

## Recommended Reference Designator Prefix

### Terms of using this article

This article is primarily for internal use in Quick-teck. Now we decided to open it up publicly. We try to ensure the information in this are as accurate as possible, but please be aware we don't take any responsibility for anything that results from this article. You're using this at your own risk.

### 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