

MIC45212 Current Sharing Reference Design ★

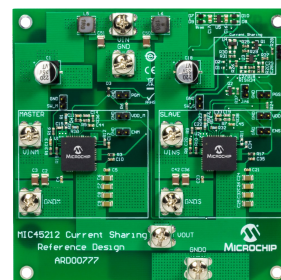
Part Number: ARD00777

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The MIC45212 Current Sharing Ref. Design improves the current capability of the MIC45212 from 14A to 28A while also decreasing the response time and improving load transient response. This is achieved by paralleling two MIC45212 with one working as a master and the other as slave to follow the master's current. Lossless sensing is used to maintain high efficiency in heavy load situations while maintaining the current sharing error to less than 5% at more than 15A load. The board features an output voltage of 3.3V and can be powered from 5.5V to 26V.



Features

Package Contents

The MIC45212 Current Sharing Ref. Design board features:

- maximum output current: 28A
- output voltage: 3.3V
- input voltage: 5.5V to 26V
- current sharing error: <5% for Iout>15A
- input filter for decreasing input current ripple

Documentation & Software

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Documents	Last Updated	Size	
★ MIC45212-1/2 Data Sheet	11/10/2017 9:48:39 AM	2MB	
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