

Module : Braids v5.1

Total Parts : 136

BOM Line	Type	Mfg Part Number	Manufacturer	Short Description	SKU	Value	Unit	Qty	Part Notes	Reference Designator	Package
Line 1	CAP	C0603C104J4RACTU	Kemet	MLCC - SMD/SMT 16volts 0.1uF X7R 5% 100nF	C0603C104J4RACTU	0.1	uF	14		C1, C2, C3, C4, C5, C7, C11, C18, C20, C23, C26, C27, C28, C31	0603
Line 2	CAP	C0603C474K4PACTU	Kemet	MLCC - SMD/SMT 16volts 0.47uF X5R 10% 470nF	CAPC0603C474K4PACTU	0.47	uF	1		C8	0603
Line 3	CAP	C0603C105K4PACTU	Kemet	MLCC - SMD/SMT 16volts 1uF X5R 10% 1000nF	CAPC0603C105K4PACTU	1	uF	2		C6, C12	0603
Line 4	CAP	C0603C180J5GACTU	Kemet	MLCC - SMD/SMT 50volts 18pF COG 5%	CAPC0603C180J5GACTU	18	pF	2		C9, C10	0603
Line 5	CAP	C0603C470J3GACTU	Kemet	MLCC - SMD/SMT 25volts 47pF COG 5%	CAPC0603C470J3GACTU	47	pF	1		C29	0603
Line 6	CAP	C0603C101K4RACTU	Kemet	MLCC - SMD/SMT 16volts 100pF 10% X7R	CAPC0603C101K4RACTU	100	pF	2		C21, C22	0603
Line 7	CAP	C0603C102K4RACTU	Kemet	MLCC - SMD/SMT 16volts 1000pF X7R 10%	CAPC0603C102K4RACTU	1000	pF	4		C13, C14, C16, C17	0603
Line 8	CPES	647-UWP1A100MCL	Nichicon	Electrolytic Cap - SMD 10volts 10uF 4x5.4 20%	CPES647-UWP1A100MCL	10	uF	1		C24	Panasonic B
Line 9	CPES	667-EEE-FP1E220AR	Panasonic	Electrolytic Cap - SMD 22uF 25V ELECT FP SMD	CPES667-EEE-FP1E220AR	22	uF	2		C15, C19	n/a
Line 10	CPES	EEEFK1V470P	Panasonic	Electrolytic Cap - SMD 47uF 35V	CPES667-EEE-FP1E220AR	47	uF	2		C25, C30	FK
Line 11	DIO	621-1N5819HW-F	Diodes Incorporated	1N5819HW Schottky Diodes & Rectifiers Vr/40V Io/1A T/R	DIO621-1N5819HW-F	1	ea	2		D1, D2	SOD123
Line 12	DISP	604-PDC54-11GWA	Kingbright	LED Displays & Accessories .54 DUAL GREEN	DISP604-PDC54-11GWA	1	ea	2		DISP1, DISP2	n/a
Line 13	ENC	EN11-HSM1BF20	BI/TT	Encoders 11mm Rotary Incremental Encoder 20 step detent	ENCEN11-HSM1BF20	1	each	1		SW1	n/a
Line 14	HDR	649-68002-106HLF	FCI	UNSHROUDED HDR VERT THRU HOLE 6 POS	HDR649-68002-106HLF	6	pin	1		JP3	2.54
Line 15	HDR	67997-410HLF	Amphenol FCI	HWH 10 POSITION DBL. ROW 2X5	HDR67997-410HLF	10	pin	1		JP1	2.54
Line 16	HDR	649-221111-00010T4LF	FCI	HWH 10 PIN 1.27x1.27mm BTB Hdr Unshrd Vert T/H	HDR649-221111-00010T4LF	10	pin	1		JP2	1.27

BOM Line	Type	Mfg Part Number	Manufacturer	Short Description	SKU	Value	Unit	Qty	Part Notes	Reference Designator	Package
Line 17	HDW	258568	Fastener Superstore	M3 X .5 X 6mm Pan Zinc Screws	HDW258568	1	each	4			M3
Line 18	HDW	336514	Fastener Express	#4 Flat Washer Nylon	HDW336514	1	each	4			#4
Line 19	IC	579-MCP3204-BI/SL	Microchip Technology	MCP3204 BI/SL quad 12-bit DAC	IC579-MCP3204-BI/SL	1	ea	1		IC4	SOIC14
Line 20	IC	579-MCP6004T-I/SL	Microchip Technology	MCP6004 quad op-amp R2R IO	IC579-MCP6004T-I/SL	1	ea	1		IC7	SOIC14
Line 21	IC	511-STM32F103CBT6	STMicroelectronics	ARM Microcontrollers - MCU 32BIT Cortex M3 128K MED Performance LN	IC511STM32F103	1	ea	1		UC1	LQFP48
Line 22	IC	595-DAC8551IADGKT	Texas Instruments	DAC8551 single 16-bit DAC	IC595DAC8551I	1	ea	1		IC5	MSOP8
Line 23	IC	595-TL074CD	Texas Instruments	TL074 quad op-amp	IC595-TL074CD	1	ea	1		IC9	SOIC14
Line 24	IC	595-CD74HC595M	Texas Instruments	CD74HC595 SIPO shift register	IC595CD74HC595M	1	ea	2		IC1, IC2	SOIC16
Line 25	IC	595-TL072CD	Texas Instruments	TL072 dual op-amp	IC595-TL072CD	1	ea	1		IC10	SOIC8
Line 26	JCK	WQP518MA	QingPu	3.5mm Jack PJ301M-12 (WQP-PJ398SM) (WQP518MA) Thonkiconn	JCKWQP518MA	3.5	mm	6	HEX	J1, J2, J3, J4, J5, J6	n/a
Line 27	KNB	PT-2-S/GME-DS	Rogan	Rogan PT-2-S Black knob no pointer d-shaft	KNBPT-2-S/GME-DS	1	each	1			n/a
Line 28	KNB	PT-2-P-S/GMP-DS	Rogan	Rogan PT-2-P-S d-shaft med skirted black/white knob	KNBPT-2-P-S/GMP-DS	1	each	6			n/a
Line 29	PTB	RK09L1140A2U	ALPS	Alps Pot Sgl Unit Vert Flat Snap-in 10K Ohms 9mm d-shaft 20mm	PTBRK09L1140A2U	10	kOhm	6			9mm
Line 30	SEMI	815-ABLS2-8-D4Y-T	ABRACON	Crystals 8.0MHz 30ppm 18pF - 40C+85C	SEMI815-ABLS2-8-D4Y-T	8	mhz	1		Q5	HC49
Line 31	SR	RC0603FR-071KL	Yageo	Thick Film Resistors - SMD 1K OHM 1%	SRRRC0603FR-071KL	1	kOhm	6		R1, R2, R3, R11, R23, R55	0603
Line 32	SR	RC1206JR-074R7L	Yageo	Thick Film Resistors - SMD 4.7 OHM 5% 1206	SRRRC1206JR-074R7L	4.7	Ohm	1		R49	1206
Line 33	SR	RC0603FR-0710KL	Yageo	Thick Film Resistors - SMD 10K OHM 1%	SRRRC0603FR-0710KL	10	kOhm	3		R22, R27, R33	0603

BOM Line	Type	Mfg Part Number	Manufacturer	Short Description	SKU	Value	Unit	Qty	Part Notes	Reference Designator	Package
Line 34	SR	RC0603FR-0724K9L	Yageo	Thick Film Resistors - SMD 24.9K OHM 1%	SRRC0603FR-0724K9L	24.9	kOhm	11		R30, R31, R34, R35, R41, R42, R43, R44, R50, R52, R53	0603
Line 35	SR	RC0603FR-0739KL	Yageo	Thick Film Resistors - SMD 39K OHM 1%	SRRC0603FR-0739KL	39	kOhm	2		R45, R46	0603
Line 36	SR	RC0603FR-0749K9L	Yageo	Thick Film Resistors - SMD 49.9K OHM 1%	SRRC0603FR-0749K9L	49.9	kOhm	2		R25, R26	0603
Line 37	SR	RC0603FR-07100KL	Yageo	Thick Film Resistors - SMD 100K OHM 1%	SRRC0603FR-07100KL	100	kOhm	6		R24, R29, R47, R48, R54, R56	0603
Line 38	SR	RC0603FR-07100RL	Yageo	Thick Film Resistors - SMD 100 OHM 1%	SRRC0603FR-07100RL	100	Ohm	14		R4, R5, R6, R7, R8, R9, R10, R12, R13, R14, R15, R16, R17, R18	0603
Line 39	SR	RC0603FR-07120KL	Yageo	Thick Film Resistors - SMD 120K OHM 1%	SRRC0603FR-07120KL	120	kOhm	1		R39	0603
Line 40	SR	RC0603FR-07200KL	Yageo	Thick Film Resistors - SMD 200K OHM 1%	SRRC0603FR-07200KL	200	kOhm	3		R28, R32, R40	0603
Line 41	SR	RC0603FR-07330RL	Yageo	Thick Film Resistors - SMD 330 OHM 1%	SRRC0603FR-07330RL	330	Ohm	1		R51	0603
Line 42	SW	667-EVQ-Q2K01W	Panasonic	Tactile Switches Switch Light Touch 6mm Square SMD	SW667-EVQ-Q2K01W	1	ea	2		SW2, SW3	OFF - (ON)
Line 43	TRN	MMBT3904LT1G	ON Semiconductor	MMBT3904 Bipolar Transistors - BJT NPN GENERAL PURPOSE	TRNMMBT3904LT1G	1	ea	5		Q1, Q2, Q3, Q4, Q6	SOT23
Line 44	VREG	595-LM4040C25IDBZR	Texas Instruments	LM4040 Shunt Vref 2.5-V .5% acc	VREG595-LM4040C25IDBZR	2.5	V	1		IC3	SOT23
Line 45	VREG	926-LM1117DTX-3.3NOPB	Texas Instruments	LM1117 LDO Volt Reg 800MA LDO LINEAR REG 3.3V	VREG926LM1117DTX3.3NOPB	3.3	V	1		IC6	TO252
Line 46	VREG	595-LM4040C10IDBZR	Texas Instruments	LM4040 Shunt Vref 10V	VREG595-LM4040C10IDBZR	10	V	1		IC8	SOT23
Line 47	WIR	CBL1016EURO25	synthCube	EURO 10-16 PIN POWER CABLE	WIR1016EURO25	10	each	1			n/a