

Fitted	Description	Designator	PartNumber	Quantity	Manufacturer	PackageReference	Value
Fitted	Printed Circuit Board	PCB?	TIDA-00948	1	Any		
Fitted	PCB Antenna. There is nothing to buy or mount.	A1	ANTENNA_1_HELICAL	1	N/A	Antenna	
Fitted	Battery Holder , Nylon, CR2, SMT	BT1	1010	1	Keystone	Battery holder	
Fitted	CAP, AL, 1200 µF, 10 V, +/- 20%, TH	C1	ELFUMA122	1	Panasonic	10x20	1200µF
Fitted	CAP, CERM, 3.6 µF, 50V, +/- 5%, COG/NPO, 0402	C11, C22	GRM1555C1H5R0C A010	2	MuRata	0402	3.6µF
Fitted	CAP, CERM, 2.7 µF, 50V, +/- 5%, COG/NPO, 0402	C12	GRM1555C1H2R7C A010	1	MuRata	0402	2.7µF
Fitted	CAP, CERM, 6.2 µF, 50V, +/- 5%, COG/NPO, 0402	C13	GRM1555C1H6R0C A010	1	MuRata	0402	6.2µF
Fitted	CAP, CERM, 3.3 µF, 50V, +/- 5%, COG/NPO, 0402	C14	GRM1555C1H3R3C A010	1	MuRata	0402	3.3µF
Fitted	CAP, CERM, 1.0 µF, 50V, +/- 5%, COG/NPO, 0402	C15, C21	GRM1555C1H01J A010	2	MuRata	0402	100µF
Fitted	CAP, CERM, 1 µF, 50V, +/- 5%, COG/NPO, 0402	C16	GRM1555C1H1R0C A010	1	MuRata	0402	1µF
Fitted	CAP, CERM, 12 µF, 50V, +/- 5%, COG/NPO, 0402	C51, C52, C65L, C471	GRM1555C1H12J A010	4	MuRata	0402	12µF
Fitted	CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, X7R, 0402	C331, C221, C65L, C441, C55L, C65L, C462	GRM155F01J04K A010	7	MuRata	0402	0.1µF
Fitted	CAP, CERM, 1 µF, 10 V, +/- 10%, X5R, 0402	C231	GRM155F61A10K B010	1	MuRata	0402	1µF
Fitted	CAP, CERM, 22 µF, 6.3 V, +/- 20%, X5R, 0603	C331, C341	GRM188R02220M B010	2	MuRata	0603	22µF
Fitted	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X5R, 0402	C342, C343	GRM155F61E104K A67D	2	MuRata	0402	0.1µF
Fitted	Radial mark. There is nothing to buy or mount.	PC1, PC2, PC3	N/A	3	N/A	N/A	
Fitted	Bump-on-Hemisphere, 0.44 X 0.20, Clear	H6, H10, H11	S2-5303 (CLEAR)	3	3M	Transparent Bump-on	
Fitted	Header, 100mil, 3d, Gold, SMT	J1	TSM-103-01-L-SV	1	Semtec	Semtec, TSM-103-01-X-SV	
Fitted	Header, TH, 100mil, 3d, Gold plated, 250 mil above insulator	J2, J3, J20, J21, J22	TSM-103-07-G-S	5	Semtec	3d Header	
Fitted	Header, 1.27mm, 5d, SMT	J6	8802-B5S01-KA5-05800	1	QuadConn	Header, 1.27mm, 5d, SMT	
Fitted	SMA Straight Jack, Gold, 50 ohm, TH	J6	901-144-8FFX	1	Amphenol RF	SMA Straight Jack, TH	
Fitted	Header, 100mil, 3d, Gold, SMD	J32, J33	HW-02-15-T-S-340 SM	2	Semtec	SMD, 2 Leads, Body 100x200mil, Pitch 100mil	
Fitted	Inductor, Wirewound, 18 nH, 0.37 A, 0.27 ohm, SMD	L11	LQM15AN18N100 D	1	MuRata	1x 5x 5mm	18nH
Fitted	Inductor, Wirewound, 7.5 nH, 0.57 A, 0.13 ohm, SMD	L12, L21	LQM15AN7H5000 D	2	MuRata	1x 5x 5mm	7.5nH
Fitted	Inductor, Wirewound, 6.8 nH, 0.7 A, 0.09 ohm, SMD	L13, L14	LQM15AN6H6000 D	2	MuRata	1x 5x 5mm	6.8nH
Fitted	Inductor, Wirewound, 12 nH, 0.5 A, 0.14 ohm, SMD	L15	LQM15AN12N100 D	1	MuRata	1x 5x 5mm	12nH
Fitted	Inductor, Multilayer, Ferrite, 6.8 µH, 0.11 A, 0.25 ohm, SMD	L331	ML22012N5R8L100 D	1	TDK	0805	6.8µH
Fitted	LCI, 36 segments, 4-MUX, TH	LC01	BTU002	1	Texas Instruments	44x20mm	
Fitted	RES, 10 M, 5%, 0.063W, AEC-Q200 Grade 0, 0402	R6, R2, R3, R4, R7, R8, R9, R10, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R25, R26, R27	CP04V040210M0JNE0	21	WuShay Dale	0402	10MΩ
Fitted	RES, 0.5%, 0.063W, 0402	R11, R12, R14	CP04V0402000J01E0	3	WuShay Dale	0402	0
Fitted	RES, 1.00 M, 1%, 0.063W, AEC-Q200 Grade 0, 0402	R18, R19, R20, R14, R16	CP04V04221M0RFE0	5	WuShay Dale	0402	1.00MΩ
Fitted	RES, 2.00 M, 1%, 0.063W, AEC-Q200 Grade 0, 0402	R19, R11, R13, R15, R17	CP04V0422M0RFE0	5	WuShay Dale	0402	2.00MΩ
Fitted	RES, 100k, 1%, 0.1W, 0402	R61	BR02HF100DX	1	Panasonic	0402	100k
Fitted	SimpleLink SUB-1 GHz Ultra-Low Power Wireless Microcontroller, REZD048A (VQFN-48)	U5	CC1310F128FG2R	1	Texas Instruments	FC20048A	
Fitted	Crystal, 32.768 KHz, 12.5 pF, SMD	X1	PC135-32.768KVA-A3	1	Epson	SMD, 2 Leads, Body 3.2x1.5mm	
Fitted	Crystal, 24 MHz, 9 pF, SMD	X2	TSX-3225 24.0000M±20C-AC3	1	Epson	SMD, 4 Leads, Body 2.6x3.35mm, Height 0.6mm	
Not Fitted	CAP, CERM, 0.1 µF, 25 V, +/- 10%, X5R, 0402	C41	GRM155F61E104K A67D	0	MuRata	0402	0.1µF
Not Fitted	Header, 50mil, 3d, Gold, TH	J8, J11	BS0-10-003-10-001000	0	OMII-Max	Header, 1.27mm, 3d, Gold, Straight, TH	
Not Fitted	SINGLE-SHOT-TIMER, INVERTING GATE, DMX005A	U2	SN74V4C1CD4DBM	0	Texas Instruments	DMX005A	

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