F2805x ISO-controlCard Revised: Tuesday, May 15, 2012
F2805x ISO-controlCard.DSN   Revision: 1.2

TI

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Bill Of Materials   May 18,2012   11:19:32

Item Num	Quantity	Value	Description	Part Number	Reference	Distributor	Distributor Part Number	PCB Footprint	
1	1	47UF	CAP TANT 47UF 10V 20% 0805	300-00012	CA1	Digikey	718-1608-1-ND	C0805P	
2	1	0.1UF	Capacitor,0.1UF,16 V,10 %,X7R,0603	100-00003	CA2	Digikey	478-1239-2-ND	C0603	
3	2	10UF	CAP CERAMIC 10UF 6.3V X5R 0603	300-00011	CA3,C22	Digikey	rPCC2395CT-ND	C0603	
4	8	0.1uf	CAP .10UF 10V CERAMIC X5R 0402	300-00072	CA4,CA5,CA7,CA8,CA9,CA10,CA15,CA16	digikey	99-3027-2-ND	C0402	
5	1	0.01UF	Capacitor,0.01UF,16 V,10 %,X7R,0603	100-00006	CA6	Digikey	478-6209-2-ND	C0603	
6	3	4.7uf	CAP CER 4.7UF 6.3V X5R 0402	300-00073	CA11,CA20,CA22	digikey	490-5408-2-ND	C0402	
7	9	0.1UF	Capacitor,0.1UF, X7R, 16 V, 0402, 10%	100-00108	CA12,CA13,CA14,CA17,CA18,CA19,CA21,CA23,CA25			C0402	
8	1	10nF	CAP CER 10nF 1.5kV 10% X7R 1812	300-00094	CA24	digikey	478-4735-1-ND	C1812	
9	2	27pf	CAP CERAMIC 27PF 50V NP0 0402	300-00074	CA26,CA27	digikey	399-1016-2-ND	C0402	
10	3	0.1UF	Capacitor,0.1UF,16 V,10 %,X7R,0603	100-00003	C1,C19,C21			C0603	
11	6	2u2F	CAP ceramic 2u2 X7R SMD	100-00118	C2,C3,C4,C14,C15,C16			C0603	
12	1	1UF	Capacitor,1.0UF,10V,10%, X5R, 0603	100-00106	C5			C0603	
13	5	3300PF	Capacitor,3300pF,50V, 20%, X7R	100-00125	C6,C8,C10,C12,C13	Digikey	490-1560-1-ND	C0603	
14	3	DNP	Capacitor, DNP, 0603	100-00107	C7,C9,C11			C0603	
15	2	15PF	Capacitor,15pF,50V,5%,0603	100-00073	C17,C18			C0603	
16	1	47UF	CAP Tant 47u 10V SMD (3216-12)	100-00122	C20	Digikey	511-1500-2	C1206	
17	1	0.01UF	Capacitor,0.01UF,16 V,10 %,X7R,0603	100-00006	C23			C0603	
18	1	1A	DIODE SCHOTTKY 10V 1A POWERMITE	400-00011	DA1	Digikey	MBRM110ET1GOSCT-ND	SMT	
20	1	USB-B-mini-smt	CONN RECEPT MINI USB2.0 5POS	320-00004	JA1	digikey	H2959TR-ND	female?	
21	2	HZ0805E601R-10	FERRITE 500MA 600 OHM 0805 SMD	330-00025	LA1,LA2	Digikey	240-2399-2-ND		805
22	2	LED_GRN	LED SMD 0805 - Green	200-00001	LDA1,LD3	Digikey	404-1021-1	LED0805	
23	2	75mA	LED BLUE CLEAR 0805 SMD	400-00012	LDA2,LDA3	Digikey	160-1579-2-ND	LED0805	
24	2	RED	LEDs SMD 0805 - Red	200-00002	LD1,LD2	Digikey	404-1017-1	LED0805	
25	2	BKP2125HS600-T	Inductor Bead, 60Ohm, 0805, 100MHz	130-00042	L1,L2	Digikey	587-1932-1-ND	IND0805	
26	1	BLM21PG221SN1D	Inductor Bead, 220Ohm, 0805, 100MHz	130-00043	L3	Digikey	490-1054-1-ND	IND0805	
35	1	DIMM-100	CONN, 100 pin DIMM socket - Molex 0876301001	120-00066	P1	mouser	538-87630-1001	Male;Female	
36	1	680	RES 680 OHM 1/16W 5% 0402 SMD	310-00103	RA1	digikey	RHM680JCT-ND	R0402	
37	8	0	RESISTOR,0, 0.1W, 5%, 0603	110-00172	RA2,RA3,RA5,RA6,RA7,RA10,RA11,R37			R0603	
38	8	0603_NP	NO POP	0603_NP	R3,RA4,R4,R5,R6,R7,R8,R9			R0603	
39	4	0	RES 0.0 OHM 1/10W 0402 SMD	310-00102	RA8,RA9,RA15,RA18	digikey	P0.0JCT-ND	R0402	
40	4	1k	RES 1.00K OHM 1/10W 1% 0402 SMD	310-00080	RA12,RA17,RA19,RA22	digikey	P1.00KLCT-ND	R0402	
41	6	10k	RES 10K OHM 1/10W 5% 0402 SMD	310-00104	RA13,RA14,RA16,RA20,RA21,RA25	digikey	P10KJTR-ND	R0402	
42	2	0402_NP	NO POP	0402_NP	RA23,RA24			R0402	
43	3	2.21k	RES 2.21K OHM 1/10W 1% 0402 SMD	310-00100	R11,R14,R26	digikey	P2.21KLCT-ND	R0402	
44	2	RPACK8-56	Resistor network 56R 5% - SMD	310-00017	RN1,RN2	Digikey	Y1330CT	RPACK8	
45	1	RPACK8-33	Resistor network 33R 5% - SMD	310-00018	RN3			RPACK8	
46	1	2K2	Resistors 2K2, 0.1W, 5%, 0603	110-00234	R1	Digikey	RHM2.2KGCT-ND	R0603	
47	1	0R0	Resistors, 0R0, 0.1W, 5%, 0603	110-00235	R2	Digikey	RHM0.0GCT-ND	R0603	
48	1	2K7	Resistors 2K7, 0.125W, 1%, 0603	110-00240	R10	Digikey	RHM2.7KGCT-ND	R0603	
49	9	4.99k	RES TF 4.99K OHM 1% 1/16W 0402	310-00105	R12,R13,R24,R26,R28,R30,R32,R34,R36	digikey	RMCF0402FT4K99CT-ND	R0402	
50	2	3K3	Resistors, 3K3, 0.1W, 5%, 0603	110-00236	R15,R16	Digikey	RHM3.3KGCT-ND	R0603	
51	2	820	Resistors 820R, 0.1W, 5%, 0603	110-00237	R17,R18	Digikey	RHM820GCT-ND	R0603	

52	2 DNP	Resistors DNP - SMD, 0603 (Do NOT populate)	310-00015	R19,R38			R0603
53	2 680	RESISTOR,680R,0.10W,5%,0805	110-00085	R20,R21			R0805
54	1 680R	Resistors, 680R, 5% - SMD, 0603	310-00011	R22			R0603
55	7 10K	RES 10K OHM 1/16W 1% 0402 SMD	310-00110	R23,R25,R27,R29,R31,R33,R35	digikey	RHM10.0KBHCT-ND	R0402
56	2 CT2182LPST	SWITCH DIP HALF PITCH 2POS	206-00010	SW1,SW4	Digikey	CT2182LPST-ND	SMT218LP_2POS
57	2 2xSPDT	SWITCH DIP 2xSPDT J-Hook	206-00009	SW2,SW3	Digikey	CASD20JCT-ND	SMT_CAS-D20TA
58	7 1xDPDT	SWITCH DIP 1xDPDT	206-00012	SW5,SW6,SW7,SW8,SW9,SW10,SW11	Digikey	CAS220JCT-ND	SMT_CAS-220TA
63	1 TPS73033	IC LDO REG HI-PSRR 3.3V SOT23-5	403-00006	UA1	Digikey	296-17580-1-ND	DBV5
64	4 Digital Isolator	ISOLAT DGTL 2.5KVRMS 2CH 8-SOIC	402-00044	UA2,UA3,UA4,UA5	digikey	296-26075-5-ND	8-SOIC
65	1 ESD-PROT	IC ESD-PROT ARRAY 2CH SOT-5	402-00047	UA6	digikey	296-21883-2-ND	SOT-553
66	1 JTAG/UART	IC USB HS DUAL UART/FIFO 64-LQFP	402-00045	UA7	digikey	768-1024-2-ND	64-LQFP
67	1 EEPROM	IC EEPROM 2KBIT 3MHZ 8SOIC	402-00046	UA8	digikey	93LC56C-I/SN-ND	8-SOIC
68	1 F28055	TMS230F28055PNT 80-Pin PN LQFP Package	402-00050	U1			QFFP80-PN
69	2 NUP4201MR6T1G	ic,transient voltage suppressor, TSOP-6	202-00157	U2,U3	digikey	NUP4201MR6T1GOSTR	TSOP-6
70	1 SN74LVC2G07DBVR	IC,Dual Buffer/Driver With Open-Drain Outputs, SOT23-6	202-00154	U4	digikey	296-13494-2	DBV6
71	1 TPS73033	Linear regulator, 3.3V fixed, 200mA	203-00043	U5			SOT-23-5
72	2 OPA4376AIPWM	OPA4376 quad op amp	402-00054	U6,U7	digikey	296-22565-1-ND	TSSOP-14
73	1 12MHz OSC	CRYSTAL 12.000 MHZ 20PF SMD	405-00013	XA1	Digikey	XC1118TR-ND	4-SMD
74	1 20Mhz OSC 20ppm	Crystal 20.000MHz	405-00009	X1	Digikey	300-8214-1-ND	4-SMD