

EPAS35 Midi ECU

Data Sheet

The EPAS Midi ECU is designed to work with the DCE EPAS01 Column Assist unit as well as OEM steering Columns from GM such as the Opel Corsa/Holden Barina MKB & C

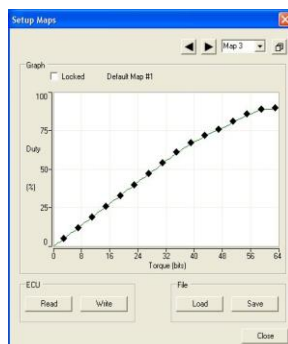


EPAS Midi ECU

This Midi ECU comes in a low cost folded aluminium enclosure and has been designed to handle transient currents of up to 80 amps. Connection is a Deutsch HDP connector.

- 5 User programmable steering maps.
- Internal heatsink temperature monitoring.
- Internal temperature and peak current tell tales.
- Nominal Voltage 12v DC
- Weight: 0.9Kg

The CAN Bus can be used to select the power steering MAP and also transmit Information on the systems performance such as motor duty, input torque and current draw etc.



Screen Shot of Steering Map Software

Interface Connector

ECU Connector: HDP24-24-31PE-L017		Mating Connector: HDP26-24-31SE-L017	
Pin No.	Description	Function	I/O
1	Battery +12v	Battery +12v Via 80 Amp fuse *	Input
2	Battery +12v	Battery +12v Via 80 Amp fuse *	Input
3	Ground	Battery Negative	Input
4	Ground	Battery Negative	Input
5	Motor +12v	Power To EPAS Motor	Output
6	Motor +12v	Power To EPAS Motor	Output
7	Motor 0v	Power To EPAS Motor	Output
8	Motor 0v	Power To EPAS Motor	Output
9	Switched +12v	Switched +12v input – 1 Amp Draw	Input
10	Ground – Electronics	Battery Negative	Input
11	Steering Angle	0-5v from Steering Sensor	Input
12	Sensor 0v	0v for MAP Switch and Steering Sensor	Output
13	Sensor +5v	+5v for MAP Switch and Steering Sensor	Output
14	Tx	RS232 Tx to Com Port	Output
15	Rx	RS232 Rx from Com Port	Input
16	0v	0v to Com Port	Output
17	CAN Hi	CAN Hi	
18	CAN Lo	CAN Lo	
19	Torque – A	Torque Sensor Signal A	Input
20	Torque – B	Torque Sensor Signal B	Input
21	Torque 0v	0v for Torque Sensor	Output
22	Torque +5v	+5v for Torque Sensor	Output
23	Fault Lamp	Switched Ground to Fault Lamp	Output
24	Switch Signal	Steering Map Selection Signal	Input
25 – 31	Not Used		

* Pins 1 and 2 share the same fuse.

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DIMENSIONS (MM)

