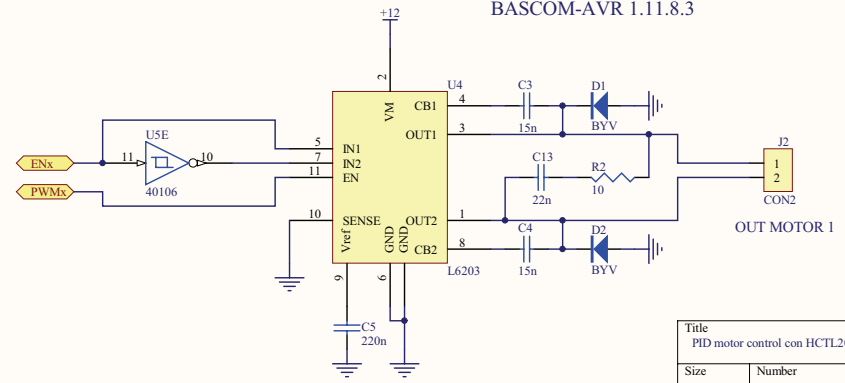
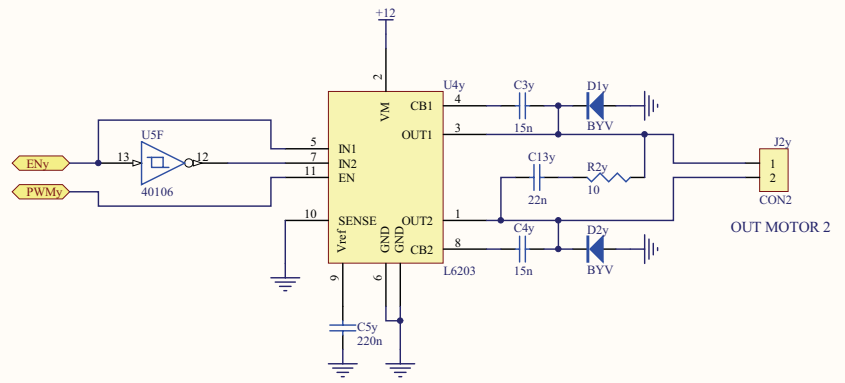


# PID Motor Control by Giovanni De Luca

VERS 2.0 31-05-07  
BASCOM-AVR 1.11.8.3



Title PID motor control con HCTL2032		
Size B	Number	Revision
Date: 20/06/2011	Sheet of 1 di 1	Drawn By: Giovanni De Luca
File: C:\0 Miel\HCTL2032 DLP-USB232M		

Comment	Description	Designator	Footprint	LibRef	Quantity
22p		C1, C2, C6, C7	CF21	CAP	8
15n		C3, C3y, C4, C4y	CF21	CAP	8
220n		C5, C5y	CF21	CAP	4
100n		C8, C9, C10, C11, C12, C14	CF21	CAP	12
22n		C13, C13y	CF21	CAP	4
1000uF		C15	CAP_EL_3	ELECTRO2	2
BYV		D1, D1y, D2, D2y	DIODE_1	DIODE	8
3A		FUSE1	FUSE_5X20	FUSE2	2
CON10		J1, J3, J4, J6	IDC10	CON10	8
CON2		J2, J2y	MORSETTO_2P	CON2	4
CON4		J5	MORSETTO_4P	CON4	2
10K		R1	RES41	RES1	2
10		R2, R2y	RES41	RES1	4
1M		R3	RES41	RES1	2
10K		R4, R5		RES1	4
ATMEGA32-40DIP	8-Bit AVR Microcontroller with 32K Bytes of In-System Programmable Flash Memory	U1	DIP40	ATmega32-16PI	2
HCTL2032		U2	DIP32	HCTL2032	2
FT232AM		U3	FT232AM	FT232AM	1
HEADER 5X2		U3	DLP-USB232M	DLP-USB232M	1
L6203		U4, U4y	MULTIWATT_11	L6203	4
40106		U5	DIP14	4584	2
18,432 Mhz		XTAL1	XTAL1	CRYSTAL	2
2Mhz		XTAL2	XTAL1	CRYSTAL	2