

(+)5V Rail	Component Name	Part Number	Supply Voltage Range	#	Absolute Maximum Current (mA)	Total Current (mA)	Units
	Galvanized Nail Reistor system	N/A	1.7-5.1V	1	20	20	mA
	Curiosity Nano	PIC18F57Q43	1.7-5.1V	1	500	500	mA
					Subtotal	520	mA
					Safety Margin	25%	
					Total Current	650	mA
SOURCE	+5V Regulator	LM7805	5-35V	1	1500	1500	mA
					Total Remaining	850	mA
External Power Source 1	Component Name	Part Number	Supply Voltage Range	Output Voltage	Absolute Maximum Current (mA)	Total Current (mA)	Units
Power Source Selection 1	Plug-in Wall Supply	B09ZTKTLGW	110V AC	+9V	3000	3000	mA
Power Rails Connected to External Source 1							
	+5V Regulator	LM7805	5-35V	1	1500	1500	mA
					Total Remaining	1500	mA