



Title		Z0A Core, 6A I/O Solution for Stratix II	
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Date: 04/04/2005					
<b>PR354 BOM</b>					
COUNT	RefDes	Description	Size	Part Number	MFR
3	C1, C2, C3	Capacitor, Ceramic, 22-uF, 6.3-V, X5R, 1210	1210	GRM32DR60J226KA01	muRata
1	C10	Capacitor, Ceramic, 4700-pF, 50-V, X7R, 10%	0603	GRM188R71H472KA01	muRata
1	C11	Capacitor, Ceramic, 33-pF, 50-V, C0G, 5%	0603	GQM1885C1H330GB01D	muRata
1	C12	Capacitor, Ceramic, 0.012-uF, 25-V, X7R, 10%	0603	GRM188R71E123KA01	muRata
1	C13	Capacitor, Ceramic, 0.047-uF, 25-V, X7R, 10%	0603	GRM188R71E473KA01	muRata
1	C14	Capacitor, Ceramic, 68-pF, 50-V, C0G, 5%	0603	GRM1885C1H680JA01	muRata
1	C15	Capacitor, Ceramic, 0.1-uF, 16-V, X7R, 10%	0603	GRM188R71C104KA01	muRata
1	C16	Capacitor, Ceramic, 6800-pF, 25-V, X7R, 10%	0603	GRM188R71E682KA01	muRata
1	C17	Capacitor, Ceramic, 10-uF, 6.3-V, X5R, 10%	0805	GRM21BR60J106KE01	muRata
1	C18	Capacitor, POSCAP, 220-uF, 10-V, 40-milliohm, 20%	7343 (D)	10TPB220M	Sanyo
1	C19	Capacitor, Ceramic, 0.047-uF, 25-V, X7R, 10%	0603	GRM188R71E473KA01	muRata
2	C20, C21	Capacitor, POSCAP, 470-uF, 4-V, 40-milliohm, 20%	7343 (D)	4TPB470M	Sanyo
2	C4, C8	Capacitor, Ceramic, 1.0-uF, 6.3-V, X5R, 10%	0603	GRM188R60J105KA01	muRata
2	C5, C6	Capacitor, Aluminum, 270-uF, 2-V, 20% (UE Series)	7343	EEFUE0D271R	Panasonic
1	C7	Capacitor, Ceramic, 0.01-uF, 25-V, X7R, 10%	0603	GRM188R71E103KA01	muRata
1	C9	Capacitor, Ceramic, 1800-pF, 50-V, X7R, 10%	0603	GRM188R71H182KA01	muRata
1	L1	Inductor, SMT, 2.2-uH, 20-A, 4.2-milliohm	0.51 x 0.51	IHLP-5050EZ-01 2.2uH	Vishay
1	L2	Inductor, SMT, 4.7-uH, 12-A, 12.8-milliohm	0.51 x 0.51	IHLP-5050EZ-01 4.7uH	Vishay
2	Q1, Q2	MOSFET, N-ch, 20V, 8.5-milliohms	POWER S0-8	Si7368DP	Siliconix
2	Q3, Q4	MOSFET, N-ch, 20V, 3.75-milliohms	POWER S0-8	Si7866DP	Siliconix
1	R1	Resistor, Chip, 17.8k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R2	Resistor, Chip, 2.2-Ohms, 1/10-W, 1%	0805	Std	Std
1	R3	Resistor, Chip, 28.0k-Ohms, 1/16-W, 1%	0603	Std	Std
3	R4, R10, R11	Resistor, Chip, 10.0k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R5	Resistor, Chip, 649-Ohms, 1/16-W, 1%	0603	Std	Std
1	R6	Resistor, Chip, 14.0k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R7	Resistor, Chip, 3.74k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R8	Resistor, Chip, 1.18k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R9	Resistor, Chip, 9.76k-Ohms, 1/16-W, 1%	0603	Std	Std
1	U1	IC, Low Input Voltage Mode, Sync. Buck Controller	DGQ10	TPS40007DGQ	TI
1	U2	IC, IFET Power controller, Adj-V, 6-A	PWP28	TPS54610PWP	TI

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