

IDX=1 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: 3030
Value: 3030
Package: BATT_3030
Description: BATT HOLDER COIN SMD
Ref Des: BT1

IDX=13 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 9 (0/9) FLT: CL10B103KB8NNNC
Value: .01UF
Package: SM0603
Description: CAP CER X7R 50V
Ref Des: C1 C15 C18 C20 C26 C35 C36 C37 C47

IDX=14 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 21 (1/20) FLT: CL10B104KB8NNNC
Value: .1UF
Package: SM0603
Description: CAP CER X7R 50V
Ref Des: C10 C12 C16 C17 C19 C21 C22 C23 C25 C27 C38 C39 C46 C48
C5 C50 C52 C53 C54 C55 C8

IDX=15 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: TMK107B7474KA-TR
Value: .47UF
Package: SM0603
Description: CAP X7R/BX
Ref Des: C33

IDX=16 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: GRM1885C1H102JA01J
Value: 1000PF
Package: SM0603
Description: CAP NPO/BP
Ref Des: C7

IDX=17 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 4 (0/4) FLT: C0603C100K5GACTU
Value: 10PF
Package: SM0603
Description: CAP NPO/BP
Ref Des: C3 C30 C31 C4

IDX=18 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: TPSB106K025R1800
Value: 10UF/25V
Package: SMP1210
Description: CAP TANTALUM
Ref Des: C73

IDX=19 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 2 (0/2) FLT: GRM188R61A106ME69D
Value: 10UF
Package: SM0603
Description: CAP CERAMIC
Ref Des: C32 C6

IDX=20 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: GRM21BR71A106MA73L
Value: 10UF
Package: SM0805 or SM0705
Description: CAP X7R/BX
Ref Des: C2

IDX=21 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: GRT31CR61H106KE01L
Value: 10UF
Package: SM1206
Description: CAP X5R/BX
Ref Des: C34

IDX=22 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 3 (3/0) FLT: TPSB106K010T1000
Value: 10UF
Package: SMP1210
Description: CAP TANTALUM
Ref Des: C28 C29 C44

IDX=23 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 3 (1/2) FLT: CL10B105KA8NFNC
Value: 1UF
Package: SM0603
Description: CAP X7R/BX
Ref Des: C11 C24 C45

IDX=24 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: CL10B475KQ8NQNC
Value: 4.7UF
Package: SM0603
Description: CAP X7R/BX
Ref Des: C9

IDX=25 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: C0603C470J5GACAUTO
Value: 47PF
Package: SM0603
Description: CAP NPO/BP
Ref Des: C14

IDX=26 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: Do NOT Install
Value: N/A .47UF
Package: SM0603
Description: N/A Not Applicable
Ref Des: C13

IDX=27 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: BAV199/ZL215
Value: BAV199
Package: SOT23-3
Description: DIODE
Ref Des: D3

IDX=29 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: MMSZ5223BT1G
Value: MMSZ5223
Package: SOD123
Description: ZENER DIODE 2.7V
Ref Des: DZ1

IDX=30 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: SF44G
Value: SF44G
Package: DO-201-AD
Description: DIODE 4A
Ref Des: D10

IDX=31 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: 1599EBKBAT
Value: 1599EBKBAT
Package: ENCLOSURE
Description: BOX ABS BLACK 6.69L X 3.37W
Ref Des: ENCL1

IDX=32 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: MFU0603FF00500P500
Value: 500MA
Package: SM0603
Description: FUSE 500mA
Ref Des: F1

IDX=33 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 2 (2/0) FLT: 0705430002
Value: 0705430002
Package: HDR_1X3
Description: CONN-LTCH-MOLEX-VERT 3
Ref Des: J2 J9

IDX=34 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: 0705530002
Value: 0705530002
Package: HDR_50-57-9403
Description: CONN-LTCH-MOLEX-R/A 3
Ref Des: J4

IDX=35 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: LD09P33E4GV00LF
Value: CON_D9M
Package: CON_D9M
Description: D CONN E SHELL R/A
Ref Des: J1

IDX=36 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: FTSH-107-01-F-DV-K
Value: FTSH-107-01-F-DV-K
Package: STDC14
Description: CONNECTOR
Ref Des: JP2

IDX=37 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: PBC03SAAN
Value: PBC03SAAN
Package: JMP03N
Description: JUMPER HEADER
Ref Des: JP1

IDX=38 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: PRPC002SBAN-M71RC
Value: PRPC002SBAN
Package: JMP02_R/A
Description: JUMPER HEADER R/A
Ref Des: JP3

IDX=39 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 2 (2/0) FLT: SJ-3524-SMT-TR
Value: SJ-3524
Package: SJ-352X
Description: CONN JACK STEREO
Ref Des: J6 J8

IDX=42 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: ZXCT1009FTA
Value: ZXCT1009
Package: SOT23F-3
Description: IC CURRENT MONITOR
Ref Des: Q1

IDX=43 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: ERJ-8BWFR050V
Value: .050
Package: SM1206
Description: SENSE RESISTOR
Ref Des: R12

IDX=44 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 6 (1/5) FLT: M55342K12B1E00TW
Value: 1.0K
Package: SM0603
Description: RES THK-FLM
Ref Des: R1 R15 R2 R4 R5 R6

IDX=45 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: M55342K12B10E0TW
Value: 10.0K
Package: SM0603
Description: RES THK-FLM
Ref Des: R60

IDX=46 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: M55342K12B100ETW
Value: 100K
Package: SM0603
Description: RES THK-FLM
Ref Des: R16

IDX=47 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: M55342K12B100DTW
Value: 100
Package: SM0603
Description: RES THK-FLM
Ref Des: R58

IDX=48 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 4 (2/2) FLT: M55342K12B100DTW
Value: 100
Package: SMR0603-41
Description: RES THK-FLM
Ref Des: R36 R37 R41 R42

IDX=49 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: 3266W-1-103LF
Value: 10K
Package: 3266W
Description: POTENTIOMETER
Ref Des: R20

IDX=50 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: 3296Z-1-103LF
Value: 10K
Package: 3296Z
Description: POTENTIOMETER R/A
Ref Des: R22

IDX=51 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 18 (10/8) FLT: M55342K12B10E0TW
Value: 10K
Package: SM0603
Description: RES THK-FLM
Ref Des: R10 R11 R14 R17 R19 R26 R27 R29 R3 R31 R40 R44 R45 R57
R66 R67 R7 R9

IDX=52 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: M55342K12B15E0TW
Value: 15.0K
Package: SM0603
Description: RES THK-FLM
Ref Des: R30

IDX=53 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: M55342K12B3E32TW
Value: 3.3K
Package: SM0603
Description: RES THK-FLM
Ref Des: R8

IDX=54 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: M55342K12B30E1TW
Value: 30.1K
Package: SM0603
Description: RES THK-FLM
Ref Des: R56

IDX=55 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: M55342K12B4E75TW
Value: 4.7K
Package: SM0603
Description: RES THK-FLM
Ref Des: R21

IDX=56 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 2 (0/2) FLT: M55342K12B4E99TW
Value: 4.99K
Package: SM0603
Description: RES THK-FLM
Ref Des: R18 R59

IDX=57 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 2 (2/0) FLT: M55342K12B47E5TW
Value: 47K
Package: SM0603
Description: RES THK-FLM
Ref Des: R23 R24

IDX=58 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 2 (2/0) FLT: Do NOT Install
Value: N/A 1.0K
Package: SM0603
Description: N/A Not Applicable
Ref Des: R13 R62

IDX=59 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: Do NOT Install
Value: N/A
Package: SM0603
Description: N/A Not Applicable
Ref Des: R25

IDX=60 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 2 (2/0) FLT: CVS-1508
Value: CVS-1508
Package: CVS-1508
Description: SPEAKER 8 Ohm
Ref Des: SP1 SP2

IDX=61 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: ET01MD1ABE
Value: ET01MD1ABE
Package: SW_ET_A
Description: PCB SWITCH SPDT R/A ON-ON
Ref Des: SW2

IDX=62 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: KMR221NG-LFS
Value: KMR221
Package: SW_KMR2
Description: SWITCH PUSH BUTTON
Ref Des: SW1

IDX=63 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: RIC11-31S10K3-GSMT
Value: RIC11-31S10K3-GSMT
Package: SW-ENC-RIC11
Description: ROTARY ENCODER
Ref Des: SW3

IDX=64 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: SPK-017A
Value: SPK-017A
Package: HARDWARE_HOUSING
Description: KNOB FOR ROTARY ENCODER
Ref Des: SW3-KNOB

IDX=65 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: 74HC590D-118
Value: 74HC590
Package: SO16
Description: LOGIC COUNTER
Ref Des: U4

IDX=66 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: SN74LVC1G11DBVR
Value: 74LVC1G11
Package: SOT23-6
Description: LOGIC GATE AND
Ref Des: U10

IDX=67 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: SN74LVC1G14DBVR
Value: 74LVC1G14
Package: SOT23-5
Description: LOGIC GATE INVERT ST
Ref Des: U3

IDX=68 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 2 (2/0) FLT: SN74LVC2G14DBVR
Value: 74LVC2G14
Package: SOT23-6
Description: LOGIC GATE INVERT ST
Ref Des: U14 U15

IDX=69 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: SN74LVC2G17DBVR
Value: 74LVC2G17
Package: SOT23-6
Description: LOGIC GATE ST
Ref Des: U11

IDX=70 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: FM25L16B-GTR
Value: FM25L16B
Package: SO8_209
Description: SERIAL FRAM
Ref Des: U2

IDX=71 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (0/1) FLT: LM4871MX/NOPB
Value: LM4871
Package: SO8
Description: AUDIO AMPLIFIER
Ref Des: U5

IDX=72 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 2 (2/0) FLT: LMV321IDBVR
Value: LMV321
Package: SOT23-5
Description: OP AMP
Ref Des: U17 U6

IDX=73 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: STM32U575RIT6
Value: STM32U575RIT6
Package: LQFP64
Description: STM32 PROCESSOR
Ref Des: U1

IDX=74 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: TSR_1.5-2450E
Value: TSR1.5-2450
Package: TO220-3/VX78_REV
Description: SWITCHMODE REG(5V)
Ref Des: VR3

IDX=75 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: ZLDO1117QG33TA
Value: ZLDO1117-3.3
Package: SOT223
Description: VOLTAGE REGULATOR 3.3V
Ref Des: VR2

IDX=76 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: ECS-200-18-9X
Value: ECS-200-18-9X
Package: X-CFS206
Description: XTAL 20.0MHZ 18PF TH
Ref Des: X2

IDX=77 BRD=A102_73174 Time=2026-05-22T14:21

Qty: 1 (1/0) FLT: VT200F-12.5PF20PPM
Value: VT200F
Package: HC49U
Description: XTAL 20MHZ X-CFS206
Ref Des: X1

LAST LABEL -> 63 labels for A102_73174_41 <- LAST LABEL
Label File Generated: 2026-05-22T14:21
BOM ULP: bom_2019_61.ulp V2.61 30 Dec 2025
Master Parts: /usr/local/eagle-6.5.0/db/master_parts_list.gse
Drawing Number: 2D354-102-73174.41
Use Avery 5162/5262/5522 or equivalent

