

E155 FA21 Lab Kit BoM

Item	Relevant Identifier	Manufacturer	Manufacturer P/N	Supplier	Supplier P/N	Quantity	Unit Price	Total Price	Description
MAX1000	Shield: U1	Trenz Electronic	TEI0001-03-08-C8	Trenz Electronic	TEI0001-03-08-C8	1	\$26.66	\$26.66	MAX1000 - IoT Maker Board, 8kLE, 8 MByte RAM
Nucleo-F401RE	N/A	STM	NUCLEO-F401RE	Mouser		1	\$13.83	\$13.83	Development Boards & Kits - ARM Nucleo Board STM32F4 STM32F401RE 512K
MAX1000 Shield PCB	N/A	OSH Park				1	\$6.80	\$6.80	Shield PCB
Breadboard Cobbler PCB	N/A	OSH Park				1	\$6.24	\$6.24	Breadboard adapter PCB
4-pos DIP switch	Shield: SW1	CIT Relay and Switch	KG04ET	Digikey	2449-KG04ET-ND	1	\$0.45	\$0.45	STANDARD DIP SWITCH, 4 POSITIONS
4-bar LED	Shield: D1	Lite-On Inc.	LTL-2820G	Digikey	160-1904-5-ND	1	\$1.89	\$1.89	LED LIGHT BAR RECT 1X4 GREEN
330 Ω 8 Resistor Bussed Array	Shield: RN2	Bourns Inc.	4609X-101-331LF	Digikey	4609X-101-331LF-ND	1	\$0.72	\$0.72	RES ARRAY 9 RES 330 OHM 10SIP
2.2 kΩ 4 Resistor Bussed Array	Shield: RN1	Bourns Inc.	4605X-101-222LF	Digikey	4605X-101-222LF-ND	1	\$0.50	\$0.50	RES ARRAY 4 RES 2.2K OHM 5SIP
Stackable headers kit	Shield: P1, P2, P	SparkFun Electronics	PRT-11417	Digikey	1568-1413-ND	1	\$1.50	\$1.50	ARDUINO STACKABLE HEADER KIT - R
2-pin jumper connector	Shield: CN1	Sullins Connector Solutions	STC02SYAN	Digikey	S9000-ND	1	\$0.10	\$0.10	CONN JUMPER SHORTING TIN
40-pin male breakable header	Shield: J1, CN1;	Sullins Connector Solutions	PREC040SFAN-RC	Digikey	S1212EC-40-ND	2	\$0.51	\$1.03	CONN HEADER VERT 40POS 2.54MM
40-pin keyed ribbon cable	N/A	Assmann WSW Components	H3CCS-4006G	Digikey	H3CCS-4006G-ND	1	\$1.66	\$1.66	
40-pin male vertical keyed header	Shield: J2; Bread	Sullins Connector Solutions	SBH11-PBPC-D20-ST-BK	Digikey	S9175-ND	2	\$0.73	\$1.46	CONN HEADER VERT 40POS 2.54MM
14-pin female headers	Shield: U1	Sullins Connector Solutions	PPTC141LFBN-RC	Digikey	S7012-ND	2	\$0.91	\$1.82	CONN HDR 14POS 0.1 TIN PCB
USB A to Mini B Cable White, 3ft	N/A	Monoprice		5447 Monoprice	5447	1	\$1.21	\$1.21	
USB A to Micro B Cable Black, 3ft	N/A	Monoprice		4867 Monoprice	4867	1	\$0.99	\$0.99	
							Total	\$66.86	