



Board code:	PM6680A POWER STEVAL-ISA053V2	REV:	4	ID:	C
DATA:	3/25/2008				

QTY	REFERENCE	DESCRIPTION	PKG	MANUFACTURER	CODE	NOTE
3	C1:C3	Ceramic Cap 10uF 50V	1210	Taiyo		UMK325BJ106KM TAYIO YUDEN
1	C4	Ceramic Cap 10uF 50V	1812	NM	NM	
2	C5, C6	Ceramic Cap 100nF 50V	0805			
1	C19	Ceramic Cap 100nF 50V	0805			
1	C7	Electrolytic Cap 330uF 12mOHM	7343	NM	NM	
2	C9, C10	Ceramic Cap	0805	NM	NM	
1	C11	Ceramic Cap 330uF 12mOHM	7343	NM	NM	
1	C8	Electrolytic Cap 220uF 25mOHM	7343	Sanyo		6TPE220M
1	C12	Electrolytic Cap 150uF 18mOHM	7343	Sanyo		4TPE150MI
2	C13, C14	Ceramic Cap 10nF 50V	0603			
2	C15, C16	Ceramic Cap 1.5nF 50V	0603			
2	C17, C18	Ceramic Cap 47pF 50V	0603			
1	C20	Ceramic Cap 1uF 10V	0805			
1	C21	Tantalum Cap 4,7uF 16V	3216			
1	C22	Ceramic Cap 220nF (0,22uF) 10V	0805			
1	C23	Ceramic Cap 10pF 50V	0805			
1	C1N	Electrolytic Cap 39uF 25V	D=10mm			
1	CREF	Ceramic Cap 100nF 50V	0805			
1	C26	Ceramic Cap 4,7uF 50V	1210	Taiyo		UMK325F475ZH TAYIO YUDEN
1	C24, C25	Tantalum Cap 10uF 6.3V	0805			
1	C27	Tantalum Cap 10uF 6.3V	0805	NM	NM	
1	C28	Tantalum Cap 4,7uF 16V	3216	NM	NM	
1	D1	Dual Diode BAS70	SOT23	ST	ST	BAS70
2	D2, D3	Diode STPS1L40M	SMA	ST	ST	STPS1L40M
1	IC1	IC PM6680A	QFN-32	ST	ST	PM6680A
7	J1, J2, J4, J5, J8, J9 J10	Faston				
5	J3, J6, J7, J11, LDO_ADJ	Test point				
1	L1	Inductor 4.7uH	WURTH	Würth		TPC 7440650047
1	L2	Inductor 8.2uH	WURTH	Würth		TPC 7440650082
4	M1:M2	Mosfet STS5NF60L	SO8	ST	ST	STS5NF60L
4	M3:M4	Mosfet STS7NF60L	SO8	ST	ST	STS7NF60L
1	R3	Resistor 20K 1%	0805			
1	R4	Resistor 47K 1%	0805			
1	R5	Resistor 2K2 1%	0805			

1	R6	Resistor 1K1 1%	0805			
2	R7, R8	Resistor 560R 1%	0805			
1	R9	Resistor 47R 1%	0805			
2	R10, R11	Resistor 10R 1%	0805			
4	R12:R15	Resistor 100K 1%	0805			
1	R16	Resistor 43K 1%	0805			
1	R17	Resistor 510K 1%	0805			
2	R18, R19	Resistor	0805	NM	NM	
4	R20, R21, R22, R23	Resistor 0R 1%	0805			
1	R24	Resistor 1K1 1%	0805			
1	R25	Resistor 820R 1%	0805			
1	R26	Resistor 3R9 1%	1206			
1	R27	Resistor 10K 1%	0805			
1	R29	Resistor 10K 1%	0805			
1	R28	Resistor 27K 1%	0805			
1	R30	Resistor 10K 1%	0805			
1	R31	Resistor 5K6 1%	0603	NM	NM	
1	R32	Resistor 15K 1%	0603	NM	NM	
1	RLD5V, RLD3V	Resistor	0805	NM	NM	
3		Jumper				
3	S3, S10, S11	TH connectors 2,54mm (T shape)	p. 2,54 mm			
1	S2	Dip switch 4 positions				