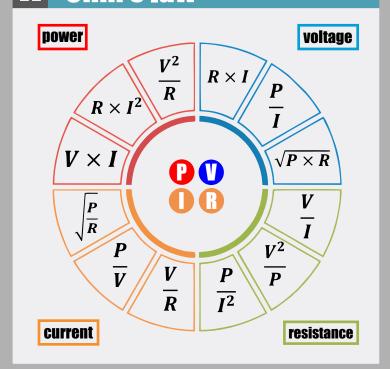
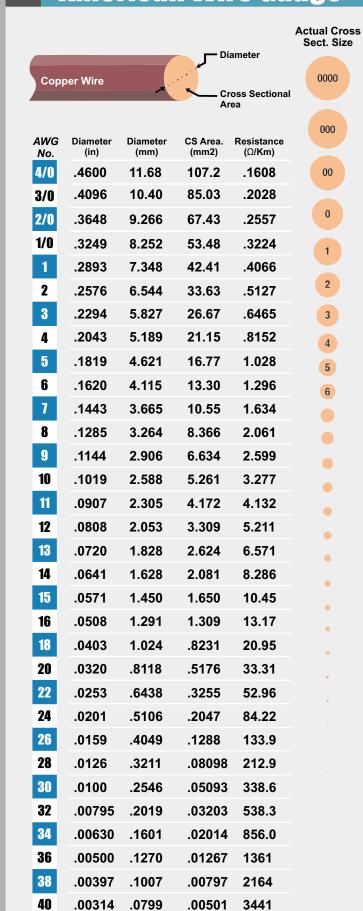
BELIEVE IN YOURSELF

ELECTRONIC CHEAT SHEET

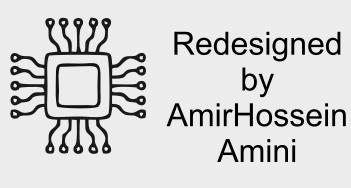




American Wire Gauge



Custom information

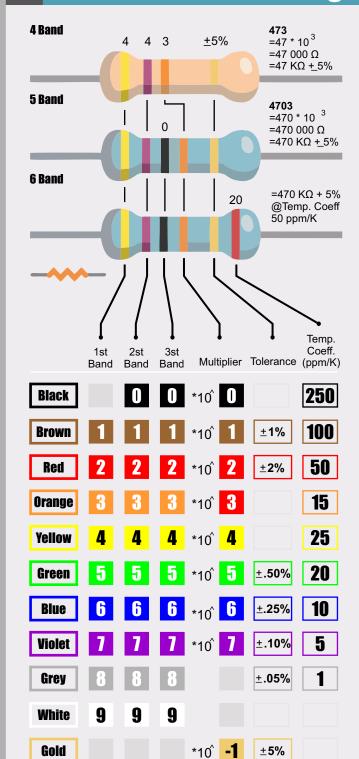


M Gmail amir.electronic.1382@gmail.com

O)

@Amirhossseinamini

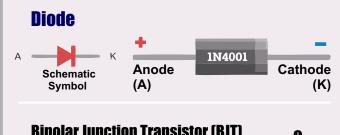
Resistor color Coding

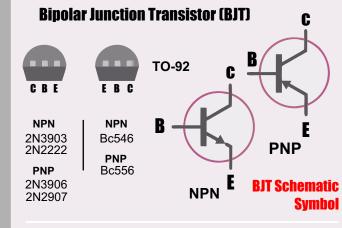


Diodes and Transistors

*10[^] **-2** ±10%

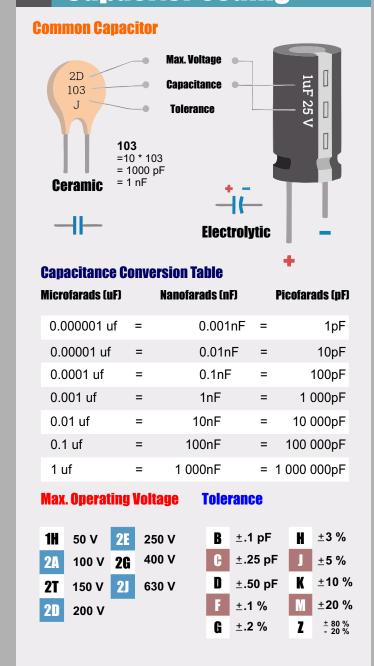
Silver



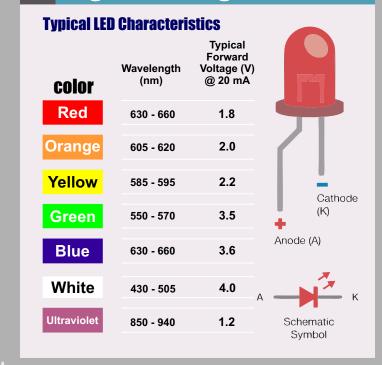


	0 ,
MOS Field Effect Tran	sistor (MOSFET) D
D G S S G D	G
N-channel P-channel BS250	S P-channel
SOT-23 G S	N-channel Enhancement Mode MOSFET Schematic Symbol
N-channel 2N7002	Component pinout shown are the

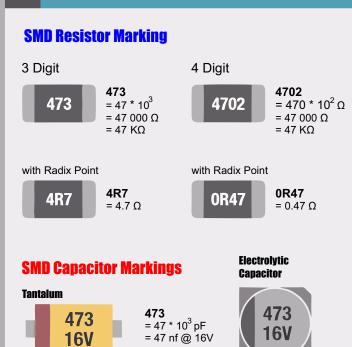
≒ Capacitor coding



Light Emitting Diode (LED)



Surface Mount Devices (SMD)

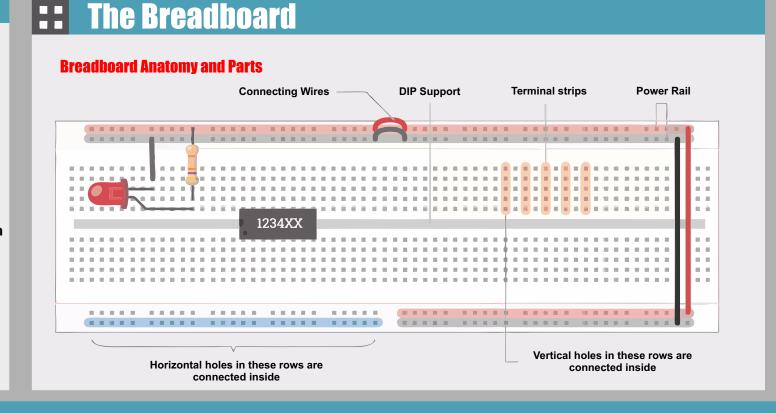


 $= 47 * 10^3 pF$

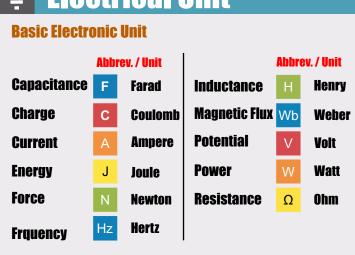
= 47 nf @ 16V

device manufacturer. Refer to the specific device datasheet to be sure.

most common and may still vary per



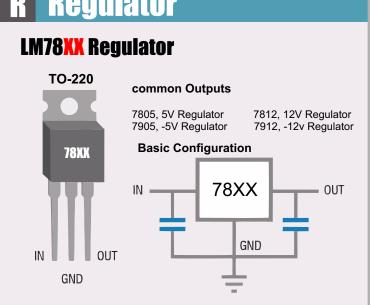
+ Electrical Unit



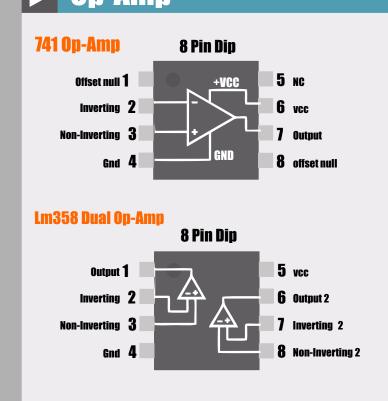
M Metric Prefixes

Tera-	T	*10 ¹²	1 000 000 000 000
Giga-	G	*10°	1 000 000 000
Mega-	M	*10 ⁶	1 000 000
Kilo	K	*10 ³	1 000
Hecto-	Н	*10 ²	100
Deka-	Da	*10 ¹	10
(base)	-	*10⁰	1
Deci-	d	*10 ⁻¹	0.1
Centi-	С	*10 ⁻²	0.01
Milli-	m	*10 ⁻³	0.00 1
Micro-	IJ	*10⁻ੰ	0.00 000 1
Nano-	n	*10 ⁻⁹	0.00 000 000 1
Pico-	р	*10 ⁻¹²	0.00 000 000 000 1

Regulator



► Op-Amp



5 555 IC



