

TMS320C6711DSK
Bill Of Materials
Revision *

Item	Quantity	Reference	Value	PCB Footprint	Description
1	21	TP1,DGND1,TP2,DGND2,TP3,TP4,TP5,TP6,TP7,TP9,TP13,TP14,TP15,TP16,TP17,TP18,TP19,TP20,TP21,TP22,AGND	TP	.040 PAD	
2	3	CR1,CR2,CR3	MURS320	SMC	
3	1	CR4	MBRS130L	SMB	
4	1	CR5	MBRS340T3	SMC	3A, 40V
5	1	CT1	220, 10V	CHIP 7343(D)	Capacitor, POSCAP, 220 uF, 10V, 20%
6	1	CT2	33	CHIP 6032(C)	Capacitor, POSCAP, 33 uF, 10 V, 20%
7	2	CT3,CT4	150	CHIP D2	Capacitor, POSCAP, 150 uF, 6.3 V, 20 %
8	8	CT5,CT6,CT7,CT8,CT9,CT10,CT12,CT13	10	CHIP 7343(D)	TANT,+/-20%,25V
9	1	CT11	NU	CHIP 7343(D)	10,TANT,+/-10%,25V
10	2	CT15,CT14	47	CHIP 7343(D)	TANT,+/-20%,10V
11	4	CT16,CT17,CT19,CT20	2.2	CHIP 3216(A)	TANT,+/-20%,10V
12	1	CT18	0.33	CHIP 3216(A)	TANT,+/-20%,20V
13	89	C1,C2,C8,C10,C13,C14,C16,C17,C21,C24,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C55,C56,C59,C60,C61,C62,C63,C64,C65,C66,C67,C68,C69,C70,C73,C74,C75,C76,C77,C78,C79,C80,C81,C82,C83,C85,C86,C88,C89,C90,C91,C92,C93,C94,C95,C96,C97,C98,C99,C100,C104,C106,C107,C111,C112,C115,C116,C117,C118,C120,C122,C126,C127	0.1	CHIP 0805	50V,+/-10%,X7R
14	5	C3,C4,C6,C11,C12	1	CHIP 0805	16V,+80%/-20%,Y5V
15	15	C5,C18,C23,C54,C57,C58,C71,C72,C84,C103,C108,C109,C113,C114,C119	0.01	CHIP 0805	50V,+/-10%,X7R
16	6	C7,C9,C20,C22,C121,C123	1000pF	CHIP 0805	50V,+/-10%,X7R
17	1	C15	0.047	CHIP 0603	50V,+/-10%,X7R
18	1	C19	0.033	CHIP 1206	50V,+/-10%,X7R

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19	2	C25,C26	10	CHIP 1206	10V,+/-10%,Y5V
20	1	C27	2200pF	CHIP 0805	50V,+/-10%,X7R
21	1	C101	NU	CHIP 0805	0.1,50V,+/-10%,X7R
22	1	C102	NU	CHIP 0805	3.3nF,50V,+/-10%,X7R
23	1	C105	NU	CHIP 1206	150nF,16V,+/-10%,X7R
24	1	C110	NU	CHIP 0805	50V,+/-10%,X7R
25	5	D1,D5,D7,D8,D9	GREEN	CHIP 1206	
26	1	D2	BAS16	TO-236	10mA,75V,350mW - Diodes, Inc
27	4	D3,D4,D10,D11	1N4148	AXIAL	
28	1	D6	ORANGE	CHIP 1206	
29	1	E1	NU	SMT-3PIN	EMI FILTER
30	1	JP1	NU	2X1, 100mil centers	HEADER 1x2
31	2	J1,J3	CONNECTOR 40 X 2	54.74MM X 3.68MM	
32	1	J2	DB-25, Male, RA	53.04MM X 18.8MM Right Angle	DB-25, Male, Right Angle
33	1	J4	DC_POWER	3-pin	2.5mm DC Power
34	1	J5	HEADER 7x2	2X7, 100mil centers	
35	1	J6	3.5 MM JACK	12MM X 15MM	
36	1	J7	3.5 MM JACK	12MM X 15MM	
37	1	J8	NU	4-pin	RA Shroud Male DC Power
38	1	L1	3.3	DO1608C	Inductor, 3.3 uH, 2 A
39	1	L2	3.3	DO3316P	Inductor, 3.3 uH, 6.1 A
40	1	L3	10	0.51IN X 0.37IN	3.9A,0.025OHM
41	4	L4,L5,L6,L7	600 Ohm @ 100 MHz	CHIP 0805	High Z,500mA,600 ohm
42	2	L9,L8	FERRITE BEAD - VALUE TBD	CHIP 0805	High Z,500mA,600 ohm
43	2	M2,M1	PH	MH_PH	
44	4	M3,M4,M5,M6	125_PH	MH125_P	
45	1	Q1	IRF7311	SO-8	Dual MOSFET,n-ch,20V,Id=6.6A,0.029 ohm
46	1	Q2	IRF7404	SO-8	MOSFET,p-ch,20V,Id=4.3A,0.040 ohm
47	29	R1,R32,R65,R67,R68,R69, R70,R71,R72,R73,R77,R78, R85,R95,R97,R100,R104, R113,R114,R116,R126,R127, R133,R153,R154,R155,R156, R157,R158	10K	CHIP 0805	
48	1	R2	750, 1%	CHIP 0603	
49	1	R3	2.7	CHIP 1210	
50	2	R22,R4	1K, 1%	CHIP 0603	
51	1	R5	3.3	CHIP 0805	
52	1	R6	20K, 1%	CHIP 0603	

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53	1	R7	100, 1%	CHIP 0603	
54	1	R8	51.1, 1%	CHIP 0603	
55	1	R9	499, 1%	CHIP 0805	
56	15	R10,R15,R27,R30,R82,R86, R93,R96,R98,R101,R103, R106,R109,R149,R151	NU	CHIP 0805	
57	1	R11	1.5K	CHIP 0603	
58	2	R19,R12	100	CHIP 0603	
59	1	R13	18.2K, 1%	CHIP 0603	
60	2	R14,R23	27.4K, 1%	CHIP 0603	
61	12	R18,R26,R28,R31,R76,R83, R87,R92,R119,R120,R121, R122	1K	CHIP 0805	
62	1	R20	2.32K, 1%	CHIP 0603	
63	1	R21	910	CHIP 0603	
64	1	R24	13.7K, 1%	CHIP 0603	
65	1	R25	4.7	CHIP 0603	
66	1	R29	NU	CHIP 0805	
67	17	R33,R34,R60,R64,R66,R74, R91,R107,R110,R112,R117, R118,R123,R124,R125,R150, R152	120	CHIP 0805	
68	45	R35,R36,R37,R38,R39,R40, R41,R42,R43,R44,R45,R46, R47,R48,R49,R50,R51,R52, R53,R54,R55,R56,R57,R58, R59,R61,R62,R63,R81,R84, R115,R129,R131,R132,R135, R136,R137,R138,R159,R164, R166,R168,R169,R170,R171	0	CHIP 0603	
69	1	R79	732K, 1%	CHIP 0805	
70	1	R80	249K, 1%	CHIP 0805	
71	1	R88	NU	CHIP 0805	10, 1%
72	5	R89,R90,R94,R102,R105	33	CHIP 0603	
73	1	R99	180	CHIP 0805	
74	7	R108,R111,R146,R147,R160, R161,R162	390	CHIP 0805	
75	2	R130,R128	NU	CHIP 0603	
76	4	R142,R143,R144,R145	4.7K	CHIP 0603	

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77	3	R163,R165,R167	NU	CHIP 0603	
78	1	SW1	PUSHBUTTON	7.19MM X 7.19MM	
79	1	SW2	4 PSTN DIP SW	9.0MM X 12.34MM	
80	1	U1	TPS56100PWP		
81	2	U2,U3	NU	TSOP-50	
82	2	U5,U4	MT48LC4M16A2TG-8E	TSOP-54	
83	1	U6	SN74LVTH16374DGG	TSSOP-48	
84	7	U7,U8,U9,U11,U13,U14,U16	SN74LVTH162245DGG	TSSOP-48	
85	1	U10	SMC34C60QF	QFP-100	
86	1	U12	AT29LV010A-15JC	PLCC-32	
87	1	U15	SN74LVC161284DGG	TSSOP-48	
88	1	U17	TMS320C6711	BGA-256	
89	2	U18,U20	PALLV22V10-7JC	PLCC-28	
90	1	U19	TPS3307-33D	SOIC-8	
91	1	U21	SN74ACT8990FN	PLCC-44	
92	1	U22	SN74LVTH125PW	TSSOP-14	
93	1	U24	SN74CBTD3384PW	TSSOP-24	
94	2	U26,U25	ICS501	SOIC-8	
95	1	U27	TLC320AD535PM	TQFP-64	
96	4	U28,U29,U34,U35	SN74CBT3257PW	TSSOP-16	
97	1	U30	TLV2231DBV	SOT23-5	Op amp,single-channel
98	1	U31	TPS2817DBV	SOT23-5	Driver,high-speed,single-channel
99	1	U32	TL1431CD	SOIC-8	Shunt Regulator, 37V, 100mA, 1%
100	1	U33	TL5001CD	SOIC-8	PWM controller
101	1	Y1	25.000 MHZ	DIP-8	
102	1	Y2	4.096 MHZ	DIP-8	

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