

BD71837AMWV Reference Schematic

Rev 001

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001		Initial Release

Notice

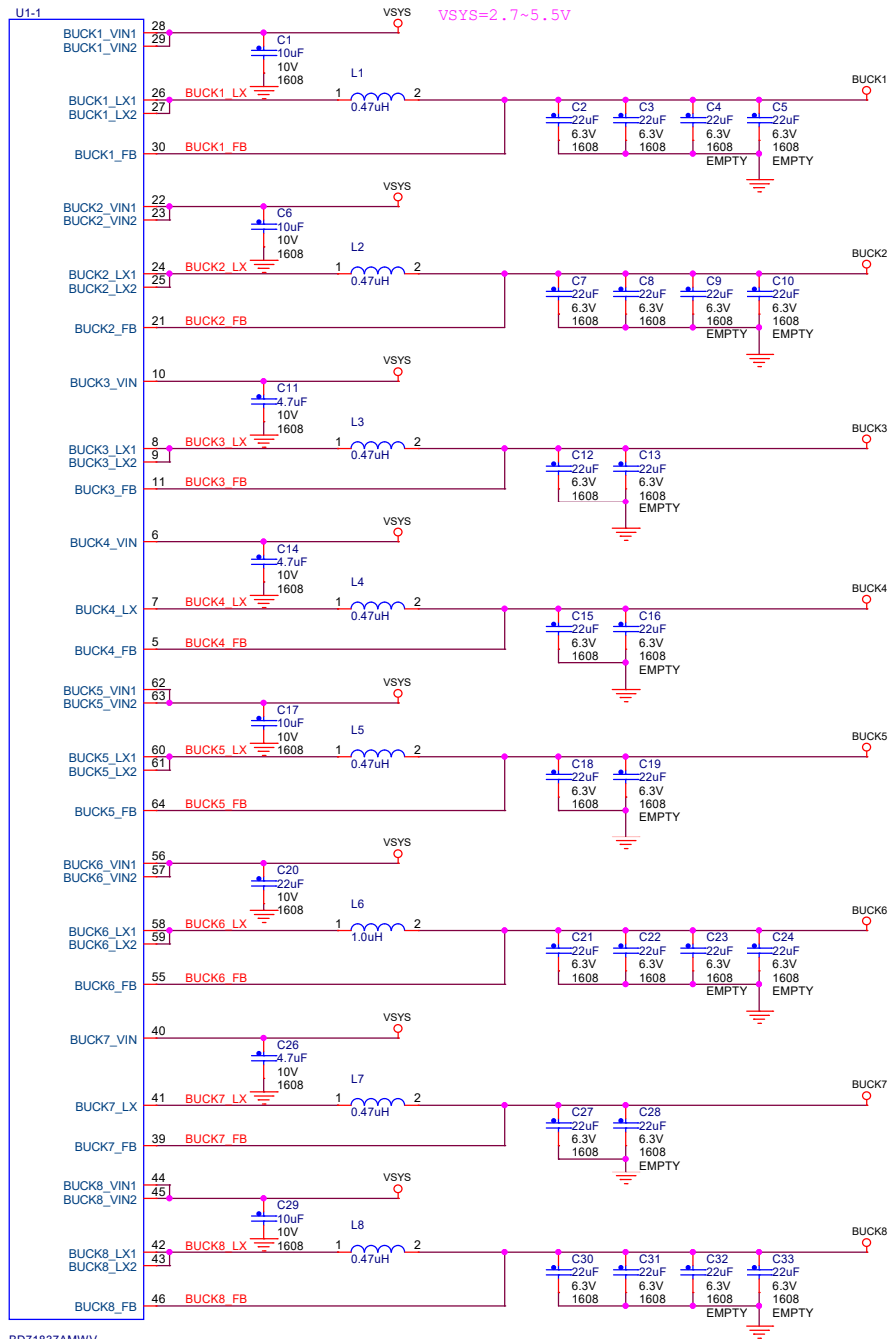
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Unit of Parts size: mm

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BD71837AMWV Reference Schematic <BUCK Converter Block>



[BUCK1/VDD_SOC]
Vout=0.9V, Iomax=3600mA

[BUCK2/VDD_ARM]
Vout=1.0V, Iomax=4000mA

[BUCK3/VDD_GPU]
Vout=1.0V, Iomax=2000mA

[BUCK4/VDD_VPU]
Vout=1.0V, Iomax=1000mA

[BUCK5/VDD_DRAM]
Vout=0.9V, Iomax=2500mA

[BUCK6/NVCC_3P3]
Vout=3.3V, Iomax=3000mA

[BUCK7/NVCC_1P8]
Vout=1.8V, Iomax=1500mA

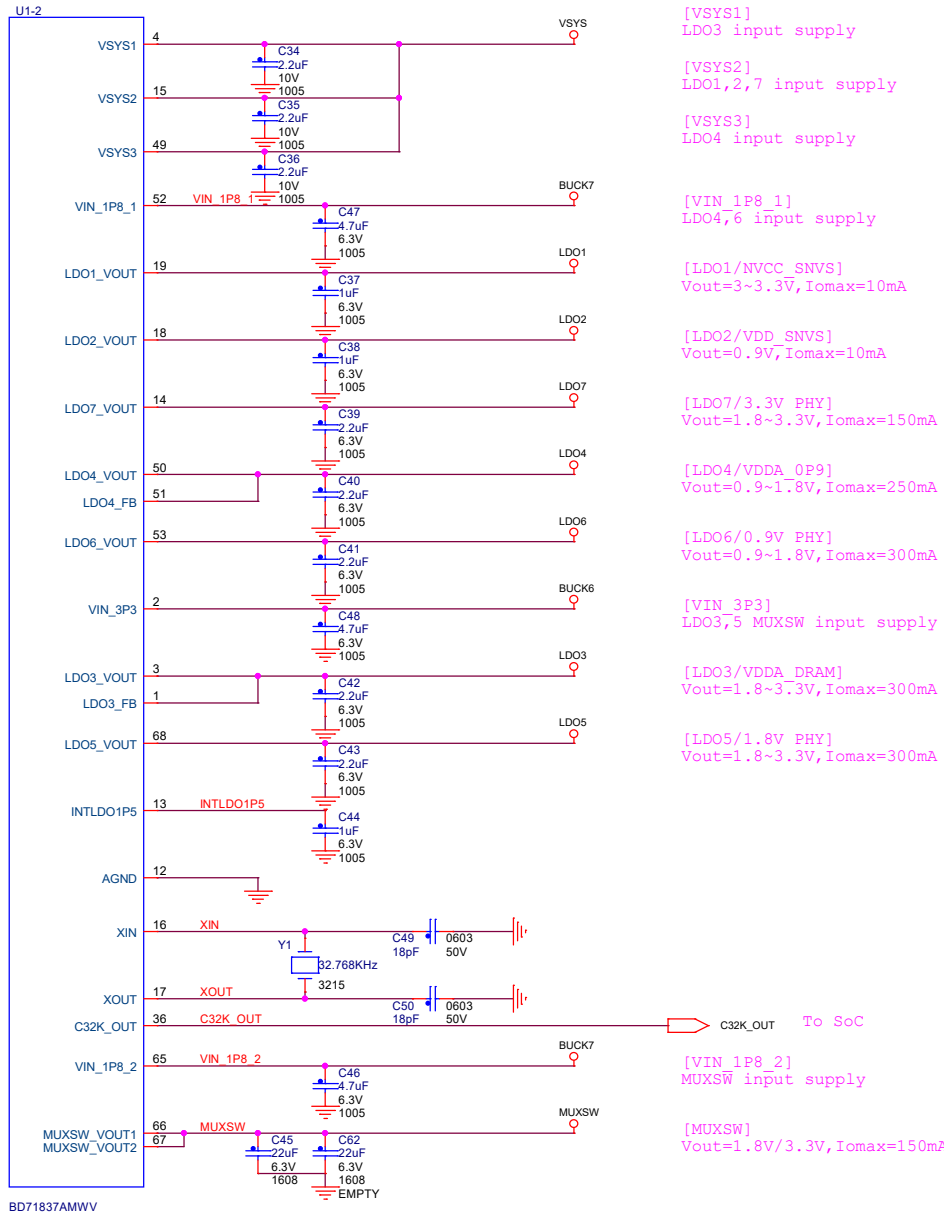
[BUCK8/NVCC_DRAM]
Vout=1.1V, Iomax=3000mA

Unit of Parts size: mm

BD71837AMWV

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BD71837AMWV Reference Schematic <LDOs and MISC>



[VSYS1]
LDO3 input supply

[VSYS2]
LDO1,2,7 input supply

[VSYS3]
LDO4 input supply

[VIN_1P8_1]
LDO4,6 input supply

[LDO1/NUVCC_SNVIS]
Vout=3-3.3V, Iomax=10mA

[LDO2/VDD_SNVIS]
Vout=0.9V, Iomax=10mA

[LDO7/3.3V PHY]
Vout=1.8~3.3V, Iomax=150mA

[LDO4/VDDA_0P9]
Vout=0.9~1.8V, Iomax=250mA

[LDO6/0.9V PHY]
Vout=0.9~1.8V, Iomax=300mA

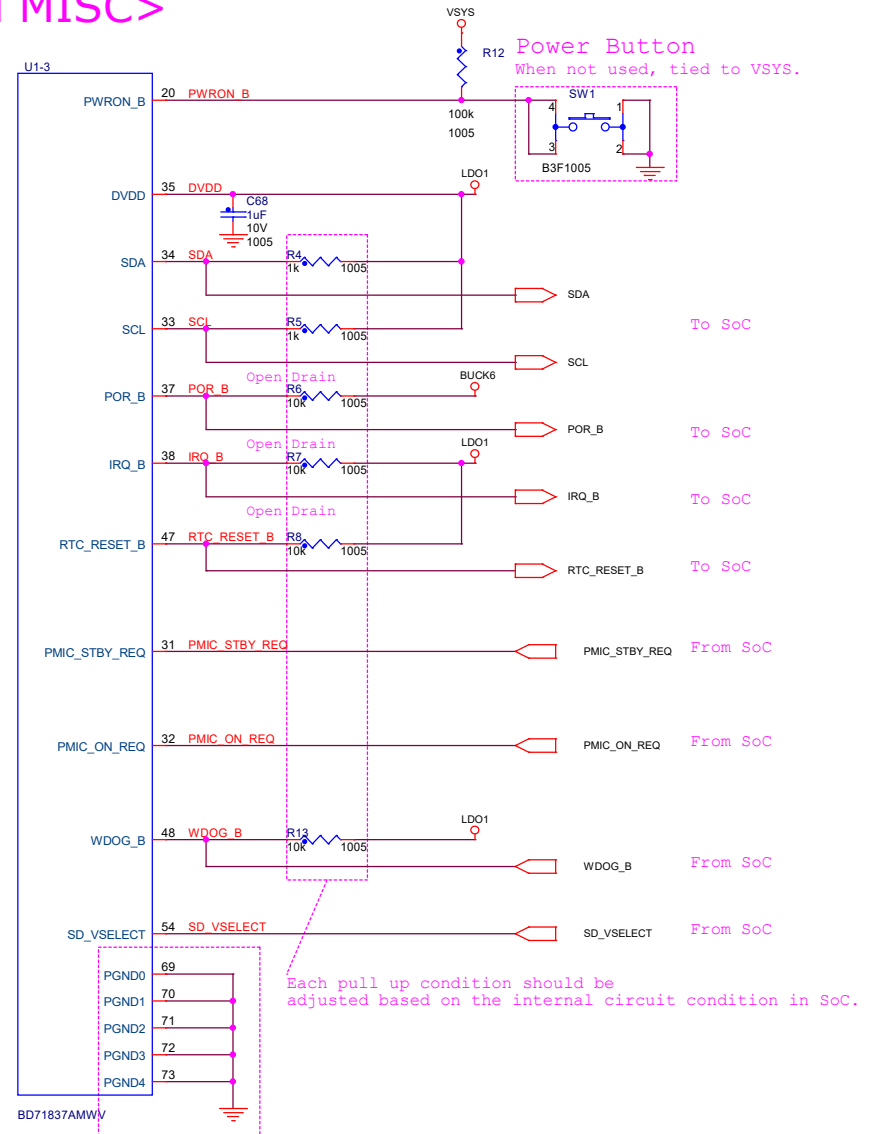
[VIN_3P3]
LDO3,5 MUXSW input supply

[LDO3/VDDA_DRAM]
Vout=1.8~3.3V, Iomax=300mA

[LDO5/1.8V PHY]
Vout=1.8~3.3V, Iomax=300mA

[VIN_1P8_2]
MUXSW input supply

[MUXSW]
Vout=1.8V/3.3V, Iomax=150mA



These pin numbers are not described in the datasheet but explained as Exposed pads. One of them is the bottom and the others are corners of PMIC. All pins are shorted internally.

Unit of Parts size: mm

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