

Quantity	RefDes
	6 C1, C15, C17, C21, C38, C39
	5 C2, C8, C9, C10, C24
	8 C3, C6, C11, C12, C13, C18, C30, C40
	C4, C5, C7, C14, C16, C20, C23, C25, C27, C28, C29, C32, C34, C35, C36, C37, C41, C42, C43, C44, C45, C46, C52, C53, C55, C60, C61,
29	C62, C63
	2 C19, C54
	2 C22, C33
	2 C26, C31
	9 C47, C48, C49, C50, C51, C56, C57, C58, C59
	1 D1
	4 H1, H2, H3, H4
	9 H5, H6, H7, H8, H10, H11, H12, H13, H14
	2 H9, H15
	2 IC1, IC7
	6 IC2, IC4, U1, U2, U3, U4
	1 IC3
	1 IC5
	2 IC6, IC14
	5 IC8, IC10, IC11, IC12, IC13
	1 IC9
	1 J1
	1 J2
	1 JP16
	4 LED1, LED2, LED3, LED4
	1 Q1
	1 Q2
	2 Q3, Q4
	2 R6, R12
	4 R7, R9, R13, R15
	6 R8, R14, R18, R19, R32, R33

Sheet1

3 R10, R11, R16

2 R17, R34

R20, R21, R22, R23, R27, R28, R29, R30, R77,
10 R78

2 R24, R35

2 R25, R26

4 R31, R36, R37, R38

R39, R40, R41, R42, R43, R44, R46, R47, R48,
R51, R52, R53, R57, R61, R64, R67, R68, R71,
27 R76, R79, R80, R81, R82, R83, R84, R85, R86

1 R45

1 R49

1 R50

5 R54, R62, R65, R73, R75

8 R55, R56, R60, R63, R66, R69, R72, R74

3 R58, R59, R70

2 SW1, SW2

2 SW1, SW2

2 VR1, VR2

VR3, VR4, VR5, VR6, VR11, VR12, VR13,
8 VR14,

9 R1, R2, R3, R4, R5, R7, R8, R9, R10

Value	Name / Size
18p	C-USC0603
47uF	RCL_CPOL-USE2.5-6 (RCL_CPOL-US)
10u	CPOL-USA
100n	C-USC0603
1u	C-USC0603
220p	C-USC0603
2.2u	C-USC0805
1n	C-USC0603
5mm Round	LED-5R_Red
Black Banana	Left Input, Right Input, Left Output, Right Output
Blue Banana	Position CV, Size CV, Density CV, Texture CV,
Red Banana	Dry/Wet CV, Spread CV, Feedback CV, Reverb CV,
74HC595D	V/OCT
TL072D	Trig, Freeze
WM8731	74HC595D
STM32F405RGT6	TL072D
LM1117-3.3	WM8731
MCP6002	STM32F20X
LM4040B10	REG1117
	SOIC08
	LM4041B12DBZ
	Freeze Switch
	MTA04-100 or similar (A-806 on Tayda)
M05X2MINIJTAG	M05X2MINIJTAG
WP59EGW	LED-BICOLOR-THROUGH HOLE
12.288MHz	TXC 7A crystal
8MHz	TXC 7A crystal
MMBT3904	MMBT3904LT1-NPN-SOT23-BEC
1.0k	R-US_R0603
39k	R-US_R0603
5.6k	R-US_R0603

4.7r	R-US_R01206
22k	R-US_R0603
68r	R-US_R0603
3.3k	R-US_R0603
2.2k	R-US_R0603
10k	R-US_R0603
100k	R-US_R0603
220r	R-US_R0603
47k	R-US_R0603
180k	R-US_R0603
66.5k	R-US_R0603
200k	R-US_R0603
33k	R-US_R0603
	TAC_SWITCHPTH
	TACT SWITCH CAP
50kA	Right Level, Left Level
100k	Position AV, Size AV, Density AV, Texture AV, Dry/Wet AV, Spread AV, Feedback AV, Reverb AV
10kB	Position, Size, Density, Texture, Pitch, Dry/Wet, Spread, Feedback, Reverb

Mouser Part #

81-GRM185C1H180JA01J

710-860010673012

710-860130673001

81-GRM188R71E104JA1J

81-GRM18R61A105KA61J

81-GRM185C1H221GA01D

810-C2012X5R1A225K-2

81-GRM1885C1H102FA1J

530-108-0903-1

530-108-0910-1

530-108-0902-1

595-CD74HC595M

595-TL072CD

238-WM8731SEDS/V

511-STM32F405RGT6

926-LM1117MPX3.3NOPB

579-MCP6002-I/SN

595-LM4040C10IDBZR

C&K Pushbutton: 611-8125-222, Dress

Nut: 611-702501201, Red switch Cap:

611-801803000

571-6404544

649-221111-00010T4LF

WP59EGW

717-7A-12.288MAAJ-T

717-7A-8.000MAAJ-T

863-MMBT3904LT1G

603-RC0603FR-071KL

603-RC0603FR-0739KL

603-RC0603FR-075K6L

603-RC1206JR-074R7L
603-RC0603FR-0722KL

603-RC0603FR-0768RL
603-RC0603FR-073K3L
603-RC0603FR-072K2L
603-RC0603FR-0710KL

603-RC0603FR-07100KL
603-RC0603FR-07220RL
603-RC0603FR-0747KL
603-RC0603FR-07180KL
RC0603FR-0766K5L
603-RC0603FR-07200KL
603-RC0603FR-0733KL
612-TL1105SP-250
612-1RWHT
THONK or MODULAR ADDICT

THONK or MODULAR ADDICT

THONK or MODULAR ADDICT