

TIDA-010976 REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
PCB1	1		TIDA-010976	Any	Printed Circuit Board	
C1, C2, C3, C4, C5, C6, C13, C14, C15, C16, C17, C18, C19, C20, C197, C198, C199, C200	18	2.2nF	885342208007	Würth Elektronik	WCAP-CSMH Multilayer Ceramic Chip Capacitor, Mid and High Voltage, size 1206, X7R Class II, 2.2nF, 500VDC	
C21_B0, C21_S1, C21_S2, C21_S3, C22_B0, C22_S1, C22_S2, C22_S3, C23_B0, C23_S1, C23_S2, C23_S3, C24_B0, C24_S1, C24_S2, C24_S3, C35, C36, C49, C50, C51, C53, C57, C58, C62_B0, C62_S1, C62_S2, C62_S3, C63_B0, C63_S1, C63_S2, C63_S3, C64_B0, C64_S1, C64_S2, C64_S3, C77_B0, C77_S1, C77_S2, C77_S3, C78_B0, C78_S1, C78_S2, C78_S3, C79_B0, C79_S1, C79_S2, C79_S3, C93_B0, C93_S1, C93_S2, C93_S3, C94_B0, C94_S1, C94_S2, C94_S3, C95_B0, C95_S1, C95_S2, C95_S3, C113_B0, C113_S1, C113_S2, C113_S3	192	0.1uF	GCM155R71H104KE02D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402

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C25_B0, C25_S1, C25_S2, C25_S3, C28_B0, C28_S1, C28_S2, C28_S3, C61_B0, C61_S1, C61_S2, C61_S3, C68_B0, C68_S1, C68_S2, C68_S3, C74_B0, C74_S1, C74_S2, C74_S3, C80_B0, C80_S1, C80_S2, C80_S3, C86_B0, C86_S1, C86_S2, C86_S3, C90_B0, C90_S1, C90_S2, C90_S3, C99_B0, C99_S1, C99_S2, C99_S3, C102_B0, C102_S1, C102_S2, C102_S3, C104_B0, C104_S1, C104_S2, C104_S3, C112_B0, C112_S1, C112_S2, C112_S3, C122_B0, C122_S1, C122_S2	80	4.7nF	885012205065	Wurth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, X7R, 4.7nF, 50VDC	
C26_B0, C26_S1, C26_S2, C26_S3, C27_B0, C27_S1, C27_S2, C27_S3, C29_B0, C29_S1, C29_S2, C29_S3, C30_B0, C30_S1, C30_S2, C30_S3, C59_B0, C59_S1, C59_S2, C59_S3, C60_B0, C60_S1, C60_S2, C60_S3, C66_B0, C66_S1, C66_S2, C66_S3, C67_B0, C67_S1, C67_S2, C67_S3, C69_B0, C69_S1, C69_S2, C69_S3, C70_B0, C70_S1, C70_S2, C70_S3, C72_B0, C72_S1, C72_S2, C72_S3, C73_B0, C73_S1, C73_S2, C73_S3, C75_B0, C75_S1, C75_S2, C75_S3, C76_B0, C76_S1, C76_S2, C76_S3, C82_B0, C82_S1, C82_S2, C82_S3, C83_B0, C83_S1, C83_S2, C83_S3, C84_B0, C84_S1	160	22nF	CGA3E2X7R2A223K080AA	TDK	Cap Ceramic 22nF 100V X7R 10% Pad SMD 0603 +125°C Automotive T/R	603

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C31	1	2.2uF	C1005X5R1E225K050BC	TDK	CAP, CERM, 2.2 uF, 25 V, +/- 10%, X5R, 0402	402
C32, C33, C34, C54, C216, C217	6	1uF	C1005X5R1E105K050BC	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X5R, 0402	402
C38, C39	2	12pF	GCM1555C1H120JA16J	MuRata	CAP, CERM, 12 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0402	402
C40, C42	2	12pF	GCQ0335C1H120GB01D	Murata	High Q Chip Multilayer Ceramic Capacitors for Automotive 12pF ±2% 50Vdc 0201	201
C41, C44, C47	3	1pF	GCQ0335C1H1R0WB01D	Murata	1pF ±0.05pF 50V Ceramic Capacitor C0G 0201 (0603 Metric)	201
C43	1	5.6pF	GCQ0335C1H5R6WB01D	Murata	5.6pF ±0.05pF 50V Ceramic Capacitor C0G 0201 (0603 Metric)	201
C48, C52, C56	3	22uF	885012107005	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X5R, 22µF, 6.3VDC	
C55	1	10nF	885012205067	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, X7R, 10nF, 50VDC	
C65_B0, C65_S1, C65_S2, C65_S3	4	4.7uF	885012207025	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X7R, 4.7µF, 10VDC	
C71_B0, C71_S1, C71_S2, C71_S3	4	10nF	885012206114	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 10nF, 100VDC	
C81_B0, C81_S1, C81_S2, C81_S3, C96_B0, C96_S1, C96_S2, C96_S3	8	1uF	885012206052	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 1µF, 16VDC	
C87_B0, C87_S1, C87_S2, C87_S3, C105_B0, C105_S1, C105_S2, C105_S3	8	470nF	885012206050	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 470nF, 16VDC	
C108	1	3.3uF	CKG57NX7T2E335M500JH	TDK	CAP, CERM, 3.3 uF, 250 V, +/- 20%, X7T, AEC-Q200 Grade 1, 6x5x5mm	6x5x5mm
C141	1	47nF	885012205035	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, X7R, 47nF, 16VDC	
C143	1	2.2nF	885012205063	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, X7R, 2.2nF, 50VDC	
C144, C145, C146, C150	4	1µF	1812Y2500105KXTWS2	Knowles Syfer	1 µF ±10% 250V Ceramic Capacitor X7R 1812 (4532 Metric)	1812
C155	1	3.3nF	885012205064	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, X7R, 3.3nF, 50VDC	
C156	1	68pF	885012005060	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0402, NP0, 68pF, 50VDC	
C157, C158	2	22uF	885012208019	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 1206, X7R, 22µF, 10VDC	
C171_B0, C171_S1, C171_S2, C171_S3, C177_B0, C177_S1, C177_S2, C177_S3	8	150nF	885012208119	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 1206, X7R, 150nF, 100VDC	
C172, C173	2	1uF	18122C105KAT2A	AVX	CAP, CERM, 1 µF, 200 V, +/- 10%, X7R, 1812	1812
C175	1	1uF	885342214002	Würth Elektronik	WCAP-CSMH Multilayer Ceramic Chip Capacitor, Mid and High Voltage, size 2220, X7R Class II, 1µF, 250VDC	2220
C176	1	68pF	GRM21A5C2E680JW01D	MuRata	CAP, CERM, 68 pF, 250 V, +/- 5%, C0G/NP0, 0805	805
C191_B0, C191_S1, C191_S2, C191_S3, C192_B0, C192_S1, C192_S2, C192_S3	8	10nF	885012206089R	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 10nF, 50VDC	

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C193_B0, C193_S1, C193_S2, C193_S3, C194_B0, C194_S1, C194_S2, C194_S3, C195_B0, C195_S1, C195_S2, C195_S3, C196_B0, C196_S1, C196_S2, C196_S3	16	220pF	885012206079	Würth Elektronik	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 220pF, 50VDC	
D1	1	Red	150080RS75000	Würth Elektronik	LED, Red, SMD	LED_0805
D2	1	91V	SMBJ5377B-TP	Micro Commercial Componen	Diode, Zener, 91 V, 5 W, SMB	SMB
D3	1	Green	150060VS75000	Würth Elektronik	LED, Green, SMD	LED_0603
D4	1	Red	150060RS75000	Würth Elektronik	LED, Red, SMD	LED_0603
D5	1	20V	B0520LW-7-F	Diodes Inc.	Diode, Schottky, 20 V, 0.5 A, SOD-123	SOD-123
D6_B0, D6_S1, D6_S2, D6_S3	4	150V	ES1C-13-F	Diodes Inc.	Diode, Superfast Rectifier, 150 V, 1 A, SMA	SMA
D7_B0, D7_S1, D7_S2, D7_S3, D8_B0, D8_S1, D8_S2, D8_S3	8	SOD	SMD16PL-TP	Micro Commercial Co	SMD16PL Series 60 V 1 A Surface Mount Schottky Rectifier - SOD-123FL	SOD123FL
D10_B0, D10_S1, D10_S2, D10_S3, D11_B0, D11_S1, D11_S2, D11_S3, D12_B0, D12_S1, D12_S2, D12_S3	12	64V	SMBJ64A-13-F	Diodes Inc.	Diode, TVS, Uni, 64 V, 103 Vc, SMB	SMB
D13_B0, D13_S1, D13_S2, D13_S3, D14_B0, D14_S1, D14_S2, D14_S3	8	64V	SMAJ64A	Littelfuse	Diode, TVS, Uni, 64 V, 103 Vc, 400 W, 3.9 A, SMA	SMA
D15_B0, D15_S1, D15_S2, D15_S3	4	Green	150080GS75000	Würth Elektronik	LED, Green, SMD	LED__0805
D17_B0, D17_S1, D17_S2, D17_S3, D18_B0, D18_S1, D18_S2, D18_S3	8	protection	ESD652DBZR	Texas Instruments	18V two-channel bidirectional ESD protection diode	SOT23-3
E1	1	or	ANTENNA DN007A	N/A	2.4GHz PCB Antenna. There is nothing to buy or mount.	SMD, 3-Leads
J1_B0, J1_S1, J1_S2, J1_S3	4	40pins	141114-214010	BEIJIDA ELECTRONICS TEC	2.00mm Wafer, Right Angle Connector, 40pins, Key-A With CPA Feature	HDR40
J5	1	Gold	FTSH-105-01-F-DV-K	Samtec	Header (Shrouded), 1.27mm, 5x2, Gold, SMT	Header(Shrouded), 1.27mm, 5x2, SMT
J7	1	Hole	6.0312E+13	Würth Electronics	SMA Connector Jack, Female Socket 50Ohm Through Hole Solder	CONN SMA_PTH
L1	1	1uH	74438335010	Würth Elektronik	Inductor, Shielded, 1 uH, 2.7 A, 0.039 ohm, SMD	3x3mm
L3, L6	2	3.7nH	LQP03TN3N7BZ2J	Murata	Inductor 3.7nH, Size Code 0603 (0201), High Q, Wide Variation. AEC-Q200	603
L4, L5	2	3.4nH	LQP03TN3N4BZ2B	Murata	Film type RF Inductor for Automotive 3.4nH ±0.1nH 450mA 0.25Ω 0201 (0603)	0201 (0603)
L7	1	1500 ohm	742792691	Würth Elektronik	Ferrite Bead, 1500 ohm @ 100 MHz, 0.05 A, 0603	603
L8	1	0.9A	74479777268	Würth Elektronik	WE-PMI SMT Power Multilayer Inductor, size 0805, 6.8uH, 0.9A, 375mOhm	
L11	1	0.58A	74408943820	Würth Elektronik	WE-SPC SMT Power Inductor, size 4838, 82uH, 0.58A, 0.75Ohm	
MP1, MP2, MP3, MP4, MP6, MP7, MP8	7	H1	S0961-46R	Harwin Inc.	SHIELD (T0.3) CAN CLIP L6.50*W1.0*H1.28mm	SMT_CAN_CLIP
Q1_B0, Q1_S1, Q1_S2, Q1_S3	4	20V	RE1C002UNTCL	Rohm	MOSFET, N-CH, 20 V, 0.2 A, AEC-Q101, SC-89	SC-89
Q2	1	-20V	DMP22D6UT-7	Diodes Inc.	MOSFET, P-CH, -20 V, -0.43 A, AEC-Q101, SOT-523	SOT-523
Q3_B0, Q3_S1, Q3_S2, Q3_S3	4	150 V	ZXTN4004KTC	Diodes Inc.	Transistor, NPN, 150 V, 1 A, AEC-Q101, DPAK	DPAK

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Q4	1	300 V	MMBTA42	NXP Semiconductor	Transistor, NPN, 300 V, 0.1 A, SOT-23	SOT-23
Q9	1	400V	FZT458TA	Diodes Inc.	Bipolar (BJT) Transistor NPN 400 V 300 mA 50MHz 2 W Surface Mount SOT-223-3	SOT-223
R1, R25, R125_B0, R125_S1, R125_S2, R125_S3	6	0	RC0603JR-070RL	Yageo	RES, 0, 5%, 0.1 W, 0603	603
R2	1	300k	CRCW0402300KFKE	Vishay-Dale	RES, 300 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R3, R4, R5	3	200	CRCW0402200RFKE	Vishay-Dale	RES, 200, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R6, R135, R177, R178	4	200	CRM2512-FX-2000ELF	Bourns	RES, 200, 1%, 2 W, 2512	2512
R7_B0, R7_S1, R7_S2, R7_S3, R8_B0, R8_S1, R8_S2, R8_S3, R9_B0, R9_S1, R9_S2, R9_S3, R10_B0, R10_S1, R10_S2, R10_S3, R11_B0, R11_S1, R11_S2, R11_S3, R12_B0, R12_S1, R12_S2, R12_S3, R13_B0, R13_S1, R13_S2, R13_S3, R14_B0, R14_S1, R14_S2, R14_S3, R15_B0, R15_S1, R15_S2, R15_S3, R16_B0, R16_S1, R16_S2, R16_S3, R17_B0, R17_S1, R17_S2, R17_S3, R18_B0, R18_S1, R18_S2, R18_S3, R21_B0, R21_S1, R21_S2, R21_S3, R22_B0, R22_S1, R22_S2, R22_S3, R23_B0, R23_S1, R23_S2, R23_S3, R24_B0, R24_S1, R24_S2, R24_S3, R26_B0, R26_S1	304	68	HPCR0805J68R0KT	RESI	RES, 68, 5%, 0.125 W, AEC-Q200 Grade 0, 0805	805

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R19_B0, R19_S1, R19_S2, R19_S3, R20_B0, R20_S1, R20_S2, R20_S3, R37_B0, R37_S1, R37_S2, R37_S3, R51_B0, R51_S1, R51_S2, R51_S3, R53_B0, R53_S1, R53_S2, R53_S3, R63_B0, R63_S1, R63_S2, R63_S3, R67_B0, R67_S1, R67_S2, R67_S3, R71_B0, R71_S1, R71_S2, R71_S3, R81_B0, R81_S1, R81_S2, R81_S3, R83_B0, R83_S1, R83_S2, R83_S3, R90_B0, R90_S1, R90_S2, R90_S3, R97_B0, R97_S1, R97_S2, R97_S3, R98_B0, R98_S1, R98_S2, R98_S3, R108_B0, R108_S1, R108_S2, R108_S3, R114_B0, R114_S1, R114_S2	76	1.00k	CRCW04021K00FKED	Vishay-Dale	RES, 1.00 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R27, R31, R32, R44	4	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R28, R29	2	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402

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R34, R159_B0, R159_S1, R159_S2, R159_S3, R160_B0, R160_S1, R160_S2, R160_S3, R161_B0, R161_S1, R161_S2, R161_S3, R162_B0, R162_S1, R162_S2, R162_S3, R163_B0, R163_S1, R163_S2, R163_S3, R164_B0, R164_S1, R164_S2, R164_S3, R171_B0, R171_S1, R171_S2, R171_S3, R172_B0, R172_S1, R172_S2, R172_S3, R173_B0	49	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R35, R122_B0, R122_S1, R122_S2, R122_S3	5	10Meg	CRCW060310M0JNEA	Vishay-Dale	RES, 10 M, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R36, R38, R112_B0, R112_S1, R112_S2, R112_S3, R113	7	3.3k	CRCW04023K30JNED	Vishay-Dale	RES, 3.3 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R52_B0, R52_S1, R52_S2, R52_S3	4	60.4	CRCW080560R4FKEA	Vishay-Dale	RES, 60.4, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
R82_B0, R82_S1, R82_S2, R82_S3	4	511	CRCW0402511RFKED	Vishay-Dale	RES, 511, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R123, R143, R145	3	10.0Meg	RC0201FR-0710ML	Yageo America	RES, 10.0 M, 1%, 0.05 W, 0201	201

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R126_B0, R126_S1, R126_S2, R126_S3, R130_B0, R130_S1, R130_S2, R130_S3, R132_B0, R132_S1, R132_S2, R132_S3, R137_B0, R137_S1, R137_S2, R137_S3, R139_B0, R139_S1, R139_S2, R139_S3, R140_B0, R140_S1, R140_S2, R140_S3, R180_B0, R180_S1, R180_S2, R180_S3, R181_B0, R181_S1, R181_S2, R181_S3, R182_B0	80	10.0k	MCS0402MD1002BE100	Vishay/Beyschlag	RES, 10.0 k, 0.1%, 0.1 W, AEC-Q200 Grade 0, 0402	402
R127_B0, R127_S1, R127_S2, R127_S3, R128_B0, R128_S1, R128_S2, R128_S3, R129_B0, R129_S1, R129_S2, R129_S3, R131_B0, R131_S1, R131_S2, R131_S3, R136_B0, R136_S1, R136_S2, R136_S3, R138_B0, R138_S1, R138_S2, R138_S3, R141_B0, R141_S1, R141_S2, R141_S3, R142_B0, R142_S1, R142_S2, R142_S3	32	1.0k	CRCW04021K00JNED	Vishay-Dale	RES, 1.0 k, 5%, 0.063 W, AEC-Q200 Grade 0, 0402	402

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
R133_B0, R133_S1, R133_S2, R133_S3	4	100	CRCW2010100RFKEF	Vishay-Dale	RES, 100, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R134_B0, R134_S1, R134_S2, R134_S3	4	200	CRCW2010200RFKEF	Vishay-Dale	RES, 200, 1%, 0.75 W, AEC-Q200 Grade 0, 2010	2010
R144_B0, R144_S1, R144_S2, R144_S3, R147_B0, R147_S1, R147_S2, R147_S3, R166_B0, R166_S1, R166_S2, R166_S3, R169_B0, R169_S1, R169_S2, R169_S3	16	51	CRCW060351R0JNEA	Vishay-Dale	RES, 51, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R149_B0, R149_S1, R149_S2, R149_S3, R150_B0, R150_S1, R150_S2, R150_S3, R153_B0, R153_S1, R153_S2, R153_S3, R158_B0, R158_S1, R158_S2, R158_S3	16	510	CRCW0603510RJNEA	Vishay-Dale	RES, 510, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
R154	1	174k	RT0603DRE07174KL	Yageo America	RES, 174 k, 0.5%, 0.1 W, 0603	603
R155	1	459k	RT0603BRD07459KL	Yageo America	RES, 459 k, 0.1%, 0.1 W, 0603	603
R156	1	30.0k	CRCW040230K0FKED	Vishay-Dale	RES, 30.0 k, 1%, 0.063 W, AEC-Q200 Grade 0, 0402	402
R157	1	140k	RT0603BRD07140KL	Yageo America	RES, 140 k, 0.1%, 0.1 W, 0603	603
R179	1	10.0Meg	CRCW120610M0FKEA	Vishay-Dale	RES, 10.0 M, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
R242	1	1.0k	CRCW12061K00JNEA	Vishay-Dale	RES, 1.0 k, 5%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
RT1_B0, RT1_S1, RT1_S2, RT1_S3, RT2_B0, RT2_S1, RT2_S2, RT2_S3, RT3_B0, RT3_S1, RT3_S2, RT3_S3, RT4_B0, RT4_S1, RT4_S2, RT4_S3	16	10k	TMP6131DYAT	Texas Instruments	±1% tolerance 10kΩ linear thermistor available in 0402 and 0603 package options 2-SOT-5X3 -40 to 125	SOD-523
S1	1	12V	RS-032G05A3-SM RT	C&K Components	Switch, Tactile, SPST-NO, 0.05A, 12V, SMD	SPST, 6x3.5mm
U1_B0, U1_S1, U1_S2, U1_S3	4	Battery	BQ78706PAP	Texas Instruments	Functional Safety-Compliant 14S Battery Monitor	HTQFP64
U2_B0, U2_S1, U2_S2, U2_S3, U8_B0, U8_S1, U8_S2, U8_S3	8	0.33402778	TMUX1308PWR	Texas Instruments	5-V, 8: 1, 1-channel general-purpose multiplexer with 1.8-V logic control 16-TSSOP -40 to 125	TSSOP16
U3	1	-40 to 125 degC	TPS71533DCKR	Texas Instruments	Single Output Automotive LDO, 50 mA, Fixed 3.3 V Output, 3 to 24 V Input, 5-pin SC70 (DCK), -40 to 125 degC, Green (RoHS & no Sb/Br)	DCK0005A
U4	1	Watchdog	TPS3436BDADADDFRQ1	Texas Instruments	Automotive Nano IQ Precision Window Watchdog Timer	SOT-23-8

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
U5	1	10-pin UQFN (RSE)	TPD6E001RSER	Texas Instruments	Low-Capacitance + / - 15 kV ESD Protection Array for High-Speed Data Interfaces, 6 Channels, -40 to +85 degC, 10-pin UQFN (RSE), Green (RoHS & no Sb/Br)	RSE0010A
U6	1	Push	LSF0204PWR	Texas Instruments	4-Bit Bidirectional Multi-Voltage Level Translator for Open-Drain & Push-Pull	SOP14
U7	1	VQFN	CC2662R1FTWRGZRQ1	Texas Instruments	SimpleLink(TM) Bluetooth(R) 5 low energy Wireless MCU, RGZ0048A (VQFN-48)	RGZ0048A
U14	1	buck	LM5168PDDAR	Texas Instruments	0.3-A,120-V, Step-Down Converter with Fly-buck Capability	SO8 PowerPAD
Y1	1	7 pF	CX2016DB48000C0FPLC1	Kyocera	Crystal, 48 MHz, 10 ppm, 7 pF, SMD	2x1.6mm
Y2	1	7pF	FC-135 32.7680KA-AG0	Epson	Crystal, 32.768 kHz, 7pF, SMD	3.2x1.5mm

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