Circuit Schematic Symbols

Reproduced from: http://library.thinkquest.org/10784/circuit_symbols.html

Note: The schematics symbols for most major electrical components can be found in this table. However, each component may have numerous possible representations. In cases where there is more than one common symbol we have tried to give an alternate representation.

COMPONENT	SYMBOL	ALTERNATE
Ammeter	(A)	
And Gate		
Antenna, Balanced	7	
Antenna, General	Y	Y
Antenna, Loop, Shielded	(^)	
Antenna, Loop, Unshielded	Ω	
Antenna, Unbalanced	Y	Y
Attenuator, Fixed	\$	
Attenuator, Variable	*	
Battery	- <u>1</u> <u>+</u>	
Capacitor, Feedthrough	4	
Capacitor, Fixed, Nonpolarized	-) -	
Capacitor, Fixed, Polarized	→ +	
Capacitor, Ganged, Variable	**	
Capacitor, General	\neg	

<u> </u>			÷.,
Capacitor, Variable, Single	}		
Capacitor, Variable, Split-Stator	1441		
Cathode, Cold	Î		
Cathode, Directly Heated	\cap		
Cathode, Indirectly Heated			
Cavity Resonator	-60-		
Cell	<u> </u>		
Circuit Breaker			1 T 1
Coaxial Cable	 		
Crystal, Piezoelectric	$\neg \Box \vdash$		
Delay Line	\rightarrow	-m-	
Diode, General			
Diode, Gunn	+		
Diode, Light-Emitting	→ 1/2		1 1 1 1 1
Diode, Photosensitive	→		
Diode, Photovoltaic	→		***
Diode, Pin			
Diode, Varactor	→		
Diode, Zener	*		
<u> </u>		2 40 2 40 2 40 2	100

\(\text{\Sigma}\)	↔
→	
≺	
	—
	+
<u>G</u>	1
	<i>/</i>
±	
Ω_	
<u> </u>	
\sim	
======================================	
- 	
-m-	
- <i>^</i>	
⊳	
Î⊕–	

;			
Jack, Phone, 2-Conductor			
Jack, Phone, 2-Conductor Interrupting	<u></u> T T T T T T T T T T T T T		
Jack, Phone, 3-Conductor	<u></u>		
Jack, Phono	Î⊕		
Key, Telegraph	_3_		
Lamp, Incandescent	0		
Lamp, Neon	\bigoplus		
Male Contact, General	\rightarrow		
Microphone	D=		
Nand Gate	\Rightarrow		
Negative Voltage Connection			
Nor Gate	\supset		
Operational Amplifier	⇒		
Or Gate	\supset		
Outlet, Utility, 117-V			
Outlet, Utility, 234-V			
Photocell, Tube	₿		
Plug, Phone, 2-Conductor	ŕ		
Plug, Phone, 3-Conductor	ı ☐ —		
⁷ 3. + *3. + *3. +*3. +*3. +*3. +*3. +*3. +*3.	P\$ 3. \$2 3. \$2	3 -52 3 -52	5 44 5

Plug, Phono	\rightarrow	
Plug, Utility, 117-V	•	
Plug, Utility, 234-V		ĺ
Positive Voltage Connection	 ∘+	
Potentiometer	-^_	-yv\$-
Probe, Radio-Frequency	\dashv	
Rectifier, Semiconductor	→	
Rectifier, Silicon-Controlled	₩	
Rectifier, Tube-Type	1	
Relay, DPDT	₩Ŵ	
Relay, DPST	∰Ů Ů	
Relay, SPDT		
Relay, SPST		
Resistor	-^\\\-	
Resonator	$\stackrel{\sim}{\sim}$	
Rheostat	- ^\	-yw\^-
Saturable Reactor	===	
Shielding		
Signal Generator	\bigcirc	
<u>. \$4.5. \$4.5. \$4.5. \$4.5. \$4.5. \$4.5. \$4.5.</u>	#1 8. #1 8. #1	8 48 8 48 8 48 8 3

		· Caire Caire Caire Ca
Speaker	<u> </u>	Œ
Switch, DPDT	- 7. 7.	
Switch, DPST	2.5	
Switch, Momentary-Contact	_ -	
Switch, Rotary	0°0 0 0 + 0 0 0	ĺ
Switch, SPDT	- <u>F</u>	İ
Switch, SPST	<i>_</i> 5	
Terminals, General, Balanced		
Terminals, General, Unbalanced	—o	
Test Point		İ
Thermocouple	\rightarrow	>>>>
Thyristor	7	
Transformer, Air-Core	35	
Transformer, Iron-Core	311	ĺ
Transformer, Tapped Primary	311	İ
Transformer, Tapped Secondary	3115	
Transistor, Bipolar, npn	Q	
Transistor, Bipolar, pnp	-	
Transistor, Field-Effect, N-Channel	()	

