

Important Connections

Header Pins

Pin 1 -> U4, Pin 10
 Pin 2 -> U4, Pin 11
 Pin 3 -> U1, Pin 12
 Pin 4 -> U4, Pin 9
 Pin 5,6 -> Gnd
 Pin 7,9 -> Power
 Pin 8 -> U1, Pin 10
 Pin 10 -> U1, Pin 9

Motor Driver Pins

Pin 16 -> Enable
 Pin 15 -> In2
 Pin 14 -> In1

Once Jumpers are installed Header Pins -> Motor Controls

Pin 1 -> U6, In2
 Pin 2 -> U6, In1
 Pin 3 -> U3, In1
 Pin 4 -> U6, Enable
 Pin 8 -> U3, In2
 Pin 10 -> U3, Enable

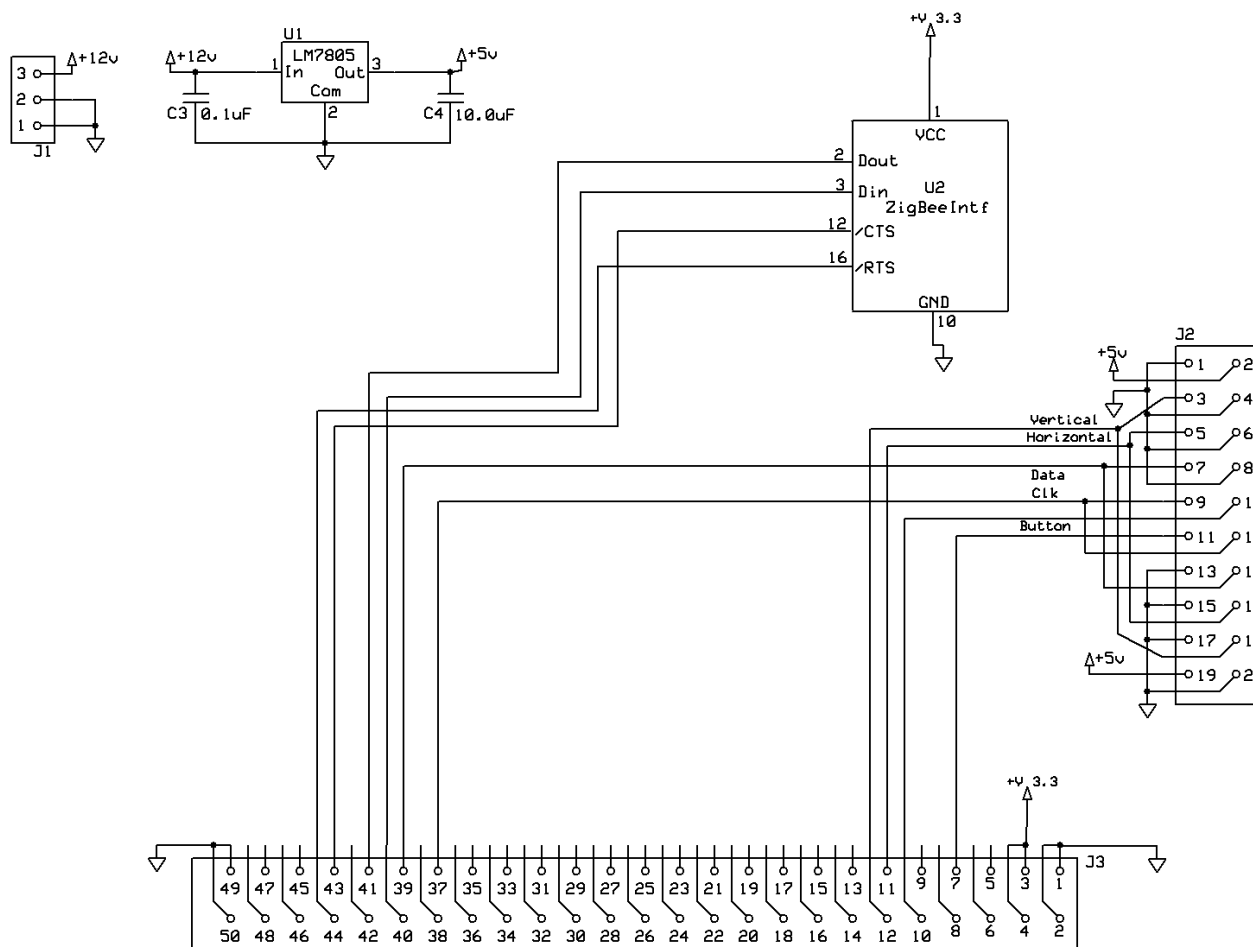
Kansas State University
Dual Motor Controller

Dwight Day

Rev 1.1

5/24/2010

Page 1



Addresses for ZigBee Modules

Remote or Vehicle ZigBee	Base or Controller ZigBee
0x3210 <==>	0x1230
0x3211 <==>	0x1231
0x3212 <==>	0x1232
⋮	⋮
⋮	⋮

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ZigBee Interface

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Rev 1.1

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Page 1 / 1