Multiphase, Sync Bucks, Linear for Single-board Computer (SBC) Power (1.1V @ 13A)

(ACTIVE) PMP3158.2

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Description

PMP3158 is a multiple output power supply for a single board computer. The TPS41040 is used to produce 3.3V@16A using a multiphase sync buck. The core voltage is supplied by a TPS40040 sync buck that outputs 1.1V@15A. The TPS51116 is used to supply DDR memory, there are two separate supplies (2.5V and 1.8V). Each of the TPS51116 designs has a VDDQ output and VTT (Linear that is ½ the VDDQ).

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Part Number	Name	Product Family	Sample & Buy	Design Kits & Evaluation Modules
TPS40040	Low Pin Count, Low Vin Synchronous Buck DC/DC Controller	Controller (External Switch)	Sample & Buy	View Design Kits & Evaluation Modules
TPS40140	Stackable 2 Channel Multiphase or 2 Channel Independent Output Controller	DC/DC Switching Regulator	Sample & Buy	View Design Kits & Evaluation Modules
TPS51116	DDR1, DDR2, DDR3 Switcher and LDO	Power Management	Sample & Buy	View Design Kits & Evaluation Modules

CAD/CAE symbols

Part #	Package | Pins	CAD File (.bxl)	STEP Model (.stp)
TPS40040	VSON (DRB) | 8	Download	-
TPS40140	VQFN (RHH) | 36	Download	-
TPS51116	HTSSOP (PWP) | 20	Download	Download
	VQFN (RGE) | 24	Download	-

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