



Bill of Materials

IC	Description	Resistor Qty	Resistor Qty	Capacitor Qty	Capacitor Qty	Model #313H
dsPIC30F4011	Micro Controller	100	3	4.7k	33	
A3953SBT	Motor Driver	120	2	5.6k	3	47uF
MCP6294	Quad Op Amp	680	6	10k	3	
DS275	RS232 Transceiver	1k	12	68k	6	Switches 12
MCP2551	CAN Transceiver	2.7k	3			LEDs 7
HEDS-9100-I00	Quadrature Encoder	3.3k	6			Optical Interrupters 6

3 Axis Motor Controller
 With CAN Bus and RS232 Interface

Design by: AJ Stadlin
 Original 01/21/2007
 Rev A 02/22/2007
 Rev B 03/26/2007

EET/EGR Robot Controller Project
 Anne Arundel Community College