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Part Number : DM330023-2 - dsPICDEM MCHV-2 Development System



dsPICDEM MCHV-2 Development Board (Part # DM330023-2)

The Microchip dsPICDEM MCHV-2 Development System enables rapid development of a wide variety of high voltage motor control applications using a dsPIC Digital Signal Controller (DSC), including Brushless DC (BLDC) motors, Permanent Magnet Synchronous Motors (PMSM), and AC Induction Motors (ACIM), in sensor or sensorless operation. The MCHV-2 outputs up to 1000W at 400V from 85-285VAC input and has an integrated power factor correction stage. The MCHV-2 supports the dsPIC33F/E Motor Control device families and offers a mounting option to connect either a 28-pin SOIC device or a generic 100-pin Plug-in Module PIM. With the MCHV-2 either internal, on chip op-amps found on certain dsPIC devices or the external op-amps on the MCHV-2 board can be used. Microchip provides PIMs for using either the internal or external op-amps.

The MCHV-2(DM330023-2) replaces the MCHV(DM330023) and is fully backwards compatible with the original MCHV(DM330023) and all MC PIMs. [More Info >>](#)

Standard Pricing	
Quantity	USD per Unit
1	

Availability:
In stock (ships immediately):
1

More estimated to ship on:
17-Jun-2013

Quantity :

Part Number : MA240028 - PIC24EP64MC204 Motor Control PIM



PIC24EP64MC204 Motor Control PIM

This plug-in module comes with a 44-pin PIC24EP64MC204 QFN device. It is best used with the Microchip MCHV-2 [DM330023-2], MCLV-2 [DM330021-2] or MCSM [DM330022] motor control development boards. Notice: While this PIM can be used with the older MCHV development board, DM330023 Revision 4 or earlier [see product label], it requires an upgrade to support this PIM. Please contact the local Microchip sales office to obtain this free upgrade. MORE INFO >>

<http://ww1.microchip.com/downloads/en/DeviceDoc/DS-52004A.pdf>

[More Info >>](#)

Standard Pricing	
Quantity	USD per Unit
21	

Availability:
In stock (ships immediately):
21

More estimated to ship on:
17-Jun-2013

Quantity :

Part Number : MA330028 - dsPIC33EP64MC504 Motor Control PIM



dsPIC33EP64MC504 Motor Control PIM

This plug-in module comes with a 44-pin dsPIC33EP64MC504 QFN device. It is best used with the Microchip MCHV-2 [DM330023-2], MCLV-2 [DM330021-2] or MCSM [DM330022] motor control development boards. Notice: While this PIM can be used with the older MCHV development board, DM330023 Revision 4 or earlier [see product label], it requires an upgrade to support this PIM. Please contact the local Microchip sales office to obtain this free upgrade. MORE INFO >>

<http://ww1.microchip.com/downloads/en/DeviceDoc/DS-52004A.pdf>

[More Info >>](#)

Standard Pricing	
Quantity	USD per Unit
68	

Availability:
In stock (ships immediately):
68

More estimated to ship on:
17-Jun-2013

Quantity :

Part Number : MA330031 - dsPIC33EP256MC506 Internal OpAmp Motor Control PIM



dsPIC33EP256MC506 Internal OpAmp Motor Control PIM (Part # MA330031)

This plug-in module comes with a 64-pin dsPIC33EP256MC506 TQFP device. It enables using the on chip internal OpAmps on the dsPIC device. It can be used with the Microchip MCHV-2 [DM330023-2] and MCLV-2 [DM330021-2] development boards. Notice: This PIM CANNOT be used with the original MCHV [DM330023] or MCLV [DM330021] development boards. Use the external OpAmp PIM [MA330031-2] to use the dsPIC33EP256MC506 with original MCHV or MCLV boards. [More Info >>](#)

Standard Pricing	
Quantity	USD per Unit
5	

Availability:
In stock (ships immediately):
5

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Quantity :

Part Number : MA330031-2 - dsPIC33EP256MC506 External OpAmp Motor Control PIM



dsPIC33EP256MC506 External OpAmp Motor Control PIM (Part # MA330031-2)

This plug-in module comes with a 64-pin dsPIC33EP256MC506 TQFP device. It enables using the OpAmps on the MCLV-2 and MCHV-2 boards. It can be used with the Microchip MCHV-2 [DM330023-2] and MCLV-2 [DM330021-2]. It is not compatible with the MCLV [DM330021] and MCHV [DM330023] boards. Please use the MA330028 with the MCLV and MCHV. [More Info >>](#)

 <p>dsPIC33EP256MC506 External OpAmp Motor Control PIM (Part # MA330031-2)</p>	Standard Pricing <table border="1"><thead><tr><th>Quantity</th><th>USD per Unit</th></tr></thead></table>	Quantity	USD per Unit	Availability: In stock (ships immediately): 104 More estimated to ship on: 17-Jun-2013 Quantity : <input type="text"/> <input type="button" value="Add to Cart"/>
Quantity	USD per Unit			
Part Number : MA330032 - dsPIC33FJ32MC104 Plug In Module				
	<p>This PIM comes with a 44-Pin dsPIC33FJ32MC104 TQFP device. It is intended to be used to control the Microchip MCHV-2 (DM330023-2), MCLV-2 (DM330021-2), MCHV (DM330023), or MCLV (DM330021) motor control development boards. Notice: use of this PIM with the MCHV development board DM330023 Revision 4 or earlier (see product label), must be upgraded to support this PIM. Please contact the local Microchip sales office to obtain this free upgrade. More Info >></p>	Standard Pricing <table border="1"><thead><tr><th>Quantity</th><th>USD per Unit</th></tr></thead></table> Availability: In stock (ships immediately): 260 More estimated to ship on: 17-Jun-2013 Quantity : <input type="text"/> <input type="button" value="Add to Cart"/>	Quantity	USD per Unit
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