W, 0603	
R82, R171, R178	3	4.87k	ERJ-3EKF4871V	Panasonic	RES, 4.87k, 1%, 0.1W, 0603	

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R83	1	11k	CRCW060311K0FKEA	Vishay Dale	RES 11k, 1%, 0.1W, 0603	
R87	1	21k	CRCW060321K0FKEA	Vishay Dale	RES 21k, 1%, 0.1W, 0603	
R90	1	82k	ERJ3EKF8202V	Panasonic	RES 82k, 1%, 0.1W, 0603	
R91	1	75k	CRCW060375K0FKEA	Vishay Dale	RES 75k, 1%, 0.1W, 0603	
R98	1	51.1k	CRCW060351K1FKEA	Vishay Dale	51.1 kOhms $\pm$ 1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	
R99	1	53.6k	ERJ-3EKF5362V	Panasonic	53.6 kOhms $\pm$ 1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	
R101, R167	2	6m	KRL2012E-M-R006-F-T5	Susumu	6 mOhms $\pm$ 1% 1W Chip Resistor Wide 0805 (2012 Metric), 0508 Automotive AEC-Q200, Current Sense Metal Foil	805
R103	1	57.6k	ERJ-3EKF5762V	Panasonic	57.6 kOhms $\pm$ 1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	
R108	1	28k	ERJ-3EKF2802V	Panasonic	28 kOhms $\pm$ 1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	
R110, R134	2	270	CRCW0603270RJNEA	Vishay-Dale	RES, 270, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R114	1	0	JR0805X35E	Ohmite	0 Ohms Jumper 0.245W Chip Resistor 0805 (2012 Metric) - Metal Element	805
R116, R117	2	33.2k	ERJ-3EKF3322V	Panasonic	33.2 kOhms $\pm$ 1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	
R133	1	2.2k	CRCW06032K20JNEA	Vishay-Dale	RES, 2.2 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R137, R138	2	10	CRCW060310R0FKEAHP	Vishay-Dale	RES, 10.0, 1%, 0.25 W, AEC-Q200 Grade 0, 0603	603
R139	1	12k	CRCW060312K0JNEA	Vishay-Dale	RES, 12 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R140	1	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R143, R144, R145, R146, R154, R155	6	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R169	1	25.5k	ERJ-3EKF2552V	Panasonic	25.5 kOhms $\pm$ 1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	
R175	1	28.7k	ERJ-3EKF2872V	Panasonic	28.7 kOhms $\pm$ 1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	
R177	1	332k	ERJ-3EKF3323V	Panasonic	332 kOhms $\pm$ 1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	
R179	1	102k	ERJ-3EKF1023V	Panasonic	102 kOhms $\pm$ 1% 0.1W, 1/10W Chip Resistor 0603 (1608 Metric) Automotive AEC-Q200 Thick Film	
R500, R501, R517, R518, R520, R521, R522, R523, R525, R526, R535, R538, R541, R542, R547, R549, R550, R554	18	1.00k	RC0603FR-071KL	Yageo	RES, 1.00 k, 1%, 0.1 W, 0603	603
R513, R514, R515, R516	4	1.21k	RC0603FR-071K21L	Yageo	RES, 1.21 k, 1%, 0.1 W, 0603	603
R519, R524, R529, R534	4	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R551, R552	2	200k	CRCW0402200KFKED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
T1, T2	2		WBC1-1TLB	Coilcraft	Wideband RF transformer, SMT, RoHS	SMT_XFRMR_3MM8 1_3MM81
TP1, TP8, TP9, TP11, TP13	5		5011	Keystone Electronics	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint

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TP2, TP3, TP4, TP5, TP6, TP7, TP14	7		5010	Keystone Electronics	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP10, TP12	2		5000	Keystone Electronics	Test Point, Miniature, Red, TH	Red Miniature Testpoint
U1, U2	2		OPA2140AID	Texas Instruments	11 MHz, Precision, Low Noise, Rail-to-Rail Output, JFET Operational Amplifier, 4.5 to 36 V, -40 to 125 degC, 8-pin SOIC (D8), Green (RoHS & no Sb/Br)	D0008A
U3, U4	2		BUF802IRGT	Texas Instruments	BUF802IRGT	VQFN16
U5, U10, U17, U20	4		SN74LVC1G125DBVR	Texas Instruments	Single Bus Buffer Gate With 3-State Outputs, DBV0005A, LARGE T&R	DBV0005A
U6, U33	2		SN74LVC1G126DBVR	Texas Instruments	Single Bus Buffer Gate With 3-State Outputs, DBV0005A (SOT-23-5)	DBV0005A
U7, U8	2		LMH6518SQ NOPB	Texas Instruments	Variable Gain Amplifier 1 Circuit Differential 16-WQFN (4x4)	WQFN16
U9, U14	2		TMUX1574PWR	Texas Instruments	Low-capacitance, 2:1 (SPDT) 4-channel, powered-off protection switch with 1.8 V logic, PW0016A (TSSOP-16)	PW0016A
U11	1		LSF0102DCUR	Texas Instruments	Dual Bidirectional Multi-Voltage Level Translator, DCU0008A (VSSOP-8)	DCU0008A
U12, U27, U29	3		TPS7A9401DSC	Texas Instruments	1-A, Ultra-Low Noise, Ultra-High PSRR, RF Voltage Regulator	WSO10
U13, U16	2		TPS7A3901DSCR	Texas Instruments	Dual, 150mA, Wide-Vin, Positive and Negative Low-Dropout (LDO) Voltage Regulator, DSC0010J (WSO10)	DSC0010J
U15, U28	2		TPSM82913RDUR	Texas Instruments	3-V to 17-V, 3-A Low Noise and Low Ripple Buck Converter Module with Integrated Ferrite Bead Filter Compensation	B0QFN28
U18	1		FT4232HL	FTDI	Quad High Speed USB to Multipurpose UART/MPSSE IC	LQFP_10x10mm
U19	1		93LC46BT-I/SN	Microchip	1K Microwire Compatible Serial EEPROM	SOIC-8
U21	1		TLV70233DBVR	Texas Instruments	Single Output LDO, 300 mA, Fixed 3.3 V Output, 2 to 5.5 V Input, with Low IQ, 5-pin SOT-23 (DBV), -40 to 125 degC, Green (RoHS & no Sb/Br)	DBV0005A
U22, U23	2		TLV3605RVKR	Texas Instruments	1ns High-Speed Comparator with LVDS Outputs, RVK0012A (QFN-12)	RVK0012A
U24	1		DAC80508MRTET	Texas Instruments	8-Channel, True 16-Bit, SPI, Voltage-Output DAC With Precision Internal Reference, RTE0016D (WQFN-16)	RTE0016D
U25	1		TVS1400DRVR	Texas Instruments	14-V Precision Surge Protection Clamp, DRV0006A (WSO6)	DRV0006A
U26	1		LM27762DSSR	Texas Instruments	Low-Noise Positive- and Negative-Output Charge Pump With Integrated LDO, DSS0012B (WSO12)	DSS0012B
U30	1		TPS62913RPUR	Texas Instruments	3V to 17V, 3A Micro Noise (20µVRMS) and Micro Ripple (200µVPP) buck converter	VQFN-HR10
U31	1		TPS7A3301RGWR	Texas Instruments	Vin -3V to -36V, -1A, Ultra-Low-Noise, High-PSRR, Low-Dropout Linear Regulator, RGW0020A (VQFN-20)	RGW0020A
U32	1		TMUX121NKGR	Texas Instruments	2-pF, 3.3-V, 2:1 (SPDT), 2-channel, switch with 1.8-V compatible logic	UQFN10
U500, U501, U503, U505	4		OPA2188AIDGKT	Texas Instruments	0.03µV/°C, 6µV Vos, Low Noise, Rail-to-Rail Output, 36V Zero-Drift Operational Amplifier, DGK0008A (VSSOP-8)	DGK0008A
U502, U507	2		TPL0102-100PWR	Texas Instruments	256-Taps Dual-Channel Digital Potentiometer With I2C Interface and Nonvolatile Memory, PW0014A (TSSOP-14)	PW0014A
U504	1		OPA189IDBVR	Texas Instruments	14MHz, MUX-friendly, low-noise, zero-drift, RRO, CMOS precision operational amplifier, DBV0005A (SOT-23-5)	DBV0005A
U508	1		REF7025QFKHR	Texas Instruments	2 ppm/°C Maximum Drift, 0.23 ppm-p 1/f Noise, Precision Voltage Reference	LCCC8
Y1	1		ABM3-12.000MHZ-D2Y-T	Abracon Corporation	Crystal, 12 MHz, 18 pF, SMD	ABM3
C527, C533, C553, C558	0	0.1uF	CGA3E2X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
FID1, FID2, FID3, FID4, FID5, FID6	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R78, R88, R92, R118, R121, R122, R125	0	0 (DNP)	CRCW04020000Z0EDHP	Vishay Dale	RES Thick Film, 0Ω, 0.2W, 0402	402
R113	0	0 (DNP)	JR0805X35E	Ohmite	0 Ohms Jumper 0.245W Chip Resistor 0805 (2012 Metric) - Metal Element	805
R149, R150	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R508, R532, R548, R553	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R511, R555	0	13.0k	CRCW040213K0FKED	Vishay-Dale	RES, 13.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402

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