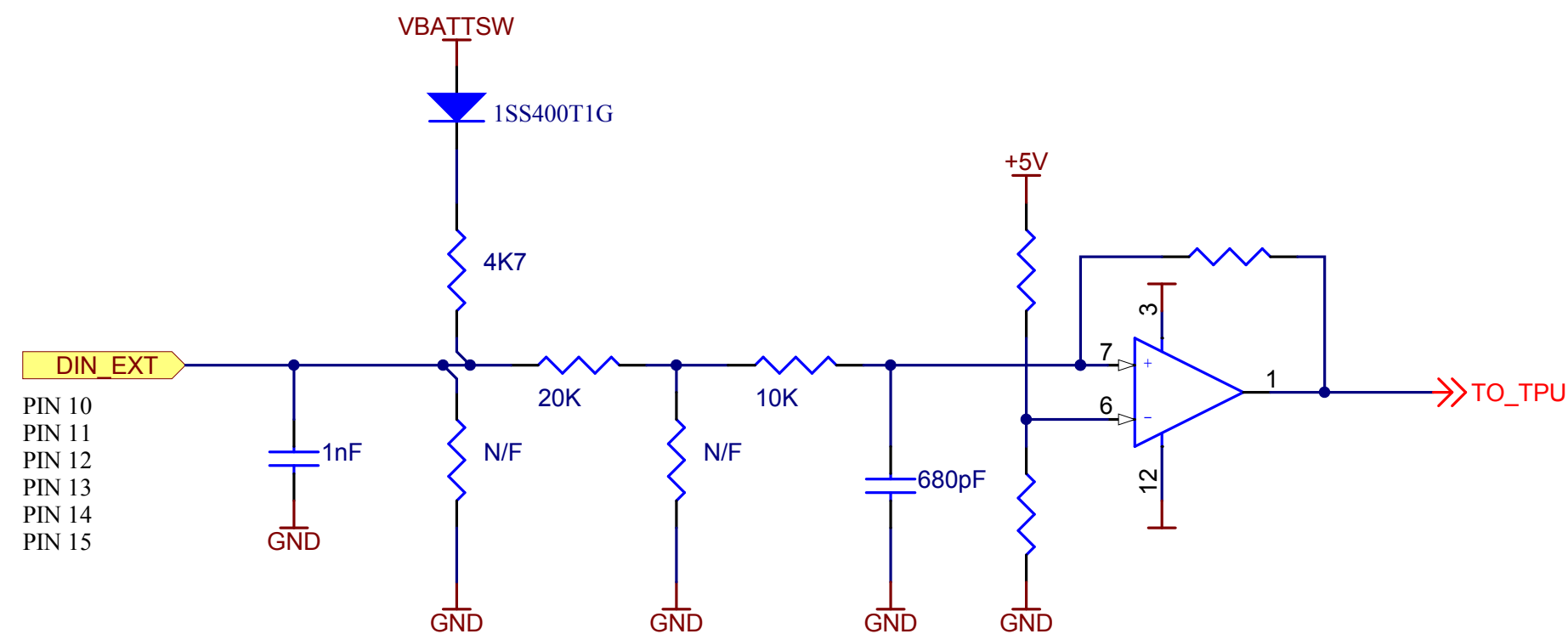
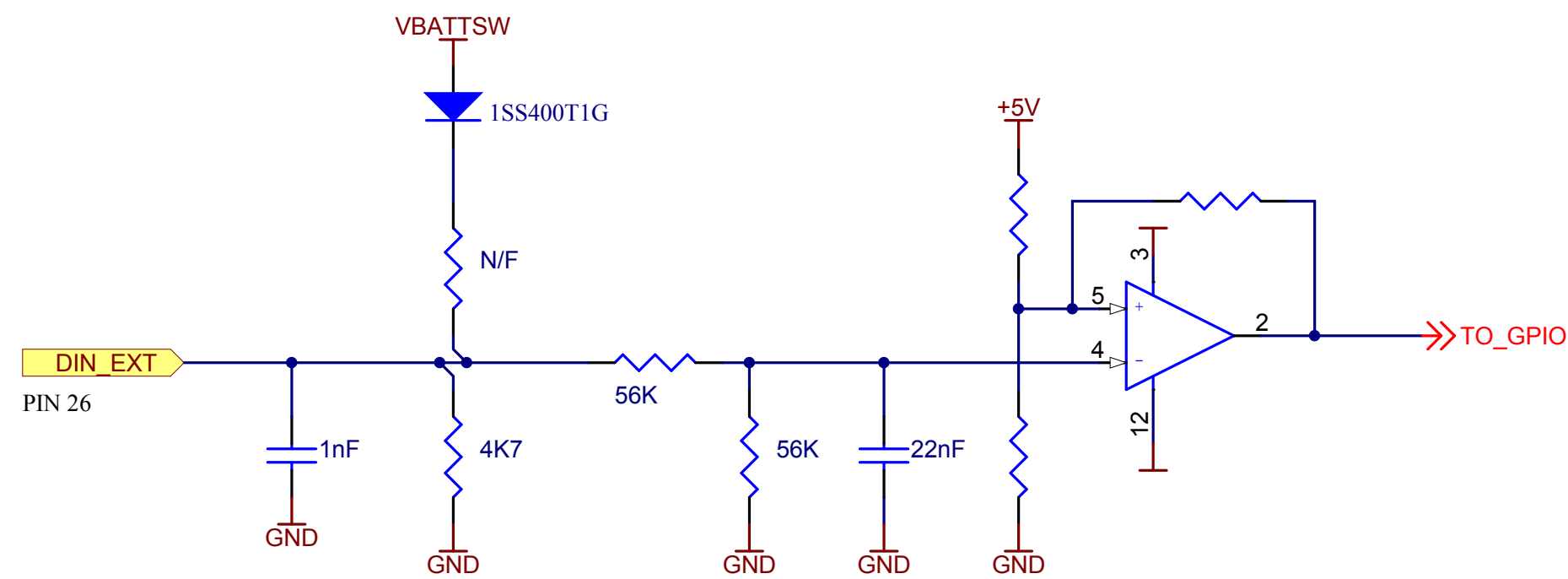


STANDARD DIGITAL INPUT



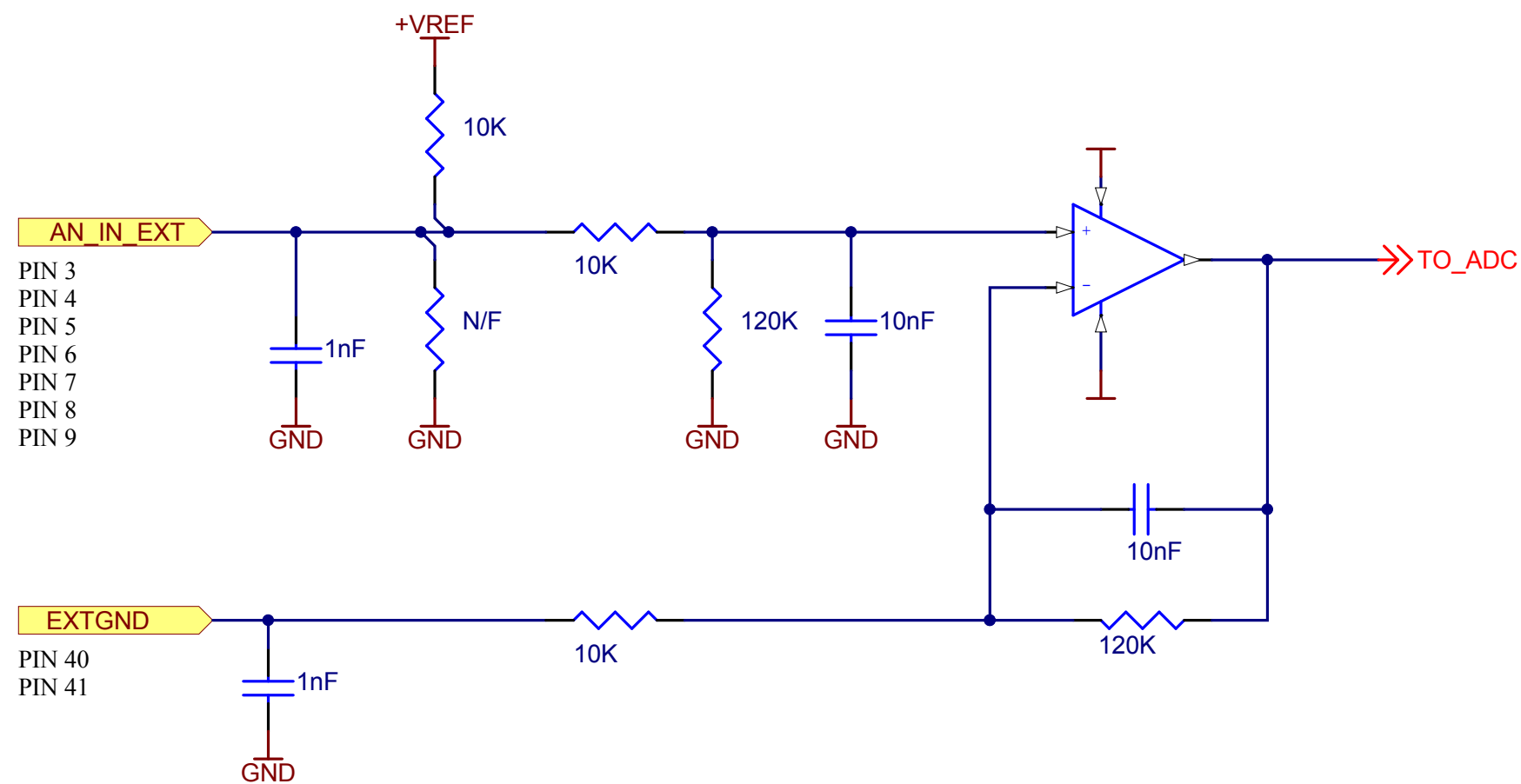
PRODUCT NAME		M250 Simplified I/O Schematics		©Pi Innovo 2012	
SHEET TITLE					
DIGITAL INPUT CIRCUIT (pins 10, 11, 12, 13, 14 and 15)					
Assy Part Number: 29T-068332IO-xE				Revision	Mod State
CB Part Number:				3	0
SHT01 - DIGITAL INPUTS.SchDoc				Sheet 1	of 10
09/09/2012		SVN \$Revision:: 12319 \$		Drawn By: Martin Wiseman	

IGNITION DIGITAL INPUT

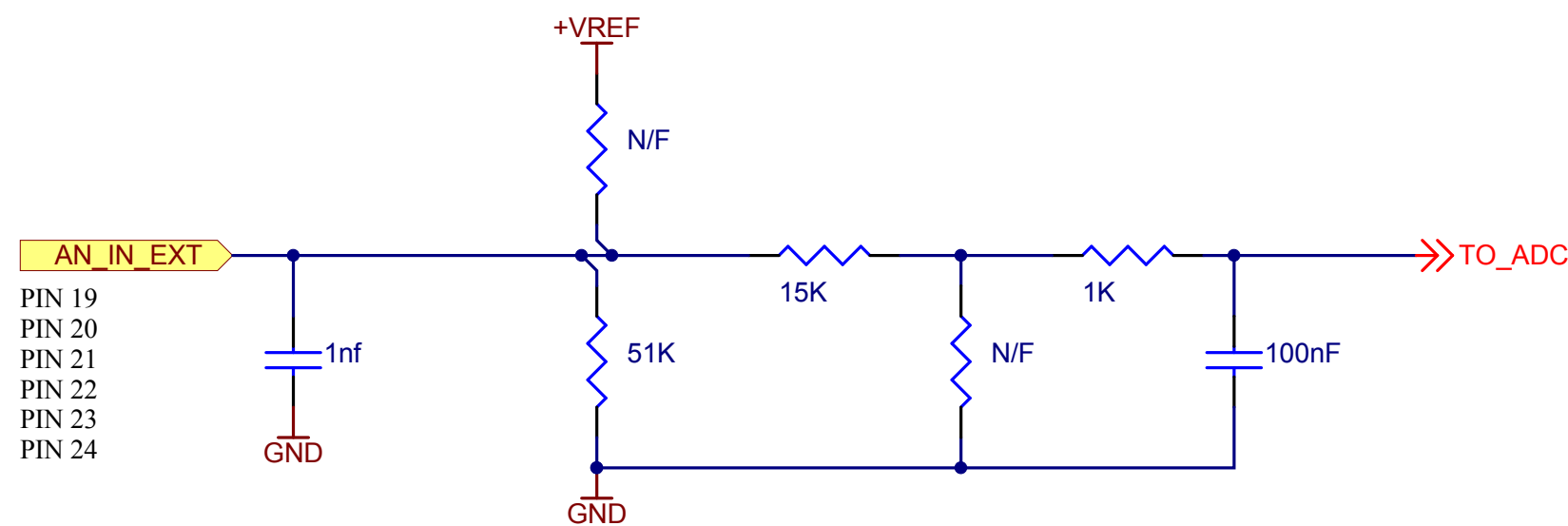


PRODUCT NAME		M250 Simplified I/O Schematics		©Pi Innovo 2012	
SHEET TITLE					
IGNITION DIGITAL INPUT CIRCUIT (pin 26)					
Assy Part Number: 29T-068332IO-xE				Revision	Mod State
CB Part Number:				3	0
SHT02 - DIGITAL INPUTS 2.SchDoc				Sheet 2	of 10
09/09/2012		SVN \$Revision:: 12319 \$		Drawn By: Martin Wiseman	

RTD ANALOGUE INPUT  
(ANALOGUE INPUT WITH GAIN)

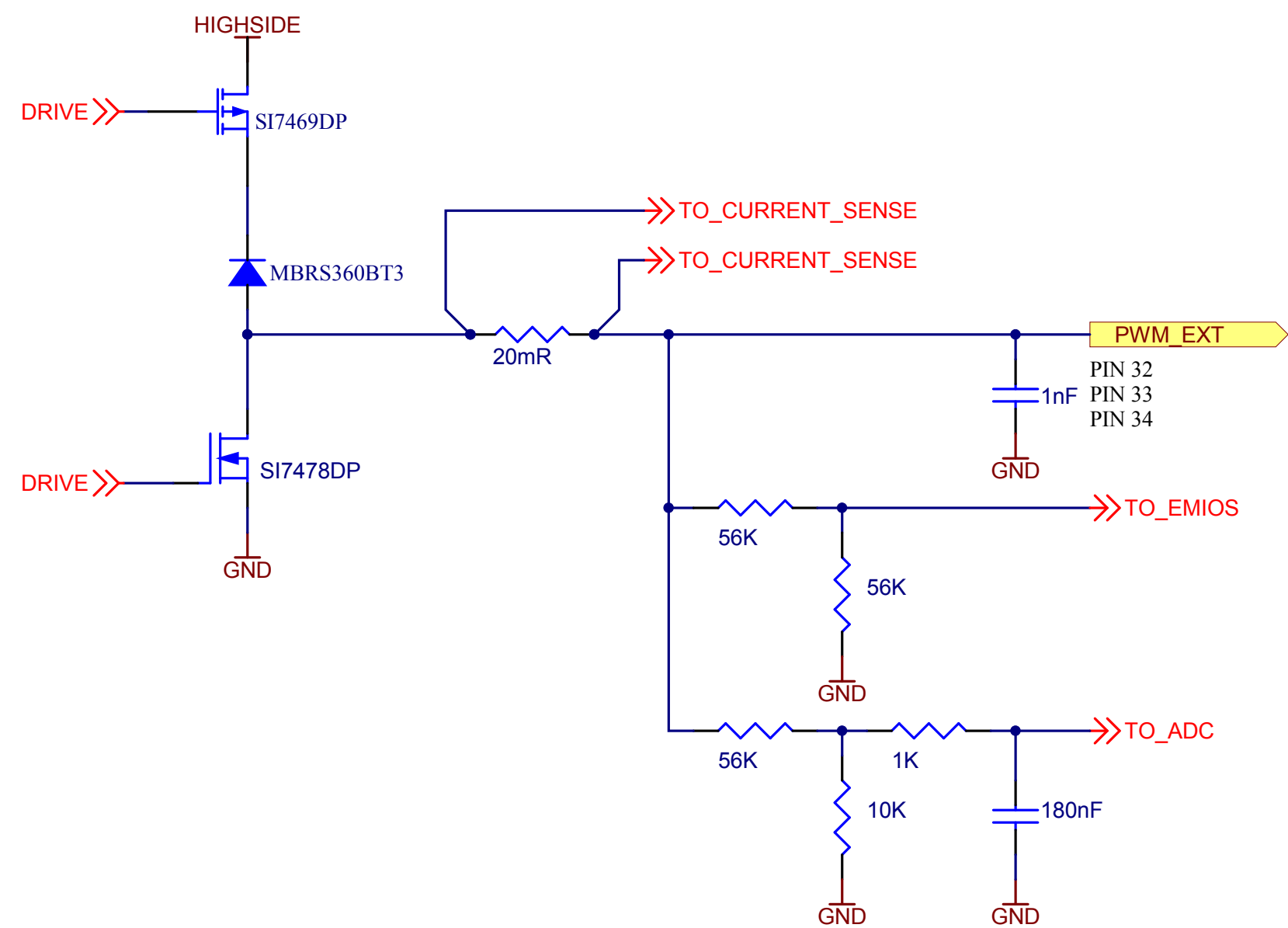



STANDARD 0-5V ANALOGUE INPUT



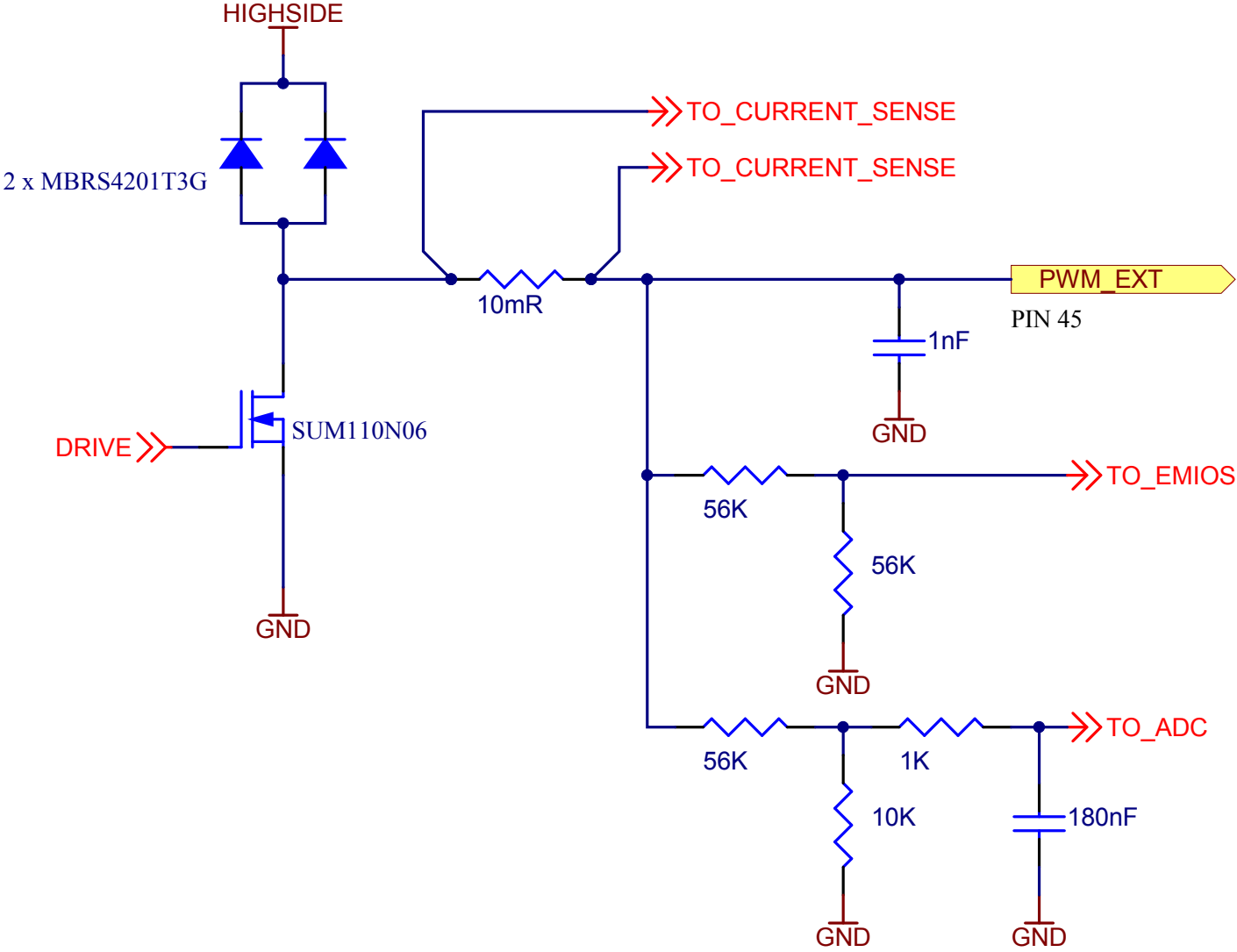
PRODUCT NAME			
M250 Simplified I/O Schematics		©Pi Innovo 2012	
SHEET TITLE			
ANALOGUE INPUT CIRCUITS (pins 3, 4, 5, 6, 7, 8, 9, 19, 20, 21, 22, 23 and 24)			
Assy Part Number: 29T-068332IO-xE		Revision	Mod State
CB Part Number:		3	0
SHT03 - ANALOGUE INPUTS 1.SchDoc		Sheet 3 of 10	
9/09/2012	SVN \$Revision:: 12319 \$	Drawn By: Martin Wiseman	

5A INJECTOR OUTPUT

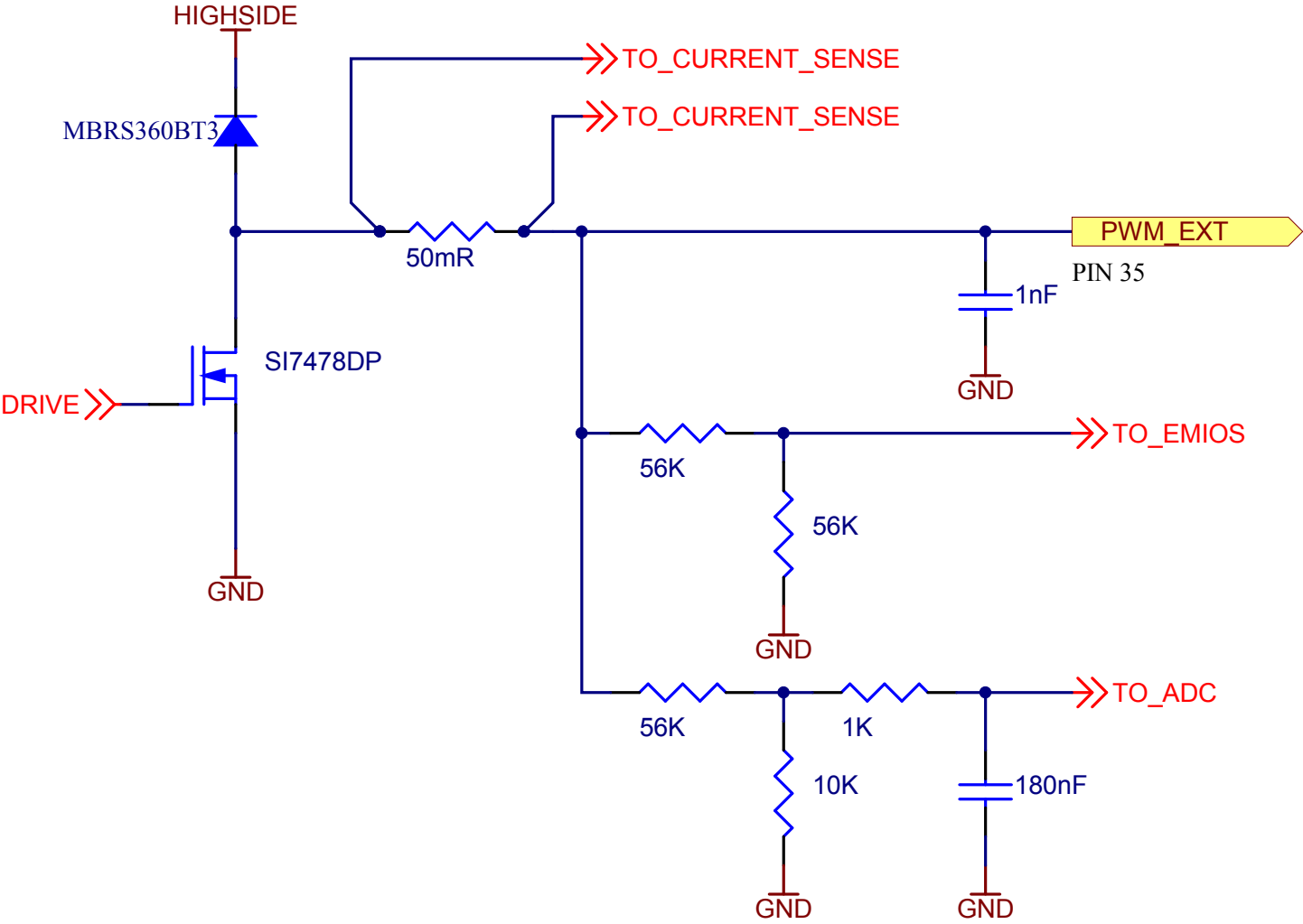


 Pi Innovo	PRODUCT NAME			M250 Simplified I/O Schematics			©Pi Innovo 2012		
	SHEET TITLE								
	5A INJECTOR OUTPUT CIRCUIT (pins 32, 33 and 34)								
A4	Assy Part Number: 29T-068332IO-xE PCB Part Number:					Revision 3		Mod State 0	
Filename: SHT04 - INJECTOR OUTPUTS.SchDoc						Sheet 4 of 10			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

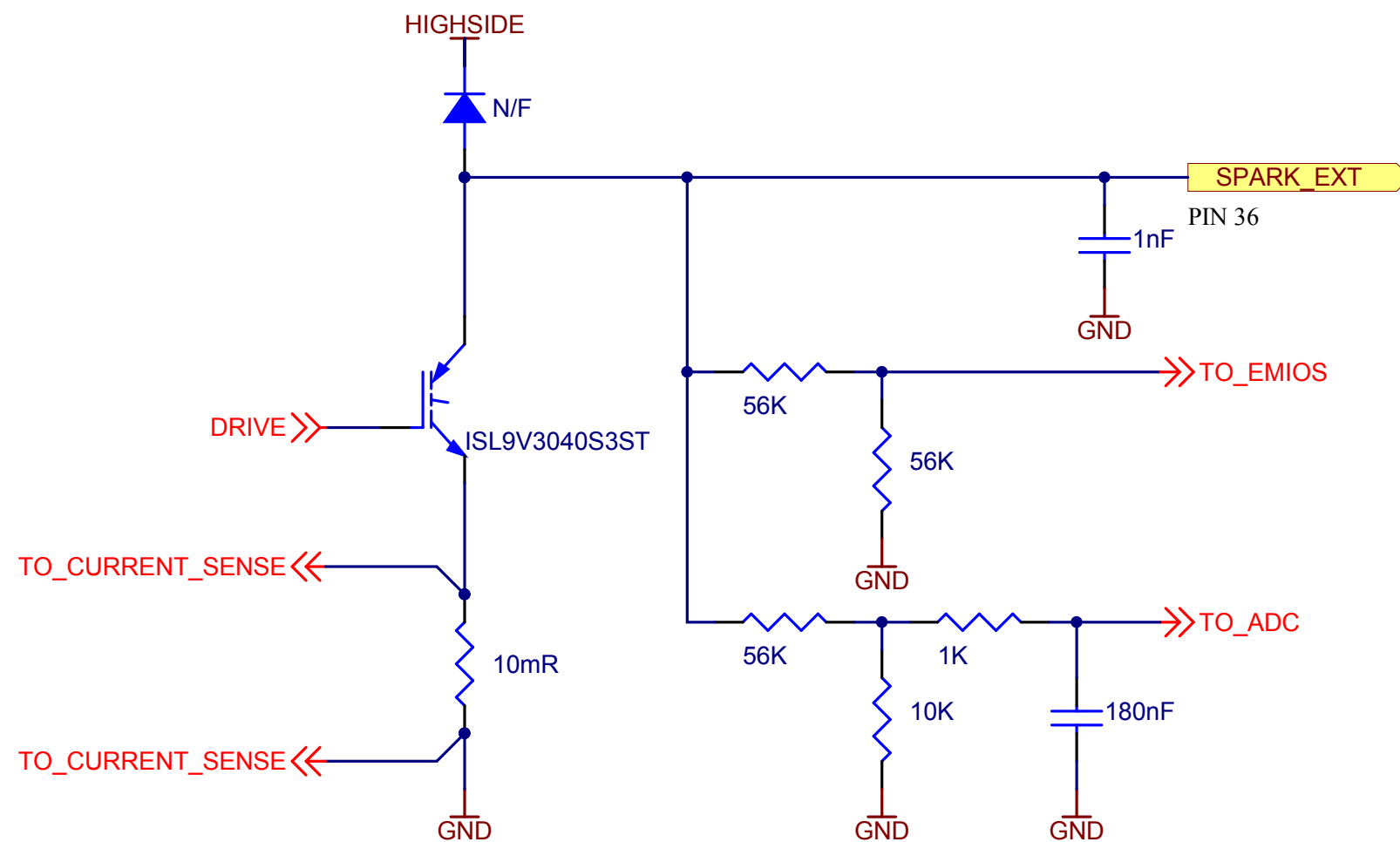
10A PWM OUTPUT




2A PWM OUTPUT

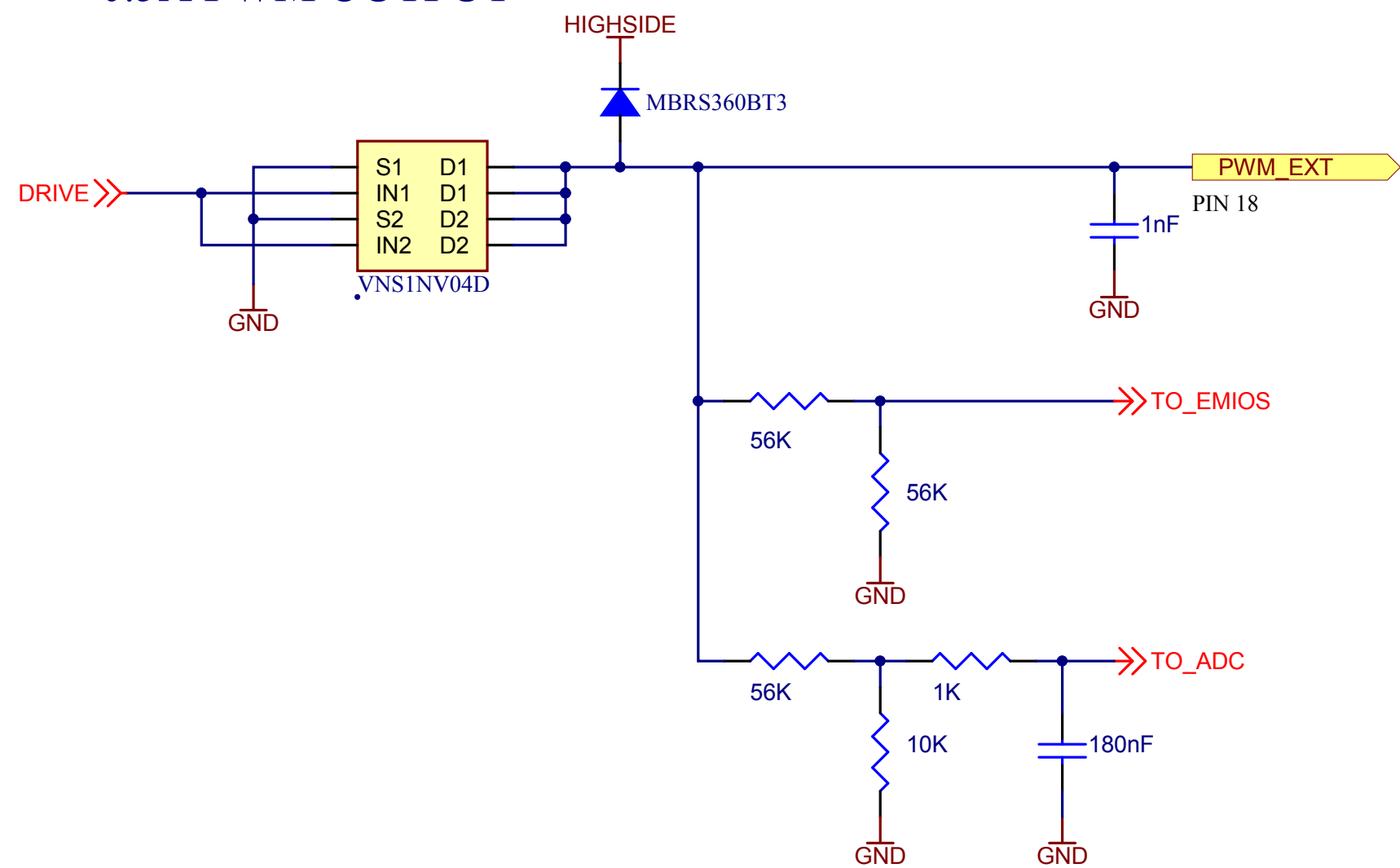


## 8A SPARK COIL PWM OUTPUT



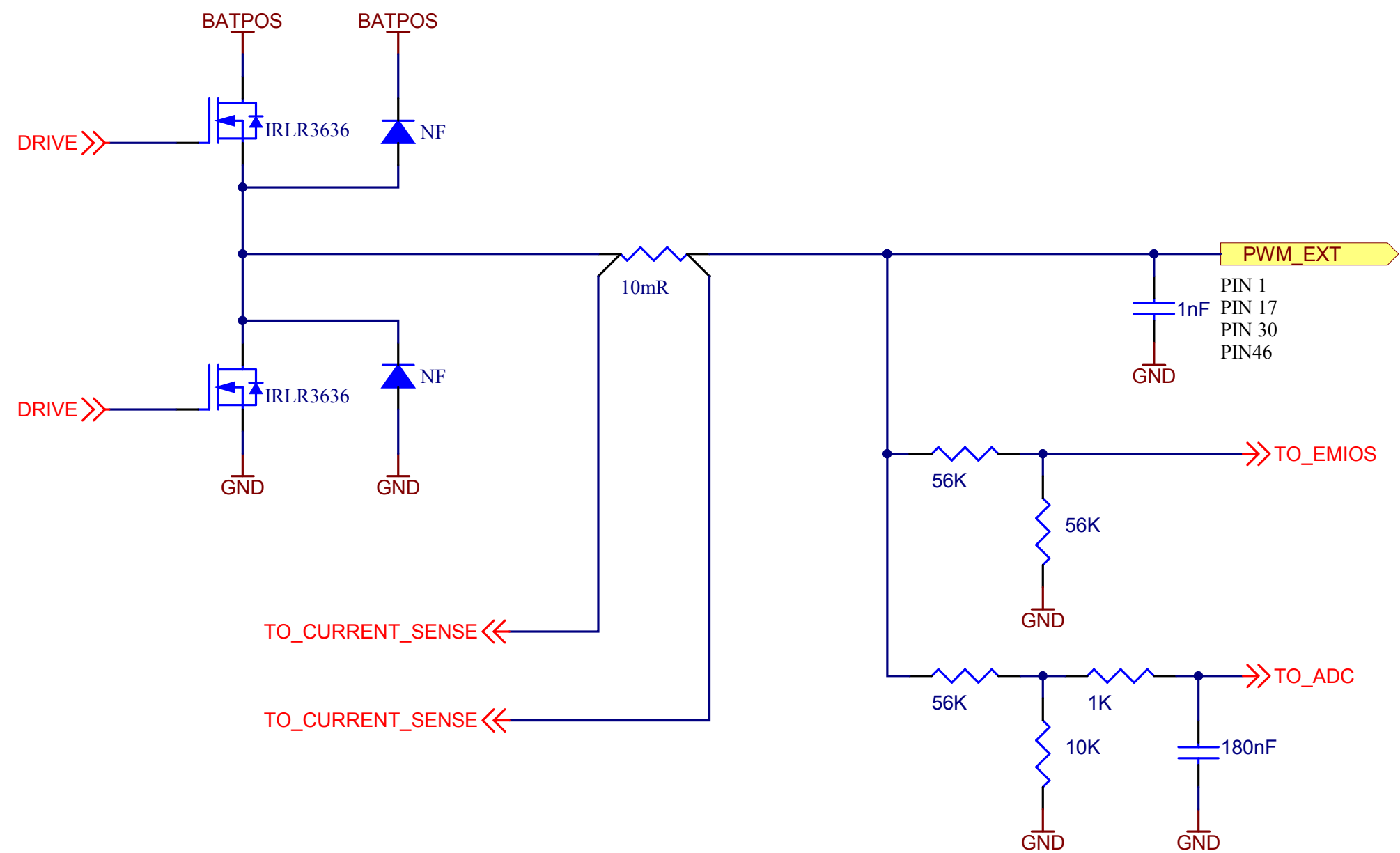
	PRODUCT NAME		M250 Simplified I/O Schematics		©Pi Innovo 2012
	SHEET TITLE				
8A SPARK COIL PWM OUTPUT CIRCUIT (pin 36)					
A4	Assy Part Number: 29T-068332IO-xE PCB Part Number:			Revision 3	Mod State 0
Filename: SHT06 - SPARK OUTPUTS.SchDoc				Sheet 6 of 10	
Date: 19/09/2012		SVN \$Revision:: 12319 \$		Drawn By: Martin Wiseman	

0.5A PWM OUTPUT



PRODUCT NAME		M250 Simplified I/O Schematics		©Pi Innovo 2012	
SHEET TITLE					
0.5A PWM OUTPUT CIRCUIT (pin 18)					
Assy Part Number: 29T-068332IO-xE				Revision	Mod State
CB Part Number:				3	0
SHT07 - PWM OUTPUTS 2.SchDoc				Sheet 7	of 10
09/09/2012	SVN \$Revision:: 12319 \$		Drawn By: Martin Wiseman		

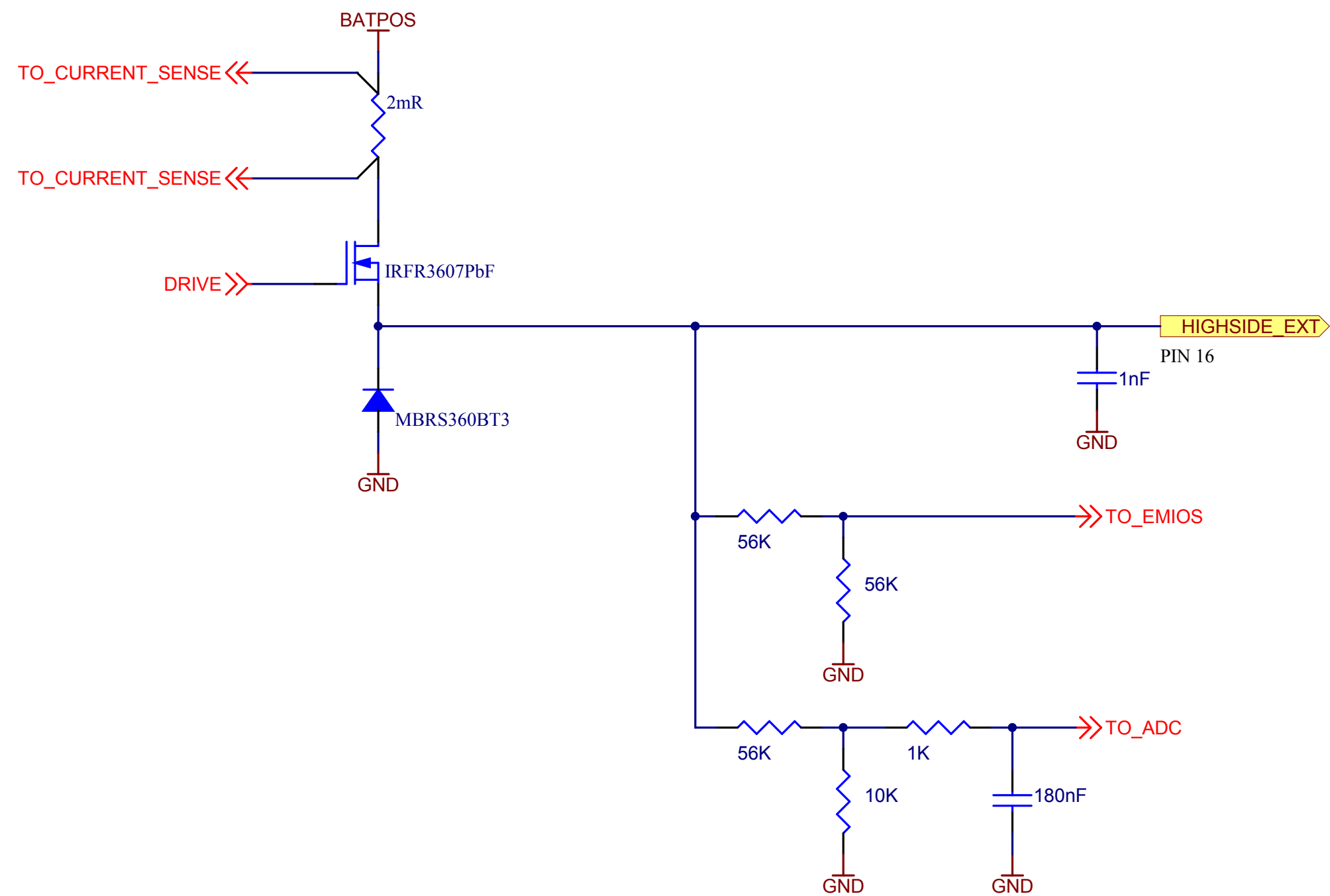
HALF H-BRIDGE PWM OUTPUT



PRODUCT NAME		M250 Simplified I/O Schematics		©Pi Innovo 2012	
SHEET TITLE					
HALF BRIDGE PWM OUTPUT CIRCUIT (pins 1, 17, 30 and 46)					
Assy Part Number: 29T-068332IO-xE				Revision	Mod State
CB Part Number:				3	0
SHT08 - H-BRIDGE OUTPUTS.SchDoc				Sheet 8	of 10
09/09/2012		SVN \$Revision:: 12319 \$		Drawn By: Martin Wiseman	

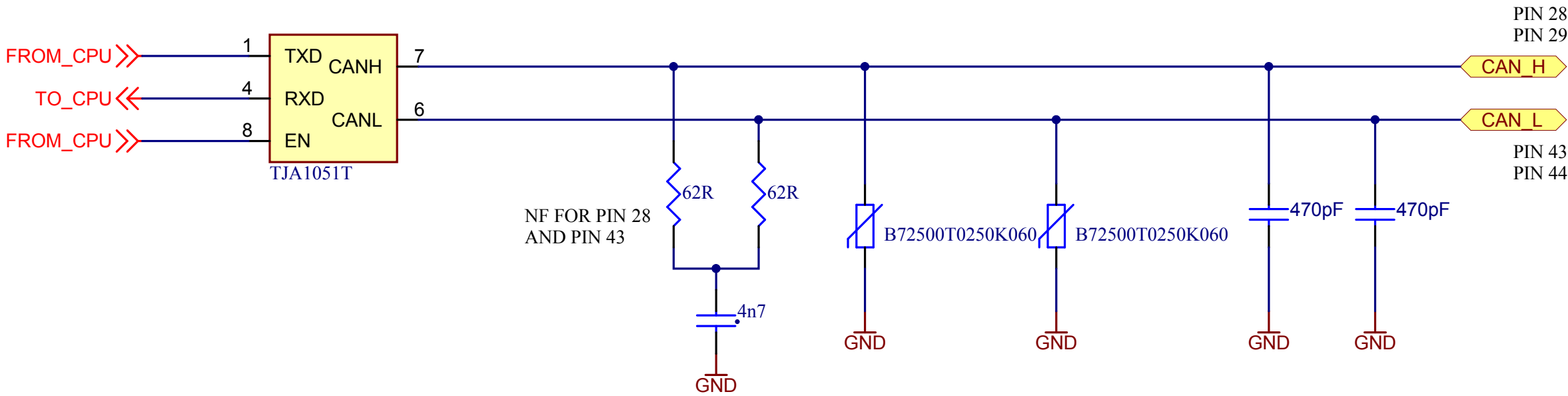


HIGHSIDE OUTPUT



PRODUCT NAME		M250 Simplified I/O Schematics		©Pi Innovo 2012	
SHEET TITLE					
Highside Output Circuit (pin 16)					
Assy Part Number: 29T-068332IO-xE				Revision	Mod State
CB Part Number:				3	0
SHT09 - PWM OUTPUTS 3.SchDoc				Sheet 9	of 10
09/09/2012	SVN \$Revision:: 12319 \$		Drawn By: Martin Wiseman		

CAN BUS



PRODUCT NAME		M250 Simplified I/O Schematics		©Pi Innovo 2012	
SHEET TITLE					
CAN BUS (pins 28 + 43 and 29 + 44)					
Assy Part Number: 29T-068332IO-xE				Revision	Mod State
CB Part Number:				3	0
SHT10 - CAN.SchDoc				Sheet 10 of 10	
09/09/2012	SVN \$Revision:: 12321 \$		Drawn By: Martin Wiseman		