

Substitutions

+ Component substitutions allowed only with TriMark approval

+ Connector pin substitutions allowed prior to first PCB Build only and with TriMark approval

+ See individual sheets for other notes

Pierce Door Module Inputs
Pierce Door Module Inputs.Sch

SECURITY_IN_L	GROUND
COMP_AJAR_IN_L	DOOR_AJAR_IN
DOOR_AJAR_IN_L	PROG_IN_7
STAT_CTRL	PROG_IN_8

Pierce Door Module Aux + Network
Pierce Door Module Aux + Network.Sch

CAN_TX	CAN_RX
CAN_H_VOLTS_IN	CAN_SLOPE_CTL
CAN_L_VOLTS_IN	GROUND
CAN_H	
CAN_L	

Pierce Door Module Signal
Pierce Door Module Signal.Sch

FOB_IN_2_L	VDD
FOB_IN_1_L	PROG_IN_9
FOB_CTRL	GROUND
PROG_IN_6_L	PROG_IN_1
PROG_IN_5_L	PROG_IN_2
PROG_IN_4_L	PROG_IN_3
PROG_IN_3_L	PROG_IN_4
PROG_IN_2_L	PROG_IN_5
PROG_IN_1_L	PROG_IN_6
PROG_CTRL	PROG_IN_10

Pierce Door Module Connector
Pierce Door Module Connector.Sch

BANK_D_OUT_A	VEHICLE_POWER
BANK_D_OUT_B	VEHICLE_GROUND
ZONE_1_OUT_A	PROG_IN_1
ZONE_1_OUT_B	PROG_IN_2
DOMELIGHT_OUT	PROG_IN_5
	PROG_IN_6
	CAN_H
	CAN_L
	DOOR_AJAR_IN
	PROG_IN_3
	PROG_IN_4
	PROG_IN_8
	PROG_IN_7
	GROUND
	VCC
	FOB_DATA
	GROUND
	MCLR
	PGD
	PGC
	PGM
	VCC
	PROG_IN_9
	PROG_IN_10
	VEHICLE_POWER
	VEHICLE_GROUND
	ANTENNA
	ANTENNA

Pierce Door Module CPU
Pierce Door Module CPU.Sch

DOMELIGHT_OUT_L	CAN_RX
CAN_TX	CAN_H_VOLTS_IN
CAN_SLOPE_CTL	CAN_L_VOLTS_IN
BUS_A_POL_OUT_L	DIP_SW_1_IN
BUS_B_POL_OUT_L	DIP_SW_2_IN
BANK_D_OUT_L	DIP_SW_3_IN
ZONE_1_OUT_L	DIP_SW_4_IN
DIP_SW_CTRL	DIP_SW_5_IN
TIMER_CTRL	DIP_SW_6_IN
FOB_CTRL	DIP_SW_7_IN
PROG_CTRL	DIP_SW_8_IN
STAT_CTRL	TIMER_VOLTS_IN
PROG_IN_6_L	SYSTEM_VOLTS_IN
PROG_IN_5_L	FOB_IN_2_L
PROG_IN_4_L	FOB_IN_1_L
PROG_IN_3_L	DOOR_AJAR_IN_L
PROG_IN_2_L	FOB_DATA
PROG_IN_1_L	MCLR

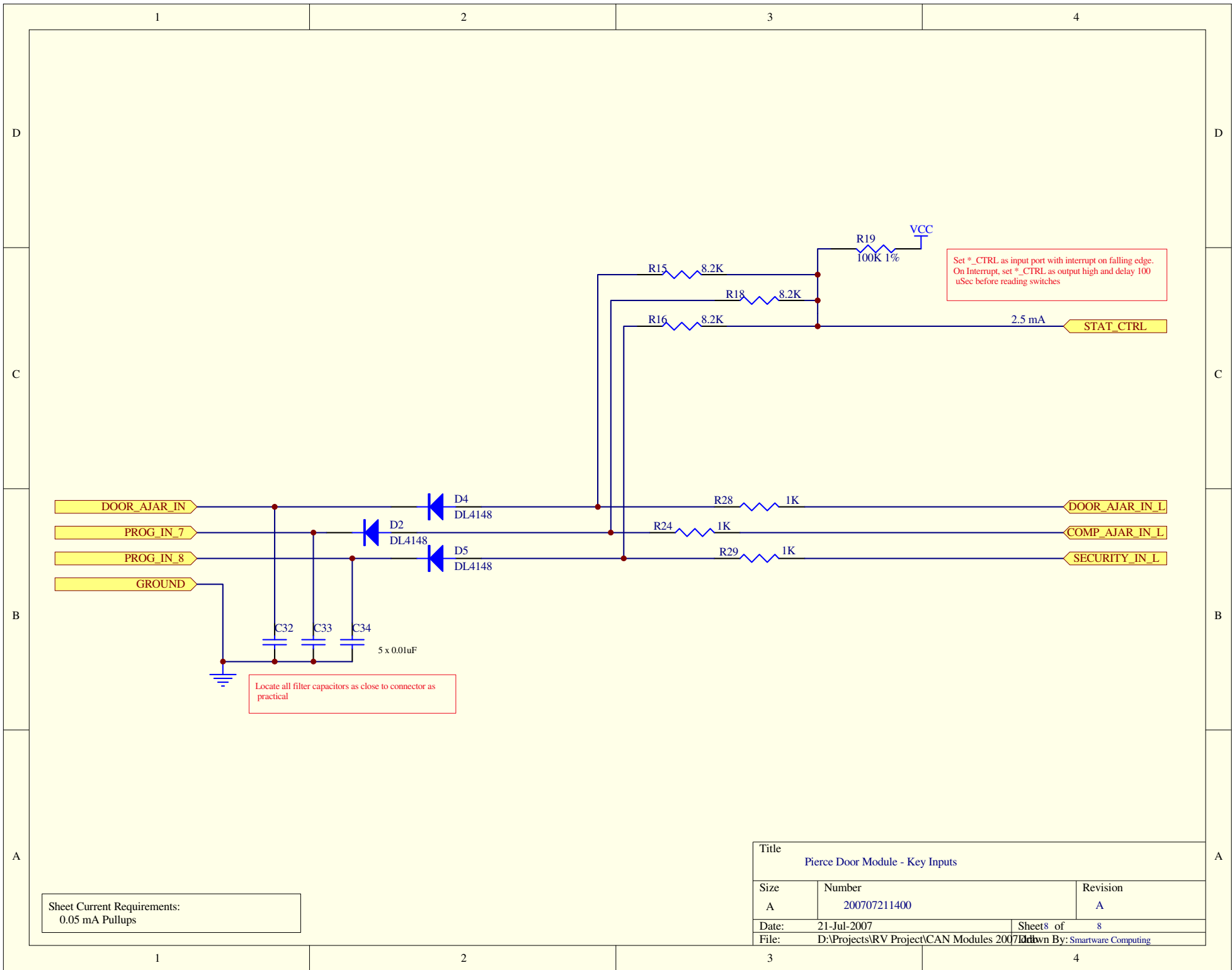
Pierce Door Module Relay
Pierce Door Module Relay.Sch

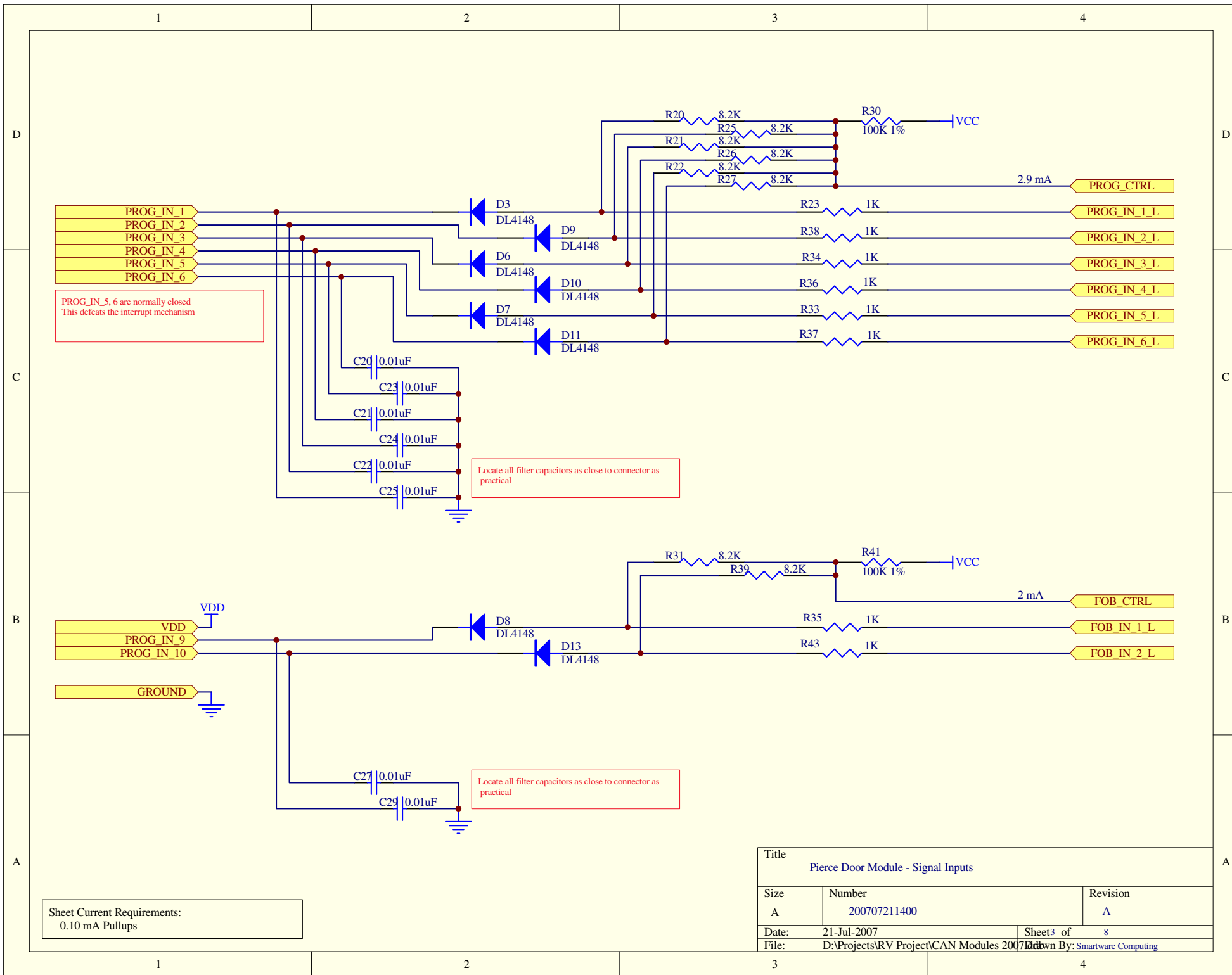
BUSB	BUS_A_POL_OUT_L
BUSB	BUS_B_POL_OUT_L
BUSB	BANK_D_OUT_L
BUSA	ZONE_1_OUT_L
BUSA	VEHICLE_POWER
BUSA	VEHICLE_GROUND
BANK_D_OUT_L	DOMELIGHT_OUT_L
BANK_D_OUT_A	
ZONE_1_OUT_A	
ZONE_1_OUT_B	
DOMELIGHT_OUT	

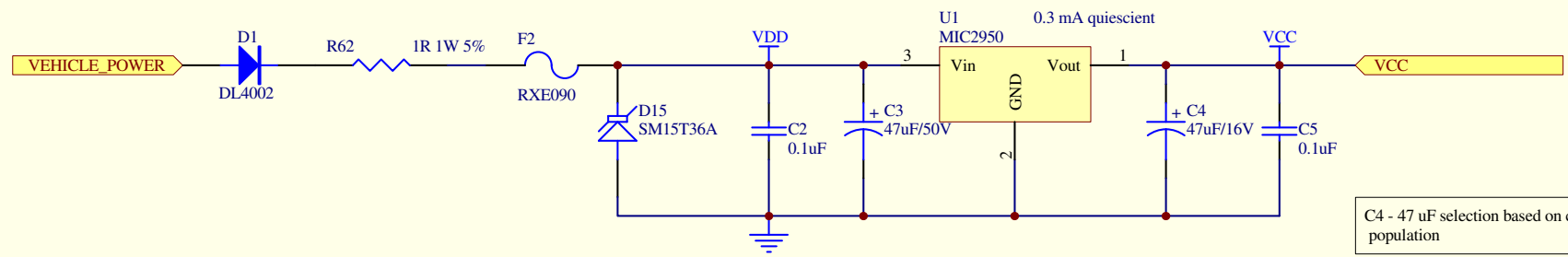
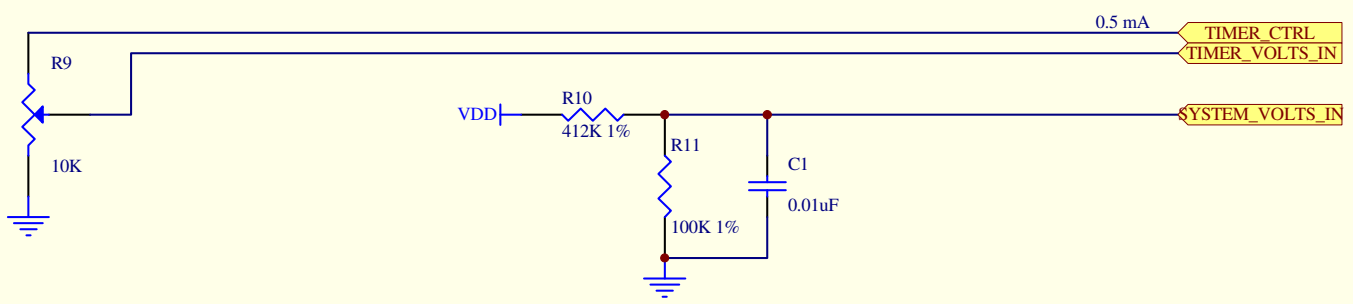
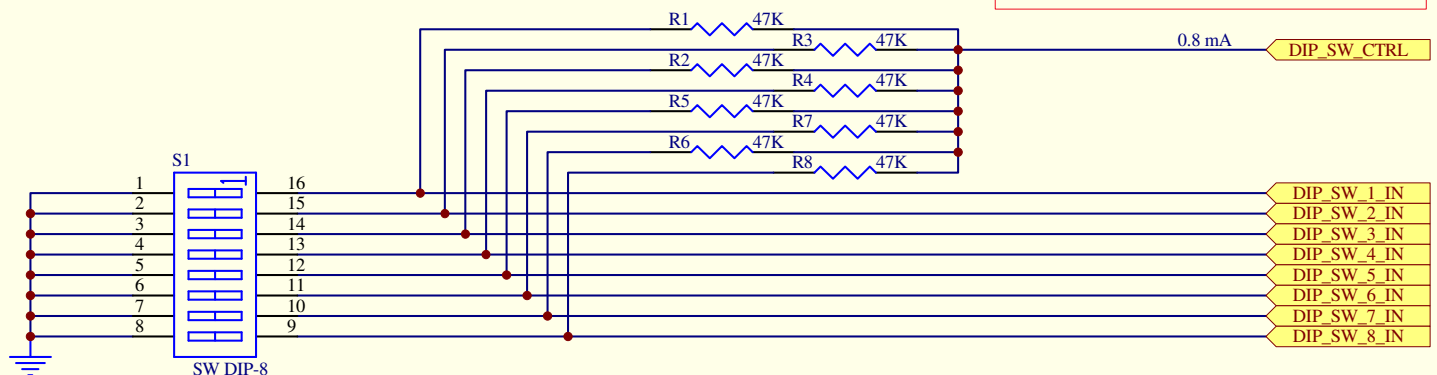
Pierce Door Module Power + Config
Pierce Door Module Power + Config.Sch

DIP_SW_CTRL	VCC
DIP_SW_1_IN	VEHICLE_POWER
DIP_SW_2_IN	
DIP_SW_3_IN	
DIP_SW_4_IN	
DIP_SW_5_IN	
DIP_SW_6_IN	
DIP_SW_7_IN	
DIP_SW_8_IN	
TIMER_CTRL	
TIMER_VOLTS_IN	
SYSTEM_VOLTS_IN	

Title		
Pierce Door Module - Top Level		
Size	Number	Revision
A	200707211400	A
Date:	21-Jul-2007	Sheet 1 of 8
File:	D:\Projects\RV Project\CAN Modules 200707211400	
	Drawn By: Smartware Computing	

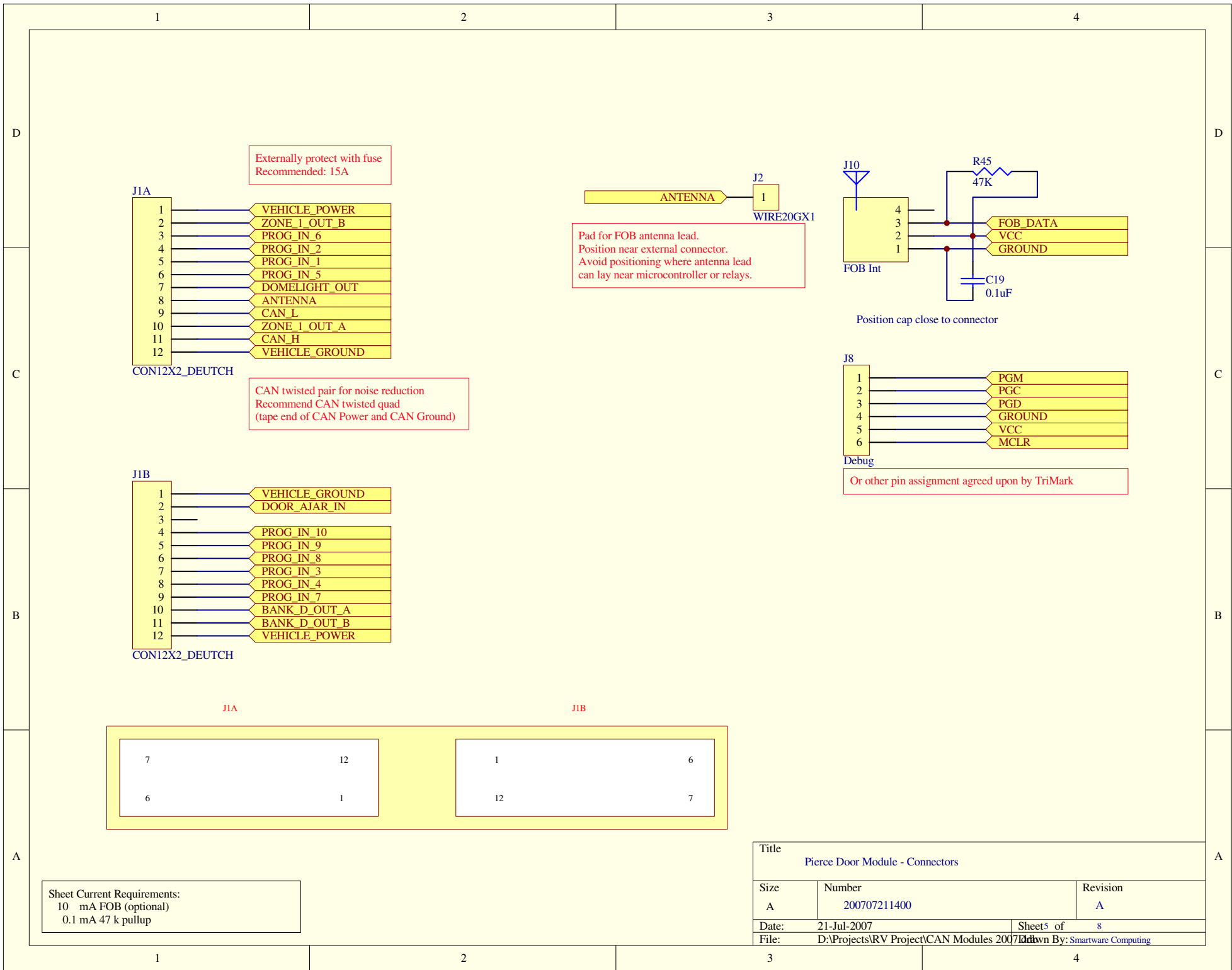


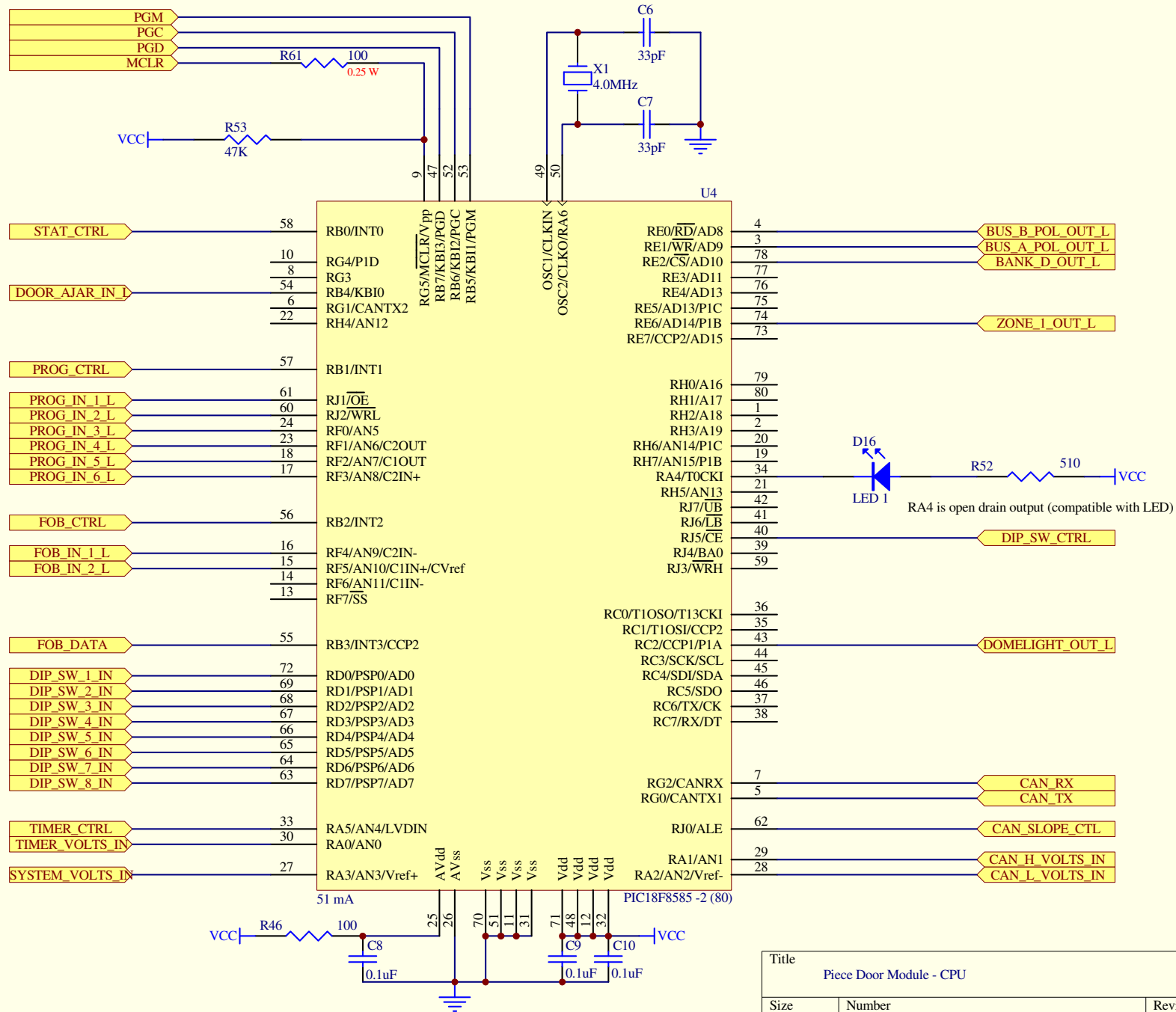




Sheet Current Requirements:
0.8 mA DIP Switch (during read)
0.5 mA Timer Control (during read)
0.3 mA Voltage Regulator (quiescent)
0.02 mA System Voltage sense
1.62 mA Total

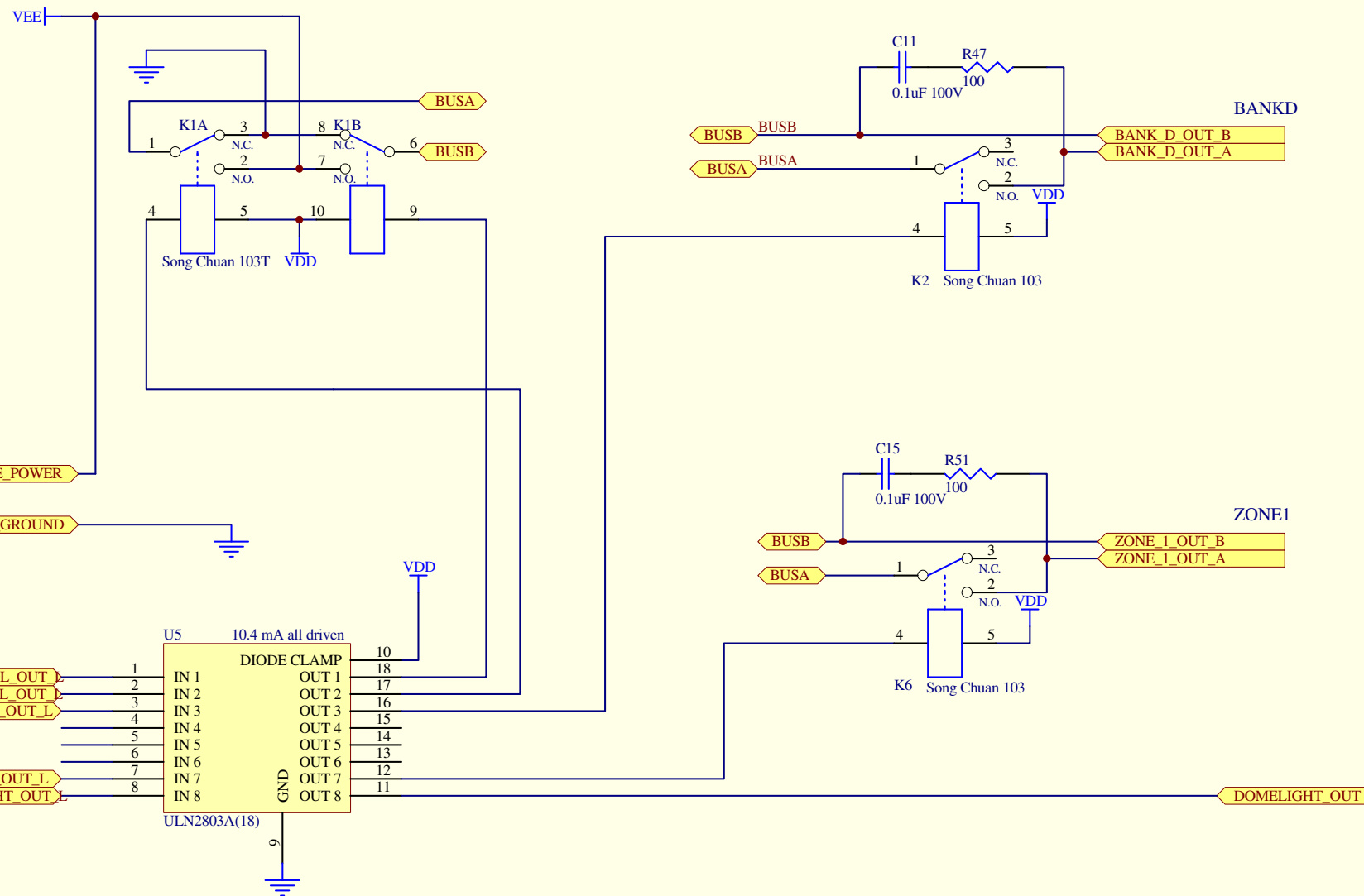
Title Pierce Module - Power + Config		
Size A	Number 200707211400	Revision A
Date: 21-Jul-2007	Sheet4 of 8	
File:	D:\Projects\RV Project\CAN Modules 2007\Drawn By: Smartware Computing	





Sheet Current Requirements:
65 mA full CPU

Title Piece Door Module - CPU		
Size A	Number 200707211400	Revision A
Date:	21-Jul-2007	Sheet 6 of 8
File:	D:\Projects\RV Project\CAN Modules 2007\Drawn By: Smartware Computing	



Relay substitution with TriMark approval only

Sheet Current Requirements:
10.4 mA All circuits driven in 2803

Title		
Pierce Door Module - Relay		
Size	Number	Revision
A	200707211400	A
Date:	21-Jul-2007	Sheet 7 of 8
File:	D:\Projects\RV Project\CAN Modules 200707211400.dwg	
	Drawn By: Smartware Computing	