

[Description & Features](#)
[Technical Documents](#)
[Support & Community](#)
[Order Now](#)

Quad Output Isolated Synchronous Fly-Buckboost Converter Reference Design (top view)

i Fully assembled board (shown above) developed for testing and performance validation only, not available for sale.

[illegible]

Test Data

Get results faster with test and simulation data that's been verified.

Percent of Load Current of Outputs (%)	Efficiency @ 19V (%)	Efficiency @ 12V (%)	Efficiency @ 5V (%)
10	58.0	60.0	56.0
20	68.0	70.0	65.0
40	75.0	76.0	73.0
60	76.0	77.0	74.0
80	77.0	78.0	75.0
100	77.0	78.0	75.0

 [Download Test Data](#)

[illegible]

	PMP10545
V _{in} (Min) (V)	9
V _{in} (Max) (V)	30
V _{out} (Nom) (V)	5.7
I _{out} (Max) (A)	.35
Output Power	1.995
Isolated/Non-Isolated	Isolated
Input Type	DC
Topology	Flybuck

TI Devices (1)

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
LM5160	LM5160 Wide Input 65V, 1.5A Synchronous Step-Down DC-DC Conv	Converter (Integrated Switch)	Sample & Buy	View Design Kits & Evaluation Modules

Part #	Package Pins	CAD File (.bxl)	STEP Model (.stp)
LM5160	WSON (DNT) 12	Download	Download

Texas Instruments and Accelerated Designs Inc. have collaborated together to provide TI customers with schematic symbols and PCB layout footprints for TI products.

Step 1: Download and install the Ultra Librarian software [ZIP: 62MB](#)

Step 2: Download the Symbol and Footprint .bxl file.

[- read more -](#)

Technical Documents

User guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
PMP10545 Test Results		PDF	1183	10 Jun 2015	0

Design files (6)

Title	Abstract	Type	Size (KB)	Date	Views
PMP10545 Gerber		ZIP	213	10 Jun 2015	0
PMP10545 CAD Files		ZIP	581	10 Jun 2015	0
 PMP10545 PCB		PDF	232	10 Jun 2015	0
 PMP10545 Assembly Drawing		PDF	56	10 Jun 2015	0
 PMP10545 BOM		PDF	106	10 Jun 2015	0
 PMP10545 Schematic		PDF	143	10 Jun 2015	0

Support & Community

TI E2E™ community



As a member of [my.TI](#) you can join the [TI E2E™ Community](#) where you can ask questions, share ideas and collaborate with fellow engineers and TI experts

Contents are provided "AS IS" by the respective TI and Community contributors and do not constitute TI specifications. See [Terms of use](#).

Engage in the Community

- Amplifiers
- Broadband RF/IF & Digital Radio
- Clocks & Timers
- Data Converters
- DLP® & MEMS
- Interface
- Logic
- Power Management
- Wireless Connectivity

Wikis

Visit the TI Wiki

Other Support

- TI E2E Community
- Contact Technical Support

Your History

Products You Recently Viewed

- PMP9726
- PMP10596
- PMP7902
- PMP6024
- PMP10090.2