

DDR Termination Regulator 4.5V to 5.5V 20-Pin WQFN EP T/R

Manufacturer: [Texas Instruments, Inc](#)

Package/Case: WQFN20

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

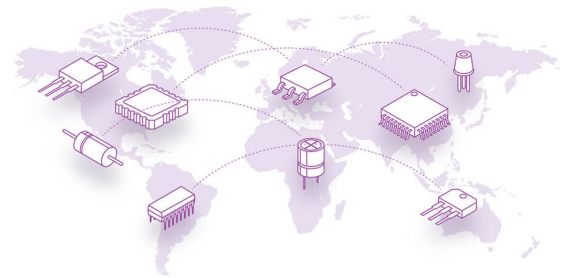
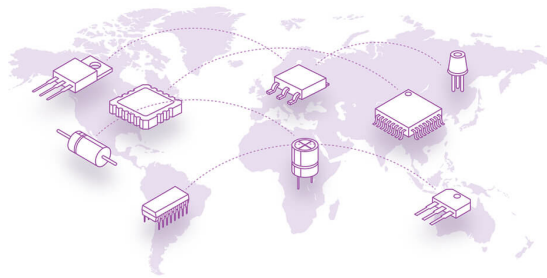
TPS51716RUKR Image

Images are for reference only

[Inquiry](#)

General Description

The TPS51716 provides a complete power supply for DDR2, DDR3, DDR3L, and LPDDR3 memory systems in the lowest total cost and minimum space. It integrates a synchronous buck regulator controller (VDDQ) with a 2-A sink/source tracking LDO (VTT) and buffered low noise reference (VTTREF). The TPS51716 employs D-CAP2™ mode coupled with 500 kHz or 670 kHz operating frequencies that supports ceramic output capacitors without an external compensation circuit. The VTTREF tracks VDDQ/2 with excellent 0.8% accuracy. The VTT, which provides 2-A sink/source peak current capabilities, requires only 10-μF of ceramic capacitance. In addition, the device features a dedicated LDO supply input.



Recommended For You

TPD3S014DBVR

Texas Instruments, Inc
SOT23-6

TPS2065CDBVR

Texas Instruments, Inc
SOT23-5

TPS2557DRBT

Texas Instruments, Inc
SON8

TPS2042BDR

Texas Instruments, Inc
SOP8

TPS2051BDR

Texas Instruments, Inc
SOP8

TPL7407LPWR

Texas Instruments, Inc
TSSOP16

TPS23753APWR

Texas Instruments, Inc
TSSOP14

TPS2116DRLR

Texas Instruments, Inc
SOT5X3-8

TPS259460ARPWR

Texas Instruments, Inc
VQFN-10

TPS23751PWPR

Texas Instruments, Inc
HTSSOP16

TPS65150QPWPRQ1

Texas Instruments, Inc
HTSSOP-24

TPS2410PWR

Texas Instruments, Inc
TSSOP-14

TPS22914BYFPR

Texas Instruments, Inc
DSBGA4

TPS2115ADRBR

Texas Instruments, Inc
VSON8

TPS2113ADRBR

Texas Instruments, Inc
SON8