OSO-BOWI-A1-05

Quantity	Description	Part	Manufacturer Part Number	Digi-Key Part Number
2	RES 1K OHM 1% 1/4W 0805	R1, R2	RNCP0805FTD1K00	RNCP0805FTD1K00CT-ND
4	RES 10K OHM 1% 1/4W 0805	R3, R4, R6, R7	RNCP0805FTD10K0	RNCP0805FTD10K0CT-ND
1	RES 0.47 OHM 1% 1/3W 0805	R5	RL1220S-R47-F	RL12S.47FCT-ND
2	RES 100 OHM 1% 1/4W 0805	R8, R9	RNCP0805FTD100R	RNCP0805FTD100RCT-ND
1	CAP CER 10UF 10V X5R 0805	C1	CL21A106KPFNNNE	1276-1052-1-ND
12	CAP CER 1UF 25V X7R 0805	C3, C4, C5, C7, C8, C10, C11, C12, C13, C14, C15, C16	CL21B105KAFNNNE	1276-1066-1-ND
1	CAP CER 100UF 6.3V X5R 1210	C6	JMK325ABJ107MM-P	587-4313-1-ND
1	CAP CER 4.7UF 25V X7R 0805	C9	TMK212AB7475KG-T	587-2990-1-ND
2	FERRITE BEAD 1 KOHM 0805 1LN	FB1, FB2	MMZ2012R102AT000	445-1555-1-ND
2	DIODE ZENER 3.6V 500MW SOD123	D1, D2	MMSZ4685-TP	MMSZ4685-TPMSCT-ND
3	DIODE SCHOTTKY 30V 500MA SOD123	D3, D4, D5	MBR0530T1G	MBR0530T1GOSCT-ND
1	FIXED IND 10UH 1.3A 170 MOHM SMD	L1	IFSC1515AHER100M01	541-1406-1-ND
1	MOSFET N-CH 100V 1.6A SOT-23-3	Q1	IRLML0100TRPBF	IRLML0100TRPBFCT-ND
1	IC I/O EXPANDER I2C 8B 18SOIC	IC1	MCP23008T-E/SO	MCP23008T-E/SOCT-ND
1	IC SRAM 256K SPI 20MHZ 8SOIC	IC2	23K256-I/SN	23K256-I/SN-ND
1	NOR FLASH	IC3	GD25Q16CTIGR	1970-1010-1-ND
2	SWITCH TACTILE SPST-NO 0.05A 50V	BTN_LOCK, BTN_RESET	KSS231GLFS	401-1098-1-ND
2	SWITCH TACTILE SPST-NO 0.05A 12V	**Optional**: DNP_NEXT_ALT, DNP_PREV_ALT	TL3330AF130QG	EG4388CT-ND
1	CONN MICRO SD CARD PUSH-PUSH R/A	MICROSD	473340001	WM3288CT-ND
1	CONN JACK 4COND 3.5MM SMD R/A	J1 (bottom right, near FB1)	SJ-43514-SMT-TR	CP-43514SJCT-ND
1	CONN HEADER SMD R/A 4POS 2MM	I2C	S4B-PH-SM4-TB(LF)(SN)	455-1751-1-ND
2	CONN HEADER SMD R/A 3POS 2MM	A1_PORT, A2_PORT	S3B-PH-SM4-TB(LF)(SN)	455-1750-1-ND
1	CONN RCPT 24POS 0.1 GOLD SMD	Top feather header	89898-312LF	609-3046-ND
1	CONN RCPT 32POS 0.1 GOLD SMD	Bottom feather header	89898-316LF	609-3050-ND
7	SWITCH TACTILE SPST-NO 0.05A 12V	BTN_PREV/NEXT/UP/DOWN/LEFT/RIGHT/SEL	TL1107AF130WQ	EG2510-ND
1	SWITCH SLIDE SPDT 200MA 30V	SW1	1825232-1	A107673-ND
1	CONN FPC TOP 24POS 0.50MM R/A	Flex connector (usually Good Display includes a better one)	SFV24R-4STBE1HLF	609-5202-1-ND
1	4.2 inch e-ink panel GDEW042T2	Unmarked, mount on front side		

Link to E-Paper Display: https://tinyurl.com/GDEW042T2