Light Sensor Subsystem Po

Team Number:	105
Project Name:	**Electric Blinds**
Team Member Names:	**Timmy, Abriana, Keith**
Version:	**Donovan Calderon**

A. List ALL major components (active devices, integrated circu voltage regulators, resistors, capacitors, or passive elements

All Major Components	Component Name	Part Number	Sup Volta Ran
	Opamp	MCP6004-E/P	+5 5
	CDS PHOTORESISTOR	PDV-P8103	+(150
	PIC18F57Q43 CURIOSITY NANO	DM164150	1.8 5.5

B. Assign each major component above to ONE power rail belo different power rails in the design.
Add additional power rails or change the power rail voltages if

+5V Power Rail	Component Name	Part Number	Sup Volta Ran

	PIC18F57Q43 CURIOSITY NANO	MCP6004-E/P	1.8 5.5
	Opamp	DM164150	+5 5 +(
	CDS PHOTORESISTOR	PDV-P8103	150
			Total Curre
c1. Regulator or Source Choice	+5V regulator	LM7805	(ran
			Total Remaining Current

-5V Power Rail	**Component Name**	**Part Number**	**Sup Volt Ran**
	Opamp	DM164150	(ran
			Total Curre

c3. Regulator or Source Choice	-5V Regulator	(full part number)	(ran
		Total Remaining Curre	
		Total Remaining Curren	

C. For each power rail above, select a specific voltage regulator using the same process as for major component selection. Confirm that the Total Remaining Current Available on each rail above is not negative.

+5V Power Rail	**Component Name**	**Part Number**	**Sup Volta Ran**
c1. Regulator or Source Choice	+5V regulator	LM7805	(ran

D. Select a specific external power source (wall supply or batte it can supply all the regulators with all the power rails simultan sources, list each separately below and indicate which regulat Confirm that the Total Remaining Current Available on each po

External Power Source 1	Component Name	Part Number	Sup Volt Ran
Power Source 1 Selection	PIC18F57Q43 CURIOSITY NANO	(full part number)	1.8 5.1
Power Rails Connected to External Power Source 1	+5V Regulator	LM7805	+0 35
	Total Remaining Current Available on E		