

Configuration Summary

Input Pins

Input	Pin	Channel	Polarity	High Level	Low Level	High Time	Low Time
1	A_27	Starter Switch	Active Low	4.2V	3.6V	0.10s	0.10s
2	A_19	Blank Channel for True	Active High	4.2V	3.6V	0.10s	0.10s
3	A_29						
4	A_21						
5	A_30						
6	A_31						
7	A_23						
8	A_32						
9	A_33						
10	A_34						
11	B_20						
12	B_21						
13	B_15	PowerUp.Input	Active Low	4.2V	3.6V	0.10s	0.10s
14	B_23						
15	B_17						
16	B_24						

CAN Inputs

Channel	Data Size	CAN Address	Offset	Byte Order	Bit Mask	Divisor	Timeout Value
Engine Temp (degC)	16bit (signed)	118 hex	Byte 4	Normal		10	0
CDL3 Request Prime Fuel System	8bit	11C hex	Byte 0		10 hex		0
CDL3 Request Upshift	8bit	11C hex	Byte 0		08 hex		0
CDL3 Request Downshift	8bit	11C hex	Byte 0		04 hex		0
Dummy Channel to make CAN timeout get handled	8bit	11D hex	Byte 0		FF hex		
Front Brake Pressure (psi divided by 100)	16bit (signed)	118 hex	Byte 0	Normal		100	0
Rear Brake Pressure (psi divided by 100)	16bit (signed)	118 hex	Byte 2	Normal		100	0
CDL Brake Pressure (psi divided by 10)	16bit (signed)	119 hex	Byte 0	Normal		1	

Functions

Channel	Function
Delayed Request Downshift	CDL3 Request Downshift = true, true for 0.04s
Emergency Fuel Cutoff	counter(range:0,1, increment:PDM.CAN Timeout.Message 5,edge=falling,wrap=false)

Fuel System Primed	Fuel and Ignition.Status.Active = true, true for 1.00s, false for 240.00s
PowerUpDevices	PowerUpDevices > 4

Output Pins

Output	Pin	Rating	Channel	Max	Retry Delay	Retry Count	Master Shutdown	Stay Alive	Control
1	A_1/A_10	20A	Right Fan	8A	1.00s	0			Engine Temp (degC) > 60
2	A_3/A_12	20A	Starter A	15A	1.00s	Always Retry			Starter Switch = true
3	A_5/A_14	20A	Starter B	15A	1.00s	0			Starter Switch = true
4	A_7/A_16	20A							
5	A_9/A_17	20A	Fuel and Ignition	15A	1.00s	Always Retry			(Emergency Fuel Cutoff = false) or (Emergency Fuel Cutoff = false)
6	B_3/B_9	20A							
7	B_5/B_11	20A							
8	B_7/B_13	20A	Pingel Electric Shifter	20A	1.00s	0			Emergency Fuel Cutoff = false
9	A_2	8A	Water Pump	5A	1.00s	0			Emergency Fuel Cutoff = false
10	A_4	8A	Downshift	2A	1.00s	0			pulse(Delayed Request Downshift, edge=rising, width=0.14s)
11	A_6	8A	Clutch	2A	1.00s	0			pulse(CDL3 Request Downshift, edge=rising, width=0.16s)
12	A_8	8A	Fuel Pump	3A	1.00s	Always Retry			Blank Channel for True = true
13	A_11	8A	Mx00 Power	2A	1.00s	0			(Emergency Fuel Cutoff = false) and (Emergency Fuel Cutoff = false)
14	A_13	8A	CDL Power	2A	1.00s	0			Emergency Fuel Cutoff = false
15	A_15	8A	Starter Button And Relay	5A	1.00s	0			Emergency Fuel Cutoff = false

CAN Outputs

Name	Settings	Detail
Standard Messages	Base Address = 500 hex, Transmit rate = 20Hz	Input State and Diagnostics, Input Voltage, Output State, Output Voltage, Output Current, Output Load
Message 0	Disabled	
Message 1	Disabled	
Message 2	Disabled	
Message 3	Disabled	

Global Setup

Name	Settings
PDM	Type = PDM15, Serial Number = 17893

CAN Inputs	Message 0 = 118 hex, Message 1 = 119 hex, Message 2 = 11A hex, Message 3 = 11B hex, Message 4 = 11C hex, Message 5 = 11D hex, Message 6 = 11E hex
CAN Outputs	Transmit = Always
Output Pins	Master Retry Disabled, Master Shutdown Disabled
Keypad 1	Disabled
Keypad 2	Disabled
Keypad 3	Disabled
Keypad 4	Disabled