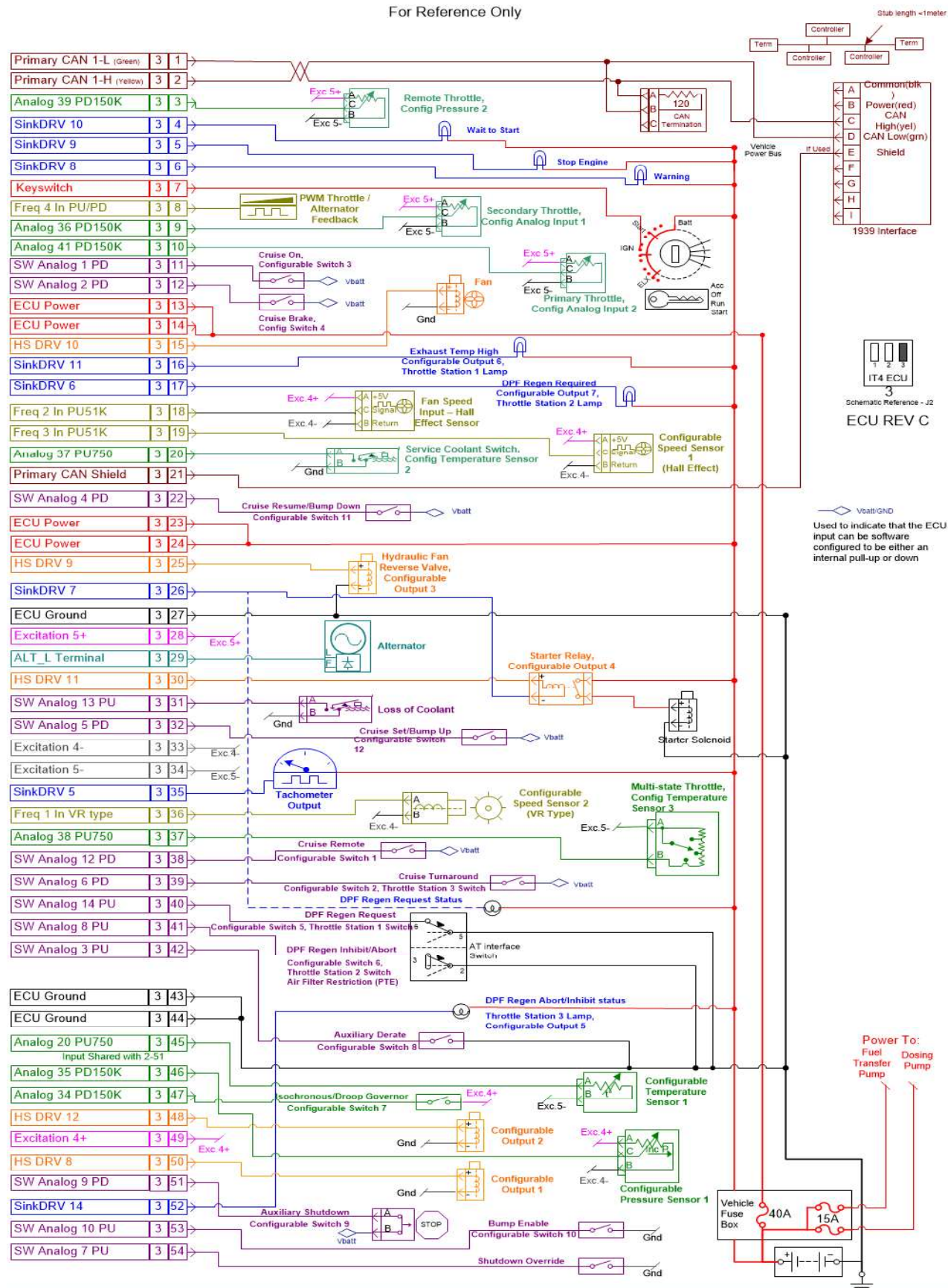


**ECU 3 – OEM Application Interface**

For Reference Only



## 66. Application Pin Sharing Reference

ECU Pin	Default Feature	Shared Feature(s)	Input Type	Input Information
03_01	CAN 1 - Low	N/A	Communication	
03_02	CAN 1 - High	N/A	Communication	
03_03	Remote Analog Throttle	Configurable Pressure Sensor 2	Analog Input	Pull Down (150k)
03_04	Wait to Start	N/A	Mappable Output	Sink Driver
03_05	Stop engine Lamp	N/A	Mappable Output	Sink Driver
03_06	Warning Lamp	N/A	Mappable Output	Sink Driver
03_07	Keyswitch	N/A	Analog Input	
03_08	PWM Throttle	N/A	Frequency Input	PWM
03_09	Secondary Analog Throttle	Configurable Analog Input 1	Analog Input	Pull Down
03_10	Primary Analog Throttle	Configurable Analog Input 2	Analog Input	Pull Down
03_11	Cruise On	Configurable Switch 3	Binary Input	Pull Down
03_12	Cruise Brake	Configurable Switch 4	Binary Input	Pull Down
03_13	ECU Power (F3)	N/A	Battery Voltage	
03_14	ECU Power (F3)	N/A	Battery Voltage	
03_15	Fan Drive Clutch	N/A	Mappable Output	Source Driver
03_16	Exhaust Temp High Lamp	Configurable Switch 6 Throttle Station 1 Transfer Switch	Binary Input	Sink Driver
03_17	DPF Regen Required Lamp	Configurable Switch 7 Throttle Station 2 Transfer	Mappable Output	Sink Driver
03_18	Fans Speed Input	N/A	Hall Effect	Pull Up
03_19	Configurable Speed Sensor 1	N/A	Hall Effect	Pull Up
03_20	Loss Of Coolant	Configurable Temperature Sensor 2	Analog Input	Pull Up
03_21	CAN Shield Termination	N/A	Communication	
03_22	Cruise Resume / Bump Down Switch	Configurable Switch 11	Binary Input	Pull Down
03_23	Unswitched Power	N/A	Battery Voltage	
03_24	Unswitched Power	N/A	Battery Voltage	
03_25	Hydraulic Fan Reverse Valve	Configurable Output 3	Mappable Output	Source Driver
03_26	Starter Relay (-)	N/A	Mappable Output	Sink Driver
03_27	Ground	N/A	System Ground	
03_28	Excitation #5+	N/A	Sensor Supply	(+) 5V Supply
03_29	Alternator L-Terminal	N/A	Mappable Output	Sink Driver
03_30	Starter Relay (+)	Configurable Output 4	Mappable Output	Source Driver
03_31	Loss of Coolant	N/A	Binary Input	Pull Up
03_32	Cruise Set Accel	Bump Up Switch / Configurable Switch 12	Binary Input	Pull Down
03_33	Excitation #4-	N/A	Sensor Return	
03_34	Sensor Return 5-	N/A	Sensor Return	
03_35	Tach Output	N/A	Mappable Output	Sink Driver

ECU Pin	Default Feature	Shared Feature(s)	Input Type	Input Information
03_36	Configurable Speed Sensor 2 (VR)	N/A	Binary Input	Pull Down
03_37	Multi-State Throttle	Configurable Temperature Sensor 3	Analog Input	Pull Up (750k)
03_38	Remote Cruise	Configurable Switch 1	Binary Input	Pull Down
03_39	Cruise Turnaround	Configurable Switch 2 / Throttle Station 3 Transfer Switch	Analog Input	Pull Down
03_40	DPF Regen Request	Configurable Switch 5 / Throttle Station 1 Transfer Switch	Analog Input	Pull Up
03_41	DPF Regen Inhibit/Abort	Configurable Switch 6 / Throttle Station 2 Transfer Switch	Binary Input	Pull Up
03_42	Auxiliary Derate	Configurable Switch 8	Binary Input	Pull Up
03_43	Ground	N/A	System Ground	
03_44	Ground	N/A	System Ground	
03_45	Configurable Temperature Sensor 1	Shared with Coolant Temperature (ECU2-51)	Analog Input	Pull Up
03_46	Configurable Pressure Sensor 1	N/A	Analog Input	Pull Down
03_47	Isochronous/Droop Governor Switch	Configurable Switch 7	Analog Input	Pull Down
03_48	Configurable Output 2	N/A	Analog Input	Pull Down
03_49	Excitation #4+	N/A	Sensor Supply	(+) 5V Supply
03_50	Configurable Output 8	N/A	Mappable Output	Source Driver
03_51	Auxiliary Shutdown	Configurable Switch 9	Analog Input	Pull Down
03_52	DPF Rgn Abort/Inhbt Status Lamp	Configurable Output 5 / Throttle Station 3 Lamp	Mappable Output	Sink Driver
03_53	Bump Enable	Configurable Switch 10 / Genset Frequency Input*	Analog Input	Pull Up
03_54	Shutdown Override	N/A	Analog Input	Pull Up

Note: \*See Frequency Input Processing and Idle Bumps