															Fong
	DC Specs														
	Memory	IOL	IOH	IIL	IIH	Logic Zero	Logic One								
OR FLASH	S29AL008J	4.0 mA	-2.0 mA	1.0 uA	1.0 uA	40 loads	20 loads								
RAM	CY7C1049G	8.0 mA	-4.0 mA	1.0 uA	1.0 uA	80 loads	40 loads								
KANI	CY/C1049G	8.0 mA	-4.0 MA	1.0 uA	1.0 uA	80 loads	40 loads								
	AC Specs											Equations:			
		Loa	ad Capacitance (pl	Delta C Spec Value		Output Current (mA)			Voltage (V)		Delay (nS)	Delta T = (delta V * delta C) / (delta)	
	ions between Memory and	Spec Value	*		Spec Value	Actual Value	Delta I	VIH	VIL Delta V		Delta T	Delta V = VIH - VIL			
OR FLASH	S29AL008J & Artix-7	30	0	30 - 0 = 30	12	0.001	12 - 0.001 = 12	2	0.8	2-0.8 = 1.2	3	Delta I = IOspec - IO actual			
SRAM	CY7C1049G & Artix-7	30	0	30 - 0 = 30	12	0.001	12 - 0.001 = 12	2	0.8	2 - 0.8 = 1.2	3	Delta C = CLspec	- CLactual		
	Loading Analysis W	nrksheet													
	Source					Load							Extended Totals		
			mA	mA	pF				uA	uA	pF	uA	uA	pF	
	Signal	Source	IOL	IOH	CL	Load	Signal	Qty	IIL	IIH	Cin	IIL	IIH	Cin	
	CEL, R\WL, OEL	Artix-7 Basys 3 ME	12	12	0	FLASH NOR	CE, WE OE\	1	1	1	9	1	1	9	
						SRAM	CE, WE OE\	1	1	1	10	1	1	10	
						Wiring Cap		4			2	0	0	8	
											Total	2	2	-27	
	A0-18	Artix-7 Basys 3 ME	12	12	0	SRAM	A0-18	1	1	1	10	1	1	10	
						FLASH NOR	A0-18	1	1	1	9	1	1	9	
						Wiring Cap		4			2	0	0	8	
											Total	2	2	-27	
	DQ15/A-1	FLASH NOR	20	20	30	Artix-7	DQ15/A-1	1	15	15	8	15	15	8	
						Wiring Cap		2			2	0	0	2	
											Total	15	15	10	
	DQ8-DQ14	FLASH NOR	20	20	30	Artix-7	D8-14	1	15	15	8	15	15	8	
	-4-54			20	30	Wiring Cap		2			2	0	0	2	
						mg cup					Total	15	15	10	
	DQ0-DQ7	FLASH NOR	20	20	30	Artix-7	D0-7	1	15	15	8	15	15	8	
						SRAM	I/O0 - I/O7	1	1	1	10	1	1	10	
						Wiring Cap		4			2	0	0	8	
											Total	16	16	26	
	I/O0 - I/O7	SRAM	40	40	30	Artix-7	D0-7	1	15	15	8	15	15	8	
						FLASH NOR	D0-7	1	1	1	9	1	1	9	
						Wiring Cap		4			2	0	0	8	