

Power supply

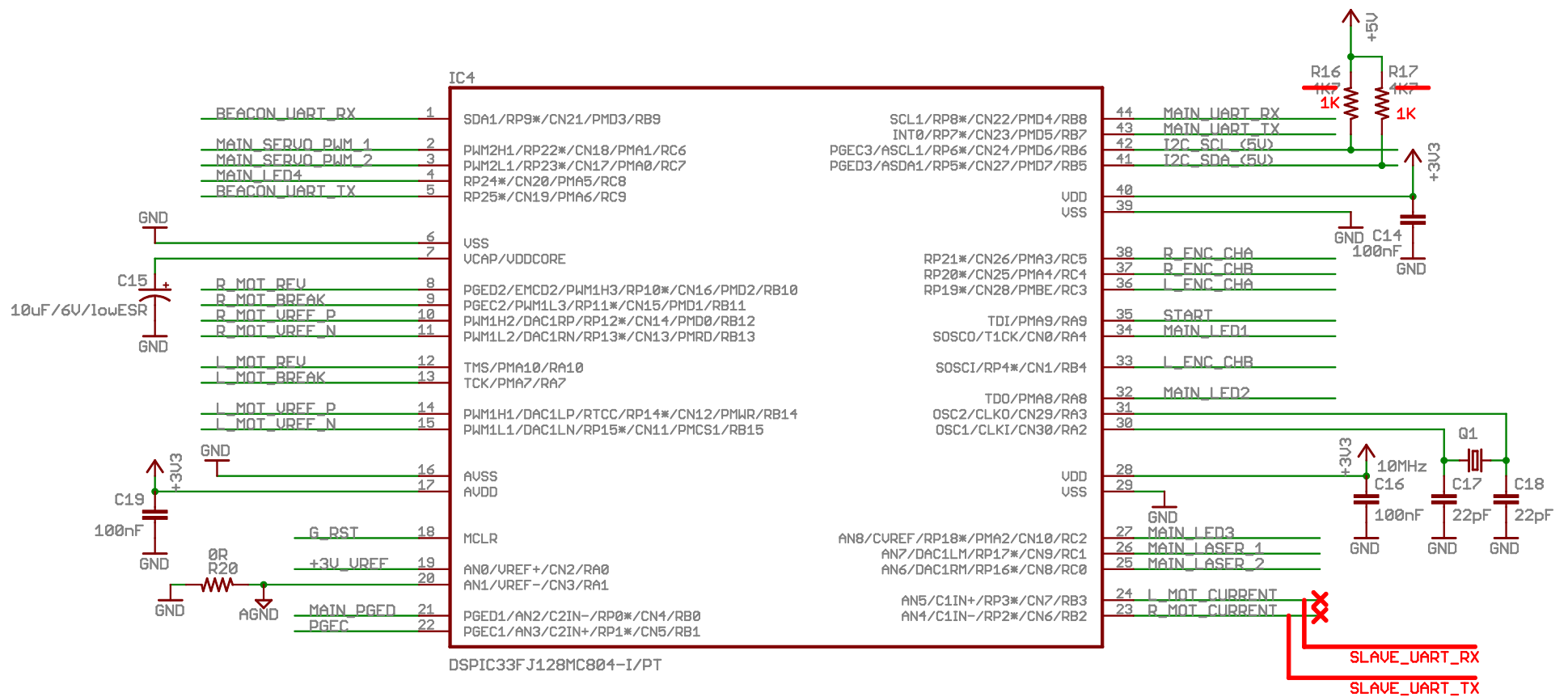
TITLE: mainboard_r15_eurobot2012_r1

Document Number:

REV:

Date: 04/02/2012 14:34:09

Sheet: 1/9



Main microcontroller

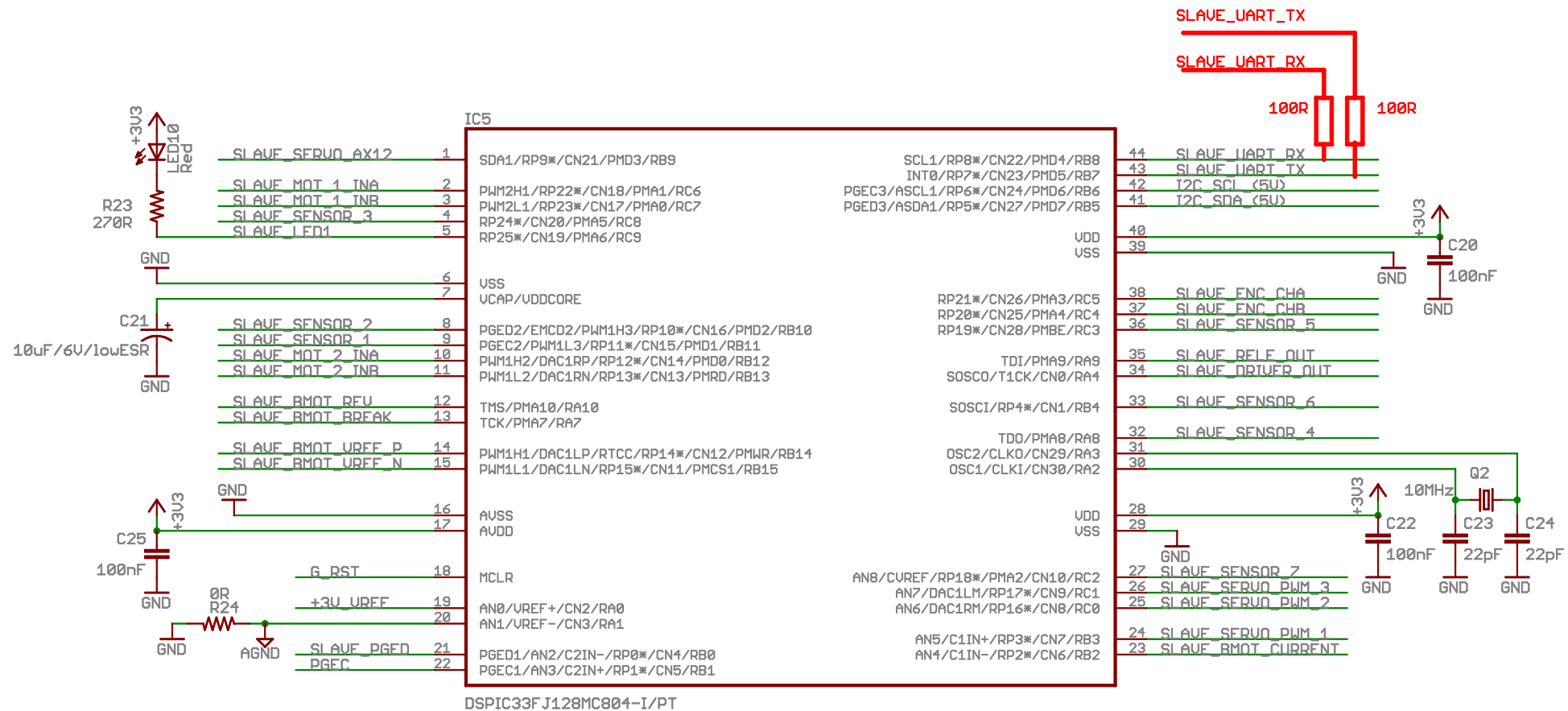
TITLE: mainboard_r15_eurobot2012_r1

Document Number:

REV:

Date: 04/02/2012 14:34:09

Sheet: 2/9



Slave microcontroller

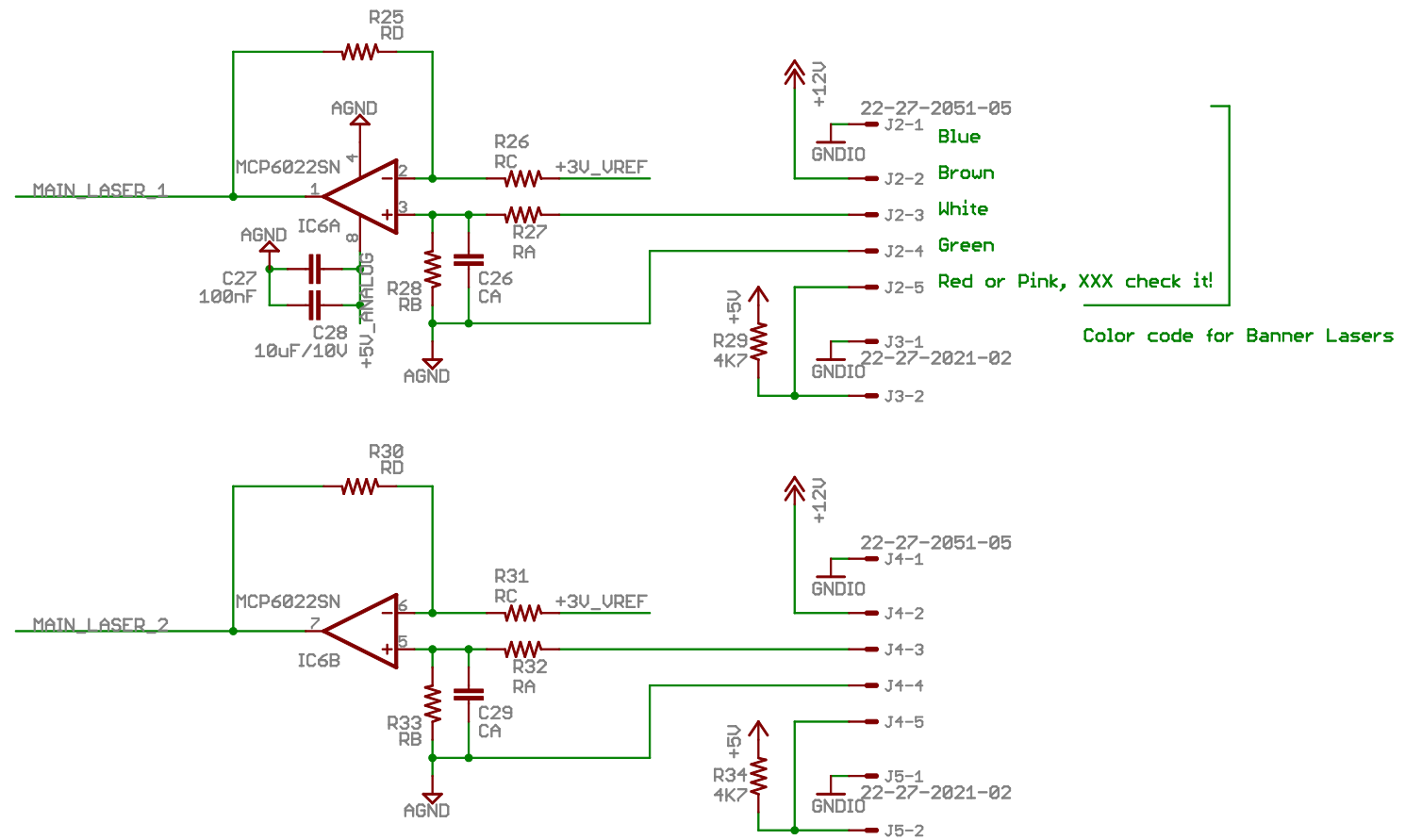
TITLE: mainboard_r15_eurobot2012_r1

Document Number:

REV:

Date: 04/02/2012 14:34:09

Sheet: 3/9



Output laser type	Component values				
	RA	RB	RC	RD	CA
Voltaje	10K/1%	4K3/1%	NC	0R	1.5uF
Current	0R	187R/1%	1K1/1%	3K3/1%	56nF

Note: In voltaje type $R_A = 2.33R_B$ and $f_c = 661\text{Hz}$
Note: In current type $R_D = 3R_C$ and $f_c = 567\text{Hz}$

Analog sensors

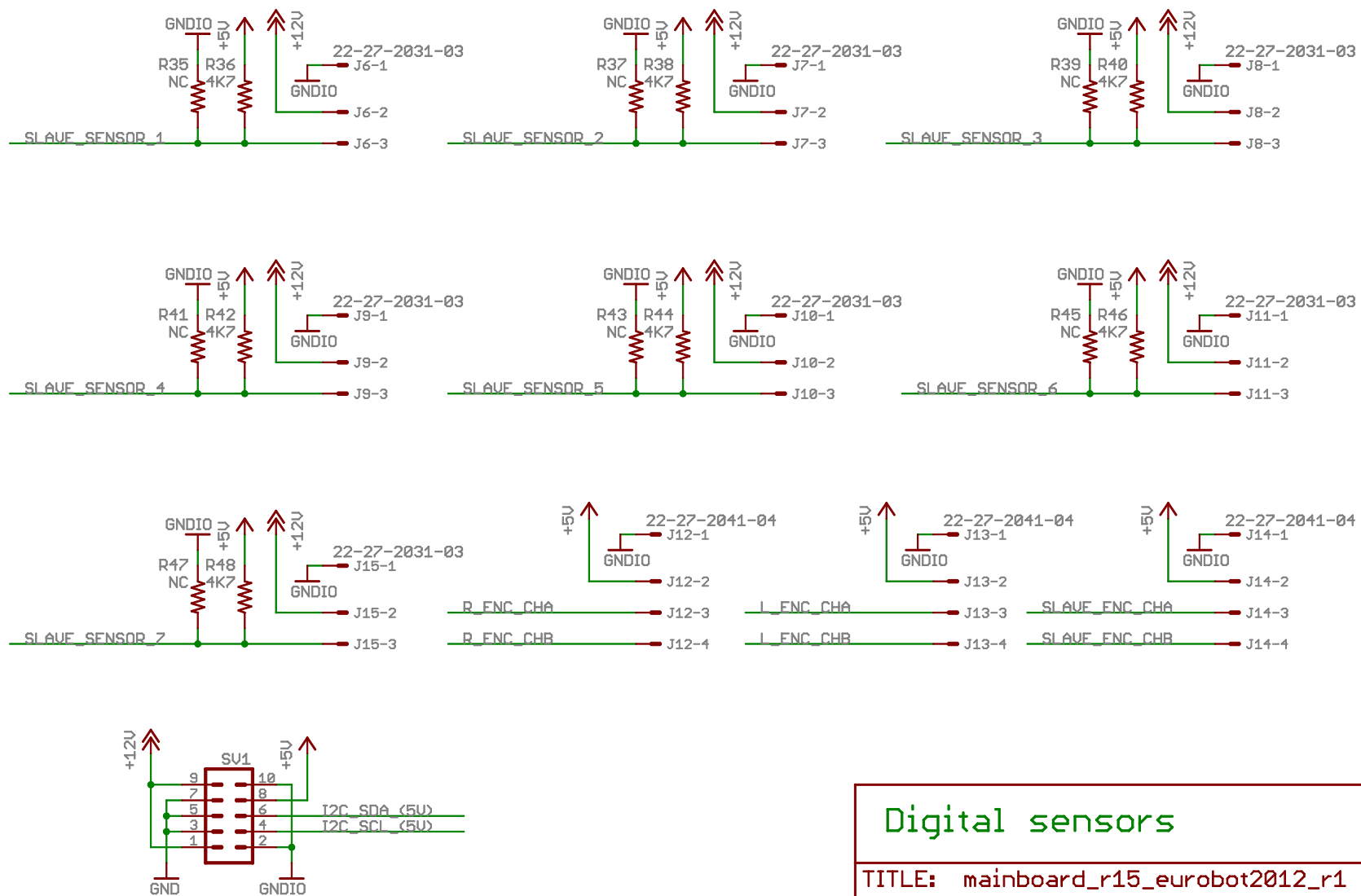
TITLE: mainboard_r15_eurobot2012_r1

Document Number:

REV:

Date: 04/02/2012 14:34:09

Sheet: 4/9



Digital sensors

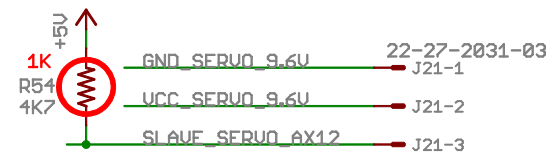
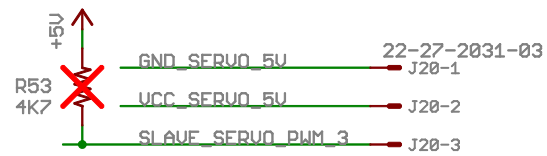
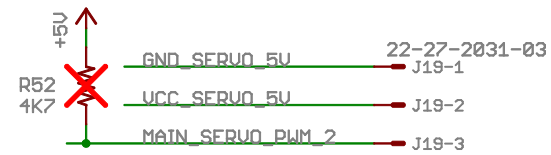
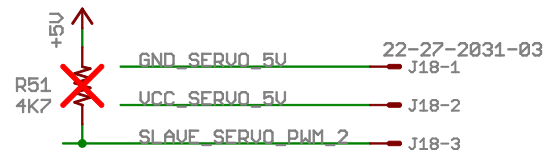
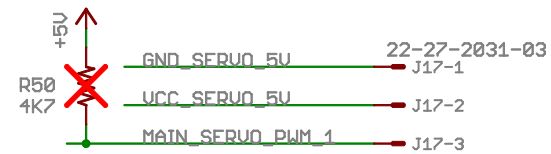
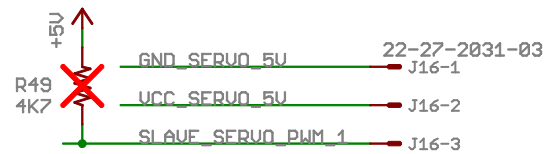
TITLE: mainboard_r15_eurobot2012_r1

Document Number:

REV:

Date: 04/02/2012 14:34:09

Sheet: 5/9



Servo motors

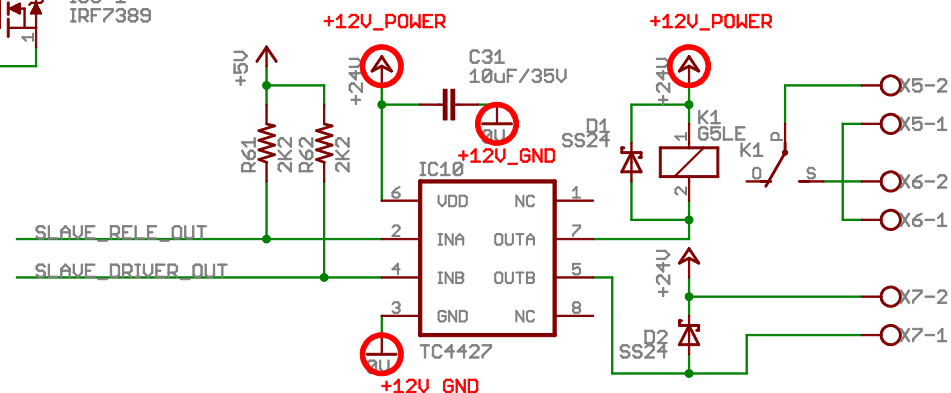
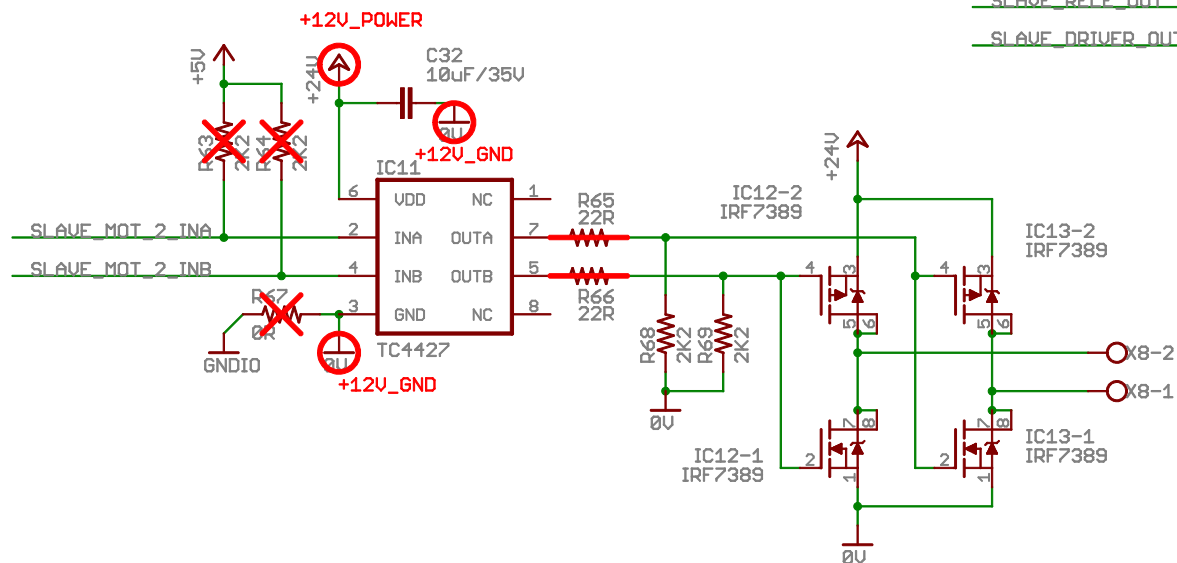
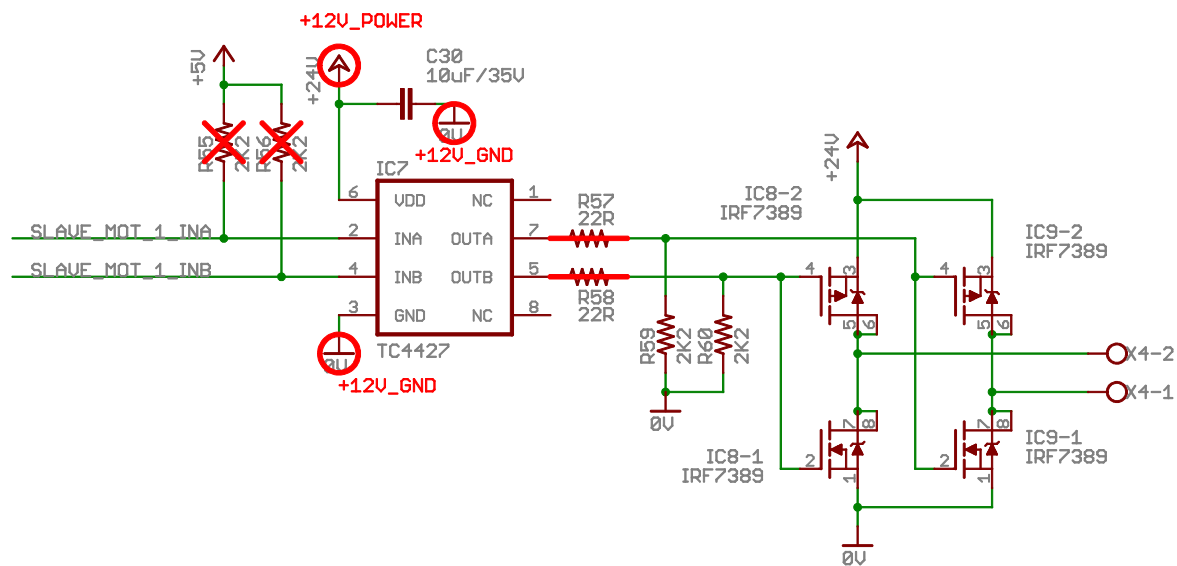
TITLE: mainboard_r15_eurobot2012_r1

Document Number:

REV:

Date: 04/02/2012 14:34:09

Sheet: 6/9



DC motors & power driving

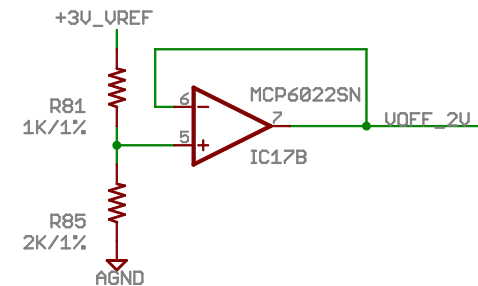
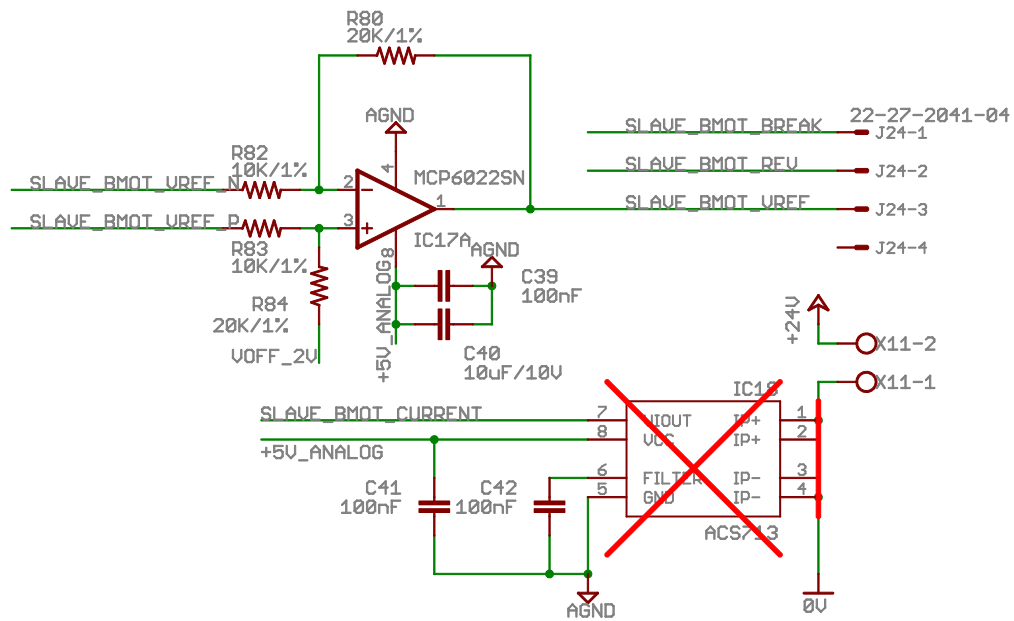
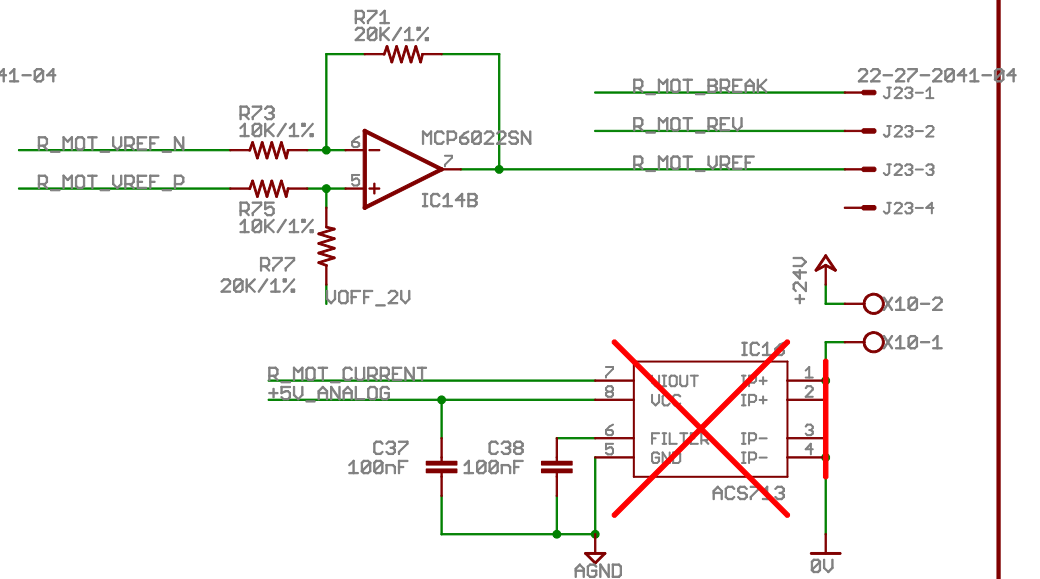
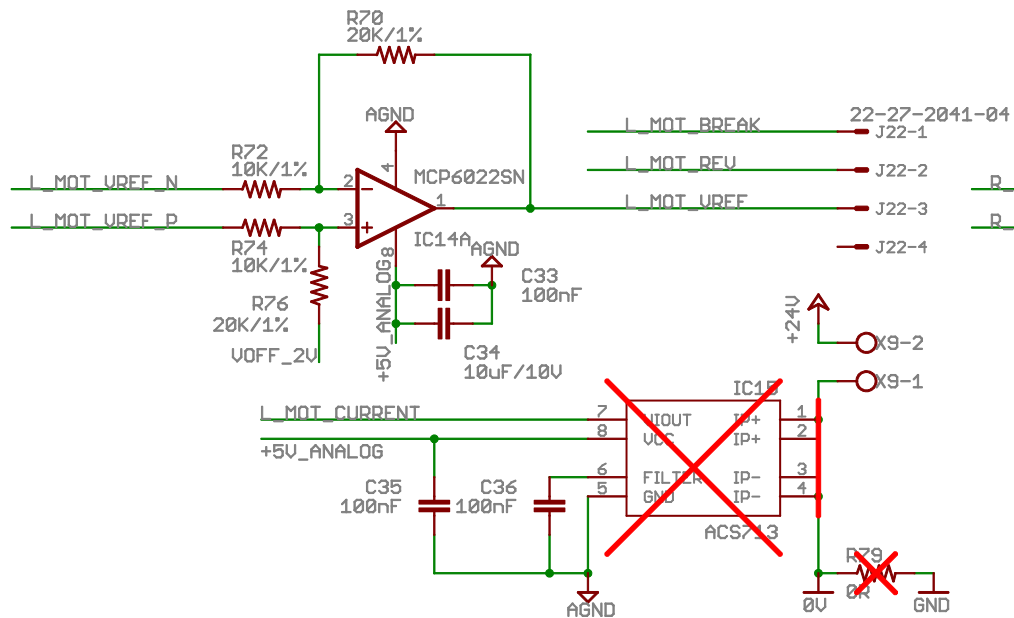
TITLE: mainboard_r15_eurobot2012_r1

Document Number:

REV:

Date: 04/02/2012 14:34:09

Sheet: 7/9



Brushless motors

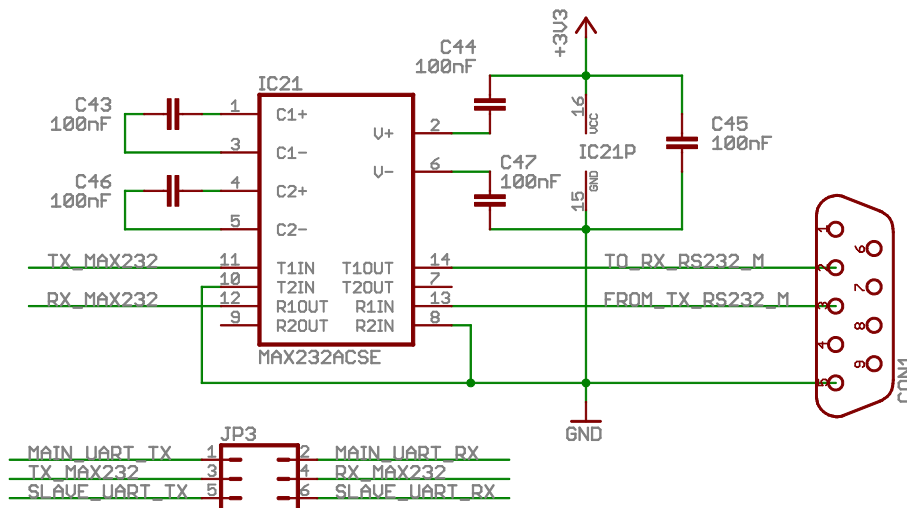
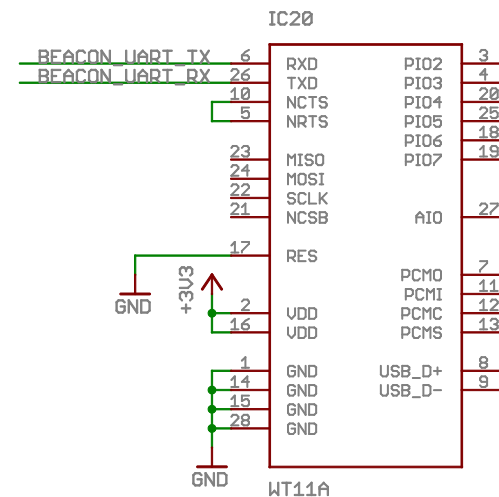
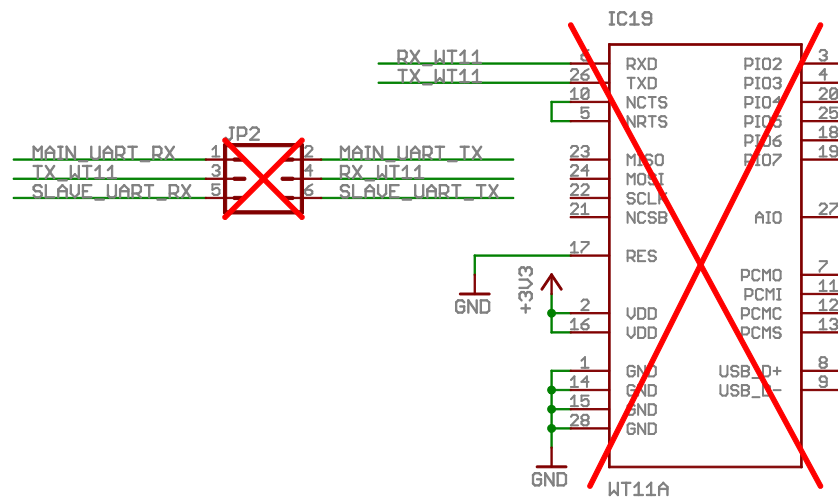
TITLE: mainboard_r15_eurobot2012_r1

Document Number:

REV:

Date: 04/02/2012 14:34:09

Sheet: 8/9



Bluetooth and RS232

TITLE: mainboard_r15_eurobot2012_r1

Document Number:

REV:

Date: 04/02/2012 14:34:09

Sheet: 9/9