FDL-3 AUTO TAIL BOM

Item	Quantity	Link
Hardware		
6-32 x 3/8" Machine Screw	18	https://www.mcmaster.com/91249A146
6-32 x 1/2" Machine Screw	9	https://www.mcmaster.com/91249A148
6-32 x 1" Machine Screw	1	https://www.mcmaster.com/91249A159
6-32 Nut	2	https://www.mcmaster.com/91841A007
4-40 1-1/4" Hex Screw	7	https://www.mcmaster.com/92196A034
4-40 Nylon Lock Nut	7	https://www.mcmaster.com/91831A005
10-32 x 3/8" Set Screw Knurled End	1	https://www.mcmaster.com/93445A385
M3x6 Hex Screw	8	https://www.mcmaster.com/91290A111
Spring (Papermate InkJoy)	1	https://www.amazon.com/gp/product/B01EB6E3EC
M3x6 Csnk Hex Screw	2	https://www.mcmaster.com/92125A126
6-32 x 3/8" Thumb Screw	2	https://www.mcmaster.com/91185A261
DC Pusher Motor		
25D Geared Motor ~1000RPM	1	https://www.pololu.com/product/3202
22ga Silicon Wire Red/Black Pair	35cm	https://www.amazon.com/gp/product/B07DZZ83H6
JST Female Housing	1	https://www.pololu.com/product/1934
JST Female Crimp Connector	2	https://www.pololu.com/product/1934
3/32" Heat Shrink Red	1.5"	(link unavailable - purchased locally)
3/32" Heat Shrink Black	1.5"	(link unavailable - purchased locally)
1/8" Heat Shrink Black	1" x 2	(link unavailable - purchased locally)
DCP PCB		
DCP PCB	1	https://projectfdl.myshopify.com/products/fdl-3-pcbs
N Channel Mosfet	1	https://www.digikey.com/products/en?keywords=IRLU3410PBF-ND
P Channel Mosfet	1	https://www.digikey.com/products/en?keywords=IRFU5505PBF-ND
Flyback Diode	1	https://www.digikey.com/product-detail/en/on-semiconductor/UF400
NPN Transistor	1	https://www.digikey.com/products/en?keywords=2N4401-ND
Header Male 2 Pin	5	https://www.pololu.com/product/965
Header Male 3 Pin	1	https://www.pololu.com/product/965
Header Female 10 Pin	1	https://www.digikey.com/product-detail/en/sullins-connector-solution
Resistor 1k 1/4W 6mm	1	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/
Resistor 10k 1/4W 6mm	4	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/
Resistor 100k 1/4W 6mm	1	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/
Resistor 4.7k 1/4W 6mm	1	https://www.digikey.com/product-detail/en/stackpole-electronics-inc/
Control PCB		
CTR PCB	1	https://projectfdl.myshopify.com/products/fdl-3-pcbs
Sparkfun Microview	1	https://www.sparkfun.com/products/12923
Rotary Encoder w/ Switch	1	https://www.digikey.com/products/en?keywords=PEC11R-4215K-S0
Tactile Switch Right Angle	6	https://www.digikey.com/products/en?keywords=450-1661-ND
Buzzer	1	https://www.digikey.com/product-detail/en/cui-inc/CEM-1201-50/102
Single Position DIP switch	1	https://www.digikey.com/products/en?keywords=732-3831-5-ND
NPN Transistor	1	https://www.digikey.com/products/en?keywords=2N4401-ND
Header Male 10 Pin	1	https://www.pololu.com/product/965
Header Female 8 Pin	2	https://www.digikey.com/product-detail/en/sullins-connector-solution
Resistor 1k 1/4W 3.5mm	4	https://www.digikey.com/product-detail/en/te-connectivity-passive-pr
Resistor 4.7k 1/4W 3.5mm	1	https://www.digikey.com/products/en?keywords=A105934CT-ND%E
PWR Switch		

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Item	Quantity	Link
Power Switch 10A	1	https://www.digikey.com/products/en?keywords=RD1113112R-ND
Precrimped Wire Black 12" F-F	2	https://www.pololu.com/product/1850
Crimp Connector Housing 2 Pin	2	https://www.pololu.com/product/1901
1/8" Heat Shrink Black	1" x 2	(link unavailable - purchased locally)
ESC Extension		
12" Servo Extension F-F	1	https://www.pololu.com/product/780
12V Extension		
22ga Silicon WIre Red/Black Pair	28cm	https://www.amazon.com/gp/product/B07DZZ83H6
JST Female Housing	2	https://www.pololu.com/product/1934
JST Female Crimp Connector	4	https://www.pololu.com/product/1934
Pusher Switch F		
Microswitch	1	https://www.digikey.com/products/en?keywords=P10864S-ND
Precrimped Wire Gray 12" F-F	2	https://www.pololu.com/product/1848
Crimp Connector Housing 2 Pin	1	https://www.pololu.com/product/1901
1/16" Heat Shrink Black	1" x 2	(link unavailable - purchased locally)
Pusher Switch R		
Microswitch	1	https://www.digikey.com/products/en?keywords=P10864S-ND
Precrimped Wire Green 6" F-F	2	https://www.pololu.com/product/1815
Crimp Connector Housing 2 Pin	1	https://www.pololu.com/product/1901
1/16" Heat Shrink Black	1" x 2	(link unavailable - purchased locally)
Trigger Button		
Trigger Switch	1	https://www.digikey.com/products/en?keywords=SW151-ND
Precrimped Wire Orange 6" F-F	2	https://www.pololu.com/product/1813
Crimp Connector Housing 2 Pin	1	https://www.pololu.com/product/1901
1/8" Heat Shrink Black	1" x 2	(link unavailable - purchased locally)