AEI SYSTEMS POWER IC MODEL LIBRARY LISTINGS - Release 4.1

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Red Color Indicates New or Updated for V4.0a

Power MOS/IGBT Drivers	Vendor	Library	Part Description	Application Schematic File Name
IR2110	IR	IR_Driver	Hi and Lo Side Drivers	IR2110Test
IR2110S	IR	IR_Driver	Hi and Lo Side Drivers	IR2110STest
RIC7113	IR	IR_Driver	Hi and Lo Side Drivers	RIC7113Test
Si4724CY	Vishay	Vishay	N-Channel Synchronous MOSFETs with Break-Before-Make, See Si4724CY.pdf	SI4724CYTest
Si4768CY	Vishay	Vishay	N-Channel Synchronous MOSFETs with Break-Before-Mak	SI4768CYTest
Si4770CY	Vishay	Vishay	N-Channel Synchronous MOSFETs with Break-Before-Mak	SI4770CYTest
Sic710DD	Vishay	Vishay	Half-Bridge FET Driver	SIc710DD
Sic720DD	Vishay	Vishay	Half-Bridge FET Driver	SIC720DD
SiP41101	Vishay	Vishay	Half-Bridge FET Driver	SIP41101
HIP2100	Intersil	Intersil	100VDC – 2A Half Bridge Driver	HP2100Test
HIP2101	Intersil	Intersil	100V Half Bridge N-Channel	HP2101Test
HIP6601B	Intersil	Intersil	MOSFET Driver, Dual N-Channe	HP6601BTest
HIP6602B	Intersil	Intersil	Synchronous Rectified Buck MOSFET	HP6602BTest
MIC4416	Micrel	Micrel	1.2A-Peak Low-Side MOSFET Driver	
MIC4417	Micrel	Micrel	1.2A-Peak Low-Side MOSFET Driver	
MIC4420	Micrel	Micrel	6A-Peak Low-Side MOSFET Driver	
MIC4429	Micrel	Micrel	6A-Peak Low-Side MOSFET Driver	
MIC4421	Micrel	Micrel	9A-Peak Low-Side MOSFET Driver	
MIC4422	Micrel	Micrel	9A-Peak Low-Side MOSFET Driver	
MIC4421A	Micrel	Micrel	9A-Peak Low-Side MOSFET Driver	
MIC4422A	Micrel	Micrel	9A-Peak Low-Side MOSFET Driver	
MIC4423	Micrel	Micrel	3A-Peak Low-Side MOSFET Driver	
MIC4424	Micrel	Micrel	3A-Peak Low-Side MOSFET Driver	MIC4424, MICREL_Test
MIC4451	Micrel	Micrel	12A-Peak Low-Side MOSFET Driver	
MIC4452	Micrel	Micrel	12A-Peak Low-Side MOSFET Driver	
TPS2834	TI	TI_Power	Synchronous-Buck MOSFET Drivers With Deadtime Contro	TPS2834_5_App
TPS2835	TI	TI_Power	Synchronous-Buck MOSFET Drivers With Deadtime Contro	TPS2834_5_App
UCC37323	TI	TI_Power	Dual 4 A Peak High Speed Low-Side Power MOSFET Drivers	UCC37324 Test Circuit
UCC37324	TI	TI_Power	Dual 4 A Peak High Speed Low-Side Power MOSFET Drivers	UCC37324 Test Circuit
UCC37325	TI	TI_Power	Dual 4 A Peak High Speed Low-Side Power MOSFET Drivers	UCC37324 Test Circuit

Linear	Vendor	Library	Part Description	Application Schematic File Name
AD524S	AD	ADI_Linear	Analog Multiplier, See AD524S.pdf	NA
AD534T	AD	ADI_Linear	Instrumentation Amp, See AD534T.pdf	NA
AD536A	AD	ADI_Linear	Integrated Circuit True RMS to DC Converter	AD536A Test dB, AD536A Test
AD636	AD	ADI_Linear	Low Level, True RMS to DC Converter	AD636C, AD636C_dB
AD637	AD	ADI_Linear	High Precision, Wideband RMS to DC Converter	dB Test, Test
AD736	AD	ADI_Linear	Low Cost, Low Power, True RMS to DC Converter	Test (AD736G)
AD737F	AD	ADI_Linear	Low Cost, Low Power, True RMS to DC Converter	Test (AD737F)
AD8000	AD	ADI_Linear	1.5 GHz, Ultra-High Speed Op Amp with Power-Down	AD8000 Test
AD8003	AD	ADI_Linear	Triple, 1.5 GHz Op Amp	AD8003
AD8099	AD	ADI_Linear	Op-amp, See AD8099.pdf	AD8099Test
AD8133	AD	ADI_Linear	Triple Differential Driver With Output Pull-Down	AD8133_Closed
AD8137	AD	ADI_Linear	Low Cost, Low Power 12-Bit Differential ADC Drive	AD8137
AD8139	AD	ADI_Linear	Ultra Low Noise Fully Differential ADC Drive	AD8139
AD8206	AD	ADI_Linear	Single-Supply 42V System Difference Amplifie	AD80206
AD8214	AD	ADI_Linear	High Voltage Threshold Detector	AD8214 Test
AD8330	AD	ADI_Linear	Low Cost DC to 150 MHz Variable Gain Amplifie	AD8330_App
AD8331, AD8331_LNA, AD8331_VGA	AD	ADI_Linear	Single VGA with Ultralow Noise Preamplifier and Programmable Rin	AD8331
AD8333	AD	ADI_Linear	DC to 50 MHz Dual I/Q Demodulator and Phase Shifter	ad8333p, AD8333TEST2, AD8333TEST3
AD8335	AD	ADI_Linear	Quad Low Noise, Low Cost Variable Gain Amplifie	AD8335_APP
AD8336	AD	ADI_Linear	General Purpose Wide-Bandwidth Variable Gain Amplifie	
ADA4860	AD	ADI_Linear	High Speed, Low Cost, Op Amp	Test (ADA4860-1)
ADA4861	AD	ADI_Linear	High Speed, Low Cost, Triple Op Amp	Test (ADA4861-3)
ADA4862	AD	ADI_Linear	High Speed, G = +2, Low Cost, Triple Op Amp	Test (ADA4862-3)

Power IC Models	Vendor	Library	Part Description	Application Schematic File Name
HS117RH	Intersil	Intersil	Radiation Hardened Adjustable Positive Voltage Linear Regulato	HS117, HS117_AC
ISL6225	Intersil	Intersil	PWM Controller, Dual, Regulated Output Voltage 0.9V-5.5V	ISL6225Avg
ISL6520a	Intersil	Intersil	PWM Controller, +5V Input, VOUT 0.8V Min @ 1.5%, 300kHz	ISL6520ATRAN
ISL6520Assa	Intersil	Intersil	Average model	ISL6225AVG
ISL6721	Intersil	Intersil	Single-Ended Current Mode PWM controller	ISL6721TRAN
ISL6721Av	Intersil	Intersil	Single-Ended Current Mode PWM controller , Average mode	ISL6721AVG
ISL6740	Intersil	Intersil	PWM controller for half bridge and bus converter, See ISL6740switching.pdf	NA
ISL6740av	Intersil	Intersil	Average model, See ISL6740average.pdf	ISL6740Avg
ISL6741av	Intersil	Intersil	PWM controller for hard-switched full bridge and push-pull applications, Average model	ISL6741Avg
LT1242	Linear Tech	LT_Power	High Speed Current Mode Pulse Width Modulators	LT1242Test
LT1242S	Linear Tech	LT_Power	State space average model	
LT1243	Linear Tech	LT_Power	High Speed Current Mode Pulse Width Modulators	LT1243
LT1243S	Linear Tech	LT_Power	State space average model	
LT1244	Linear Tech	LT_Power	High Speed Current Mode Pulse Width Modulators	LT1244
LT1244S	Linear Tech	LT_Power	State space average model	
LT1245	Linear Tech	LT_Power	High Speed Current Mode Pulse Width Modulators	LT1245
LT1245S	Linear Tech	LT_Power	State space average model	
ML4863	Microlinear	Microlinear	Boost Regulators for Battery Powered Applications	ML4863Test

Power IC Models	Vendor	Library	Part Description	Application Schematic File Name
TPS2490	TI	TPS2490 (in Examples\TI\TPS2490)	POS HIGH-VOLT POWER-LIMITING HOTSWAP	SLVS503B
TPS2491	TI	TPS2491 (in Examples\TI\TPS2491)	POS HIGH-VOLT POWER-LIMITING HOTSWAP	SLVS503B
TL494	TI	TI_Power	PWM Control Circuit	TL494 STEADY STATE, TL494 STARTUP
TL494avg	TI	TI_Power	Average TL494 model	TL494AVG BODE
TPS40007	TI	TI_Power	Synchronous Buck,300kHz	TPS40007_APP
TPS40007Avg	TI	TI_Power	Synchronous Buck,300kHz Average model	TPS40007AVG
TPS40009	TI	TI_Power	Synchronous Buck,600KHz	TPS40009
TPS40009Avg	TI	TI_Power	Synchronous Buck,600KHz	TPS40009AVG
TPS40040	TI	TI_Power	Synchronous Buck Converter,300kHz	TPS40040_1_APP
TPS40040Avg	TI	TI_Power	Synchronous Buck Converter,300kHz State-Space Average model	TPS40040avg
TPS40041	TI	TI_Power	Synchronous Buck Converter,600kHz	TPS40040_1_APP
TPS40041Avg	TI	TI_Power	Synchronous Buck Converter,600kHz State-Space Average model	TPS40041avg
TPS40042	TI	TPS40042 (in Examples\TI\TPS40042)	Low Pin Count, Low Vin, Synchronous Buck DCDC Controller with Tracking	tps40042
TPS40055	TI	TI_Power	Wide-Input Synchronous Buck Controlle	TPS40055
40055MOD2	TI	TI_Power	State Space Model	TPS40055_SSA
TPS40060	TI	TI_Power	Wide-Input Synchronous Buck Controller	TPS40060_AppV2
TPS40060_Avg	TI	TI_Power	Wide-Input Synchronous Buck Controller State-Space Average model	TPS40060 Average
TPS40061	TI	TI_Power	Wide-Input Synchronous Buck Controlle	TPS40061_AppV2
TPS40061_Avg	TI	TI_Power	Wide-Input Synchronous Buck Controller State-Space Average model	TPS40061 Average

TPS40090	TI	TI_Power	High Frequency Multi-phase Controller; Parameter TRI=1	TPS40090_1_APP
TPS40090avg	TI	TI_Power	High Frequency Multi-phase Controller State-Space Average model	TPS40090avg
TPS40091 (use 40090, Set TRI = 0)	TI	TI_Power	High Frequency Multi-phase Controller; The only difference between the two models is that the passed model parameter TRI=1 for TPS40090 (disables tri-state feature) and TRI=0 for the TPS40091 (enables tri-state feature).	TPS40090_1_APP (average same as '090)
TPS40140	TI	TPS40140 (in Examples\TI\TPS40140)	Stackable 2 Channel Multiphase or 2 Channel Independent Output Controller	tps40140
TPS40180	TI	TPS40180 (in Examples\TI\TPS40180)	Stackable 2 Channel Multiphase or 2 Channel Independent Output Controller	tps40180
TPS40190	TI	TI_Power	Synchronous Buck Converter	SLUU232
TPS40190Avg	TI	TI_Power	Synchronous Buck Converter Average Model	TPS40190avg
TPS40192	TI	TI_Power	Synchronous Buck w/P Good, 600KHz Separate State-Space Average model simulation provided	TPS40192_AppV4, TPS40192AVG
TPS40193	TI	TI_Power	Synchronous Buck w/pP Good ,300KHz Separate State-Space Average model simulation provided	TPS40193_APPV3, TPS40193 AVG
TPS40195	TI	TI_Power	Synchronous Buck w/P Good and Sync Separate State-Space Average model simulation provided	TPS40195_SubV2, Average
TPS40200	TI	TI_Power	Wide-Input Non-Synchronous Buck Controller	APPLICATION (requires tps40200app.lib)
TPS40200_avg	TI	TI_Power	Wide-Input Non-Synchronous Buck Controller State-Space Average model	TPS40200 average
TPS40210_0	TI	TI_Power	Current Mode Boost	LED_Application, TPS40210 Boost App
TPS40210Avg	TI	TI_Power	Current Mode Boost State-Space Average model	TPS40210AVG
TPS40211	TI	TPS40211 (in Examples\TI\TPS40211)	Wide Input Range Current Mode Boost Controller	tps40211_trans_steady
TPS40211_Startup	TI	TPS40211 (in Examples\TI\TPS40211)	Wide Input Range Current Mode Boost Controller	tps40211_trans_start
TPS40211Avg	TI	TPS40211 (in Examples\TI\TPS40211)	Wide Input Range Current Mode Boost Controller State Space Average Model	tps40211_avg
TPS40222	TI	TI_Power	1.6A 1.25Mhz Buck State-Space Average mode	TPS40222NEW
TPS40222_Avg	TI	TI_Power	1.6A 1.25Mhz Buck State-Space Average mode	TPS40222_AVG
TPS40303	TI	TPS40303 (in Examples \TI\TPS4030x\TPS40303_PSPICE_TRANS)	3V to 20V Wide Input Synchronous Buck Controller for High Power Density	TPS40303
TPS40304	TI	TPS40304 (in Examples \TI\TPS4030x\TPS40304_PSPICE_TRANS)	3V to 20V Wide Input Synchronous Buck Controller for High Power Densit	TPS40304
TPS40305	TI	TPS40305 (in Examples \TI\TPS4030x\TPS40305_PSPICE_TRANS)	3V to 20V Wide Input Synchronous Buck Controller for High Power Density	TPS40305
TPS51100	TI	TI_Power	3A Sink/Source DDR Regulator	TPS51100_APP (two versions, one for AC, one for Transient)
TPS51103	TI	TPS51113 (in Examples\TI\TPS51103)	Integrated LDO with switchover circuit for notebook computers	tps51103
TPS51113	TI	TPS51113 (in Examples\TI\TPS51113)	4.5V to 13.2V Synchronous Buck Controller with High Current Gate Driver 300kHz	tps51113
TPS51116	TI	TPS51116 (in Examples\TI\TPS51116)	DDR1, DDR2, DDR3 Switcher and LDO	tps51116
TPS51117	TI	TI_Power	Synchronous Step-down On-Timer Controller	TPS51117 Steady State,TPS51117 Start UP
TPS51120	TI	TPS51120 (in Examples\TI\TPS51120)	Dual Current Mode, Synch Step-Down Controller With 100-mA Standby Regulator	tps51120
TPS51123	TI	TPS51123 (in Examples \TI\TPS51123\TPS51123_PSPICE_TRANS)	Dual-Synchronous, Step-Down Controller w/ Out-of-Audio Operation, 100-mA LDO	tps51123
TPS51124A	TI	TI_Power	Synchronous Step-down On-Timer Controlle	
TPS51124H	TI	TI_Power	Synchronous Step-down On-Timer Controlle	BUCK_EVM_SLUU252, INTEL
TPS51125	TI	TPS51125 (in Examples \TI\TPS51125\TPS51125_PSPICE_TRANS)	Dual-Synchronous, Step-Down Controller with Out-of-AudioT Operation and 100 mA LDOs	TPS51125_trans
TPS51125_Avg	TI	TPS51125 Average (in Examples \TI\TPS51125\TPS51125_PSPICE_AVG)	Dual-Synchronous, Step-Down Controller with Out-of-AudioT Operation and 100 mA LDOs	TPS51125avg
TPS51163	TI	TPS51163 (in Examples\TI\TPS51163)	4.5V to 13.2V Synchronous Buck Controller with High Current Gate Driver 600kHz	tps51163
TPS51200	TI	TI_Power	Sink/Source DDR Termination Regulator	TPS51200_APP, TPS51200_AVG
TPS51217	TI	TPS51217 (in Examples\TI\TPS51217)	High-Performance, Single Synchronus, Step Down Controller for notebook power supply	TPS51217
TPS51218	TI	TPS51218 (in Examples \TI\TPS51218\TPS51218_PSPICE_TRANS)	3V to 28V Input. 20A Synchronous Step Down Controller	TPS51218
TPS51220A	TI	TPS51220A (in Examples\TI\TPS51220A)		
TPS51315	TI	TPS51315 (in Examples\TI\TPS51315)	3V to 14V, 10A Synchronous Step Down Converter with D-CAP™ Mode	tps51315
TPS51427	TI	TPS51427 (in Examples \TI\TPS51427A)	Dual D-CAP synchronous step-down controller	TPS51427
TPS51427A	TI	TPS51427A (in Examples\TI\TPS51427A)	DUAL D-CAP SYNCHRONOUS STEP-DOWN CONTROLLER	SLUS843B
TPS53311	TI	TPS53311 (in Examples\TI\TPS53311)	a 3-A Eco-mode integrated switcher	SLUSA41
TPS54010	TI	TPS54010 (in Examples \TI\TPS54010\TPS54010_PSPICE_TRANS)	2.2V-4.0V, 14A Synchronous Step Down SWIFT™ Converter	TPS54010
TPS54040	TI	TPS54040 (in Examples\TI\TPS54040)	3.5V to 42V Input, 0.5 A Step Down SWIFT™ Converter with Eco-Mode™	tps54040
TPS54060	TI	TPS54060 (in Examples\TI\TPS54060)	3.5V to 60V Input, 0.5A, 2.5MHz Step Down SWIFT™ Converter with Eco Mode™	tps54060
TPS54110	TI	TPS54110 (in Examples \TI\TPS54110\TPS54110_PSPICE_TRANS)	Low Input Voltage 1.5A Step Down SWIFT™ Converter with Adjustable Output Voltage	tps54110
TPS54140	TI	TPS54140 (in Examples\TI\TPS54140)	3.5V to 42V Input, 1.5 A Step Down SWIFT™ Converter with Eco-Mode ™	tps54140
TPS54160	TI	TPS54160 (in Examples\TI\TPS54160)	3.5V to 60V, 1.5A Step Down SWIFT™ Converter with Eco-Mode™	tps54160
TPS54218	TI	TPS54218 (in Examples\TI\TPS54218)	Synchronous Step Down Switcher with Integrated FET	SLVS974
TPS54225	TI	TPS54225 (in Examples\TI\TPS54225)	SWIFT Regulator	SLVSA15B
TPS54226	TI	TPS54226 (in Examples\TI\TPS54226)	SWIFT Regulator	SLVSA14C
TPS54240	TI	TPS54240 (in Examples\TI\TPS54240)	3.5V TO 42V Step Down Converter	SLVSAA6
TPS54260	TI	TPS54260 (in Examples\TI\TPS54260)	3.5V TO 42V Step Down Converter	SLVSA86
TPS54283	TI	TI_Power	Non Synchronous Converter W/integrated HS FET,300kHz 2A State-Space Average model	3P3V AVERAGE, 5V AVERAGE
TPS54286	TI	TI_Power	Non Synchronous Converter W/integrated HS FET,600kHz 2A State-Space Average model	3P3V AVERAGE, 5V AVERAGE
TPS54290	TI	TPS54290 (in Examples \TI\TPS54290\TPS54290_PSPICE_TRANS)	4.5V to 18V Input, 1.5/2.5A, 300 kHz Dual Synchronous Step Down SWIFT™ Converter	tps54290
TPS54291	TI	TPS54291 (in Examples \TI\TPS54291\TPS54291_PSPICE_TRANS)	4.5V to 18V Input, 1.5/2.5A, 600 kHz Dual Synchronous Step Down SWIFT™ Converter	tps54291
TPS54292	TI	TPS54292 (in Examples \TI\TPS54292\TPS54292_PSPICE_TRANS)	4.5V to 18V Input, 1.5/2.5A, 1.2 MHz Dual Synchronous Step Down SWIFT™ Converter	tps54292
TPS54310	TI	TPS54310 (in Examples \TI\TPS54310\TPS54310_PSPICE_TRANS)	3V to 6V, 3A Synchronous Step Down SWIFT™ Converter	tps54310
TPS54311	TI	TPS54311 (in Examples\TI\TPS54311)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS416B
TPS54312	TI	TPS54312 (in Examples\TI\TPS54312)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS416B
TPS54313	TI	TPS54313 (in Examples\TI\TPS54313)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS416B
TPS54314	TI	TPS54314 (in Examples\TI\TPS54314)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS416B
TPS54315	TI	TPS54315 (in Examples\TI\TPS54315)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	TPS54315 Start UP
TPS54316	TI	TPS54316 (in Examples\TI\TPS54316)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS416B
TPS54319	TI	TPS54319 (in Examples\TI\TPS54319)	2.95V TO 6V Step Down Converter	SLVSA83
TPS54325	TI	TPS54325 (in Examples\TI\TPS54325)	SWIFT Regulator	SLVS932A
TPS54326	TI	TPS54326 (in Examples\TI\TPS54326)	SWIFT Regulator	SLVU300
			Non Synchronous Converter W/integrated HS FET,300kHz 3A	

TPS54425	TI	TPS54425 (in Examples\TI\TPS54425)	SWIFT Regulator	SLVSA84A
TPS54610	TI	TPS54610 (in Examples \TI\TPS54610\TPS54610_PSPICE_TRANS	3V to 6V, 6A Synchronous Step Down SWIFT™ Converter	tps54610
TPS54611	TI	TPS54611 (in Examples\TI\TPS54611)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS400C
TPS54612	TI	TPS54612 (in Examples\TI\TPS54612)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS400C
TPS54613	TI	TPS54613 (in Examples\TI\TPS54613)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS400C
TPS54614	TI	TPS54614 (in Examples\TI\TPS54614)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS416B
TPS54615	TI	TPS54615 (in Examples\TI\TPS54615)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS416B
TPS54616	TI	TPS54616 (in Examples\TI\TPS54616)	3V-6V, 3A OUTPUT SYNC BUCK w/ INTEGRATED FETs	SLVS416B
TPS54620	TI	TPS54620 (in Examples \TI\TPS54620\TPS54620_PSPICE_TRANS	4.5V to 17V Input, 6A Synchronous Step Down SWIFT™ Converter	tps54620_trans
TPS54810	TI	TPS54810 (in Examples \TI\TPS54810\TPS54810_PSPICE_TRANS	5V Input 8A Synchronous Buck Converter with Adjustable Output Voltage	tps54810
TPS54910	TI	TPS54910 (in Examples \TI\TPS54910\TPS54910_PSPICE_TRANS	3V to 4V, 9A Synchronous Step Down SWIFT™ Converter	tps54910
TPS55383_Avg	TI	TPS55383 (in Examples \TI\TPS55383\TPS55383_PSPICE_AVG)	3A, Dual Non-Synchronous Buck Converter w/ High-Side MOSFET and Externa Compensation, 300 kHz	tps55383avg3v3, tps55383avg5v
TPS55383	TI	TPS55383 (in Examples \TI\TPS55383\TPS55383_PSPICE_TRANS)	3A, Dual Non-Synchronous Buck Converter w/ High-Side MOSFET and Externa Compensation, 300 kHz	tps55383
TPS55386_Avg	TI	TPS55383 (in Examples \TI\TPS55383\TPS55383_PSPICE_AVG)	3A, Dual Non-Synchronous Buck Converter w/ High-Side MOSFET and Externa Compensation, 600 kHz	tps55386avg3v3, tps55386avg5v
TPS55386	TI	TPS55383 (in Examples \TI\TPS55383\TPS55383_PSPICE_TRANS)	3A, Dual Non-Synchronous Buck Converter w/ High-Side MOSFET and Externa Compensation, 600 kHz	tps55386
TPS61020	TI	TPS61020 (in Examples\TI\TPS61020)	Adjustable, 1.5-A Switch, 96% Efficient Boost Converter with Down-Mode, QFN 10	tps61020_trans
TPS61020_Avg	TI	TPS61020 (in Examples\TI\TPS61020)	Adjustable, 1.5-A Switch, 96% Efficient Boost Converter with Down-Mode, QFN 10 Average Model	tps61020avg
TPS61030	TI	TPS61030 (in Examples \TI\TPS61030\TPS61030_PSPICE_TRANS)	Adjustable, 4-A Switch, 96% Efficient Boost Converter	tps61030
TPS61031	TI	TPS61031 (in Examples \TI\TPS61031\TPS61031_PSPICE_TRANS)	3.3-V Output, 1-A, 96% Efficient Boost Converter	tps61031
TPS61032	TI	TPS61032 (in Examples \TI\TPS6102\TPS61032_PSPICE_TRANS)	5-V Output, 1-A, 96% Efficient Boost Converter	tps61032
TPS61040	TI	TPS61040 (in Examples\TI\TPS61040)	Evaluation Module	SLVS413E
TPS61041	TI	TPS61041 (in Examples\TI\TPS61041)	Evaluation Module	SLVS413E
TPS61085	TI	TPS61085 (in Examples \TI\TPS61085\TPS61085_PSPICE_TRANS)	18.5V, 2A, 650kHz / 1.2MHz Step-Up DC-DC Converter	tps61085
TPS61086	TI	TPS61086 (in Examples \TI\TPS61086\TPS61086_PSPICE_TRANS)	18.5V PFM/PWM High Efficiency Step-Up DC-DC Converter	tps61086
TPS61087	TI	TPS61087 (in Examples \TI\TPS61087\TPS61087_PSPICE_TRANS)	18.5V, 3.2A, 650kHz / 1.2MHz Step-Up DC-DC Converter	tps61087
TPS62060	TI	TPS62060 (in Examples\TI\TPS62060)	3-MHz 1.6A Step Down Converter	SLVSA95
TPS62065	TI	TPS62065 (in Examples\TI\TPS62065)	3-MHz 2A Step Down Converter	SLVU364
TPS62067	TI	TPS62067 (in Examples\TI\TPS62067)	3-MHz 2A Step Down Converter	SLVS833A
TPS62120	TI	TPS62120 (in Examples\TI\TPS62120)	15V 75mA High Efficiency Buck Converter	SLVSAD5
TPS62122	TI	TPS62122 (in Examples\TI\TPS62122)	15V 75mA High Efficiency Buck Converter	SLVSAD5
TPS62230	TI	TPS62230 (in Examples\TI\TPS62230)	3-MHz Ultra-small step down converter	SLVU312
TPS62231	TI	TPS62231 (in Examples\TI\TPS62231)	3-MHz Ultra-small step down converter	SLVU312
TPS622310	TI	TPS622310 (in Examples\TI\TPS622310)	3-MHz Ultra-small step down converter	SLVU312
TPS622311	TI	TPS622311 (in Examples\TI\TPS622311)	3-MHz Ultra-small step down converter	SLVU312
TPS622312	TI	TPS622312 (in Examples\TI\TPS622312)	3-MHz Ultra-small step down converter	SLVU312
TPS622313	TI	TPS622313 (in Examples\TI\TPS622313)	3-MHz Ultra-small step down converter	SLVU312
TPS622314	TI	TPS622314 (in Examples\TI\TPS622314)	3-MHz Ultra-small step down converter	SLVU312
TPS62232	TI	TPS62232 (in Examples\TI\TPS62232)	3-MHz Ultra-small step down converter	SLVU312
TPS62233	TI	TPS62233 (in Examples\TI\TPS62233)	3-MHz Ultra-small step down converter	SLVU312
TPS62234	TI	TPS62234 (in Examples\TI\TPS62234)	3-MHz Ultra-small step down converter	SLVU312
TPS62235	TI	TPS62235 (in Examples\TI\TPS62235)	3-MHz Ultra-small step down converter	SLVU312
TPS62236	TI	TPS62236 (in Examples\TI\TPS62236)	3-MHz Ultra-small step down converter	SLVU312
TPS62237	TI	TPS62237 (in Examples\TI\TPS62237)	3-MHz Ultra-small step down converter	SLVU312
TPS62238	TI	TPS62238 (in Examples\TI\TPS62238)	3-MHz Ultra-small step down converter	SLVU312
TPS62239	TI	TPS62239 (in Examples\TI\TPS62239)	3-MHz Ultra-small step down converter	SLVU312
TPS62240_Trans	TI	TPS6224x (in Examples\TI\TPS6224x)	2.25MHz 300mA Step-Down Converter in 2x2mm SON/TSOT23 Package	tps62240_trans
TPS62242_Trans	TI	TPS6224x (in Examples\TI\TPS6224x)	2.25MHz 300mA Step-Down Converter in 2x2mm SON/TSOT23 Package	tps62242_trans
TPS62243_Trans	TI	TPS6224x (in Examples\TI\TPS6224x)	2.25MHz 300mA Step-Down Converter in 2x2mm SON/TSOT23 Package	tps62243_trans
TPS62260_Avg	TI	TI_Power	2.25MHz 600mA Step-Down Converter in 2x2mm SON/TSOT23 Package	tps62260_Avg
TPS62260	TI	TI_Power	2.25MHz 600mA Step-Down Converter in 2x2mm SON/TSOT23 Package	tps62260_trans
TPS62261	TI	TI_Power	2.25MHz 600mA Step-Down Converter in 2x2mm SON/TSOT23 Package	tps62261_trans
TPS62262	TI	TI_Power	2.25MHz 600mA Step-Down Converter in 2x2mm SON/TSOT23 Package	tps62262_trans
TPS62263	TI	TI_Power	2.25MHz 600mA Step-Down Converter in 2x2mm SON/TSOT23 Package	tps62263_trans
TPS62290	TI	TPS62290 (in Examples\TI\TPS6229x)	2.25MHz 1A Step-Down Converter in 2x2mm SON Package	tps62290_pspice_trans
TPS62291	TI	TPS62291 (in Examples\TI\TPS6229x)	2.25MHz 1A Step-Down Converter in 2x2mm SON Package	tps62291_trans
TPS62293	TI	TPS62293 (in Examples\TI\TPS6229x)	2.25MHz 1A Step-Down Converter in 2x2mm SON Package	tps62293_trans
TPS62410	TI	TPS62410 (in Examples \TI\TPS62410\TPS62410_PSPICE_TRANS)	2.25MHZ 2x800mA Dual Step-Down Converter with 1-Wire Interface in QFN	tps62410_trans
TPS62420_trans	TI	TPS62420 (in Examples \TI\TPS62420\TPS62420_PSPICE_TRANS)	Dual, Adjustable, 600mA and 1000mA, 2.25MHz Step-Down Converter with 1-Wire Interface in QFN	tps62420_trans
TPS62420_avg	TI	TPS62420 (in Examples \TI\TPS62420\TPS62420_PSPICE_AVG)	Dual, Adjustable, 600mA and 1000mA, 2.25MHz Step-Down Converter with 1-Wire Interface in QFN	tps62420_Avg
TPS62560	TI	TPS62560 (in Examples \TI\TPS62560\TPS62560_PSPICE_TRANS)	2.25MHz 600mA Step-Down Converter	tps62560_trans
TPS62561	TI	TPS62561 (in Examples \TI\TPS62561\TPS62561_PSPICE_TRANS)	2.25MHz 600mA Step-Down Converter	tps62561_trans
TPS62562	TI	TPS62562 (in Examples \TI\TPS62562\TPS62562_PSPICE_TRANS)	2.25MHz 600mA Step-Down Converter	tps62562_trans
TPS62590	TI	TPS62590 (in Examples \TI\TPS62590\TPS62590_PSPICE_TRANS)	2.25MHz, 1A Step-Down Converter	tps62590
TPS62650	TI	TPS62650 (in Examples\TI\TPS62650)	800mA 6MHz Step Down Converter	SLVS808
TPS63000	TI	TPS63000 (in Examples\TI\TPS63000)	96% Buck-Boost Converter with 1.8A Current Switches in 3x3 QFN	tps63000_trans
TPS63001	TI	TPS63001 (in Examples\TI\TPS63001)	96% Buck-Boost Converter with 1.7A Current Switches, 3.3V fixed Output voltage in 3x3 QFN	tps63001_trans
TPS63002	TI	TPS63002 (in Examples\TI\TPS63002)	96% Buck-Boost Converter with 1.7A Current Switches, 5V fixed Output voltage in 3x3 QFN	tps63002_trans
TPS63010	TI	TPS63010 (in Examples \TPS63010\TPS63010_PSPICE_TRANS)	High Efficient Single Inductor Buck-Boost Converter with 2-A Switches	tps63010_trans
TPS63010_Avg	TI	TPS63010 (in Examples \TI\TPS63010\TPS63010_PSPICE_AVG	High Efficient Single Inductor Buck-Boost Converter with 2-A Switche	tps63010_Avg

TPS63020	TI	TPS63020 (in Examples \TPS63020\TPS63020_PSPICE_TRANS)	High Efficiency Single Inductor Buck-Boost Converter with 4A Switch	tps63020_trans
TPS63021	TI	TPS63021 (in Examples \TPS63021\TPS63021_PSPICE_TRANS)	High Efficiency Single Inductor Buck-Boost Converter with 4A Switch	tps63021_trans
TPS65193	TI	TPS65193 (in Examples \TPS65193\TPS65193_PSPICE_TRANS)	Dual High-Voltage Scan Driver for TFT-LCD Transient Model	tps65193_trans
TPS65563_0	TI	TI_Power	Integrated Photo Flash Charger and IGBT Driver	tps65563
UA723	TI	TI_Power	Precision Voltage Regulator	UA723Test
UC1524	TI	TI_Power	Advanced Regulating Pulse Width Modulators	UC1524Test
UC1524A	TI	TI_Power	Advanced Regulating Pulse Width Modulators	
UC1525	TI	TI_Power	Advanced Regulating Pulse Width Modulators	
UC1525A	TI	TI_Power	Advanced Regulating Pulse Width Modulators	
UC1637	TI	TI_Power	Switched Mode Controller for DC Motor Drive	UC1637SplitSupply, UC1637SingleSuppl
UC1823	TI	TI_Power	High Speed PWM Controller	UC1823Test
UC1823A	TI	TI_Power	High Speed PWM Controller	
UC1824	TI	TI_Power	High Speed PWM Controller	UC1824Test
UC1825	TI	TI_Power	High Speed PWM Controller	UC1825Test
UC1825A	TI	TI_Power	High Speed PWM Controller	
UC1832	TI	TI_Power	Precision Low Dropout Linear Controlle	UC1832_3_APP
UC1833	TI	TI_Power	Precision Low Dropout Linear Controller - See LoadStep Page	UC1832_3_APP
UC1842	TI	TI_Power	Current Mode PWM Controller	
UC1842A	TI	TI_Power	Current Mode PWM Controller	UC1842StateSpace, UC1842Test
UC1842AS	TI	TI_Power	State Space Average Model	
UC1842S	TI	TI_Power	State Space Average Model	
UC1843	TI	TI_Power	Current Mode PWM Controller	
UC1843A	TI	TI_Power	Current Mode PWM Controller	
UC1843AS	TI	TI_Power	State Space Average Model	UC1843ASTest
UC1843S	TI	TI_Power	State Space Average Model	
UC1844	TI	TI_Power	Current Mode PWM Controller	
UC1844A	TI	TI_Power	Current Mode PWM Controller	
UC1844AS	TI	TI_Power	State Space Average Model	
UC1844S	TI	TI_Power	State Space Average Model	
UC1845	TI	TI_Power	Current Mode PWM Controller	
UC1845A	TI	TI_Power	Current Mode PWM Controller	
UC1845AS	TI	TI_Power	State Space Average Model	
UC1845S	TI	TI_Power	State Space Average Model	
UC1846	TI	TI_Power	Current Mode PWM Controller	UC1846TRAN, UC1846_Package
UC1846SSA	TI	TI_Power	Current Mode PWM Controller State Space Average Mode	
UC1847	TI	TI_Power	Current Mode PWM Controller	
UC1871	TI	TI_Power	Resonant Fluorescent Lamp Driver	UC1871Test
UC1872	TI	TI_Power	Resonant Fluorescent Lamp Ballast Controller	UC1872Test
UC1875	TI	TI_Power	Phase Shift Resonant Controller	UC1875Test
UC1876	TI	TI_Power	Phase Shift Resonant Controller	
UC1901	TI	TI_Power	Isolated Feedback Generator	UC1901
UC1901Avg	TI	TI_Power	Isolated Feedback Generator	UC1901 AVERAGE
UC3842B	On Semi	TI_Power	Current Mode, See UC384x.pdf	
UC3843B	On Semi	TI_Power	Current Mode, See UC384x.pdf	UC3843BFWD
UC3844B	On Semi	TI_Power	Current Mode, See UC384x.pdf	
UC3845B	On Semi	TI_Power	Current Mode, See UC384x.pdf	UC384XFlyback
UC3854Bs	TI	TI_Power	Enhanced High Power Factor Preregulator, State space	UC3854Test
UC3854s	TI	TI_Power	Enhanced High Power Factor Preregulator, State space	
UC39432	TI	TI_Power	Precision Analog Controller Same model for transient and AC simulations	uc39432_app
UCC1806	TI	TI_Power	Low Power, Dual Output, Current Mode PWM Controlle	UCC1806Test
UCC27200	TI	UCC27200 (in Examples \TI\UCC27200)	120V Boot, 3-A Peak, High Frequency, High-Side/Low-Side Drive	UCC27200Test
UCC27201	TI	UCC27201 (in Examples \TI\UCC27201)	120V Boot, 3-A Peak, High Frequency, High-Side/Low-Side Drive	UCC27201Test
UCC28019	TI	TI_Power	Continuous conduction Mode PFC Same model for transient and AC simulations	UCC28019 Packaged, UCC28019Avg
UCC28070	TI	UCC27201 (in Examples \TI\UCC28070)	Two-Phase Interleaved CCM PFC Controller	UCC28070_App
UCC2813-0	TI	UCCX813-0 (in Examples\TI\UCCX813-X)	Low Power Economy BiCMOS Current Mode PWM	uccx813-0
UCC2813-1	TI	UCCX813-1 (in Examples\TI\UCCX813-X)	Low Power Economy BiCMOS Current Mode PWM	uccx813-1
UCC2813-2	TI	UCCX813-2 (in Examples\TI\UCCX813-X)	Low Power Economy BiCMOS Current Mode PWM	uccx813-2
UCC2813-4	TI	UCCX813-4 (in Examples\TI\UCCX813-X)	Low Power Economy BiCMOS Current Mode PWM	uccx813-4
UCC2813-5	TI	UCCX813-5 (in Examples\TI\UCCX813-X)	Low Power Economy BiCMOS Current Mode PWM	uccx813-5
UCC2817	TI	TI_Power	BiCMOS Power Factor Pre Regulator - Average Mode Same model for transient and AC simulations	Startup, Bode
UCC2818	TI	TI_Power	BiCMOS Power Factor Pre Regulator - Average Mode Same model for transient and AC simulations	Startup, Bode
UCC289x_Average	TI	UCC2891_AVG (in Examples\TI\UCC2891AVG)	Current Mode Active Clamp PWM Controller State-Space Average model	UCC289xAvg
UCC2891	TI	TI_Power	Current Mode Active Clamp PWM Controller Generic State-Space Average model simulation provided	UC289X_App, UCC289xAvg
UCC2892	TI	TI_Power	Current Mode Active Clamp PWM Controller Generic State-Space Average model simulation provided	
UCC2893	TI	TI_Power	Current Mode Active Clamp PWM Controller Generic State-Space Average model simulation provided	UC289X_App, UCC289xAvg
UCC2894	TI	TI_Power	Current Mode Active Clamp PWM Controller Generic State-Space Average model simulation provided	UC289X_App, UCC289xAvg
UCC28C40	TI	TI_Power	BiCMOS Current Mode PWM	UCC28C40
UCC28C40s	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28C41	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28C41s	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28C42	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28C42s	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28C43	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28C43s	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28C44	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28C44s	TI	TI_Power	BiCMOS Current Mode PWM	UCC28C4X Average
UCC28C45	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28C45s	TI	TI_Power	BiCMOS Current Mode PWM	
UCC28600	TI	UCC28600	Quasi-Resonant Flyback Green-Mode Controlle	
UCC3800	TI	TI_Power	Low-Power BiCMOS Current-Mode PWM	
UCC3801	TI	TI_Power	Low-Power BiCMOS Current-Mode PWM	
UCC3802	TI	TI_Power	Low-Power BiCMOS Current-Mode PWM Separate State-Space Average model simulation provided	UCC3802, UCC3802EVM Steady State
UCC3803	TI	TI_Power	Low-Power BiCMOS Current-Mode PWM Separate State-Space Average model simulation provided	UCC3803 EVM, UCC3803 EVM average
UCC3804	TI	TI_Power	Low-Power BiCMOS Current-Mode PWM	
UCC3805	TI	TI_Power	Low-Power BiCMOS Current-Mode PWM	
UCC3809-1	TI	TI_Power	Economy Primary Controller	
UCC3809-2	TI	TI_Power	Economy Primary Controller including state space mode Separate State-Space Average model simulation provided	FLYBACKStartup, FLYBACKSteady, FLYBACKLoop
UCC3895_Average	TI	UCC3895Average ((in Examples\TI\UCC3895AV	BiCMOS Advanced Phase Shift PWM Controller Separate State-Space Average model simulation provided	UCCx895_Average
UCC3895	TI	TI_Power	BiCMOS Advanced Phase Shift PWM Controller Separate State-Space Average model simulation provided	UCC3895Test, UCC3895, UCC3895 Transient
Power IC Models	**Vendor**	**Library**	**Part Description**	**Application Schematic File Name**
CS322	On Semi	ON_Power	High Speed PWM Controller	CS322Test
CS324	On Semi	ON_Power	High Speed PWM Controller	CS324Test
CS51220	On Semi	ON_Power	Feed Forward Voltage Mode PWM Controller with Programmable Synchronization	
CS51411	On Semi	ON_Power	1.5A, 260kHz Low Voltage Buck Regulators	CS51411Test
CS5155	On Semi	ON_Power	CPU 5-Bit Synchronous Buck Controller	CS5155Test
CS5165	On Semi	ON_Power	CPU 5-Bit Nonsynchronous Buck Controlle	CS5165Test
CS5171	On Semi	ON_Power	1.5 A 280kHz Boost Positive Feedback Regulators	cs517x.dsn
CS5172	On Semi	ON_Power	1.5 A 280kHz Boost Negative Feedback Regulators	
CS5173	On Semi	ON_Power	1.5 A 560kHz Boost Positive Feedback Regulators	
CS5174	On Semi	ON_Power	1.5 A 560kHz Negative Feedback Boost Regulators	

MC33161	On Semi	ON_Power	Universal Voltage Monitor	MC33161TEST
MC33201	On Semi	ON_Linear	Low Voltage, Rail-to-Rail, Single Operational Amplifie	MC3320XACTEST
MC33202	On Semi	ON_Linear	Low Voltage, Rail-to-Rail, Single Operational Amplifie	
MC33204	On Semi	ON_Linear	1V, Rail-to-Rail, Single Operational Amplifie	
MC33262	On Semi	ON_Power	Power Factor Controller	MC33262Test
MC33363	On Semi	ON_Power	High Voltage Switching Regulato	AF2
MC33501	On Semi	ON_Linear	1V, Rail-to-Rail, Single Operational Amplifie	MC3350XACTEST
MC33502	On Semi	ON_Linear	1V, Rail-to-Rail, Single Operational Amplifie	
MC33503	On Semi	ON_Linear	1V, Rail-to-Rail, Single Operational Amplifie	
MC34063	On Semi	ON_Power	3.4A, Step-Up/Down/Inverting Switching Regulato	MC34063 PSPICE, MC34063BUCKBOOSTTes
MC34163	On Semi	ON_Power	3.4A, Step-Up/Down/Inverting Switching Regulato	MC34163Test
NCP100	On Semi	ON_Power	Adjustable 0.9-6V ±1.7% Output Voltage 0.1-20mA Shunt Regulator	NCP100ACTest, NCP100PULSETest, NCP100SERIESPASS
NCP1000	On Semi	ON_Power	Fixed-100kHz Switching Regulator with 700V / 0.5A Switch	NCP1000Test
NCP1000A	On Semi	ON_Power	Fixed-100kHz Switching Regulator with 700V / 0.5A Switch, average model	NCP1000AVG#1, NCP1000AVG#2, NCP1000AVGTEST
NCP1001	On Semi	ON_Power	Fixed-100kHz Switching Regulator with 700V / 1A Switc	
NCP1002	On Semi	ON_Power	Fixed-100kHz Switching Regulator with 700V / 1.5A Switc	
NCP1203AV	On Semi	ON_Power	PWM Current-Mode Controller average mode	
NCP1203P100	On Semi	ON_Power	100kHz PWM Current-Mode Controller for Universal Off-Line Supplies	
NCP1203P40	On Semi	ON_Power	40kHz PWM Current-Mode Controller for Universal Off-Line Supplies	NCP1203
NCP1203P60	On Semi	ON_Power	60kHz PWM Current-Mode Controller for Universal Off-Line Supplies	
NCP1400ASN19T1	On Semi	ON_Power	Up to 100mA, 1.9V, 180kHz Boost PWM Switching Regulator with Enable	NCP1400ASN19Test
NCP1400ASN30T1	On Semi	ON_Power	Up to 100mA, 3.0V, 180kHz Boost PWM Switching Regulator with Enable	NCP1400ASN30Test
NCP1400ASN50T1	On Semi	ON_Power	Up to 100mA, 5.0V, 180kHz Boost PWM Switching Regulator with Enable	NCP1400ASN50Test
NCP1570	On Semi	ON_Power	Low Voltage Synchronous Buck Controller	NCP1570Test
NCP1571	On Semi	ON_Power	Low Voltage Synchronous Buck Controlle	NCP1571Test
NCP1653	On Semi	ON_Power	Compact, Fixed−Frequency, Continuous Conduction Mode PFC Controller	Switching
NCP1653Avg	On Semi	ON_Power	Compact, Fixed−Frequency, Continuous Conduction Mode PFC Controller	Average
NCV4269	On Semi	ON_Power	Micropower 150mA LDO Linear Regulator	NCV4269 Line Transient, NCV4269 LoadTransient, NCV4269
NCV8403	On Semi	ON_Power	Self-Protected Low Side Driver with Temp and Current Limit, 42V, 14/	NCV8403Test
TL431	On Semi	ON_Power	Adjustable 2.5-36V +/-1% Tolerance 1-100mA Shunt Regulato	LDOREGULATOR
TLV431	On Semi	ON_Power	Low Voltage Precision Adjustable Shunt Regulator	LDOREGULATOR, TLV431Test
HA16163	Renesas	Renesas	Synchronous Phase Shift Full-Bridge Control IC, 480 kHz, See Application Circuit.pdf	
LM4562	National	Nat_Linear	Dual-performance, high-fidelity audio operational amplifie	
LM117	National	Nat_LDO	3-terminal adjustable regulator	LM117, LM177_AC
LM78S40	National	Nat_Power	Universal Switching Regulator Subsysten	78S40Test
LP2953	National	National_LDO	Adjustable Micropower Low-Dropout Voltage Regulator, See LP2953A.pdf	LM2953ATest
TNY256	PI	PI_Power	*TinySwitch* with line under-voltage lockout, auto-restart	TNY256Test
Semiconductors	**Vendor**	**Library**	**Part Description**	**Application Schematic File Name**
FETs *: 57034, 57130, 57230, IRF7466, IRF6216, IRF8113, IRF7828, IRF7832, IRF7834, IRFRC20	IR	IR_Semi	Power Mosfets, See Improved Mosfet Model.pdf	
CMPD2004, CMPD3003, CMPD6001, CMDSH2-3, CMDSH-3, CMPD6263, CMHSH5-4, CMHSH5-2L, CMSH1-40M, CMSH1-60M, CMSH5-40, CMSH5-60, CMSH2-40M, CMSH2-60M, CSHD10-45L	CS	CS_Diodes	Diodes, General	
CCL0035, CCL0130, CCL0300, CCL0500, CCL0750, CCL1000, CCL1500, CCL2000, CCL2700, CCL3500, CCL4500, CCL5750, CCLH080, CCLH100, CCLH120, CCLH150	CS	CS_Current_Diodes	JFET Current Regulators	
CMPTA44, CMPTA94, CMPT404A, CJD44H11	CS	CS_BJTs	BJTs	
Mi1020T	Marlow	Misc	Thermal-Electro Cooler, See TEC.pdf	
53259, 53111, 53124, 53253, 53250	Micropac	Micropac_Relays	Solid-State Relays, Switches, See 53111.pdf & 53250.pdf	53111Test, 53250Test
8CLJQ045_Sub	IR	IR_Semi	Power Schottky, See 8CLJQ045.pdf	
RHRP1540, RHRP1560	Fairchild	Misc	Soft Recovery Diode	
SSR8045P	SSDI	Misc	Power Schottky	
SFH615A-1, SFH615A-2, SFH615A-3, SFH615A-4	Vishay	Vishay	Optocoupler, Hi-Rel 5300Vrms	
SFH610A-1, SFH610A-2, SFH610A-3, SFH610A-4	Vishay	Vishay	Optocoupler, Hi-Rel 5300Vrms	
MOC8101, MOC8107, MOC8108	Fairchild	Misc	Optocoupler, Hi-Rel 5300Vrms	
6N136, 6N137	Everlight	Misc	Optocoupler, Hi-Speed 5000Vrms	
CNY17F-1, CNY17F-2, CNY17F-3, CNY17F-4	Fairchild	Misc	Optocoupler, Hi-Rel 5300Vrms	
Misc BJTs *: MPS750, MMBT2222ALT1, MMBT2907A, PN2222A, 2N2907A, 2N2222A, MMBT3904TT1, 2N4401		Misc	BJTS	
Misc FETs *: MTD1N60E, MTD3022T4, HAT2168H, HAT2167H, HUF75345S3S, Si7415DN, PH2525L, PH5525L, HAT2165, Si7846DP, FDS6898A, SI4866DY, SI4862DY, Si7366DP, Si7866ADP, SI4840DY, Si7860ADP, Si7880ADP		Misc	Power Mosfets	
Misc Diodes *: 1N4001, 1N4148, 1N5617, 1N5806, 1N5819, 1N6642US, 1N752a, 30BQ040, B240, BAS16L, BAS19, BAS21, BAT54H, BAT54S, BAT54T1, BZX84C12, BZX84C13, BZX84C5V1, BZX84C8V2, ES1A-ES1M, KBPC806, KBPC808, MA2ZD18, MBR140p2, MBR1645, MBR20100CT, MBR320, MBR330, MBR340, MBR350, MBR360, MBRS330T3, MUR1620, MUR260,				

Misc LEDs: 0p2W_Red_LED, 0p2W_White_LED, 0p5W_Red_LED, 0p5W_White_LED, LTST-C150GKT, GM1JS35200, TLRF1060, LT1E40A, GM5SAE30P0A		Misc	LEDs	
Magnetics	**Vendor**	**Library**	**Part Description**	**Parameters**
MP55xxx	Magnetics	AEiMPP55	Molypermalloy Powder core models, Part numbers 55014 - 55933	
MP58xxx	Magnetics	AEiMPP58	High Flux powder core models, Part numbers 58018 - 58933	
MPP	Generic	Mags	Molypermalloy Powder (MPP) core model. See also MP55 Series	N= # of turns U= Permeability AL= Inductance reference of the core mHy/1000T^2 LM=Magnetic Path Length in cm DCR=Series resistance in ohms IC=Initial Conditions
MPP2	Generic	Mags	High Flux powder core model. See also MP58 Series	N= # of turns U= Permeability AL= Inductance reference of the core mHy/1000T^2 LM=Magnetic Path Length in cm DCR=Series resistance in Ohms
Core	Generic	Mags	Generic Saturable Core model. See Magnetics Modeling.pdf Ex. VSEC=25U IVSEC=-25U LMAG=10MHY LSAT=20UHY FEDDY=25KHZ	VSEC=Core Capacity in Volt-Sec IVSEC Initial Condition in Volt-Sec LMAG Magnetizing Inductance in Henries LSAT Saturation Inductance in Henries FEDDY Frequency when LMAG Reactance = Loss Resistance in Hz
CoreX	Generic	Mags	Generic Saturable Core model. See Magnetics Modeling.pdf	ACORE=Magnetic cross section area in cm2 LPATH=Magnetic path length in cm FEDDY=Frequency when Lmag Reactance=Loss resistance UMAX=Maximum Permeability, dB/dH USAT=Saturation Permeability, dB/dH BR=Flux density in gauss at H = 0 for saturated B-H loop BI=Initial Flux density, default = 0 N=Number of Turns
CorewHyst	Generic	Mags	Generic Saturable Core model. See Magnetics Modeling.pdf Ex. SVSEC=25U IHYST=10m IVSEC=1 LMAG=10MHY LSAT=20UHY RFEDDY=25KHZ	SVSEC=Volt-sec at Saturation = BSAT • AE • N IVSEC=Volt-sec Initial Condition = B • AE • N LMAG=Unsaturated Inductance = µO µR • N2 • AE / LM LSAT=Saturated Inductance = µO • N2 • AE / LM IHYST=Magnetizing I @ 0 Flux = H • LM / N REDDY=Eddy Current Loss Resistance
Transformers	Generic	Mags	Transformers, Various topologies, 1:1, Center tapped, etc.	Series resistance and turns ratio
Generic Models				
Sandler State Space Average Models	**Vendor**	**Library**	**Description**	**Parameters**
Flyback	Generic	PowerSS	State Space average model for Flyback converters.	L=Primary inductance in Henries NC=Current transformer turns ratio NP=Power transformer turns ratio F=Switching frequency in Hz EFF=Efficiency RB=Current transformer burden resistor in ohms TS=Propagation delay time in the current loop in secs
Forward	Generic	PowerSS	State Space average model for Forward converters.	L=Primary inductance in Henries NC=Current transformer turns ratio NP=Power transformer turns ratio F=Switching frequency in Hz EFF=Efficiency RB=Current transformer burden resistor in ohms TS=Propagation delay time in the current loop in secs
Boost	Generic	PowerSS	State Space average model for Boost converters.	L=Primary inductance in Henries F=Switching frequency in Hz NC=Current transformer turns ratio NP=Power transformer turns ratio EFF=Efficiency RB=Current transformer burden resistor in ohms TS=Propagation delay time in the current loop in secs
Basso PWM Switching Models	**Vendor**	**Library**	**Description**	**Parameters**
PWMCCMVM	Generic	Basso	PWM switching model	RE=Parasitic resistance in Ohms
PWMDCMVM	Generic	Basso	PWM switching model	L=Primary inductance in Henries FS=Switching frequency in Hz
PWMVM	Generic	Basso	PWM switching model	L=Primary inductance in Henries FS=Switching frequency in Hz RE=Parasitic resistance in Ohms
PWMCM	Generic	Basso	PWM switching model	L=Primary inductance in Henries FS=Switching frequency in Hz RI=Current Sense Element SE=External ramp in V/s
PWMBCMVM	Generic	Basso	PWM switching model	L=Primary inductance in Henries
PWMBCMCM	Generic	Basso	PWM switching model	L=Primary inductance in Henries RI=Current Sense Element
PWMBCMCM2	Generic	Basso	PWM switching model	L=Primary inductance in Henries RI=Current Sense Element
Other Generic Models	**Vendor**	**Library**	**Part Description**	**Parameters**
CPWR	Generic	Misc	Constant Power Load	VKnee=Load is resistive below knee and then constant power for all voltages above that Power=Constant Power
Swhyste	Generic	Misc	Switch with hysteresis	Ron=On Resistance Roff=Off resistance VT=Threshold voltage (On/Off @ VT+VH, VT-VH) VH=Hysteresis voltage
CAT5	Generic	Misc	Category 5 Cable	L=Length in meters
DBEHAV	Generic	Misc	Soft Recovery Diode, See subcircuit netlist for more information	IS1, TM, TAU, RMO, VTA, CAP, ISE
Tant,	Generic	TantCap	Tantalum Capacitor Model with and w/o Initial Conditions, See Capacitor.pdf	C= capacitance ESR1K= ESR at 1kHz ESL=Series Inductance RLEAK=Leakage Resistance IC=Initial Conditions
DeadDrv	Generic	Dead	Dead Time for Synchronous Rectification, variable output voltage	DT = Dead time in seconds
DeadSync	Generic	Dead	Dead Time for Synchronous Rectification	DT = Dead time in seconds RS = GateUpper to SourceUpper resistance