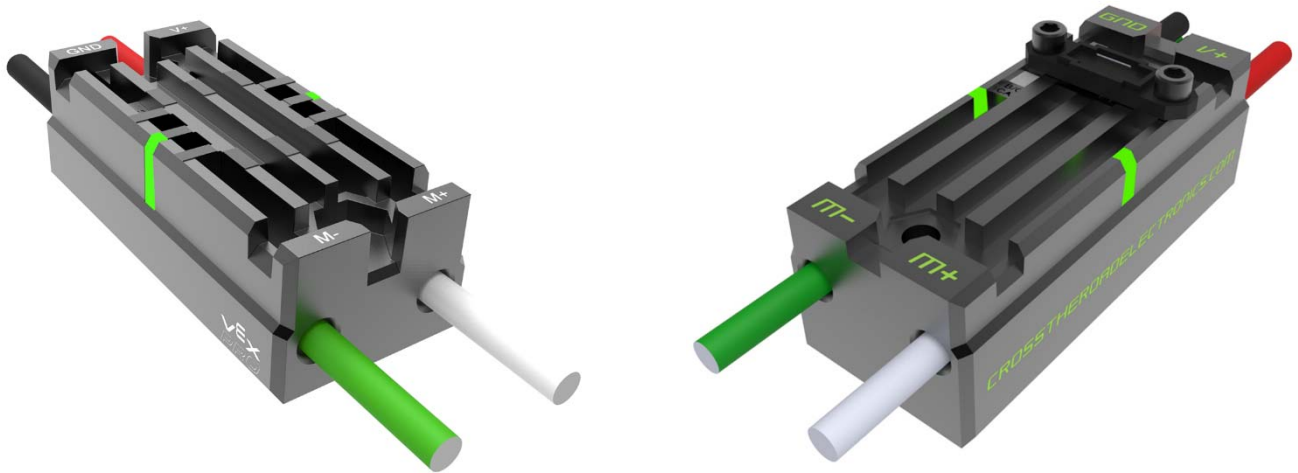


Victor SP & Talon SRX Info Sheet

Victor SP: 217-9090; Talon SRX: 217-8080



Presented by VEX Robotics and Cross the Road Electronics

The Victor SP and Talon SRX were co-developed through a collaborative partnership between VEX Robotics and Cross the Road Electronics. These latest iterations of the Victor and Talon platforms have been redesigned from the ground up, resulting in better technology than either company could have individually produced.

Features

- Aluminum case, passive cooling fins, and sophisticated internals make fans optional
- Completely sealed enclosure prevents debris from getting anywhere it shouldn't be
- Electrically insulated internals allow for direct frame mounting without shorting
- LED indicators blink proportionately to output speed for easy debugging
- Illuminated "Brake/Coast Calibration" button enables one-touch changes and calibration
- Robust embedded power & output cables will never shake loose during a match
- Built-in pockets for #8 nuts and zip tie grooves make rigid mounting simple
- Sign-magnitude synchronous rectification reduces heat generation at full motor stall
- 15 KHz output switching frequency ensures smooth and precise motor control

Talon SRX Smart Motor Controller Technology

- Supports CAN, SPI, I2C, Digital I/O, and RS232 (serial) protocols
- Onboard closed-loop PID control makes complex motor control easy and accessible



Motor Speed Controller Technical Comparison

	Jaguar	Victor 888	Talon SR	Victor SP	Talon SRX
Communication Protocols	PWM, CAN, RS232 (serial)	PWM	PWM	PWM	PWM, CAN, SPI, I2C, Digital IO, RS232 (serial)
Dimensions	2.85" x 4.25" x 2.00"	2.70" x 2.21" x 2.10"	2.73" x 1.90" x 1.15"	2.5" x 1.125" x 0.875"	2.75" x 1.185" x 0.96"
Weight	0.34 LB	0.22 LB	0.20 LB	0.20 LB	TBD
Nominal Voltage	12V	12V	12V	12V	12V
Min/Max Voltage	5.5 - 30V	6 - 15V	6 - 28V	6 - 16V	6 - 16V
Continuous Current	40A	60A	60A	60A	60A
Surge Current (2 sec)	60A	150A	100A	100A	100A
PWM Input Pulse (high time)	1 - 2 ms nominal, 0.67 - 2.33 ms max	1 - 2 ms nominal, 0.87 - 2.14 ms max	1 - 2 ms nominal	1 - 2 ms nominal, 0.6-2.4 ms max	1 - 2 ms nominal
PWM Input Rate (period)	5.0125 - 29.985 ms	2.1 - 500 ms	3 - 100 ms	2.9 - 100 ms	3 - 100 ms
PWM Output Chop Rate (Switching Frequency)	15.625 kHz	1 kHz	15 kHz	15 kHz	15 kHz
Minimum Throttle (Deadband)	5.5%	5.4%	4%	4%	4%



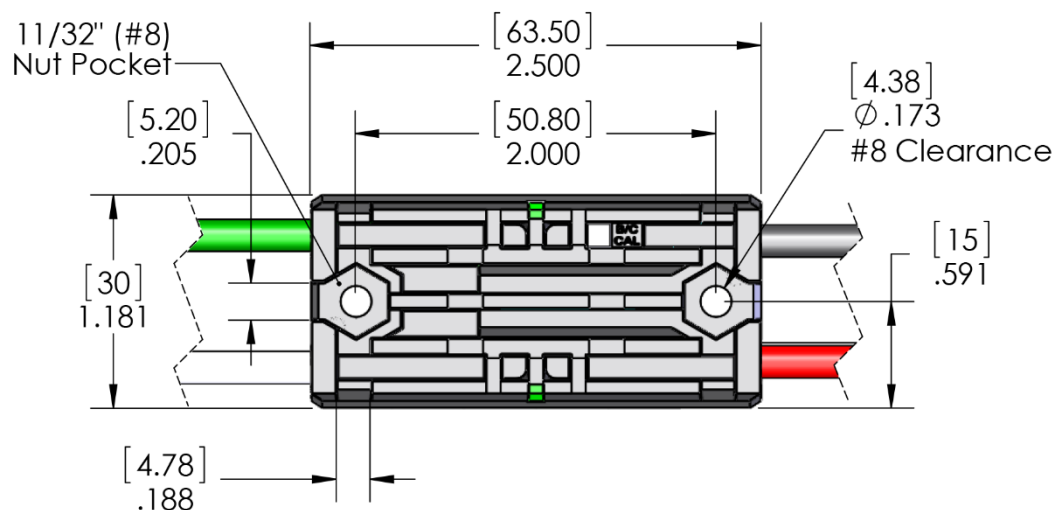
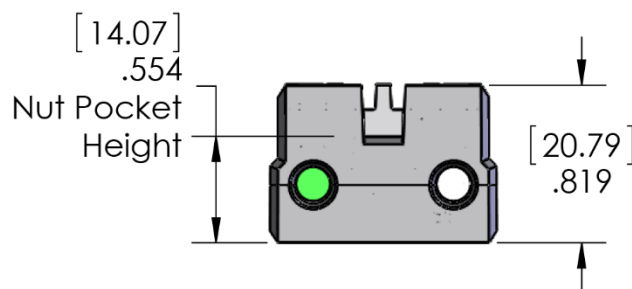
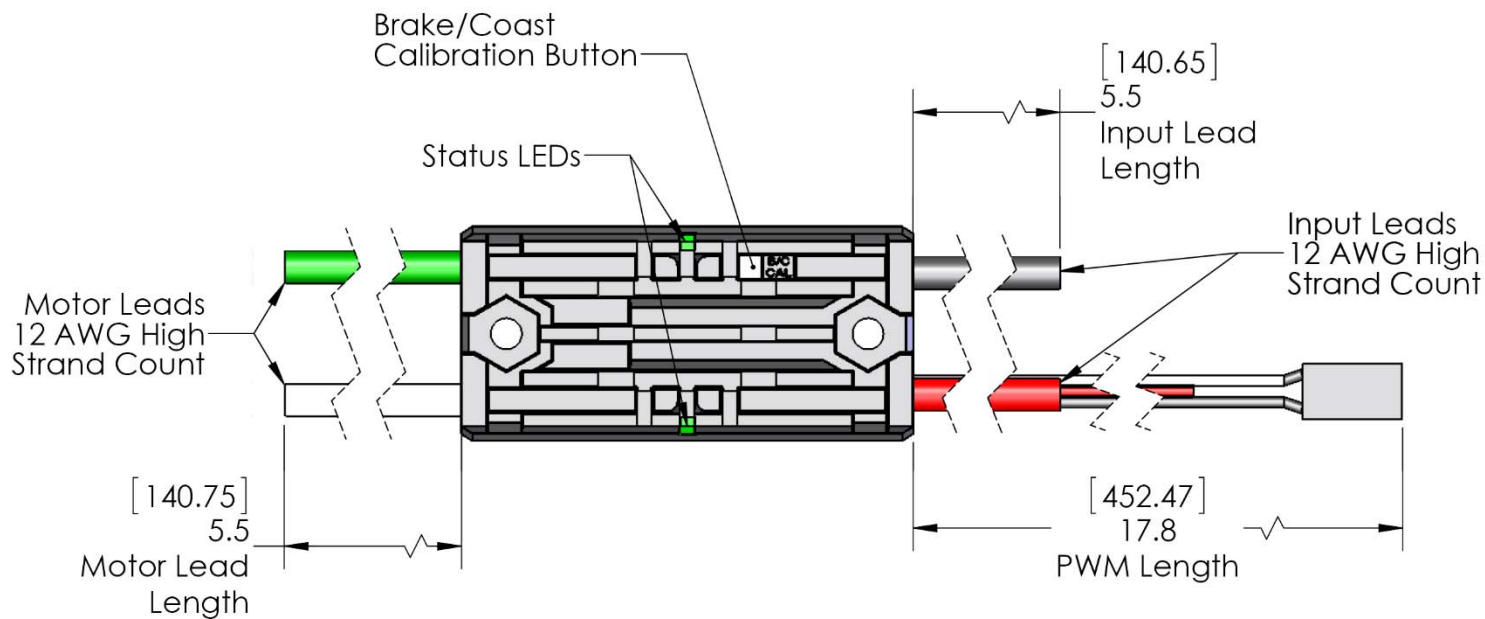
vexpro.com



crosstheroadelectronics.com

Victor SP Interface Dimensions

217-9090



Talon SRX Interface Dimensions

217-8080

