

CM2723 24V

Controller Module

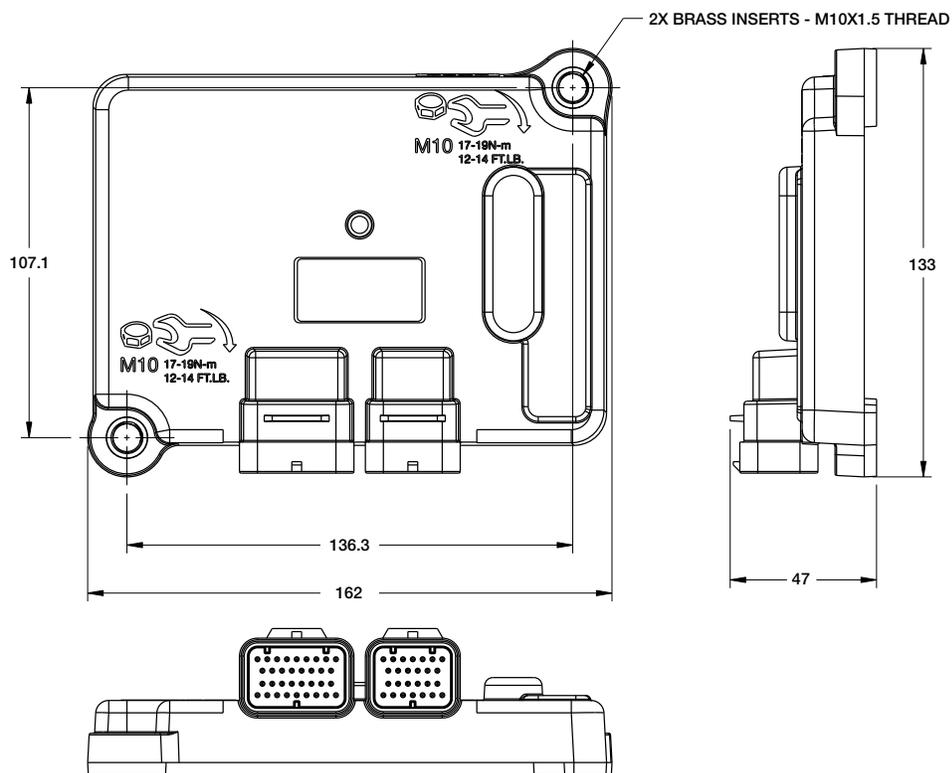


General	
Weight	0.46 kg
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Electrical	
System Voltage	24 V
Operating Voltage	12 V to 32 V
Micro Core Capabilities	
Micro Type	STM32F407 (Cortex M4 based)
Flash Size	1024 kB
RAM Size	192 kB
EEPROM Size	64 kB plus 4 kB of Product Information
Communication Channels	
CAN (SAE J1939)	2
Configurable Inputs *	Maximum of 28 inputs
Analog Inputs	Up to 16 (Input Load: 7-Analog, 5-Resistive, 4-Frequency)
Digital Inputs	Up to 12 (Input Load: 6-Active High, 3-Active Low, 3-Wake Up)
Outputs	
High Side Outputs – PWM capable	8
Max Continuous Load	2.5 A
Max PWM Frequency	250 Hz
High Side Outputs – Digital	8
Max Continuous Load	1 A
Low Side Outputs – Type 1	6
Max Continuous Load	2.5 A
+5V Sensor Supply	1 (at 75 mA max current)
Maximum Module Current	15 A
Mechanical	
Enclosure Material	Plastic
Connector Type	1 x 34 pins, 1 x 26 pins, 60 pins total AMP Super Seal
Mounting Method	2 x M10-1.5 bolts

Software	
Software Environment Platform Framework	Provides the application developer with the drivers required to access the hardware
Software Development Kit (SDK)	Provides the interface between the platform framework and the application software
Application software	Matlab Simulink (can be developed by the OEM or Parker)
Environment	
Humidity (soak)	ANSI/ASAE EP455 DEC 1990 (R2008) section 5.13.2
Humidity (cyclic)	ANSI/ASAE EP455 DEC 1990 (R2008) section 5.13.1
Dust/Water Ingress Protection	IP67 and IP69K
Salt Spray	MIL-STD-202G Method 101E condition A
Shock	ANSI/ASAE EP455 Dec 1990 (R2008) section 5.14.1
Random Vibration	BS EN7691:1994 section 6.6.1 severity level 3
ESD	ISO 10605:2008(E) section 8.3 and 9.3
EMC	
Susceptability	ISO 13766:2006 section 5.8.2
Emissions	ISO 14982:2009 section 6.4 & 6.5
Ordering	
Ordering Part Number	1093001ECD *

* - depending on PCB stuffing options, all features may not be available.

Dimensions



units=mm

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