

Atmega32u4 breakout BOM

assumed to be qty 25 boards				
part	digikey p/n	cost	qty (per board at 25 boards)	total
atmega32u4	ATMEGA32U4- MU-ND	3.7896	1	3.7896
NX5032GA- 16.000000MHZ- LN-CD-1	644-1037-1-ND	0.702	1	0.702
18pf load capacitor	399-1112-1-ND	0.0442	2	0.0884
ucap	311-1457-1-ND	0.044	1	0.044
decoupling cap	311-1457-1-ND	0.044	1	0.044
decoupling cap for 3.3 vreg out	311-1457-1-ND	0.044	1	0.044
22 res	RMCF0805JT22R00	0.0114	2	0.0228
3.3 vreg	MCP1801T- 3302I/OTCT-ND	0.35	1	0.35
usb connector	609-4053-1-ND	0.775	1	0.775
bootload buttom	450-1129-ND	0.2096	1	0.2096
header pins	SAM1112-32-ND	3.085	1	3.085
PCB	n/a	3.35	1	3.35
total				12.5044