



Title		6A Core/6A IO DC-DC Converter	
Solution Number		Solution for Stratix II	
Size	Number	PR364	Rev
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Date: 08/12/2004					
<b>PR364 BOM</b>					
COUNT	RefDes	Description	Size	MFR	Part Number
2	C1, C5	Capacitor, Ceramic, 8200-pF, 50-V, X7R, 10%	603	muRata	GRM188R71H822KA01
2	C10, C19	Capacitor, Ceramic, 0.1-uF, 16-V, X7R, 10%	603	muRata	GRM188R71C104KA01
5	C11, C12, C13, C14, C15	Capacitor, Aluminum, 220-uF, 2-V, 20% (UD Series)	7343	Panasonic	EEF-UD0D221R
1	C16	Capacitor, Ceramic, 0.012-uF, 25-V, X7R, 10%	603	muRata	GRM188R71E123KA01
1	C18	Capacitor, Ceramic, 68-pF, 50-V, C0G, 5%	603	muRata	GRM1885C1H680JA01
2	C2, C17	Capacitor, Ceramic, 0.047-uF, 25-V, X7R, 10%	603	muRata	GRM188R71E473KA01
1	C20	Capacitor, Ceramic, 6800-pF, 25-V, X7R, 10%	603	muRata	GRM188R71E682KA01
2	C24, C25	Capacitor, POSCAP, 470-uF, 4-V, 40-milliohm, 20%	7343 (D)	Sanyo	4TPB470M
1	C3	Capacitor, Ceramic, 180-pF, 50-V, C0G, 5%	603	muRata	GRM1885C1H181JA01
1	C4	Capacitor, Ceramic, 1.0-uF, 6.3-V, X5R, 10%	603	muRata	GRM188R60J105KA01
2	C6, C22	Capacitor, POSCAP, 220-uF, 10-V, 40-milliohm, 20%	7343 (D)	Sanyo	10TPB220M
3	C7, C8, C21	Capacitor, Ceramic, 10-uF, 6.3-V, X5R, 10%	805	muRata	GRM21BR60J106KE01
2	C9, C23	Capacitor, Ceramic, 0.047-uF, 25-V, X7R, 10%	603	muRata	GRM188R71E473KA01
1	L1	Inductor, SMT, 1.5-uH, 10-A, 14-milliohm	0.51 x 0.51	Vishay	IHLP2525CZ-01
1	L2	Inductor, SMT, 4.7-uH, 12-A, 12.8-milliohm	0.51 x 0.51	Vishay	IHLP-5050EZ-01 4.7uH
1	R1	Resistor, Chip, 71.5k-Ohms, 1/16-W, 1%	603	Std	Std
1	R2	Resistor, Chip, 28.7k-Ohms, 1/16-W, 1%	603	Std	Std
1	R3	Resistor, Chip, 294-Ohms, 1/16-W, 1%	603	Std	Std
1	R4	Resistor, Chip, 4.99k-Ohms, 1/16-W, 1%	603	Std	Std
3	R5, R9, R10	Resistor, Chip, 10.0k-Ohms, 1/16-W, 1%	603	Std	Std
1	R6	Resistor, Chip, 3.74k-Ohms, 1/16-W, 1%	603	Std	Std
1	R7	Resistor, Chip, 1.18k-Ohms, 1/16-W, 1%	603	Std	Std
1	R8	Resistor, Chip, 9.76k-Ohms, 1/16-W, 1%	603	Std	Std
2	U1, U2	IC, IFET Power controller, Adj-V, 6-A	PWP28	TI	TPS54610PWP

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