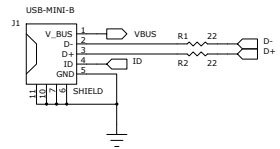
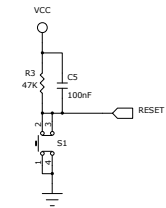


REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

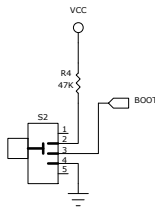
USB Connection



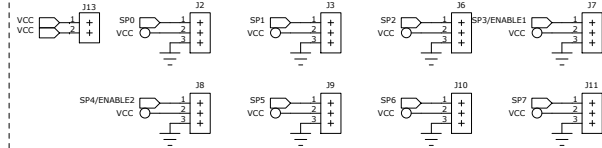
Reset Switch



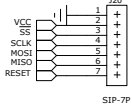
Bootloader Activation



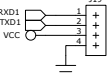
Special IO



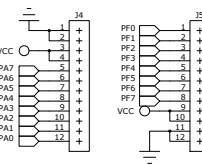
SPI



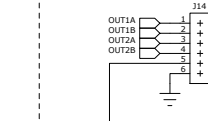
USART



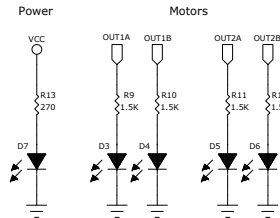
General Purpose IO



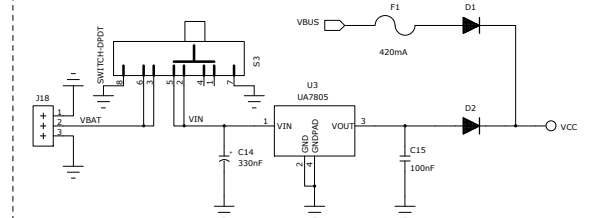
Motor/Speaker Interface



Status LEDs



Power Regulation



NOTES:

- VIN should be greater than 8V to operate Motors otherwise VIN should be greater than 7V (verify)
- VCC max operating current is 1.5A

TODO:

- Add mosfet for speaker line?
- *+5 change to +5V
- *fix ground flood at special pin
- *add jumper in line servo power
- *replace S2 w/ slider
- *solve boot on usb problem
- *add 8MHz x-tal
- add reset to SPI port
- *possibly remove C6 to avoid coupling

COMPANY:		Oregon State University			
TITLE:		Tekpet Board			
DRAWN:	Kevin Kemper	DATED:	1/4/2008	CODE:	
CHECKED:	<Checked By>	DATED:	<Checked Date>	SIZE:	
QUALITY CONTROL:	<QC By>	DATED:	<QC Date>	DRAWING NO:	0
RELEASED:	<Released By>	DATED:	<Release Date>	REV:	0
SCALE: <Scale>				SHEET: 1 of 1	