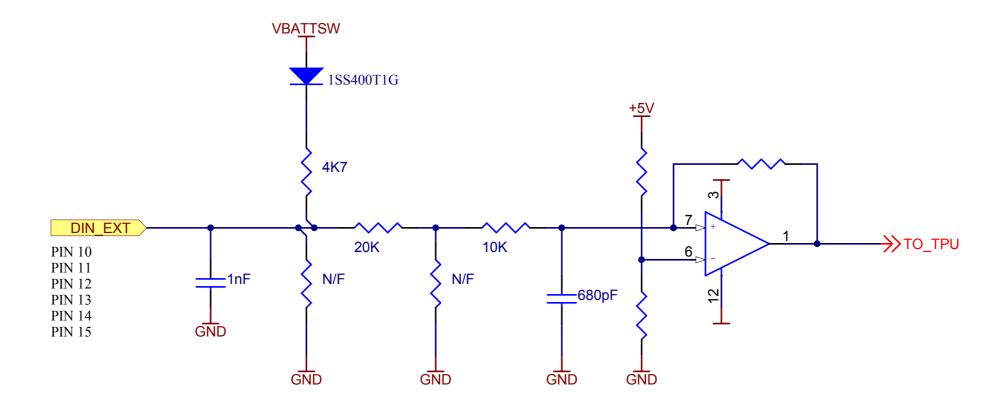
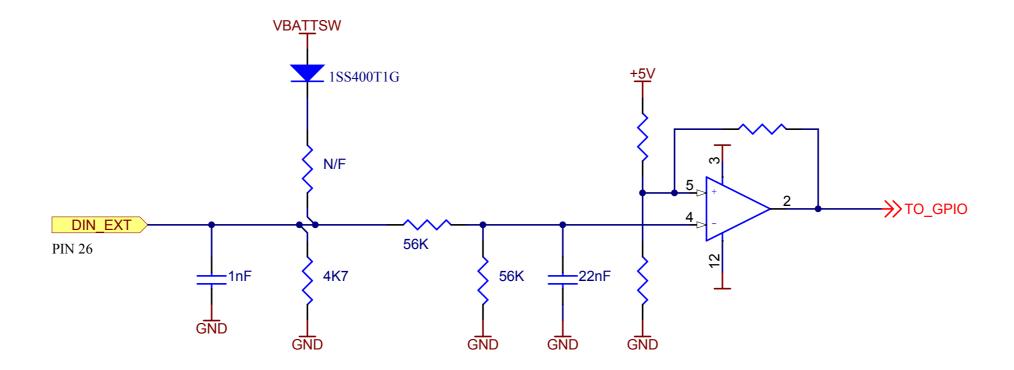
STANDARD DIGITAL INPUT



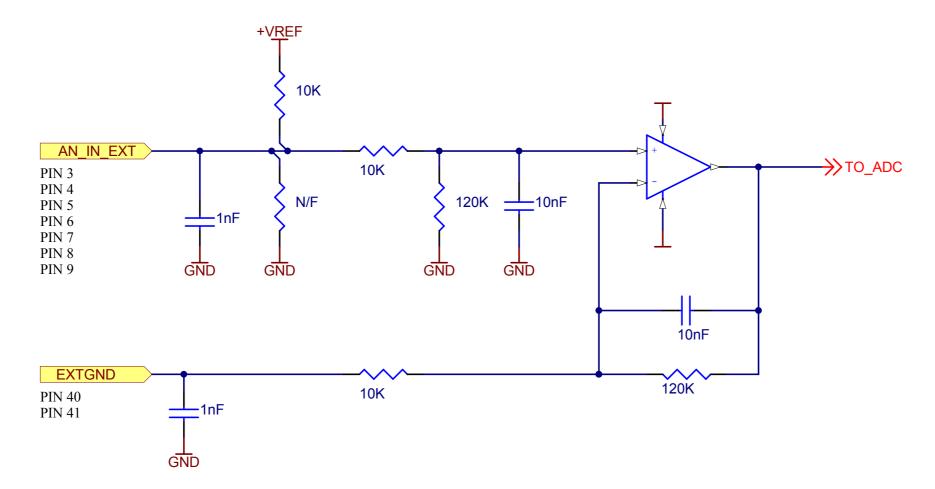
Ĵ	PRODUCT NAME M250 Simplifie	M250 Simplified I/O Schematics				
Innov	SHEET TITLE DIGITAL INPU	JT CIRCUIT (pins 10, 11,	12, 13	, 14 and	,	
A 4	Assy Part Number: PCB Part Number:	29T-068332IO-xE			Revision 3	Mod State 0
lenar	ne: SHT01 - DIGITA	L INPUTS.SchDoc			Sheet 1	of 10
ate:	19/09/2012	SVN \$Revision:: 12319	\$	Drawn	By: Martin Y	Wiseman

IGNITION DIGITAL INPUT

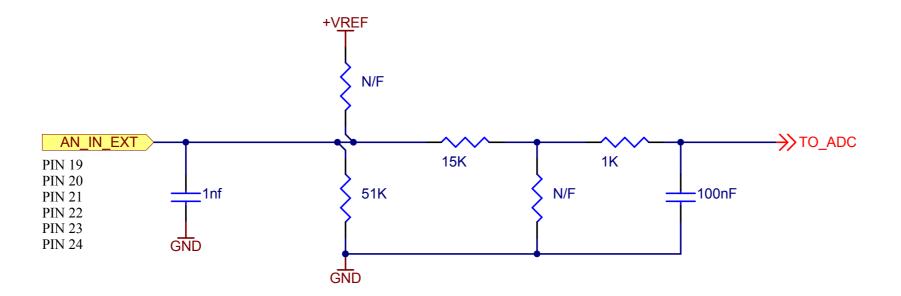


	PRODUCT NAME M250 Simplifie	ed I/O Schematics			©Pi Inno	ovo 2	012
nnov	SHEET TITLE IGNITION DIC	GITAL INPUT CIRCUIT (pi	in 26)				
	Assy Part Number:	29T-068332IO-xE			Revision	Mod	l State
14	PCB Part Number:				3		0
lenan	ne: SHT02 - DIGITA	L INPUTS 2.SchDoc			Sheet 2	of	10
ite:	19/09/2012	SVN \$Revision:: 12319	\$	Drawn	By: Martin V	Wisem	nan

RTD ANALOGUE INPUT (ANALOGUE INPUT WITH GAIN)

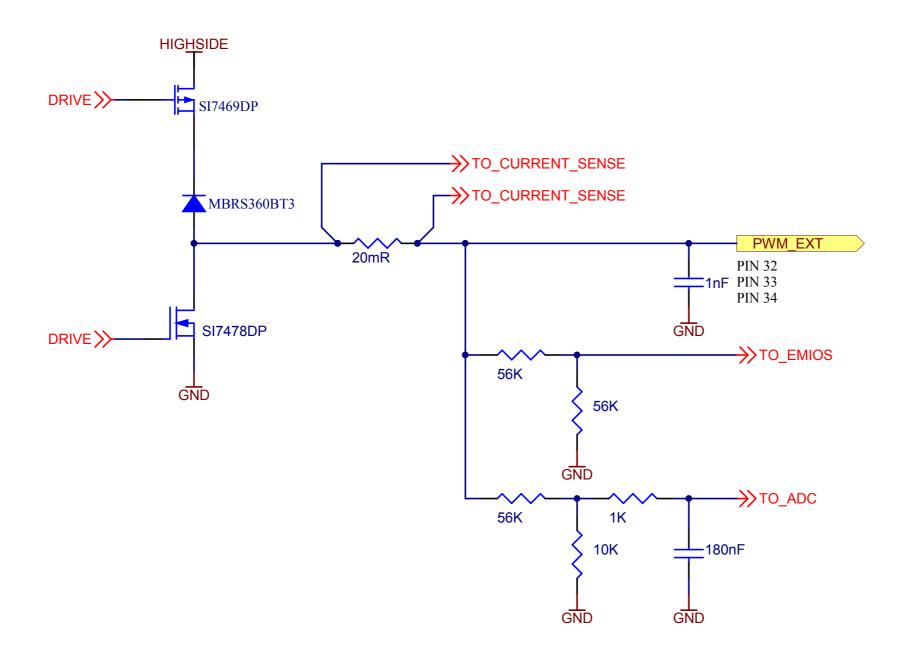


STANDARD 0-5V ANALOGUE INPUT



	PRODUCT NAME M250 Simplifie	ed I/O Schematics		©Pi Inno	vo 2012
Pi Innov	SHEET TITLE ANALOGUE I	NPUT CIRCUITS (pins 3, 4, 5,	, 6, 7, 8, 9,	, 19, 20, 21, 22	2, 23 and 24)
	Assy Part Number:	29T-068332IO-xE		Revision	Mod State
A4	PCB Part Number:			3	0
Filenar	ne: SHT03 - ANALO	GUE INPUTS 1.SchDoc		Sheet 3	of 10
Date:	19/09/2012	SVN \$Revision:: 12319 \$	Drawn	By: Martin V	Wiseman

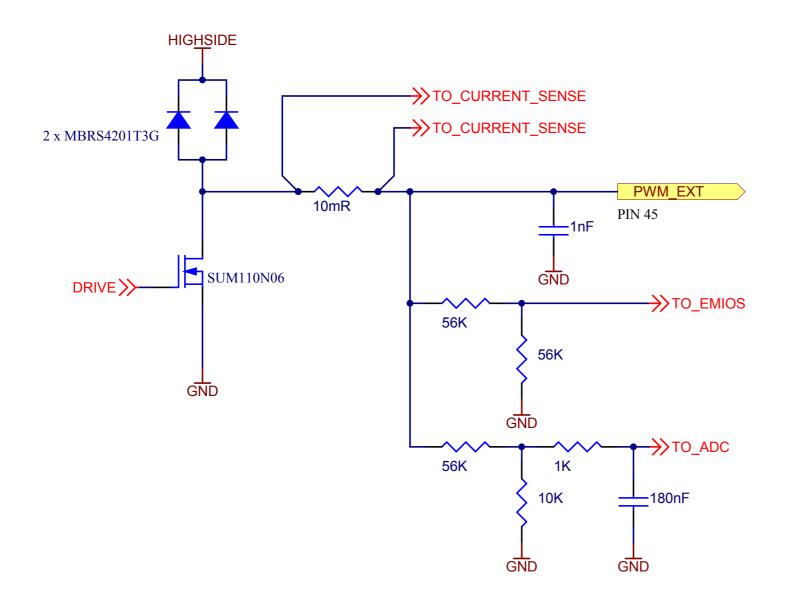
5A INJECTOR OUTPUT

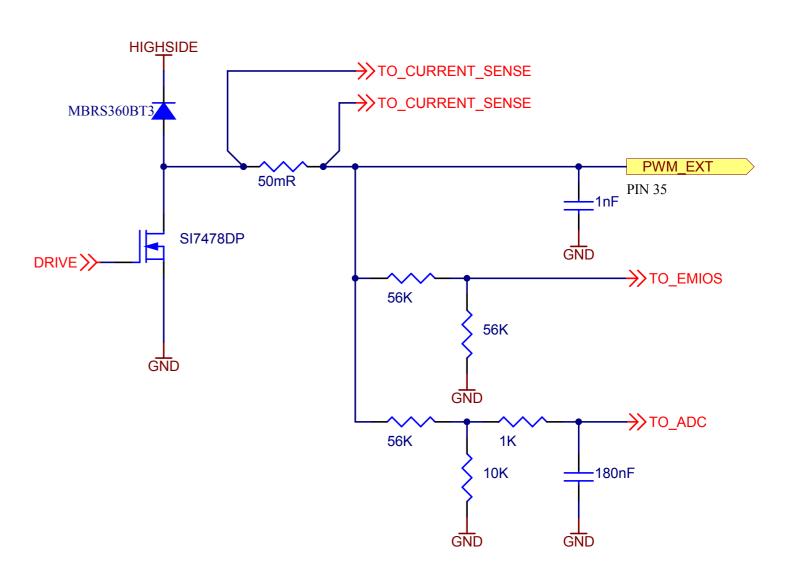


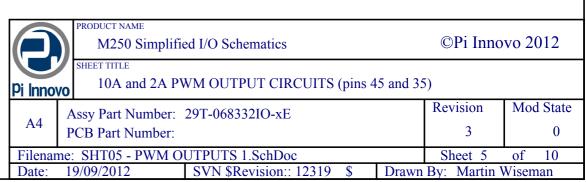
	PRODUCT NAME M250 Simplified I/O Schematics				©Pi Innovo 2012			
Innov	SHEET TITLE 5A INJECTOR	OUTPUT CIRCUIT (pins	32, 33	3 and 34)				
	Assy Part Number:	29T-068332IO-xE			Revision	Mod	l State	
A4	PCB Part Number:	PCB Part Number:					0	
ilenar	ne: SHT04 - INJECT	OR OUTPUTS.SchDoc			Sheet 4	of	10	
ate:	19/09/2012	SVN \$Revision:: 12319	\$	Drawn	By: Martin	Wisem	ian	

10A PWM OUTPUT

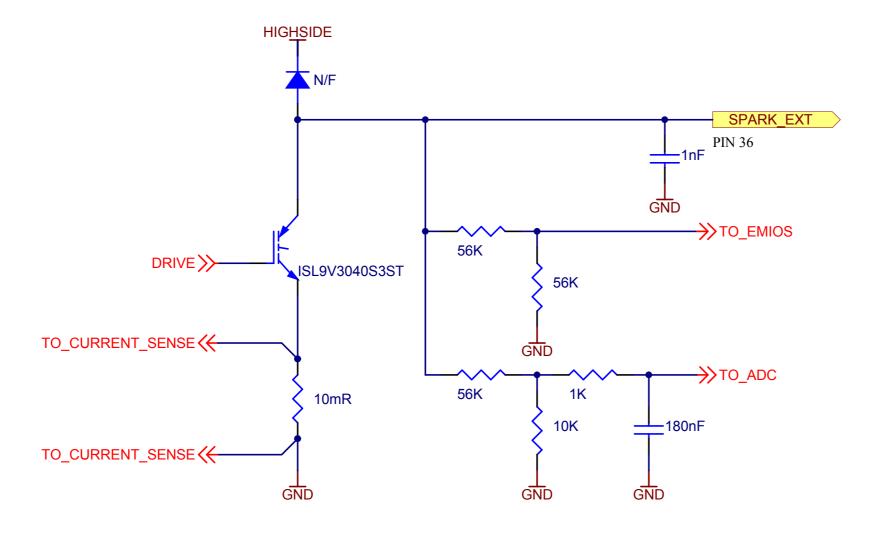
2A PWM OUTPUT



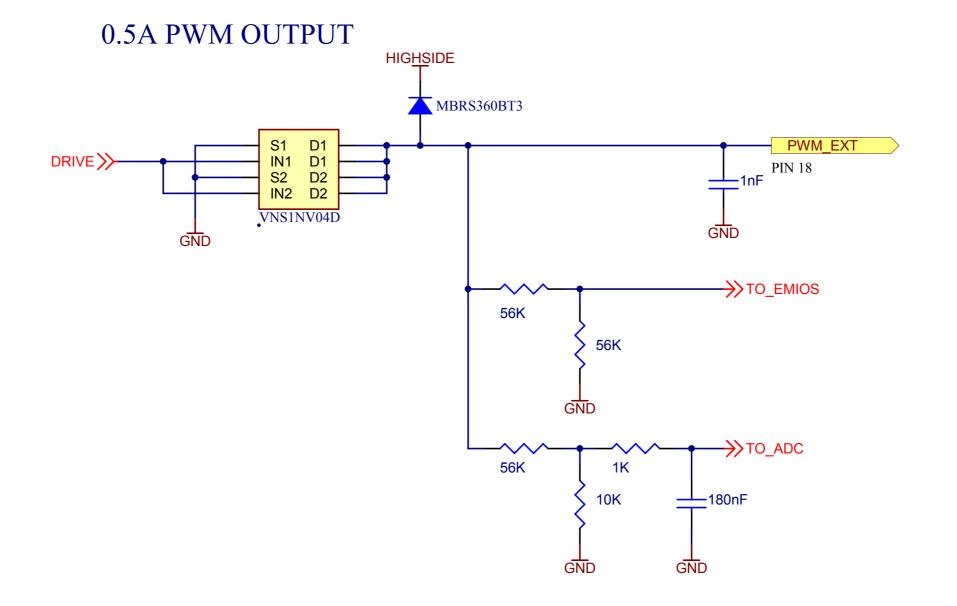




8A SPARK COIL PWM OUTPUT

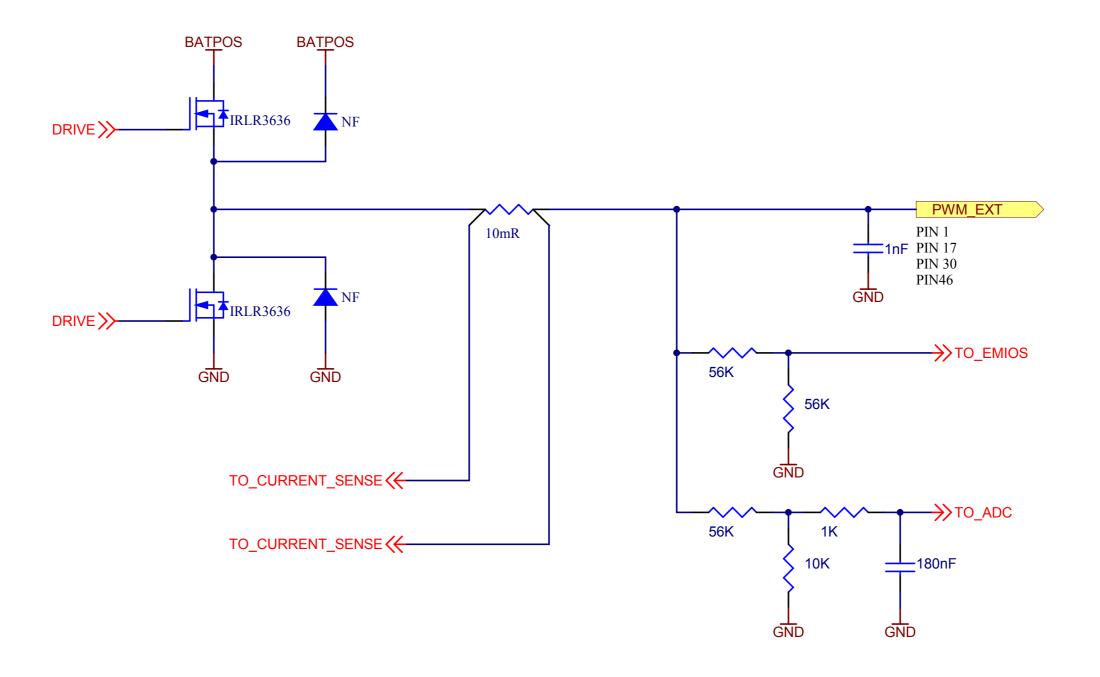


Ĵ		ed I/O Schematics			©Pi Inn	ovo 2	2012
Inno	SHEET TITLE 8A SPARK CO	OIL PWM OUTPUT CIRC	UIT (p	in 36)			
	Assy Part Number:	Assy Part Number: 29T-068332IO-xE			Revision	Mod	d State
A 4	PCB Part Number:	, and the second					0
lenar	ne: SHT06 - SPARK	OUTPUTS.SchDoc			Sheet 6	of	10
ate:	19/09/2012	SVN \$Revision:: 12319	\$	Drawn	By: Martin	Wisen	ıan



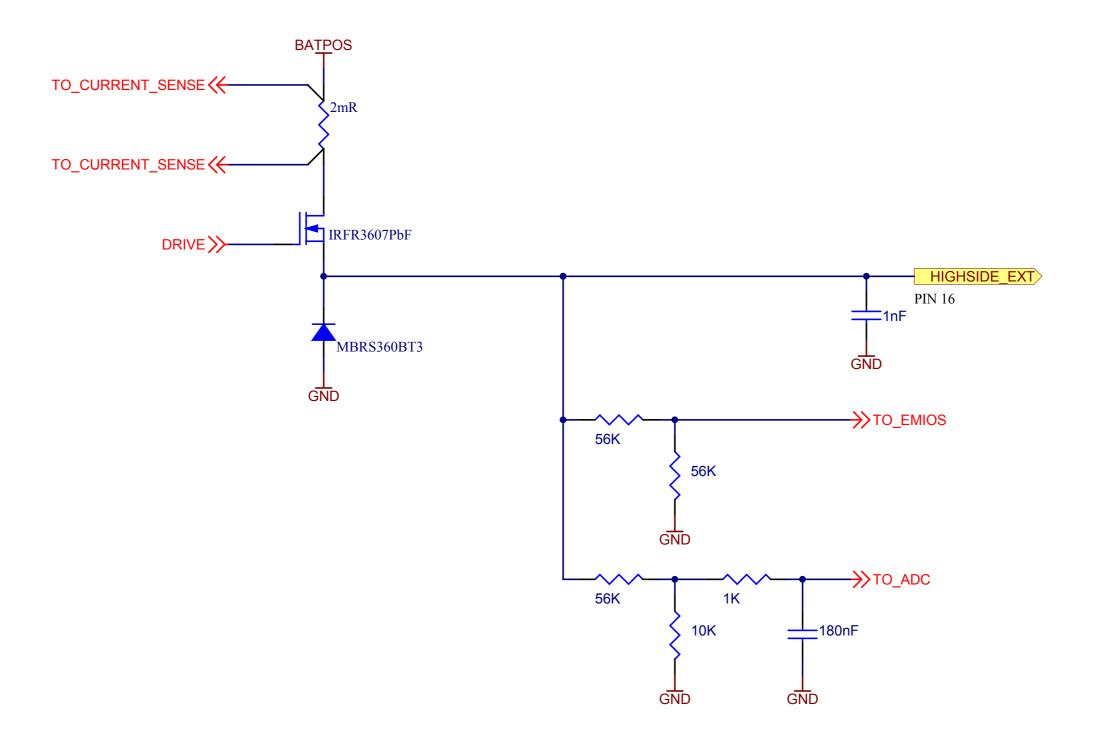
Ĵ	PRODUCT NAME M250 Simplifie	ed I/O Schematics		©Pi Inno	vo 20)12
nno	sheet title 0.5A PWM OU	TPUT CIRCUIT (pin 18)				
,	Assy Part Number:	29T-068332IO-xE		Revision	Mod	d State
4	PCB Part Number:			3		0
enar	ne: SHT07 - PWM O	UTPUTS 2.SchDoc		Sheet 7	of	10
ite:	19/09/2012	SVN \$Revision:: 12319	\$ Drawn	By: Martin	Wisen	nan

HALF H-BRIDGE PWM OUTPUT



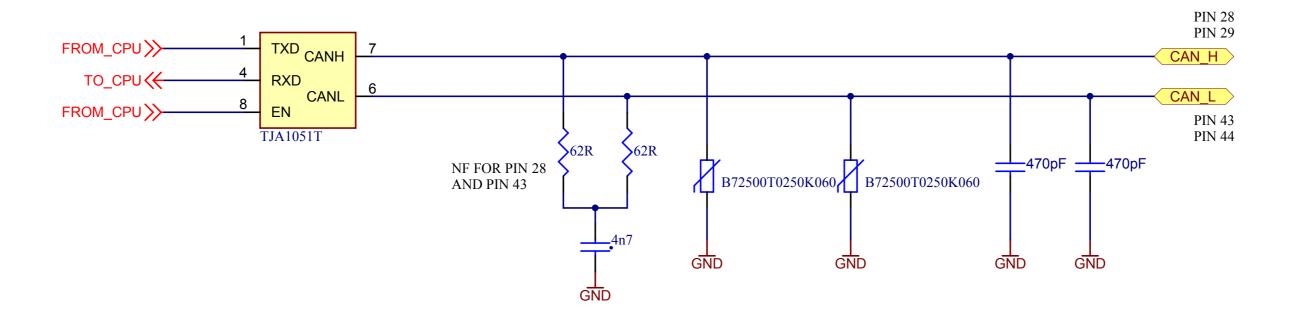
Ĵ	PRODUCT NAME M250 Simplifie	M250 Simplified I/O Schematics				©Pi Innovo 2012			
nno	SHEET TITLE HALF BRIDGE	E PWM OUTPUT CIRCU	IT (pin	s 1, 17,					
	Assy Part Number:	29T-068332IO-xE			Revision	Mod	d State		
14	PCB Part Number:				3		0		
lenar	ne: SHT08 - H-BRID	GE OUTPUTS.SchDoc			Sheet 8	of	10		
ite:	19/09/2012	SVN \$Revision:: 12319	\$	Drawn	By: Martin	Wisen	nan		

HIGHSIDE OUTPUT



Ĵ	PRODUCT NAME M250 Simplified I/O Schematics			©Pi Inn	ovo 2	2012	
nno	SHEET TITLE Highside Outpu	at Circuit (pin 16)					
14	Assy Part Number: PCB Part Number:	29T-068332IO-xE			Revision 3	Mod	d State 0
lenar	ne: SHT09 - PWM O	UTPUTS 3.SchDoc			Sheet 9	of	10
ate:	19/09/2012	SVN \$Revision:: 12319	\$	Drawn	By: Martin	Wisen	nan

CAN BUS



Ĵ	PRODUCT NAME M250 Simplifie	ed I/O Schematics			©Pi Inno	ovo 20	012
nno	SHEET TITLE CAN BUS (pin	s 28 + 43 and 29 + 44)					
	Assy Part Number:	29T-068332IO-xE			Revision	Mod	State
14	PCB Part Number:				3		0
lenar	ename: SHT10 - CAN.SchDoc				Sheet 10	of	10
ate:	19/09/2012	SVN \$Revision:: 12321	\$	Drawn	By: Martin V	<i>W</i> isema	an