Number of Units										
75										

Indepth Calculations of Materials

Notes	Source	Item	Price per Item	Amount Sold per Item	Amount Needed per Unit	Total Cost per Unit	Total Amount Needed	Total Items Needed	Amount of Items to Buy	Total Cost for All Units
Check Raspberry Pi's Website for Where to Buy	Adafruit	Raspberry Pi Pico W	$6.00	1	1	$6.00	75	75.00	75	$450.00
Any will do	Adafruit	5V 2.5A Power Supply with MicroUSB cable	$7.43	1	1	$7.43	75	75.00	75	$557.25
Many different suppliers, find best deal; get extras	Amazon	8 digit Max7219 7-segment display	$11.99	5	1	$2.40	75	15.00	16	$191.84
Needs to be able to fit in the case	Adafruit	Female to Female Jumper Wires (75 mm)	$3.56	40	5	$0.45	375	9.38	10	$35.60
Inexact calculations based on 48" x 24" sheets; **Buy cast acrylic instead of extruded acrylic: extruded acrylic will often yellow at the edges while cutting, while cast acrylic will not.**	Falken Design	0.0625" clear cast acrylic	$20.99	174	4	$0.48	300	1.72	2	$41.98
	Falken Design	0.125" blue cast acrylic	$36.99	174	10	$2.13	750	4.31	4	$147.96
Clear screws are for aesthetics only; recommended to be 35 mm or longer	Amazon	40 mm M5-0.8 Clear Nut and Bolt Set	$20.60	60	4	$1.37	300	5.00	6	$123.60
Any will do; optional but recommended	Amazon	Rubber Feet Pads	$5.09	64	4	$0.32	300	4.69	10	$50.90
Make sure it is 2.54 mm pitch	Amazon	10 Pin 2.54 mm Pitch Male Headers	$4.99	10	1	$0.50	75	7.50	8	$39.92
		Total				$20.57				$1,599.13