

Basic

MSK 002 Asuka and Shinji BOM cost estimate

Buying everything outright, just for one project

		Mouser	FPE	OSHpark	
0.47uF 0.4" film capacitors	10	3.990			
0.1uF axial ceramic capacitors	2	0.496			
1N4001 or similar silicon rectifiers	2	0.304			
MJ-3536 type panel jack socket	4	6.920			
2x5 Eurorack power header	1	0.386			
Generic PNP transistor	2	0.552			
Generic NPN transistor	2	0.552			
1k resistor	2	0.276			
6.8k resistor	4	0.552			
10k resistor	2	0.276			
47k resistor	2	0.276			
100k resistor	2	0.276			
680k resistor	6	0.828			
P260 100k log panel pot	4	21.040			
P260 100k linear panel pot	2	10.520			
Generic 8-pin dual op amp	1	0.938			
PCBs	2			47.98	
Panel	1		60.15		
Knobs	6	4.220			
Power cable	1	2.000			
Shipping		20.000	30.76		
					TOTAL
TOTAL		74.402	90.91	47.98	213.292

Bulk Buy

MSK 002 Asuka and Shinji BOM cost estimate

Buying everything for 20 modules

		Mouser	FPE	Elecrow	
0.47uF 0.4" film capacitors	200	59.000			
0.1uF axial ceramic capacitors	40	9.920			
1N4001 or similar silicon rectifiers	40	5.040			
MJ-3536 type panel jack socket	80	108.800			
2x5 Eurorack power header	20	5.220			
Generic PNP transistor	40	9.000			
Generic NPN transistor	40	9.000			
1k resistor	40	2.480			
6.8k resistor	100	2.800			
10k resistor	40	2.480			
47k resistor	40	2.480			
100k resistor	40	2.480			
680k resistor	120	3.360			
P260 100k log panel pot	80	357.600			
P260 100k linear panel pot	40	194.800			
Generic 8-pin dual op amp	20	15.740			
PCBs	40			47.76	
Panel	20		842.13		
Knobs	120	70.200			
Power cable	20	40.000			
Shipping			30.76	13.41	
TOTAL		900.400	872.89	61.17	1834.46
PER MODULE		45.020	43.645	3.058	91.723

IHALOP

MSK 002 Asuka and Shinji BOM cost estimate

"I Have A Lot Of Parts" scenario

		Mouser	FPE	OSHpark	
0.47uF 0.4" film capacitors	10	3.990			
0.1uF axial ceramic capacitors	2				
1N4001 or similar silicon rectifiers	2				
MJ-3536 type panel jack socket	4				
2x5 Eurorack power header	1				
Generic PNP transistor	2				
Generic NPN transistor	2				
1k resistor	2				
6.8k resistor	4				
10k resistor	2				
47k resistor	2				
100k resistor	2				
680k resistor	6				
P260 100k log panel pot	4	21.040			
P260 100k linear panel pot	2	10.520			
Generic 8-pin dual op amp	1				
PCBs	2			47.98	
Panel	1		60.15		
Knobs	6				
Power cable	1				
Shipping		20.000	30.76		
TOTAL		55.55	90.91	47.98	TOTAL 194.44