

# Bill of materials (BOM)

Description	Manufacturer	Manufacturer PN	Quantity	Designator
PCB, XBee Grove Development Board			1	PCB1
HDR,STR S.ROW .100C 02P	SAMTEC	TSW-102-07-L-S	1	P10
SMPOT,10K .125W 20% 1TURN	BOURNS	3313J-1-103E	1	R10
SMRES,0R 0402 .063W FILM	VISHAY DALE	CRCW04020000ZOED	6	R1, R2, R4, R7, R8, R9
SMRES,220R 0402 .063 1% FILM	VISHAY DALE	CRCW0402220RFKED	1	R15
SMRES,1K OHM 0402 .063W 1%	KOA	RK73H1ETTP1001F	6	R5,R6,R11,R12,R13,R14
SMRES,10.0K 0402 00.063W 1%	VISHAY	CRCW040210K0FKED	1	R3
SMCAP,0.01uF 0402 X7R 16V 10%	AVX	0402YC103KAT2A	1	C3
SMCAP,0.1uF 10% 10V X5R 0402	AVX	0402ZD104KAT2A	5	C2,C5,C8,C9,C10
SMCAP,10uF 0402 10V X5R 20%	SAMSUNG	CL05A106MP5NUNC	4	C1,C4,C6,C7
SMIC,USB TO SERIAL PORT CTRL	FUTURE	FT232RL	1	U1
SMFET,P-CHAN 4A 20V SOT23	VISHAY	SI2323DS E3	1	Q1
SMLLED,RED,CLEAR,2.1V	LITEON	LTST-C190CKT	1	DS1
SMLLED,BLUE,CLEAR 2.1V	LITEON	LTST-C190TBKT	3	DS3, DS4, DS6
SMDIO,Schottky 20V 1A SOD323	ON SEMI	NSR1020MW2T1G	2	D1, D2
SMLLED,YELLOW,CLEAR 0603 SMD	LITEON	LTST-C190YKT	2	DS2, DS5
SMREG,RT9167 3.3V .5A SOT-23-5	RICHTEK	RT9167/A-33BG	1	U2
Jumper black RM2,5 gesch hvg	MOLEX	15-29-1025	2	JP3, JP4
SMCONN,USB MICRO B R/A TOP MOUNT	FCI	10103592-0001LF	1	J5

HDR,STR S. ROW .100C 03P EXT	SAMTEC	TSW-103-07-G-S	1	P11
HDR,STR 1Row 4P 2mm, Grove	SEED	ACC391450	6	P1, P2, P3, P4, P5, P6
HDR,STR 1Row 2P 2mm, PH	JST	B2B-PH-K-S	1	P7
SOCKET, 2MM 1 Row 10p Thru Hole	MILL-MAX	831-43-010-10-001000	2	J1, J2
SMCHOKER,120UH COMMON MODE	MURATA	DLW21SN121SQ2L	1	L2
SMFERR,BEAD EMI 0805 600ohm 2A	TDK	MPZ2012S601AT	2	L1, L3
SMSWITCH,SPST 6.8 X 6.8MM J BEND	C & K	KSC421J70SHLFS	3	SW1, SW2, SW3
LBL,3/4x1/4" GLS WHT POLY BLNK	Digi	29000056	1	LBL1