

		Qty	Total	Location	Purpose	Notes
Hardware	M2 x 4mm Philips	4	4	4 Rear Case	Data plate fastners	
	M2 x 5mm Philips	3	3	3 Front Housing	RP2040 fastners	
	M2.5 x 20mm Caphead	12	12	12 Display adaptor	Fixes adaptor to front housing	
	M2.5 x 6mm Caphead	3	3	3 Front Housing	Fixes Pi 3B to Housing	
	M3 x 4mm Philips	4	4	4 Front Cover	Fixes LCD and LCD front cover to DSKY front cover	
	M3 x 10mm Caphead	16	16	16 Front Housing	Fixes front housing to IDM Plate	Washer required
		16	32	Rear case	Fixes rear case to IDM plate	Washer required
	M3 x 20mm Caphead	6	6	LCD rear	Fixes lcd rear cover to display adaptor	Washer required
		6	12	Indicator Body	Fixes indicators to display adaptor	Washer required
	M3 x 30mm Caphead	10	10	Keyboard	Fixes keyboard upper and lower to front housing	Washer required
	M3 x 40mm Caphead	8	8	Front Cover	Fixes front cover to front housing	Washer required
	M4 x 20mm Caphead	2	2	IDM plate	Fixes IDM plate to front housing	Washer required
	M4 x 10mm Philips	1	1	IDM plate	Topmost screw	Guess earth strap on real thing?
	M3 Washers	62	62	Where Indicated		
	M2 Washers	2	2	Where Indicated		
	M2 Heatset	4	4	Rear case	Data plate fastners	From CNC Kitchen
	M2 Heatset	3	7	Front Housing	RP2040 fastners	From CNC Kitchen
	M2.5 Heatset	3	3	Front Housing	Pi 3B fastners	From CNC Kitchen
		12	15	Front Housing	Fixes adaptor to front housing	From CNC Kitchen
	M3 Heatset - SHORT	4	4	Front Cover	Fixes LCD and LCD front cover to DSKY front cover	From CNC Kitchen
	M3 Heatset	8	8	Front Housing	Fixes front cover to Front housing	From CNC Kitchen
		8	16	Front Housing	Fixes front housing to IDM Plate	From CNC Kitchen
		3	19	Front Housing	Fixes Pi 3B to Housing	From CNC Kitchen
		10	29	Front Housing	fixes keyboard upper and lower to front housing	From CNC Kitchen
		6	35	Display Adaptor	Fixes lcd rear cover to display adaptor	From CNC Kitchen
		6	41	Display Adaptor	fixes indicators to display adaptor	From CNC Kitchen
		16	57	IDM Plate	Fixes rear case to IDM plate	From CNC Kitchen
	M4 Heatset	10	10	Front Housing	Only 2 used (central l/r ) for fixing IDM plate to front housing	From CNC Kitchen
		1	11	IDM Plate	Topmost screw	From CNC Kitchen
Electronics	Pi 3B+ or higher	1	1	Front Housing	Runs Virtual AGC and interface python scripts	
	Pi Pico RP2040	1	1	Front Housing	Runs miropython script acting as HID device for keyboard. Connects via USB to Pi3B+	
	Nextion 4.3" Screen NX4827P043-011C	1	1	Front Cover	Runs custom TFT file with EL display layout and fonts. Connected to 5v GND, Uart TX / RX on Pi3B+ GPIO	<a href="https://www.amazon.co.uk/dp/B0B9GVFJQL">https://www.amazon.co.uk/dp/B0B9GVFJQL</a> Requires Interface & Speaker connectors desoldering and power and UART cables soldering in place
	Neopixels RGB WS2812B	28	28	Indicator Main Body	2 Per indicator. Lights up dependant on virtual AGC output	<a href="https://www.amazon.co.uk/dp/B088K8DVMQ">https://www.amazon.co.uk/dp/B088K8DVMQ</a> Power connected in parallel, straight from power jack, and data line connected in serial to GPIO on Pi3B+
	Cherry MX Blue Switches	19	19	Keyboard lower	DSKY Keyboard	Wired together in matrix and connected to RP2040.
	Signal Diode (IN4148)	19	19	Keyboard lower	Prevents erroneous keypresses	Part of keyboard matrix - see circuit diagram
	Power Jack	1	1	IDM plate	Power in	11m Dia hole.
Miscellaneous	Perspex	1	1	Indicators	Indicator 'Glass'	1.4 x 58.2 x 99.7mm
	White Styrene Sheet	1	1	Indicators	Indicator Diffuser	0.25 x 58.2 x 99.7mm
	Laser OHP / Acetate Sheet	1	1	Indicators	Labeling	0.12 x 58.2 x 99.7mm
	Aluminium sheet	1	1	Rear Case	Data Plate	Custom - made to fit.

	Aluminum Washer	1	1 IDM Plate	Aero connector washer	Custom - made to fit.
	Multipin Bayonet Aero Connector	1	1 IDM Plate	Aero / MIL connector	Shell Size 18. As many pins as possible - 85 is the actual count.
	Laser cut key caps	19	19 Keys	Key Legends	Need to be sourced from somewhere - I had mine from an OpenDSKY Kit.
<b>Printed Parts</b>	Front Cover	1	1 Attached to front housing	DSKY Front Cover.stl	Grey PLA. Print front face down on bed
	Front Housing	1	1 Attached to IDM Plate ontop of IDM Gasket	DSKY Front Housing.stl	Grey PLA. Print flange side down with supports.
	Display Gasket	1	1 Between Front Housing and Display Adaptor	DSKY Display Gasket.stl	White PLA. Print flat side down
		1	2 Between Display adaptor and Indicator / LCD	DSKY Display Gasket.stl	White PLA. Print flat side down
	Display Adaptor	1	1 On top of Gasket attached to Front Housing	DSKY Display Adaptor.stl	Grey PLA
	Indicator Main	1	1 On top of Gasket attached to Display Adaptor, LHS	DSKY Indicators - Main Body.stl	Grey PLA. Order of inserts: Perspex, Grid, OHP Acetate with Labels, Styrene, Light Wells
	Light Wells	1	1 Inserted into Indicator Main	DSKY Indicator Light Wells.stl	Black PLA. 2 Neo Pixels per Well
	LCD Rear	1	1 On top of Gasket attached to Display Adaptor, RHS	DSKY LCD Rear Cover.stl	Grey PLA
	LCD Front Cover	1	1 Sits on top of Nextion Display.	DSKY LCD Cover.stl	Grey PLA. Friction fit around LCD, Slides into DSKY Front cover. Print with larger side toward bed, with supports.
	Keyboard Upper	1	1 Upper sits on top of Lower	DSKY Keyboard Upper Mount v2.stl	Black PLA
	Keyboard Lower	1	1 Lower attaches to Front Housing	DSKY Keyboard Lower Mount v2.stl	Black PLA. 10 M3 Screws pass through both
	Keyboard Keys	19	19 Pass through Upper Mount, attaches to MX switch	Dsky Key Cap.stl	Black PLA.
	IDM Gasket	1	1 Sits between front housing and IDM Plate	New DSKY IDM Gasket v4.stl	White PLA
	IDM Plate	1	1 Sits Between front housing and Rear case with Gaskets inbetween	DSKY IDM Plate.stl	Black PLA. Holds Power Jack and Multipin Aero Connector. Print with cutouts toward bed, with supports
	Rear Gasket	1	1 Sits between IDM and Rear case	DSKY Rear Gasket v1.stl	White PLA
	Rear Case	1	1 Attached to IDM plate with rear gasket inbetween	DSKY Rear Case.stl	Black PLA. Print with flange toward bed, with supports