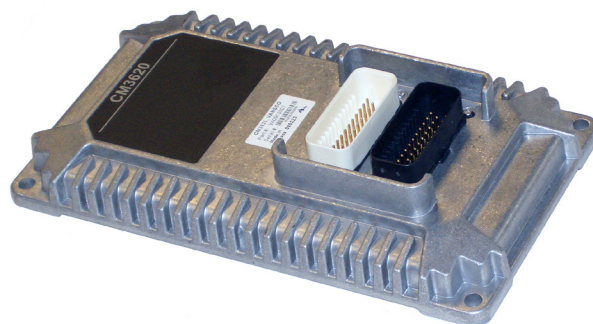


CM3620

Controller Module

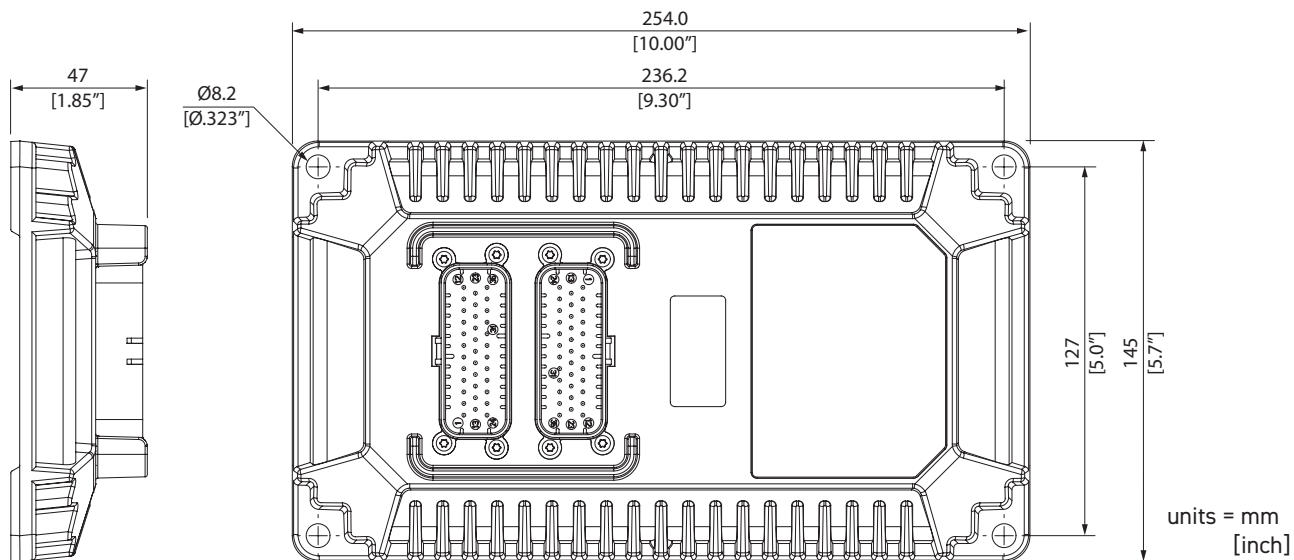


General	
Weight	1.2 kg
Operating temperature	-40°C to +85°C
Storage temperature	-55°C to +125°C
Electrical	
System voltage	12 V and 24 V
Operating voltage	7.5 V to 32 V
Micro core capabilities	
Micro type	ARM 7 TDMI @ 48 MHz
Flash size ¹	768 Kbyte
RAM size ¹	48 Kbyte
EEPROM size	16 Kbyte
Communication channels	
CAN channels (J1939 compliant)	2 (with "Wake on CAN" functionality)
RS232	1 (not typically used by customer, will use 2 x digital input pins)
Inputs	
Digital inputs	22 programmable pullup/down including 2 wakeup inputs
Analog inputs	6 x standard, 4 x amplified
Frequency inputs	2 x AC coupled, 2 x DC coupled
Maximum frequency	10 kHz
Outputs	
High side outputs	16
Maximum continuous load	2.5 A
Current sensing	Not capable of current sensing
Maximum PWM frequency	500 Hz
Low side outputs	4
Maximum continuous load	2.5 A
Current sensing	Capable of current sensing
Reference voltage (sensor supply)	1 x 5 V @ 300 mA
Maximum module current	40 A
Status LEDs	Not on general market unit
Mechanical	
Enclosure Material	Aluminum and steel
Connector	
Type	2 x 35 pins, 70 pins total Ampseal (1 black, 1 white)
Mounting Method	Four 1/4" or 6mm bolts

1) total product memory, not all is available to the application.

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 (R2003) section 5.13.2
Humidity (cyclic)	ANSI/ASAE EP455 DEC 1990 (R2003) section 5.13.1
Dust/Water Ingress Protection	IP66
Salt spray	J1455 (Aug 94) Section 4.3.3
Shock	J1455 (Aug 94) Section 4.10.3.4
Random vibration	J1455 (Aug 94) Section 4.9.4.2
ESD	J1455 (Aug 94) Section 4.11.12.2.5
EMC	
	Susceptability Emissions
	J1455 (Aug 94) Section 4.11.3.3.2 J1455 (Aug 94) Section 4.11.3.3.1
Ordering	
Ordering part number	0916021ECD

Dimensions



WARNING - California Proposition 65

This product can expose you to chemicals including NICKEL COMPOUNDS which is known to the State of California to cause cancer.
For more information go to www.P65Warnings.ca.gov