Universal AC input 5V@1.2A cube charger with <10mW no-load power

Status: ACTIVE

PMP4344

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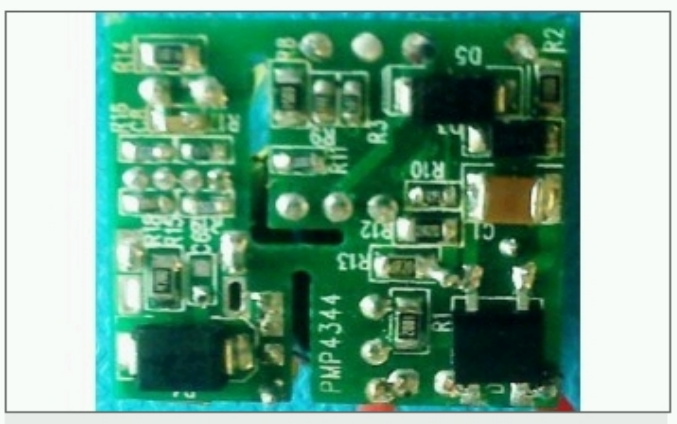
Description

This reference design demostrates a low cost single PCB solution for 5V1.2A cube charger. By using primary side regulation (PSR) mode chip UCC28710, < 10-mW No-Load power is achieved. The overall size is limited in 22mm(L)X21mm(W)x20mm(H).



Bottom of design

Technical Documents

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4344 PCB		PDF	290	09 Nov 2012	267
PMP4344 Test Report		PDF	500	09 Nov 2012	307

More Literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
PMP4344 BOM		PDF	111	09 Nov 2012	192
PMP4344 Schematic		PDF	42	09 Nov 2012	309

Related Products

Software (1)

PMP4344 Gerber
(ZIP, 19 KB) 119 views, 09 Nov 2012

TI Devices (2)

Part Number	Name	Product Family
TPS2511	USB Dedicated Charging Port Controller and Current Limiting Power Switch	USB Power Switch
UCC28710	Constant-Voltage, Constant-Current PWM Controller with Primary-Side Regulation	AC/DC and Isolated DC/DC Power Supply

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Training & Events

Name	Type	Available During
In-depth PFC Design Workshop sponsored by Biricha Digital Power	In-Person	15 Mar 2014 - 22 Mar 2014
In-depth PFC Design Workshop	In-Person	12 Nov 2013 - 14 Nov 2013
Digital Power Multi-Day Workshop	In-Person	05 Nov 2013 - 07 Nov 2013
Power Fundamentals: Switching Power Supply Design Considerations - Managing Thermal Performance	Recorded Content	On Demand
Power Fundamentals: Switching Power Supply Design Considerations - Thermal Design Guidelines and Recommendations	Recorded Content	On Demand

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