

**ROACH Maximum Power Dissipation Estimate**

<b>Item #</b>		<b>Power Dissipation (W)</b>	<b>Comments</b>
1	LT1963AEQ	2.95	$1.5A \times (5V - 3.3V) + (0.08A \times 5V)$
2	AT84AD001BCTD	1.7	
3	Virtex 5 SX95	40	Worst Case
4	AMCC 440EPC	3.77	
5	XC2C256	1.67	
6	DP83865	1.64	1.64
7	K7S3218T4C-FC40	1.71	1.71
8	S29AL032D	0.11	0.11
9	PTH05T210WAD	5	Maximum Rating
10	PTH08T230WAD	2.5	Maximum Rating
11	PTH08T240WAD	3.75	Maximum Rating
12	PTH08T220WAD	5.5	Maximum Rating
13	AFS600	0.66	General Design Example
14	DIMM Memory Module	6	General Approximation Based on Micron Power Calculator
15	TPS74401RGWT	2.74	Maximum Rating
16	FJD3076TM	10	Maximum Rating
17	Power Supply	250	Maximum Rating