[https://www.digikey.in/product-detail/en/texas-instruments/PTN78020WAZ/296-20517-ND/764203?cur=INR&lang=en#](https://www.digikey.in/product-detail/en/texas-instruments/PTN78020WAZ/296-20517-ND/764203?cur=INR&lang=en) - PTN78020WAZ switching voltage regulator (footprint available)

<https://www.mouser.in/ProductDetail/KEMET/C1210C225K3RACTU?qs=z33Fpd7anBAhlenijKrsIg%3D%3D> – 2.2uF ceramic capacitor (footprint available)

<https://www.mouser.in/ProductDetail/Panasonic/EEE-FK1E331P?qs=%2Fha2pyFadui0%2FPgHTOUQDJynrE7IFi%252BjmOTAxkIRKL4%3D> - 330uF capacitors (footprint available)

<https://www.mouser.in/ProductDetail/KEMET/C1210C105K5RAC?qs=9vIIaYqkCm4eGEZw1UwaQA==> - 1uF ceramic capacitor (footprint available)

<https://www.mouser.in/ProductDetail/Panasonic/ERJ-2RKF6041X?qs=sGAEpiMZZMu61qfTUdNhG6gKAQVNBKOo5d0IZ4miIwQ%3D> – 6.04K ohm thick film resistor (footprint available)

<https://www.digikey.in/product-detail/en/panasonic-electronic-components/ERJ-1GNF6800C/P123124CT-ND/8343187> – 680 ohm thick film resistor (footprint available)

<https://www.mouser.in/ProductDetail/Molex/22-27-2031?qs=sGAEpiMZZMs%252BGHln7q6pm%252BS0pk2Wo0XxndcUoWleoGk%3D> -3 head male pcb connector (for servo motor connections)

<https://www.digikey.in/product-detail/en/PRT-10371/1568-1933-ND/9657949/?itemSeq=315148655> - 6 head male pcb connector (pwm pins)  
  
  
<https://www.digikey.com/product-detail/en/sparkfun-electronics/PRT-10370/1568-1932-ND/9657948> - 6 pin 2.54mm jumper connector

<https://www.digikey.com/products/en?WT.z_cid=sp_900_0310_buynow&keywords=0151360206> - 2 pin 3A wire connector

<https://www.digikey.com/products/en?WT.z_cid=sp_900_0310_buynow&keywords=0430450213> - 2 pin 3A PCB connector (footprint available)

<https://www.digikey.in/product-detail/en/0430450213/WM2648-ND/1635000/?itemSeq=315148671> – 2 pin 8A PCB connector

<https://www.digikey.in/product-detail/en/2451320210/WM15764-ND/6565371/?itemSeq=315148662> - 2 pin 4A wire connector

<https://www.digikey.in/product-detail/en/2074790002/WM26145-ND/9959532/?itemSeq=315148654> - 2 pin 8A PCB connector

<https://www.digikey.in/product-detail/en/0369210202/WM26634-ND/10249527/?itemSeq=315148653> - 2 pin 8A wire connector

https://www.digikey.in/short/zcd379 - Final BOM

**Important links-**

<https://www.4pcb.com/trace-width-calculator.html> - PCB calculator  
  
Fusion360 X Eagle - <https://www.youtube.com/watch?v=S8U09Pj1m6M>