

PSPICE 6.3 z 中的器件模型

* This is a reduced version of MicroSim's standard parts libraries. Some components from several

* 1 types of component libraries have been included here.

* The following is a summary of parts in this library:

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Part name	Part type
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* Q2N2222	NPN bipolar transistor
* Q2N2907A	PNP bipolar transistor
* Q2N3904	NPN bipolar transistor
* Q2N3906	PNP bipolar transistor
* D1N750	zener diode
* MV2201	voltage variable capacitance diode
* D1N4002	power diode
* D1N4148	switching diode
* MBD101	switching diode
* J2N3819	N-channel Junction field effect transistor
* J2N4393	N-channel Junction field effect transistor
* IXGH40N60	N-channel Insulated Gate Bipolar Transistor
* LM324	linear operational amplifier
* LF411	linear operational amplifier
* UA741	linear operational amplifier
* LM111	voltage comparator
* K3019PL_3C8	ferroxcube pot magnetic core
* K502T300_3C8	ferroxcube pot magnetic core
* K528T500_3C8	ferroxcube pot magnetic core
* KRM8PL_3C8	ferroxcube pot magnetic core
* IRF150	N-type power MOS field effect transistor
* IRF9140	P-type power MOS field effect transistor
* PAL20RP4B	Programmable Logic Device
* A4N25	optocoupler
* 2N1595	silicon controlled rectifier
* 2N5444	Triac

*	555D	555 timer subcircuit
*		
*	Sw_tOpen,Sw_tClose	Time Dependent Switch Models
*		
*	P/L2C	Coupled, equal, lumped T-section tline
*	P/L2C_A	Coupled, unequal, lumped T-section tline
*	P/LS	Uncoupled (single), lumped tline
*	P/T2C	Coupled, equal, distributed tline
*	P/T2C_A	Coupled,unequal,distributed(asymmetrical) tline
*	P/TS	Uncoupled (single), distributed tline
*		
*	ESC2_B	Pentium Mercury set IBIS I/O model
*		
*	54152A	MULTIPLEXER/DATA SELECTOR 8-1 LINE
*	7400	Quadruple 2-input Positive-Nand Gates
*	7401	Quadruple 2-input Positive-Nand Gates with
*		Open-Collector Outputs
*	7402	Quadruple 2-input Positive-Nor Gates
*	7403	Quadruple 2-input Positive-Nand Gates with
*		Open-Collector Outputs
*	7404	Hex Inverters
*	7405	Hex Inverters with Open-Collector Outputs
*	7406	Hex Inverter Buffers/Drivers with
*		Open-Collector High-Voltage Outputs
*	7407	Hex Buffers/Drivers with Open-Collector
*		High-Voltage Outputs
*	7408	Quadruple 2-input Positive-And Gates
*	7409	Quadruple 2-input Positive-And Gates with
*		Open-Collector Outputs
*	7410	Triple 3-input Positive-Nand Gates
*	74100	8-Bit Bistable Latches
*	74107	Dual J-K Flip-Flops with Clear
*	74109	Dual J-KBar Positive-Edge-Triggered Flip-Flops
*	7411	Triple 3-input Positive-And Gates
*	74S11	S-series TTL Triple 3-input Positive-AND gates
*	74110	And-Gated J-K Master-Slave Flip-Flops with Data
*		Lockout
*	74111	Dual J-K Master-Slave Flip-Flops with Data
*		Lockout
*	7412	Triple 3-input Positive-Nand Gates with
*		Open-Collector Outputs
*	74121	Non-retriggerable Monostable Multivibrator
*		w/Schmitt-Trigger Inputs
*	74122	Retriggerable Monostable Multivibrator

*	74123	Retriggerable Monostable Multivibrator
*	74125	Quadruple Bus Buffer with 3-state Outputs
*	74126	Quadruple Bus Buffer with 3-state Outputs
*	74128	Line Drivers
*	7413	Dual 4-input Positive-Nand Schmitt Triggers
*	74132	Quadruple 2-input Positive-Nand Schmitt Trigger
*	74136	Quadruple 2-input Exclusive-Or Gates with
*		Open-Collector Outputs
*	7414	Hex Schmitt-Trigger Inverters
*	74147	PRIORITY ENCODER 10-4 LINE
*	74148	PRIORITY ENCODER 8-3 LINE
*	74151A	MULTIPLEXER/DATA SELECTOR 8-1 LINE
*	74153	DUAL 4-LINE TO 1-LINE DATA
*		SELECTORS/MULTIPLEXERS
*	74154	DECODER/DEMULTIPLEXER 4-16 LINE
*	74155	DECODER/DEMULTIPLEXER 2-4 LINE
*	74156	DECODER/DEMULTIPLEXER 2-4 LINE WITH
*		OPEN COLLECTOR OUTPUTS
*	74157	QUADRUPLE 2-LINE TO 1-LINE DATA
*		SELECTORS/MULTIPLEXERS
*	74159	DECODER/DEMULTIPLEXER 4-16 LINE WITH
*		OPEN-COLLECTOR OUTPUTS
*	7416	Hex Inverter Buffers/Drivers with
*		Open-Collector High-Voltage Outputs
*	74160	Synchronous 4-bit Decade Counters with
*		asynchronous clear
*	74161	Synchronous 4-bit Binary Counter with Direct
*		Clear
*	74162	Synchronous 4-bit Decade Counters with
*		synchronous clear
*	74163	Synchronous 4-bit Binary Counter
*	74164	8-BIT PARALLEL-OUT SERIAL SHIFT REGISTERS
*	7417	Hex Buffers/Drivers with Open-Collector
*		High-Voltage Outputs
*	74173	REGISTERS D-TYPE 4-BIT WITH 3-STATE OUTPUTS
*	74174	HEX D-TYPE FLIP-FLOPS WITH CLEAR
*	74175	QUADRUPLE D-TYPE FLIP-FLOPS WITH CLEAR
*	74176	35MHz Presettable Decade and Binary
*		Counter/Latch
*	74177	35MHz Presettable Decade and Binary
*		Counter/Latch
*	74178	4-BIT PARALLEL-ACCESS SHIFT REGISTER
*	74179	4-BIT PARALLEL-ACCESS SHIFT REGISTER
*	74180	PARITY GENERATOR/CHECKER ODD/EVEN 9-BIT

*	74181	ALU / FUNCTION GENERATOR
*	74182	LOOK-AHEAD CARRY GENERATOR
*	74184	BCD-TO-BINARY CONVERTERS
*	74185A	BINARY-TO-BCD CONVERTERS
*	74194	4-BIT BIDIRECTIONAL UNIVERSAL SHIFT REGISTERS
*	74195	4-BIT PARALLEL-ACCESS SHIFT REGISTERS
*	74196	4-Bit Presettable Decade Counter/Latch
*	74197	4-Bit Presettable Binary Counter/Latch
*	7420	Dual 4-input Positive-Nand Gates
*	7422	Dual 4-input Positive-Nand Gates with Open-Collector Outputs
*	7423	Dual 4-input Nor Gates with Strobe
*	74246	DECODER/DRIVER BCD-7 SEGMENT WITH OPEN-COLLECTOR OUTPUTS
*	74248	DECODER/DRIVER BCD-7 SEGMENT WITH INTERNAL PULLUPS
*	74249	DECODER/DRIVER BCD-7 SEGMENT WITH OPEN-COLLECTOR OUTPUTS
*	7425	Dual 4-input Nor Gates with Strobe
*	74251	MULTIPLEXER/DATA SELECTOR 8-1 LINE WITH 3-STATE OUTPUTS
*	74259	8-BIT ADDRESSABLE LATCHES
*	7426	High-Voltage Interface Positive-Nand Gates
*	74265	QUAD. COMPLEMENTARY-OUTPUT ELEMENTS
*	7427	Triple 3-input Positive-Nor Gates
*	74273	OCTAL D-TYPE EDGE-TRIGGERED FLIP-FLOPS WITH CLEAR
*	74276	QUADRUPLE J-K FLIP-FLOPS
*	74278	PRIORITY REGISTERS 4-BIT CASCADABLE
*	74279	QUADRUPLE SBAR-RBAR LATCHES
*	7428	Quadruple 2-input Positive-Nor Buffers
*	74283	4-BIT BINARY FULL ADDERS WITH FAST CARRY
*	74290	COUNTER DECADE 4-BIT, ASYNCHRONOUS
*	74293	COUNTER BINARY 4-BIT, ASYNCHRONOUS
*	74298	MULTIPLEXERS QUAD 2-INPUT WITH STORAGE
*	7430	8-input Positive-Nand Gates
*	7432	Quadruple 2-input Positive-Or Gates
*	7433	Quadruple 2-input Positive-Nor Buffers w/ Open-Collector Outputs
*	74351	DUAL DATA SELECTOR/MULTIPLEXER WITH 3-STATE OUTPUTS
*	74365A	Hex Bus Drivers with 3-STATE Outputs
*	74366A	Hex Bus Drivers with 3-STATE Outputs
*	74367A	Hex Bus Drivers with 3-STATE Outputs

*	74368A	Hex Bus Drivers with 3-STATE Outputs
*	7437	Quadruple 2-input Positive-Nand Buffers
*	74376	Quadruple J-K Flip-Flops
*	7438	Quadruple 2-input Positive-Nand Buffers
*		w/ Open-Collector Outputs
*	7439	Quadruple 2-input Positive Nand Buffers with
*		Open-Collector Outputs
*	74390	COUNTER DECADE 4-BIT, ASYNCHRONOUS
*	74393	COUNTER BINARY 4-BIT, ASYNCHRONOUS
*	7440	Dual 4-input Positive-Nand Buffers
*	74425	Quadruple Bus Buffers with 3-STATE Outputs
*	74426	Quadruple Bus Buffers with 3-STATE Outputs
*	7442A	DECODER BCD-DECIMAL 4-10 LINE
*	7443A	DECODER EXCESS-3-DECIMAL 4-10 LINE
*	7444A	DECODER GRAY-DECIMAL 4-10 LINE
*	7445	DECODER/DRIVER BCD-DECIMAL WITH OPEN COLLECTOR
*		OUTPUTS
*	7446A	DECODER/DRIVER BCD-7 SEGMENT WITH
*		OPEN-COLLECTOR OUTPUTS
*	7448	DECODER/DRIVER BCD-7 SEGMENT WITH INTERNAL
*		PULLUPS
*	7449	DECODER/DRIVER BCD-7 SEGMENT WITH
*		OPEN-COLLECTOR OUTPUTS
*	74490	COUNTER DECADE 4-BIT, ASYNCHRONOUS
*	7450	Dual 2-wide 2-input And-Or-Invert Gates
*	7451	And-Or-Invert Gates
*	7453	Expandable 4-wide And-Or-Invert Gates
*	7454	4-wide And-Or-Invert Gates
*	7460	Dual 4-input Expanders
*	7470	And-Gated J-K Positive-Edge-Triggered
*		Flip-Flops with Preset & Clear
*	7472	And Gated J-K Master-Slave
*		Flip-Flops with Preset and Clear
*	7473	Dual J-K Flip-Flops with Clear
*	7474	Dual D-Type Positive-Edge-Triggered
*		Flip-Flops with Preset and Clear
*	7475	4-bit bistable latches (dual 2-bit common
*		clock4-bit bistable latches)
*	7476	Dual J-K Flip-Flops with Preset and Clear
*	7477	4-bit bistable latches
*	7482	2-BIT BINARY FULL ADDERS
*	7483A	4-BIT BINARY FULL ADDERS WITH FAST CARRY
*	7485	4-BIT MAGNITUDE COMPARATOR
*	7486	Quadruple 2-input Exclusive-Or Gates

*	7491A	8-BIT SHIFT REGISTERS
*	7492A	COUNTER DIVIDE-BY-12 4-BIT, ASYNCHRONOUS
*	7493A	COUNTER BINARY 4-BIT, ASYNCHRONOUS
*	7494	4-BIT SHIFT REGISTERS
*	7495A	4-BIT PARALLEL SHIFT REGISTERS
*	7496	8-BIT PARALLEL-OUT SERIAL SHIFT REGISTERS

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