CM3626

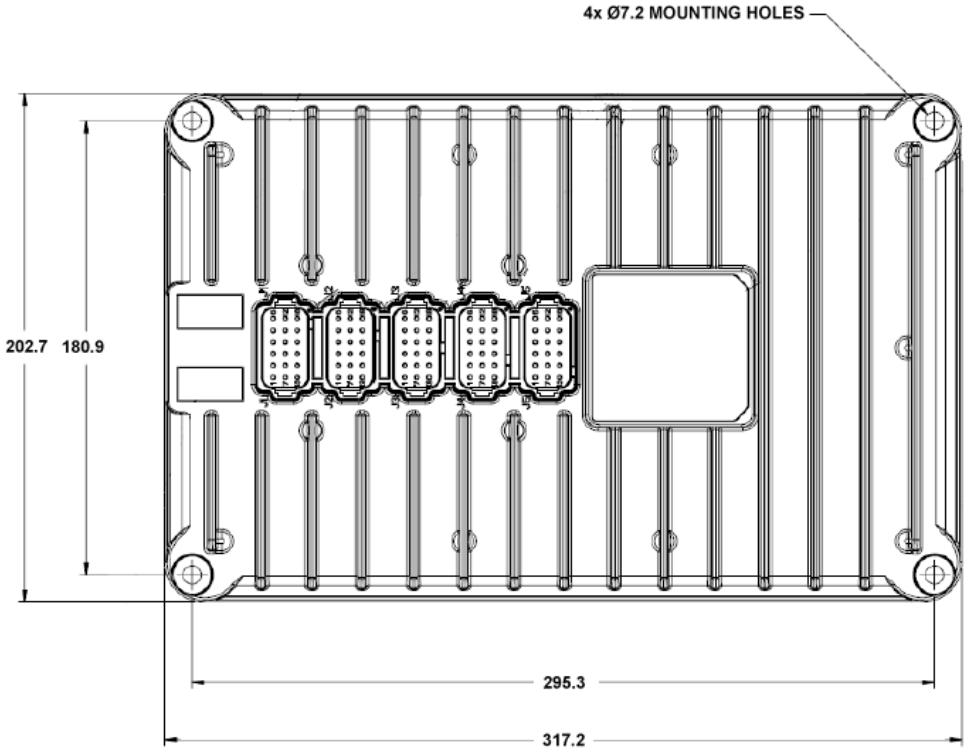
Controller Module, non-SIL

General	
Weight	2.4 kg
Operating temperature	–40°C to +85°C
Storage temperature	–40°C to +85°C
Electrical	
System voltage	12 V and 24 V
Operating voltage	9 V to 32 V
Micro core capabilities	
Micro type	Dual Freescale MPC5534 @ 80 MHz
Flash size [1]	1 Mbyte internal, optional 2 Mbyte external
RAM size [1]	64 Kbyte internal, optional 512 Kbyte external
FRAM size	128 Kbit
Communication channels	
CAN channels (J1939 compliant)	2 (1 with “Wake on CAN” functionality)
CAN channels (programming Micro2)	1
Inputs	
Analog inputs	
Type 1	8 programmable pullup/down including 2 wakeup inputs
Type 2	4 programmable pullup/down and attenuation
Type 3	20 programmable pulldown
Frequency inputs	4 programmable pullup w/programmable cutoff frequency and analog feedback
Outputs	
High side outputs	18
Maximum continuous load	2 × 5 A, 16 × 2 A
Current sensing	8 capable of current sensing
Maximum PWM frequency	250 Hz
Low side outputs	8
Maximum continuous load	2 × 10 A, 6 × 5 A
Current sensing	Capable of current sensing
Reference voltage (sensor supply)	1 x 5 V/8 V programmable
Maximum module current	80 A
Status LEDs	5
Mechanical	
Enclosure Material	Aluminum and steel
Connector	5 x 18 pins, 90 pins total
Type	Deutsch DT16
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 (R2008) section 5.13.2
Humidity (cyclic)	ANSI/ASAE EP455 DEC 1990 (R2008) section 5.13.1
Dust/Water Ingress Protection	IP69K and IP66
Salt spray	MIL-STD-202G Method 101E condition B
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 Emissions	 ISO 13766 2006 section 5.8.2 ANSI/ASAE EP455 DEC1990 (R2008) section 5.16.3.1
Ordering	
Ordering part number	0991001ECD

Dimensions



units=mm

Parker Hannifin Canada
Electronic Controls Division
1305 Clarence Avenue
Winnipeg, MB, R3T 1T4 Canada
phone 204 452 6776
fax 204 478 1749
www.parker.com/ecd

Your Local Authorized Parker Distributor