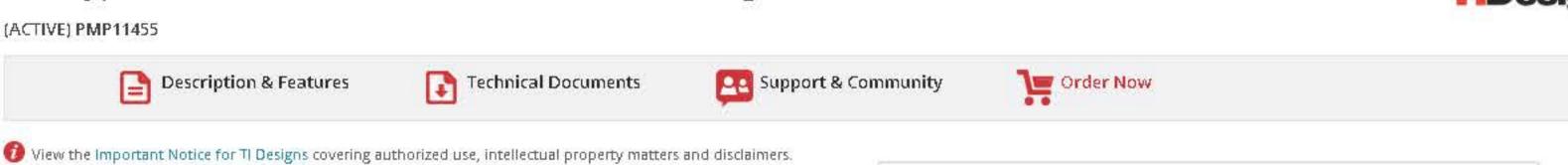


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USB Type C 5V/12V/20V Control Card Reference Design

(ACTIVE) PMP11455



Key Document

 PMP11455 Test Results (PDF 1070 KB) 16 May 2016 72 views

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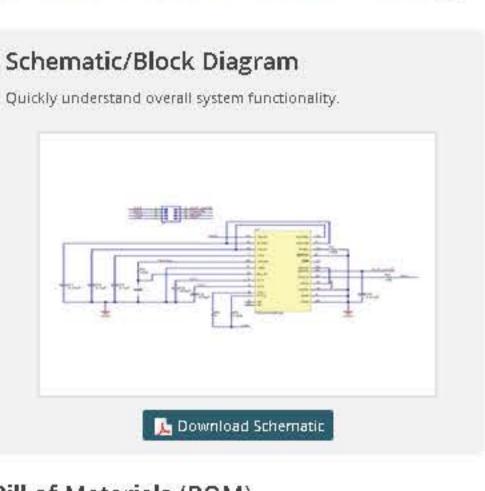
Description The PMP11455 control card provides the interface between a host 5V/12V/20V power supply and the USB-C port. This

card advertises a 60W profile with 5V, 12V, and 20V levels.

Features

- 60W power profile
- + 5V, 12V, 20V levels supported
- . Daughter card simplifies layout of mother board · Works with PMP11451 mother board









0.5 mm

available for sale.

PMP11455 USB Type C 5V/12V/20V Control Card Reference Design Top of Board Image

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

₩Worldwide (In English)

Bill of Materials (BOM)

Find the complete list of components in this reference design.

📜 Download BOM

Parametrics

rarametrics			
	PMP11455.1 (Output Voltage 1)		
Vin (Min) (V)	85		
Vin (Max) (V)	264		
Vout (Nom) (V)	20		
lout (Max) (A)	3		
Output Power (W)	60		
Isolated/Non-Isolated	Isolated		
Input Type	AC		
Topology	Flyback		

TI Devices (1)

Order samples, get tools and find more information on the TI products in this reference design.

Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS25740	TPS25740 USB Type-C rev 1.2 and USB PD 2.0 Source Controller (5V/12V/20V)	USB	Sample & Buy	View Design Kits & Evaluation Modules

Technical Documents

User guides (1)

Title	Abstract	Туре	Size (KB)	Date	Views	TI Recommends
PMP11455 Test Results		PDF	1070	16 May 2016	72	~

Design files (7)

Title \$	Abstract ♦	Type ♦	Size (KB) ♦	Date ▼	Views ◆
PMP11455 Gerber		ZIP	247	16 May 2016	10
PMP11455 CAD Files		ZIP	264	16 May 2016	9
▶ PMP11455 PCB		PDF	233	16 May 2016	19
PMP11455 Assembly Drawing 3D		PDF	226	16 May 2016	17
PMP11455 Assembly Drawing		PDF	41	16 May 2016	14
▶ PMP11455 BOM		PDF	98	16 May 2016	26
PMP11455 Schematic		PDF	74	16 May 2016	84

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