



Title 6A Core and I/O DC/DC Converter Based	
Solution for Cyclone/Stratix/Stratix GX	
Size B	Number PR343
Date 2/16/04	Rev
Filename pr343.sch	Drawn by
	Sheet

Filename: PR343_bom.xls					
Date: 08/19/2004					
		<b>PR343 BOM</b>			
<b>COUNT</b>	<b>RefDes</b>	<b>DESCRIPTION</b>	<b>SIZE</b>	<b>MFR</b>	<b>Part Number</b>
2	C1, C11	Capacitor, Ceramic, 0.012-uF, 25-V, X7R, 10%	603	muRata	GRM188R71E123KA01
2	C2, C12	Capacitor, Ceramic, 0.047-uF, 25-V, X7R, 10%	603	muRata	GRM188R71E473KA01
2	C3, C13	Capacitor, Ceramic, 68-pF, 50-V, C0G, 5%	603	muRata	GRM1885C1H680JA01
2	C4, C14	Capacitor, Ceramic, 0.1-uF, 16-V, X7R, 10%	603	muRata	GRM188R71C104KA01
2	C5, C15	Capacitor, Ceramic, 6800-pF, 25-V, X7R, 10%	603	muRata	GRM188R71E682KA01
2	C6, C16	Capacitor, Ceramic, 10-uF, 6.3-V, X5R, 10%	805	muRata	GRM21BR60J106KE01
2	C7, C17	Capacitor, POSCAP, 220-uF, 10-V, 40-milliohm, 20%	7343 (D)	Sanyo	10TPB220M
2	C8, C18	Capacitor, Ceramic, 0.047-uF, 25-V, X7R, 10%	603	muRata	GRM188R71E473KA01
4	C9, C10, C19, C20	Capacitor, POSCAP, 470-uF, 4-V, 40-milliohm, 20%	7343 (D)	Sanyo	4TPB470M
2	L1, 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, 14.7k-Ohms, 1/16-W, 1%	603	Std	Std
2	R2, R6	Resistor, Chip, 1.18k-Ohms, 1/16-W, 1%	603	Std	Std
2	R3, R7	Resistor, Chip, 9.76k-Ohms, 1/16-W, 1%	603	Std	Std
3	R4, R8, R9	Resistor, Chip, 10.0k-Ohms, 1/16-W, 1%	603	Std	Std
1	R5	Resistor, Chip, 3.74k-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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