

BOM for Single Raspberry Pi Controlled LED Panel Weather App

SCH Ref Part Name	Part Description	Product Link	Qty
PCB1	Pi-to-Panel Adapter PCB	JLCPCB.com	1
	Raspberry Pi 3 B+ (kit)	Amazon Link	1
	32x64 RGB LED Panel Display	Amazon Link (old)	1
	Alternative Panel	Adafruit (3mm spacing)	1
	Alternative Panel	Adafruit (5mm spacing)	1
IC1, IC2, IC3, IC4	Logic Voltage Level Converter (3.3V to 5v)	Amazon Link	4
J1	Female Header Connector (2 x 4x2, 16 pins total)	Amazon Link	2
J2	Male Pin Headers (long equal length pins)	Amazon Link	1
J3	Tall Stacking Header Connector (40 pins, 20x2)	Amazon Link	1
	Ribbon Cable (40 pins wide, 1.27mm spacing)	Amazon Link	1
	Ribbon Cable Female Connector (40 pins, 20x2)	Amazon Link	1
	DC Power Connectors (male and female)	Amazon Link	1
optional	64GB SD Card for Raspberry Pi	Amazon Link	1
optional	Raspberry Pi Zero W (kit)	Amazon Link	1
optional	Rubber USB and Plug Protectors	Amazon Link	1
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