

FIGURE 1. Raven Rate Controller LEDs



LED	Main App Controlled	Color	Blinks Per Second	Status Name	Description
Power	No	GREEN	Solid	ECU powered	Active when ECU has power
A	No	OFF	Solid	Microprocessor Off	Active when the microprocessor is not powered
	No	ANY	Solid	System Fault	Active when the microprocessor has stopped functioning
	No	YELLOW	1	Boot Hold Mode	Active when the boot loader enters boot hold mode
	No	RED	5	Programming Microprocessor	Active when the microprocessor is being programmed
	Yes	RED	1	ISOBUS Offline	Active if the ISOBUS is offline
	Yes	WHITE	1	UT Offline	Active if the UT is offline
	Yes	PURPLE	1	Loop back Test Mode	Loop back test mode enabled
	Yes	GREEN	1	Systems Normal	Active when linked with UT and system is normal

LED	Main App Controlled	Color	Blinks Per Second	Status Name	Description
B	No	RED	Solid	FPGA not running	PCB subsystem not running (FPGA)
	Yes	RED	1	ECU Power Loss	System has lost ECU power
	Yes	BLUE	1	Rate Sensor Signal Present	Signal is present on 1 or more rate sensors
	Yes	YELLOW	1	DTC Active	One or more DTCs are active
	Yes	WHITE	1	System Under Voltage	System voltage is below 11.5 volts
	Yes	PURPLE	1	System Over Voltage	System voltage is above 16 volts
	Yes	BLUE	Solid	Product Enabled	One or more product switches have been set to On
	Yes	PURPLE	Solid	RPM Signal Present	Signal is present on one or more RPM sensors
	Yes	GREEN	Solid	All Products Disabled	All product switches have been set to Off
	Yes	RED	Solid	Current loopback test sequence failure	One or more loop back subtests failed in this current test sequence
	Yes	YELLOW	Solid	Previous loop back test sequence failure	One or more loop back subtests failed in the previous test sequence
	Yes	GREEN	Solid	No loop back subtests have failed	No loop back subtests have failed
C	No	RED	Solid	FPGA not running	PCB subsystem not running (FPGA)
	Yes	BLUE	1	Bluetooth Command	Bluetooth command has been received
	Yes	BLUE	Solid	Bluetooth Comm Active	Bluetooth communication is active
	Yes	GREEN	1	Aux CAN Active	The Auxiliary CAN channel is active
	Yes	RED	1	Aux CAN Comm Lost	Active if the Auxiliary CAN channel was active and is now offline
	Yes	GREEN	Solid	LED C Functional - No Error	LED C is functional and there are no other LED C states to report
	Yes	PURPLE	Solid	Loop back test in progress	A loop back test is in progress
	Yes	GREEN	Solid	Loop back test not in progress	A loop back test is not in progress