

CC1180DB rev 1.1.0

Ref.	Part name	Pos/Unit	Description	Manufacturer	Part number	Supplier	Ordering code	Alt. Manufacturer	Alt. Part number	Alt. Supplier	Alt. Ordering code	Comments
B1	2XAAA	1	2XAAA battery holder, 2CELL AAA PC MNT	Keystone		2468	Diakey				2468K-ND	
U1	CC1180	1	6LoWPAN Network Processor	TI	CC1180	TI	CC1180				CC1180	
C5:C13:C15:C21:C30:C34:C191:C221:C251:C261:C291	C_100N_0402_X5R_K_10	11	Capacitor, 100n, 0402, X5R, 10%, 10V	Murata	GRM1555R71A104KA01D							
C234-235	C_100P_0402_NPO_J_50	2	Capacitor, 100p, 0402, NPO, 5%, 50V	Murata	GRM1555C1H101JZ01D							
C2	C_100U_1210_X5R_M_6P3	1	Capacitor, 100u, 1210, X5R, 20%, 6.3V	Murata	GRM32EE70S107ME19L							
C211:C236	C_12P_0402_NPO_J_50	2	Capacitor, 12p, 0402, NPO, 5%, 50V	Murata	GRM1555C1H120JZ01D							
C31-32:C171:C181:C201	C_15P_0402_NPO_J_50	5	Capacitor, 15p, 0402, NPO, 5%, 50V	Murata	GRM1555C1H150JZ01D							
C311	C_1N_0402_NPO_J_50	1	Capacitor, 1n, 0402, NPO, 5%, 50V	Murata	GRM1555C1H102JA01D							
C231	C_1P0_0402_NPO_C_50	1	Capacitor, 1p, 0402, NPO, +/-0.25pF, 50V	Murata	GRM1555C1H1R0CZ01D							
C232:C241	C_1P5_0402_NPO_C_50	2	Capacitor, 1p5, 0402, NPO, +/-0.25pF, 50V	Murata	GRM1555C1H1R5CZ01D							
C301	C_1U_0402_X5R_K_6P3	1	Capacitor, 1u, 0402, X5R, 10%, 6.3V	Murata	GRM155R6J105KE19D							
C4	C_2N2_0603_X7R_K_50	1	Capacitor, 2n2, 0603, X7R, 10%, 50V	Murata	GRM188R71H22KA01D							
C233	C_3P3_0402_NPO_C_50	1	Capacitor, 3p3, 0402, NPO, +/-0.25pF, 50V	Murata	GRM1555C1H3R3CZ01D							
C33	C_470N_0402_X5R_K_6P3	1	Capacitor, 470n, 0402, X5R, 10%, 6.3V	Murata	GRM155R6J474KE19D							
C7:C12	C_4U7_0603_X5R_K_6	2	Capacitor, 4u7, 0603, X5R, 10%, 6.3V	Murata	GRM188R6J475KE19D							
D1:D3	LED_EL19-21SRC	2	LED, red, 0603, 1.7V, 19mcd	Everlight	19-21SDRC/S530-A3/TR8	ELFA					75-308-01	
D2:D4	LED_EL19-21SYGC	2	LED, green, 0603, 2.0V, 19mcd	Everlight	19-21SYGC/S530-E1/TR8	ELFA					75-312-47	
L231:L233-234:L241	L_12N_0402_J_LQW	4	Inductor, 12n, 0402, +/-5%, wire-wound type	Murata	LOW15AN12NJ00D							
L235	L_15N_0402_J_LQW	1	Inductor, 15n, 0402, +/-5%, wire-wound type	Murata	LOW15AN15NJ00D							
L232:L242	L_18N_0402_J_LQW	2	Inductor, 18n, 0402, +/-5%, wire-wound type	Murata	LOW15AN18NJ00D							
L1-2	L_BEAD_102_0402	2	EMI filter bead, 0402 1Kohms Tape GHz Band Gen Use	Murata	BLM15HG102SN1D	ACTE						
U4	MSP430F5438AIPZ	1	100 pins microcontroller	TI	MSP430F5438AIPZ	Arrow						
P1	PINROW_SMD_2X2_2.54MM	1	2x2 pinrow, 2.54mm pitch, SMD type	GradConn	BB02-HP041-KB3-060B00	Freiber						
P2	PINROW_SMD_2X7_2.54MM_DEBUG	1	JTAG SMD Connector	GradConn	BB02-HR141-K09-00000	Freiber						
S1-5	PUSH_BUTTON_SKRK	5	Momentary push-button, SMD 3.9*2.9*2 mm	Alps	SKRKAEE010	OXYGEN				Uni-Chm		Deltron
R1;R5	R_0402	2	Resistor, general, 0402; Do not mount									
R13	R_0_0603	1	Resistor, 0 ohm, 0603, +/-1%	Koa	RK73Z1JTTD	ELFA					60-440-02	
R12	R_10_0402_J	1	Resistor, 10 ohms, 0402, 5%	Koa	RK73H1ETTP10R0F (+1%	ELFA					60-470-96	
R3-4;R10-11	R_270_0402_F	4	Resistor, 270 ohms, 0402, +/-1%	Koa	RK73H1E270RF-MR or RK	ELFA					60-485-61 or 60-477-73	
R311	R_2K7_0402_F	1	Resistor, 2k7 ohms, 0402, +/-1%	Koa	RK73H1ETTP2701F	ELFA					60-482-50	
R14	R_47K_0402_F	1	Resistor, 47k ohms, 0402, +/-1%	Koa	RK73H1ETTP4702F	ELFA					60-488-54	
R271	R_56K_0402_F	1	Resistor, 56k ohms, 0402, +/-1%	Koa	RK73H1ETTP5602F	ELFA					60-488-96	
DEBUG	STL21	1	10 pins connector	MPE-Garry GmbH	STL21-AD1X4-010-TRU	Freiber						
X1	X_26.000/20/40/40/10	1	Crystal, 26.000000MHz, 10.0pF, 50 ohms max, 20/40 ppm,	NDK	NX3225GA, EXS00A-CG0	NDK					NX3225GA, EXS00A-CG	
X2-3	X_32.768/20/50/40/12	2	Crystal, 32.768 kHz, 12.5pF, 20/50 ppm, SMD package	Epson Toyocorn	MC-306	ACTE					Q13MC3061000314	

Total number of components

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