

Pos.	Ref Des	Number per Board	Description	Digikey part#	Comment
1	PCB	1	79.6 x 91.0 mm	"MSP-TS430RGZ48C" Rev. 1.2	2 layers, black solder mask
2	SV1, SV2, SV3, SV4	4	12-pin header, TH	SAM1029-12-ND	DNP: Headers enclosed with kit. Keep vias free of solder.
3	SV1, SV2, SV3, SV4	4	12-pin receptable, TH	SAM1213-12-ND	DNP: Receptacles enclosed with kit. Keep vias free of solder.
4	JP1, JP2, JP9	3	2-pin header, male, TH	SAM1035-02-ND	place jumper on header
5	JP10, JP11	2	2-pin header, male, TH	SAM1035-02-ND	DNP
6	J1, JP3, JP4, JP5, JP6, JP7, JP8	7	3-pin header, male, TH	SAM1035-03-ND	place jumpers on pins 2-3
7	J2	1	3-pin header, male, TH	SAM1035-03-ND	
8	JP1, JP2, JP9, J1, JP3, JP4, JP5, JP6, JP7, JP8	10	Jumper	WM4592-ND	place on: JP1, JP2, JP9, J1, JP3, JP4, JP5, JP6, JP7, JP8
9	R2, R3, R5, R6, R8, R9, R10, R11, R14	9	DNP, 0805 resistor		DNP
10	R12, R13, R7	3	0R, 0805 resitor	541-0.0ATR-ND	
11	C5	1	1.1nF, CSMD0805	490-1623-2-ND	
12	C3, C7	2	1uF/10V, CSMD0805	490-1702-2-ND	
13	R4	1	47k, 0805	541-47KATR-ND	
14	C4, C6	2	100nF, CSMD0805	311-1245-2-ND	
15	R1	1	330R, 0805	541-330ATR-ND	
16	C1, C2, C8, C9	4	DNP, CSMD0805		DNP
17	SW1, SW2	2	Switch EVQ-11L05R	P8079STB-ND	DNP, Lacon: 1251459
18	BOOTST	1	10-pin connector, male, TH	HRP10H-ND	DNP, keep vias free of solder
19	JTAG	1	14-pin connector, male, TH	HRP14H-ND	
20	Q1	1	DNP: MS3V-TR1 (32,768kHz/20ppm/12,5pF)	depends on application	Micro Crystal, DNP, enclosed in kit, keep vias free of solder
21	Q2	1	DNP, Crystal	depends on application	DNP, keep vias free of solder
22	U1 Socket	1	Socket: QFN11T048-008 A101121-001		Manuf.: Yamaichi
23	U1	1	MSP430FR5969IRGZ		DNP: enclosed with kit. Is supplied by TI

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24	D1	1	green LED, DIODE0805	516-1434-1-ND	
25	D3	1	DNP, red LED, DIODE0805		DNP
26	D2	1	DNP, yellow LED, DIODE0805		DNP
27	TP1, TP2	2	Test point		DNP, keep pads free of solder
28	Rubber feet	4	Rubber feet	Buerklin: 20H1724	apply to corners at bottom side