Component Type	Naming Convention	Notes	Example	Manufacturer Priority
Resistor	VAL PACKAGE TOL% POWER(W)	Resistor value: XYXX, X is value digit, Y is multiplier (R,K,M,etc.) -PACKAGE should be SMD package name or TH for thru-hole -Wattages should be fractional	4K7 0805 1% 1/4W	
Capacitor	VAL PACKAGE TOL% RATING(V) TEMP COEFF	Capacitor Value: XYXX, X is value digit, Y is multiplier (nF,uF,pF,etc.)	4uF7 0603 +/- 10/20% 50V X7R	
Inductors	VAL FREQ PACKAGE TOL%	Inductor Value: XYXX, X is value digit, Y is multiplier (nH, uH, pH)	1uH 300KHz 2-SMD, 20%	
Standard/Schottky Diodes	TYPE Vrev PACKAGE POWER(W)		SCHOTTKY 100V 1W	
Zener/TVS Diodes	TYPE Vbkdn POWER(W)	TYPE = Zener or TVS. Power Rating: XYXX, X is value digit, Y is multiplier (W, mW, kW)	ZENER 15V 1W5	
LEDs	COLOR PACKAGE XYXX ABBA	Forward Voltage: XYXX X is value digit, Y is multiplier (V, mV) Power Rating:	BLUE 0603 1V7 25mA	

		Max Forward Current: ABAA, A is value digit, B is multiplier (A, mA)		
MOSFETs	TYPE Vgs(th) MODE PACKAGE Rds(on)	MODE: depletion or enhancement	NMOS 2.7V DEP SOT-23 4.7mOhm	
BJTs	TYPE Ic(max) PACKAGE		PNP 1A SOT-23-6	
Fuses	TYPE Imax PACKAGE		PTC 2A 1812	
Switches/Buttons	TYPE CONTROL Vmax	TYPE: rocker, pushbutton, etc.	ROCKER SPDT 125V	
Non-Generic	MFR_MFRPN#	MFR is abbreviated manufacturer name MFRPN# is the manufacturer (not Digi-Key!) part number, with packaging numbers excluded (ex. *TN* for "Tape n' Reel")	TI_ADS1148IPW (trailing R removed because it means "Reel")	N/A

Resistor Value:
1R00
1K00
1M00

Tolerance notation:
- Symmetrical ex. +/-5% -> 5%
- Asymmetrical ex. +10%/-20% -> +/- 10/20%