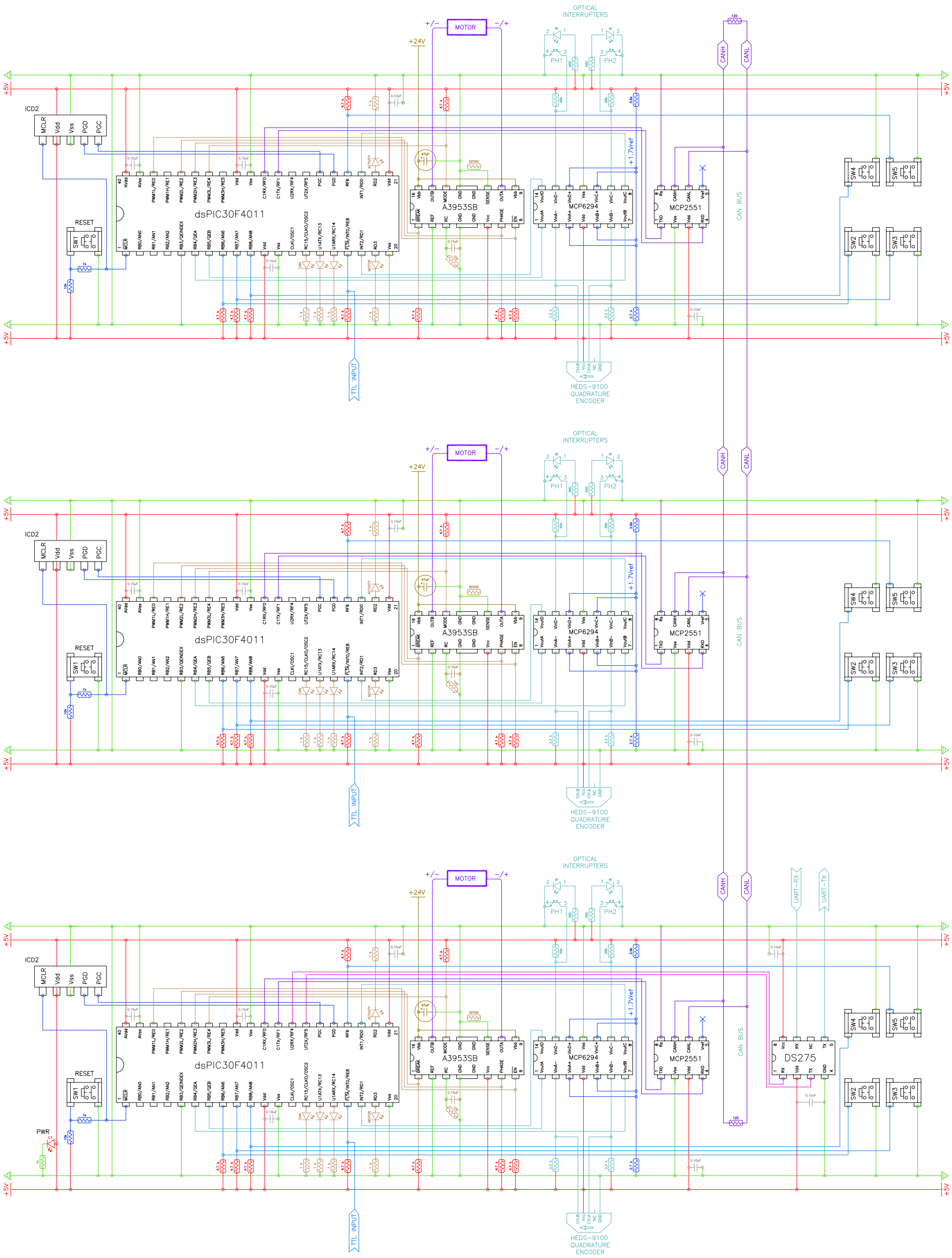

Bill of Materials							
IC	Description	Resistor	Qty	Resistor	Qty	Capacitor	Qty
dsPIC30F4011	Micro Controller	100	3	4.7k	33	0.1uF	24
A3953SBT	Motor Driver	120	2	5.6k	3	47uF	3
MCP6294	Quad Op Amp	680	6	10k	3		
DS275	RS232 Transceiver	1k	12	68k	6	Switches	12
MCP2551	CAN Transceiver	2.7k	3			LEDs	7
HEDS-9100-I00	Quadrature Encoder	3.3k	6			Optical Interrupters	6

Model #313H	3 Axis Motor Controller With CAN Bus and RS232 Interface
Design by: AJ Stadlin	
Original 01/21/2007	
Rev A 02/22/2007	EET/EGR Robot Controller Project
Rev B 03/26/2007	Anne Arundel Community College