

Qty	Part ID	Description	Digi-Key MFR P/N	Digi-Key P/N	Mouser P/N	Alternate
<b>576NUC+ FujiNet BOARD</b>						
4	C1,C4,C5,C8	CAP 0.1UF CERAMIC 50V RADIAL	C322C104K5R5TA7301	399-9877-1-ND	80-C322C104K5R-TR	
2	C2,C7	CAP 1UF ALUM 20% 35V RADIAL	UMF1V010MDD1TP	493-10230-1-ND	647-UMF1V010MDD1TP	
2	C3,C6	CAP 10UF ALUM 20% 6.3V RADIAL	UMA0J100MCD2	493-13406-ND	647-UMA0J100MCD2	
5	R1,R4,R5,R6,R8	RES 2K OHM 1/8W 5% CF AXIAL	CFR-25JB-52-2K	2.0KQBK-ND	603-CFR-25JB-52-2K	
1	R2	RES 33K OHM 1/8W 5% CF AXIAL	CFR-25JB-52-33K	33KQBK-ND	603-CFR-25JB-52-33K	
1	R3	RES 1.2K OHM 1/8W 5% CF AXIAL	CFR-25JB-52-1K2	1.2KQBK-ND	603-CFR-25JB-52-1K2	
1	R7	RES 3.9K OHM 1/8W 5% CF AXIAL	CFR-25JB-52-3K9	3.9KQBK-ND	603-CFR-25JB-52-3K9	
1	RN1	RES ARRAY 9 RES 10K OHM 10SIP	4610X-101-103LF	4610X-1-103LF-ND	652-4610X-1LF-10K	
2	D1,D2	DIODE SCHOTTKY 40V 350MA DO35	BAT48	497-2512-1-ND	511-BAT48	
3	D3,D4,D5	LED-3MM R/A Holder Black Nylon	H-101C-1	492-2502-ND	749-H-101C-1	
1	D3	LED-3MM WHITE DIFFUSED	NTE30149	2368-NTE30149-ND		
1	D4	LED-3MM BLUE DIFFUSED	NTE30148	2368-NTE30148-ND		
1	D5	LED-3MM RED DIFFUSED	NTE30146	2368-NTE30146-ND		
1	U1	IC REG LINEAR 3.3V 400MA SOT223	NCV4274AST33T3G	NCV4274AST33T3GOSCT-ND	863-NCV4274AST33T3G	
2	U2,U3	CONN IC DIP SOCKET 14POS TIN	A 14-LC-TT	AE9989-ND	517-4814-3004-CP	
1	U2	IC BUF NON-INVERT 5.25V 14DIP	SN74LS07N	296-14878-5-ND	595-SN74LS07N	
1	U3	IC SWITCH QUAD 1X2 14DIP	CD74HCT4066E	296-2122-5-ND	595-CD74HCT4066E	
1	U4	16 MB WIFI-Bluetooth Module SMD	ESP32-WROVER-E (16MB)	1965-ESP32-WROVER-E(16MB)CT-ND	356-ESP32WRVE22864PC	
1	SW1	SWITCH TOGGLE SPDT 5A 120V	100SP1T2B4M6QE	EG2362-ND	612-100-A2461	
3	SW2,SW3,SW4	SWITCH TACTILE SPST-NO 0.05A 24V	1-1825027-1	450-1658-ND	506-FSMRA4JH04	
1	J1	CONN HEADER VERT 50POS 2.54MM	TSW-150-15-T-S	SAM12373-ND	200-TSW15015TS	
1	J2	CONN HEADER VERT 5POS 2.54MM	961105-6404-AR	3M9457-05-ND		
1	J3	CONN HEADER R/A 4POS 2.54MM	PH1RB-04-UA	2057-PH1RB-04-UA-ND		
1	J4	CONN SECURE DIGITAL TOP PUSH-PULL	2041021-3	A130907-ND	571-2041021-3	
1	NA	HEX STANDOFF M3 X 18MM	25513	36-25513-ND	534-25513	
2	NA	PAN HEAD SCREW M3 X 8MM CROSS SL	97790803111	732-13705-ND	710-97790803111	

## Notes:

[The Brewing Academy](#) will be selling fully assembled boards, cases, and bare boards.

Substitution: any 5% ¼ watt resistor with the same ohm value can be swapped from any vendor or manufacturer.