

## LP3971 EVB BOM

Source Data From:	<u>LP3971_EVB.PrjPcb</u>
Project:	<u>LP3971_EVB.PrjPcb</u>
Variant:	<u>None</u>



Report Date:	5/25/2007	12:39:23 PM
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#	Comment	Description	Footprint	PART	MFG	RoHS	Designator	DigiKey	Quantity	
Parts that should be included at target design										
2	10uF/16V	Capastor 0603footprint	1210_C	Choose a low ESR part	Any		C1, C2, C3, C4, C5, C6, C7, C22		8	
3	10uF/10V	Tantalum Capacitor	A CASE (3216-18)	Choose a low ESR part	Any		C8, C9, C11, C12, C13, C14		6	
4	0.01uF/16V	Capastor 0603footprint	0603_C	Any	Any		C10		1	
5	0.1uF	Capastor 0603footprint	0603_C	Any	Any		C15, C16, C17, C18, C19, C20, C21		7	
6	220uF/6.3V	Tantalum Capacitor	C CASE (6032-28)	T494C227M006AT	KEMET	Yes	C23	399-3848-1-ND	1	
7	3X2	2 by 3 100mil Header	HEADER_BOX_3X2	Any	Any		J36		1	
8	2.4uH	Power Inductor	ELL6PM	ELL-6PV2R4N	PANASONIC		L1, L2, L3	PCD1720CT-ND	3	
9	1.2K	Resistor 0603 footprint	0603_R	Any	Any		R3, R4		2	
10	LP3971	Power Management Unit for	QFN40P500X500X80-40N	LP3971	NATIONAL		U1		1	
11	MC9S08QG4	8 bit MCU from FreeScale	TSSOP_16	MC9S08QG4CDT	FreeScale		U3	MC9S08QG4CDTE-ND	1	
									Sub Total:	
									31	
Parts that can be included at target design										
	BATTERY	Recharchable Li-Ion battery	BATTERY ML2020	ML2020/H1C	Panasonic		BAT1	P047-ND	1	
	LED		0603_LED	Any	Any		D1, D2, D3		3	
	B540C-13-F		SMC	B540C-13-F	Diode Inc.	Yes	D4	B540C-FDICT-ND	1	
	JUMPER - SMT	2 pin 100mil Header	BH2-NP				J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11		11	
	2.5MM Power Jack		PJ-002B (POWER JACK)	PJ-002B	CUI Inc	Yes	J37	CP-002B-ND	1	
	12.288MHz		OSC_SMT_7_3X4.8	CWX815-12.288M	Connor-Winfield	Yes	OSC1	CW556CT-ND	1	
	100K	Resistor 0603 footprint	0603_R	Any	Any		R1, R2, R5		3	
	100	Resistor 0603 footprint	0603_R	Any	Any		R6, R7, R8		3	
	SW-PB	Switch	B3F-602X	B3F6002BYOMZ		Yes	S1	SW797-ND	1	
									Sub Total:	
									25	
Parts that are for EVB use										
	1uF	Capastor 0603footprint	0603_C	Any	Any		C24, C25		2	
	JUMPER - 3 WAYS	3 pin 100mil Header	BH3	Any	Any		J13, J14, J15		3	
	CON6	6 pin 100mil Header	BH6-NP	Any	Any		J16		1	
	CON8	8 pin 100mil Header	BH8-NP	Any	Any		J17		1	
	CON1		BH1-NP - 46MIL	Any			J18, J19, J20, J21, J22, J23, J24, J25, J26, J27, J28, J29, J30, J31, J32, J33, J34, J35		18	
	DB9-F	DB9 Female	DB9_F_318	Any	Any		J38		1	
	ICL3221	IC TXRX SGL RS232 3-5.5V	TSSOP_16	ICL3221EIVZ	Intersil	Yes	U2	ICL3221EIVZ-ND	1	
	LP2980	Micropoww 50mA LDO	SOT23-5	LP2980AIM5-3.0	NATIONAL	Yes	U4	LP2980AIM5-3.0CT-ND	1	
									Sub Total:	
									28	
Approved			Notes						Total:	84