

Pos.	Ref Des	Number per board	Description	DigiKey part #	Comment
1	C1, C2,	0	12pF, SMD0805		DNP
2	C5	0	2.2nF, SMD0805		DNP
3	C3, C7	2	10uF/10V, SMD0805		
4	C4, C6	2	100nF, SMD0805	478-3351-2-ND	
4	C9	1	470nF, SMD0805		
5	D1	1	green LED, SMD0805	P516TR-ND	
6	J1, J2, J3, J4	0	10-pin header, TH	SAM1035-10-ND SAM1213-10-ND	DNP: headers and receptacles enclosed with kit. Keep vias free of solder. : Header : Receptacle
7	J5, JP1, JP4, JP5, JP6, JP7, JP8, JP9	8	3-pin header, male, TH	SAM1035-03-ND	Place jumper on 1-2 of JP4-JP9 Place on 1-2 on JP1
8	JP2, JP3	2	2-pin header, male, TH	SAM1035-02-ND	place jumper on header
9		9	Jumper	15-38-1024-ND	see Pos 7 an 8
10	JTAG	1	14-pin connector, male, TH	HRP14H-ND	
11	BOOTST	0	10-pin connector, male, TH		DNP Keep vias free of solder
12	Q1,	0	Crystal	Micro Crystal MS3V-T1R 32.768kHz, C(Load) = 12.5pF	DNP Keep vias free of solder
13	R1, R7	2	330 Ohm, SMD0805	541-330ATR-ND	
14	R2, R3, R5, R6, R8, R9,	2	0 Ohm, SMD0805	541-000ATR-ND	DNP:R2, R3, R5, R6
15	R4	1	47k Ohm, SMD0805	541-47000ATR-ND	
16	U1	1	Socket: QFN-40B-0.5-01		Manuf.: Enplas
17	PCB	1	79 x 66 mm		2 layers
18	Rubber stand off	4	e.g.: Buerklin: 20H1724	select appropriate	apply to corners at bottom side
19	MSP430	2	MSP430N5736IRHA		DNP: enclosed with kit. Supplied by TI