

BOM for MSP-TS430PZ100

PCB-Rev. 1.0
PCB-Rev. 1.16/13/2008
8/28/2009 C3 and C4 have new Value

Pos.	Ref Des	Number per board	Description	DigiKey part #	Comment
1	C1, C2,	0	12pF, SMD0805		DNP
1b	C3, C4	0	47pF, SMD0805		DNP: Only recommendation. Check your Crystal Spec.
2	C6, C7	1	10uF/10V, Tantal Size B	511-1463-2-ND	DNP: C6
3	C5	1	100nF, SMD0805	478-3351-2-ND	
4	C8	1	10nF, SMD0805	478-1383-2-ND	
5	C9	1	470nF, SMD0805	478-1403-2-ND	
6	D1	1	yellow LED, TH, 3mm, T1	511-1251-ND	
7	J1, J2, J3, J4	0	25-pin header, TH	SAM1029-25-ND SAM1213-25-ND	DNP: headers and receptacles enclosed with kit. Keep vias free of solder. : Header : Receptacle
8	J5	1	3-pin header, male, TH	SAM1035-03-ND	
9	J6, J7	2	2-pin header, male, TH	SAM1035-02-ND	place jumper on header
10		2	Jumper	15-38-1024-ND	Place on: J6, J7
11	JTAG	1	14-pin connector, male, TH	HRP14H-ND	
12	BOOTST	0	10-pin connector, male, TH		DNP Keep vias free of solder
13	Q1, Q2	0	Crystal		DNP Keep vias free of solder
14	R3	1	330 Ohm, SMD0805	541-330ATR-ND	
15	R1, R2, R4, R8, R9, R10, R11, R12	3	0 Ohm, SMD0805	541-000ATR-ND	DNP: R4, R9, R10, R12
16	R5	1	47k Ohm, SMD0805	541-47000ATR-ND	
17	U1	1	Socket: IC201-1004-008 or IC357-1004-53N		Manuf.: Yamaichi
18	PCB	1	82 x 90 mm		2 layers
19	adhesive Plastic feet	4	about 6mm width, 2mm height	e. g. 3M Bumpons PartNr. SJ-5302	apply to corners at bottom side
20	MSP430	2	MSP430FG4619IPZ		DNP: enclosed with kit. Supplied by TI