TI Power Solution for Intel® IMVP6.5 i3, i5, and i7 Platforms with TPS51315

Input Range: V_in = 4.5 to 14 V

- TPS59621 Dual Controller
- TPS51120 Dual Controller with LDOs
- TPS51218 Controller
- TPS9116 Controller with LDOs
- TPS51315 Converter
- TPS51511 Selectable-Output Controller with LDOs

TI NexFET™ Switches

- 1.1 V at 10 A (M-STATE)
- 14 A (Intel GPU)
- 0.75 V at 2 A (DDR3 VTT)
- 0.75 V (VREF)
- 1.5 V at 10 A (DDR3 VDDQ)
- 0.75 V at 10 A (M-STATE)
- 5 V at 0.1 A (System)
- 3.3 V at 0.1 A (System)
- 2 V (System VREF)
- 1.1 V at 18 A (PCH)

Other components:
- bq24751A Charger
- bq3060 Battery-Pack Gas Gauge
- TPS59611 Controller
- TPS51218 Controller
- bq24751A Charger
- TPS51315 Converter

Output Voltages:
- 5 V at 5 A (System)
- 3.3 V at 5 A (System)
- 3.3 V at 10 A (DDR3 VDDQ)
- 5 V at 10 A (Core)

Intel® IMVP6.5 i3, i5, and i7 Platforms

SLUA571
For embedded PCs, input may be 5 to 12 V.

Notes:
1. Alternate devices are TPS51220A, TPS51125A, and TPS51427.
2. Alternate devices are two TPS51218s.

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