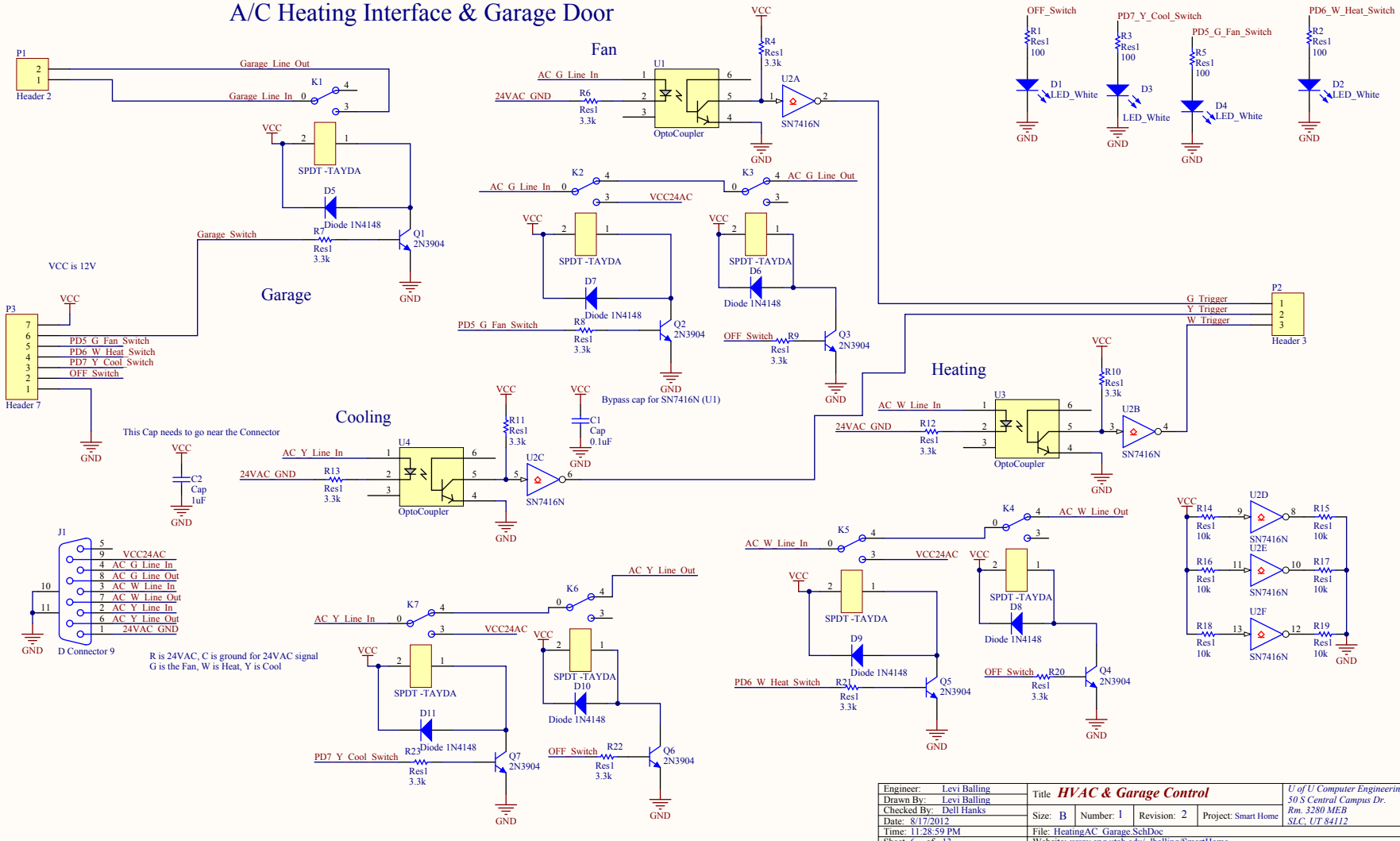
A/C Heating Interface & Garage Door



Engineer: Levi Balling	Title: *HVAC & Garage Control*		*U of U Computer Engineering*
Drawn By: Levi Balling			*50 S Central Campus Dr.*
Checked By: Dell Hanks	Size: B	Number: 1	Revision: 2	Project: Smart Home	*Rm. 3280 MEB*
Date: 8/17/2012			*SLC, UT 84112*
Time: 11:28:59 PM	File: HeatingAC_Garage.SchDoc		
Sheet 6 of 13	Website: www.eng.utah.edu/~lballing/SmartHome		

Smart Home

Bill of Materials

HVAC & Garage Control

Source Data From: HeatingAC_GarageProject.PrjPCB

Project: HeatingAC_GarageProject.PrjPCB

Variant: None

Creation Date: 8/17/2012 11:29:03 PM

Print Date: 17-Aug-12 11:29:06 PM

Footprint	Comment	LibRef	Designator	Description	Quantity
RAD-0.3	Cap	Cap	C1, C2	Capacitor	2
LED-0	LED_White	LED0	D1, D2, D3, D4	Typical INFRARED GaAs LED	4
DO-35	Diode 1N4148	Diode 1N4148	D5, D6, D7, D8, D9, D10, D11	High Conductance Fast Diode	7
DSUB1.385-2H9	D Connector 9	D Connector 9	J1	Receptacle Assembly, 9 Position, Right Angle	1
Relay SPDT Tayda	SPDT -TAYDA	SPDT	K1, K2, K3, K4, K5, K6, K7		7
HDR1X2	Header 2	Header 2	P1	Header, 2-Pin	1
HDR1X3	Header 3	Header 3	P2	Header, 3-Pin	1
HDR1X7	Header 7	Header 7	P3	Header, 7-Pin	1
2N3904	2N3904	2N3904	Q1, Q2, Q3, Q4, Q5, Q6, Q7	NPN General Purpose Amplifier	7
AXIAL-0.3	Res1	Res1	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23	Resistor	23
Octocoupler	OptoCoupler	OptoCoupler	U1, U3, U4		3
N014	SN7416N	SN7416N	U2	Hex Inverter Buffer / Driver with High-Voltage Outputs	1
					58

Approved	Notes	