

Description	Name
ICs	
3.3v regulator	NCP1117LPST33T3G
STM32F070CBT6 microcontroller	STM32F070CBT6
Connectors	
3-pin header	732-5316-ND
2-pin header	732-5315-ND
USB-B connector	ED2983-ND
DB15 connector	1-1734530-1
5-pin header	732-5318-ND
Passives	
RED LED (1206)	160-1167-1-ND
BLUE LED (1206)	160-1643-1-ND
650 Ohm resistor (1210)	P649AACT-ND
650 Ohm resistor (1210)	P649AACT-ND
10K Ohm resistor (1210)	RMCF1210FT10K0
8MHz 20pf Crystal (HC49/US)	XC1526CT-ND
20pF Capacitor (1812)	399-7272-1-ND
0.1uF Capacitor (1812)	399-9854-1-ND
10uF capacitor (radial can, 4.30mm x 4.30mm, 4.00mm dia)	PCE3878CT-ND
Mechanical	
Push button (6mm x 6mm)	450-1650-ND

Sheet1

Symbols	Quantity per	1 Total (1)	
U1	1	0.48	\$0.48
U2	1	\$2.52	\$2.52
J1	1	\$0.13	\$0.13
J4	1	\$0.13	\$0.13
J5	1	\$0.58	\$0.58
J6	1	\$1.98	\$1.98
J7	1	\$0.25	\$0.25
D1	1	\$0.37	\$0.37
D2	1	\$0.39	\$0.39
R1, R2	2	\$0.25	\$0.50
R1, R2	2	\$0.25	\$0.50
R3	1	\$0.16	\$0.16
Y1	1	\$1.12	\$1.12
C1, C5	2	\$1.67	\$3.34
C2, C3, C4, C6, C12	5	\$0.75	\$3.75
C8, C11	2	\$0.28	\$0.56
SW1	1	\$0.10	\$0.10
Total (1):			\$16.86

Sheet1

10 Total (10)		25 Total (25)		50 Total (50)		100
\$0.40	\$0.40	\$0.40	\$0.40	\$0.40	\$0.40	\$0.27
\$2.27	\$2.27	\$2.27	\$2.27	\$2.27	\$2.27	\$1.83
\$0.11	\$0.11	\$0.09	\$0.09	\$0.08	\$0.08	\$0.07
\$0.11	\$0.11	\$0.09	\$0.09	\$0.08	\$0.08	\$0.07
\$0.55	\$0.55	\$0.50	\$0.50	\$0.44	\$0.44	\$0.42
\$1.80	\$1.80	\$1.69	\$1.69	\$1.62	\$1.62	\$1.55
\$0.21	\$0.21	\$0.18	\$0.18	\$0.18	\$0.18	\$0.14
\$0.27	\$0.27	\$0.20	\$0.20	\$0.20	\$0.20	\$0.14
\$0.28	\$0.28	\$0.24	\$0.24	\$0.24	\$0.24	\$0.19
\$0.22	\$0.44	\$0.22	\$0.44	\$0.22	\$0.44	\$0.09
\$0.22	\$0.44	\$0.22	\$0.44	\$0.22	\$0.44	\$0.09
\$0.14	\$0.14	\$0.14	\$0.14	\$0.14	\$0.14	\$0.06
\$0.99	\$0.99	\$0.99	\$0.99	\$0.93	\$0.93	\$0.82
\$1.33	\$2.66	\$1.33	\$2.66	\$1.33	\$2.66	\$1.00
\$0.56	\$2.80	\$0.56	\$2.80	\$0.56	\$2.80	\$0.38
\$0.19	\$0.38	\$0.19	\$0.38	\$0.19	\$0.38	\$0.11
\$0.10	\$0.10	\$0.09	\$0.09	\$0.09	\$0.09	\$0.08
Total (10):	\$13.95	Total (25):	\$13.60	Total (50):	\$13.39	Total (100):

Sheet1

Total (100)	250 Total (250)		500 Total (500)		1000 Total (1000)	
\$0.27	\$0.27	\$0.27	\$0.20	\$0.20	\$0.15	\$0.15
\$1.83	\$1.83	\$1.83	\$1.50	\$1.50	\$1.25	\$1.25
\$0.07	\$0.07	\$0.07	\$0.07	\$0.07	\$0.07	\$0.07
\$0.07	\$0.07	\$0.07	\$0.07	\$0.07	\$0.07	\$0.07
\$0.42	\$0.39	\$0.39	\$0.37	\$0.37	\$0.31	\$0.31
\$1.55	\$1.40	\$1.40	\$1.29	\$1.29	\$1.20	\$1.20
\$0.14	\$0.14	\$0.14	\$0.14	\$0.14	\$0.12	\$0.12
\$0.14	\$0.10	\$0.10	\$0.09	\$0.09	\$0.07	\$0.07
\$0.19	\$0.15	\$0.15	\$0.11	\$0.11	\$0.10	\$0.10
\$0.18	\$0.09	\$0.18	\$0.09	\$0.18	\$0.04	\$0.08
\$0.18	\$0.09	\$0.18	\$0.09	\$0.18	\$0.04	\$0.08
\$0.06	\$0.06	\$0.06	\$0.06	\$0.06	\$0.03	\$0.03
\$0.82	\$0.82	\$0.82	\$0.78	\$0.78	\$0.78	\$0.78
\$2.00	\$1.00	\$2.00	\$0.75	\$1.50	\$0.75	\$1.50
\$1.90	\$0.38	\$1.90	\$0.31	\$1.55	\$0.31	\$1.55
\$0.22	\$0.11	\$0.22	\$0.08	\$0.16	\$0.07	\$0.14
\$0.08	\$0.08	\$0.08	\$0.08	\$0.08	\$0.06	\$0.06
\$10.12 Total (250):		\$9.86 Total (500):		\$8.33 Total (1000):		\$7.56

Part number URL

NCP1117LPS <https://www.digikey.com/product-detail/en/on-semiconductor/NCP1117LPST33T3G/NC497-15099-NC>
497-15099-NC <https://www.digikey.com/product-detail/en/stmicroelectronics/STM32F070CBT6/497-15099-NC>

732-5316-ND <https://www.digikey.com/product-detail/en/wurth-electronics-inc/61300311121/732-5316-ND>
732-5316-ND <https://www.digikey.com/product-detail/en/wurth-electronics-inc/61300211121/732-5316-ND>
ED2983-ND <https://www.digikey.com/product-detail/en/on-shore-technology-inc/USB-B1HSB6/ED2983-ND>
A35116-ND <https://www.digikey.com/product-detail/en/te-connectivity-amp-connectors/1-1734530-A35116-ND>
732-5318-ND <https://www.digikey.com/product-detail/en/wurth-electronics-inc/61300511121/732-5318-ND>

160-1167-1-N <https://www.digikey.com/product-detail/en/lite-on-inc/LTST-C150CKT/160-1167-1-ND/160-1167-1-N>
160-1643-1-N <https://www.digikey.com/product-detail/en/lite-on-inc/LTST-C150TBKT/160-1643-1-ND/160-1643-1-N>
P649AACT-ND <https://www.digikey.com/product-detail/en/panasonic-electronic-components/ERJ-14NF649AACT-ND>
P649AACT-ND <https://www.digikey.com/product-detail/en/panasonic-electronic-components/ERJ-14NF649AACT-ND>
RMCF1210FT <https://www.digikey.com/product-detail/en/stackpole-electronics-inc/RMCF1210FT10K/RMCF1210FT>
XC1526CT-ND <https://www.digikey.com/product-detail/en/ecs-inc/ECS-80-20-5PXDU-TR/XC1526CT-ND>
399-7272-1-N <https://www.digikey.com/product-detail/en/kemet/C1812C200JCGACTU/399-7272-1-N>
399-9854-1-N <https://www.digikey.com/product-detail/en/kemet/C1812C104KDRAC7800/399-9854-1-N>
PCE3878CT-ND <https://www.digikey.com/product-detail/en/panasonic-electronic-components/EEE-1CA3878CT-ND>

450-1650-ND <https://www.digikey.com/product-detail/en/te-connectivity-alcoswitch-switches/182591C450-1650-ND>

CP1117LPST33T3GOSCT-ND/3462387
5099-ND/5051734

6-ND/4846825
5-ND/4846823
983-ND/2677744
1/A35116-ND/1279829
8-ND/4846831

269239
/573584
F6490U/P649AACT-ND/384862
F6490U/P649AACT-ND/384862
0/RMCF1210FT10K0CT-ND/1942840
VD/1693695
D/3439465
-ND/3726199
.100SR/PCE3878CT-ND/766254

)-6/450-1650-ND/1632536