

Recommended Reference Designator Prefix

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Background

The reference designator usually consists of one or two letters followed by a number, e.g. R32, IC4. The number is sometimes followed by a letter(s), indicating that components are grouped or matched with each other.

There are several industry standards for reference designator construction, like IEC 60617, IEEE 200-1975 , ASME Y14.44-2008. The table below lists designator letters (Prefix) used in Quick-teck and does not comply with the standard.

Item	Component catalog	Designator
1	Resistor	R
2	Resistor Network	RP
3	Potentiometer/Variable resistor/Breakdown diode	VR
4	Thermister	TR
5	Capacitor	CN
6	Capacitor network	E
7	Inductor/Coil/Bead/Ferrite bead	L
8	Diode/Schottky diode	D
9	Zener diode	Z
10	Transistor	Q
11	Transformer	T
12	Thermocouple	TC
13	LED	LED
14	Hardware module	U
15	Intergrate circuit	IC
16	Operational amplifier	OP
17	Fuse	F
18	Switch/Push button	SW
19	Crystal/Osscillator/Magnet ostriction	X
20	Test point	TP
21	Buzzer	BUZZ
22	Speaker	SPK
23	Display/Lamp	DS
24	Battery	BT
25	Micorphone	MIC
26	Relay/Contactor	K
27	Jumper/Link	JP
28	Jack/Female connector	J
29	Plug/Male connector	P
30	Wireless antenna	ANT
31	Blower/motor	M