

IDX=6 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 23 (3/20) FLT: CL10B103KB8NNNC

Value: .01UF

Package: SM0603

Description: CAP CER X7R 50V

Ref Des: C1 C11 C12 C15 C20 C21 C26 C3 C33 C34 C36 C37 C38 C39  
C4 C40 C41 C43 C5 C6 C65 C7 C8

IDX=13 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 3 (0/3) FLT: C0603C470J5GACAUTO

Value: 47PF

Package: SM0603

Description: CAP NPO/BP

Ref Des: C3A C3B C3C

IDX=7 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 7 (1/6) FLT: CL10B104KB8NNNC

Value: .1UF

Package: SM0603

Description: CAP CER X7R 50V

Ref Des: C13 C16 C19 C25 C27 C35 C46

IDX=14 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (0/1) FLT: 1N4148W-7-F

Value: 1N4148

Package: SOD123

Description: DIODE

Ref Des: D2

IDX=8 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 3 (3/0) FLT: GRM1885C1H102JA01J

Value: 1000PF

Package: SM0603

Description: CAP NPO/BP

Ref Des: C17 C5A C5B

IDX=15 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: 1SV267-TB-E

Value: 1SV267

Package: SOT23-3

Description: DIODE PIN

Ref Des: D1

IDX=9 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (0/2) FLT: C0603C100K5GACTU

Value: 10PF

Package: SM0603

Description: CAP NPO/BP

Ref Des: C30 C31

IDX=16 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (0/2) FLT: BAS100AS\_R1\_00001

Value: BAS100

Package: SOD123

Description: DIODE SCHOTTK LOW LWAK

Ref Des: D4 D5

IDX=10 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 8 (1/7) FLT: CL21B106KOQNNNE

Value: 10UF/16V

Package: SM0805 or SM0705

Description: CAP X7R/BX

Ref Des: C10 C18 C2 C22 C23 C24 C32 C45

IDX=17 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: BAV199/ZL215

Value: BAV199

Package: SOT23-3

Description: DIODE

Ref Des: D3

IDX=11 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 4 (4/0) FLT: 10UF

Value: 10UF

Package: SMP1210

Description: CAP TANTALUM

Ref Des: C28 C29 C44 C73

IDX=18 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: ER502\_R2\_00001

Value: ER502

Package: DO-201-AD

Description: DIODE 5A

Ref Des: D10

IDX=12 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 5 (2/3) FLT: C0805C105J3RACTU

Value: 1UF

Package: SM0805 or SM0705

Description: CAP X7R/BX

Ref Des: C14 C42 C51 C61 C9

IDX=19 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: 1599EBKBAT

Value: 1599EBKBAT

Package: ENCLOSURE

Description: BOX ABS BLACK 6.69L X 3.37W

Ref Des: ENCL1

IDX=21 BRD=A102\_73170 Time=2024-08-23T13:57

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

IDX=23 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: 0705430002  
Value: 0705430002  
Package: HDR\_1X3  
Description: CONN-LTCH-MOLEX-VERT 3  
Ref Des: J5 J9

IDX=24 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: 0705530002  
Value: 0705530002  
Package: HDR\_50-57-9403  
Description: CONN-LTCH-MOLEX-R/A 3  
Ref Des: J4

IDX=25 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: 5414373-1  
Value: 5414373-1  
Package: COAX\_SMA\_BNC  
Description: CONN BNC R/A  
Ref Des: J2 J3

IDX=26 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: 75869-131LF  
Value: 75869-131LF  
Package: HDR\_2X3  
Description: CONNECTOR  
Ref Des: J7

IDX=27 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: PBC02DAAN  
Value: PBC02DAAN  
Package: HDR\_2X2/JMP  
Description: JUMPER HEADER  
Ref Des: JP2

IDX=28 BRD=A102\_73170 Time=2024-08-23T13:57

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

IDX=29 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: RF2-49B-T-00-50-G-HDW  
Value: RF2-49B  
Package: COAX\_SMA\_BNC  
Description: CONN SMA R/A  
Ref Des: J1

IDX=30 BRD=A102\_73170 Time=2024-08-23T13:57

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

IDX=31 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 3 (3/0) FLT: AIAC-1812-R10  
Value: 100nH  
Package: AIAC-1812  
Description: INDUCTOR  
Ref Des: L1A L1B L1C

IDX=32 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: LTL-4213  
Value: LTL-4213  
Package: LED\_T1-3/4C  
Description: LED BR RED DIFF 3.7MCD  
Ref Des: LD1 LD9

IDX=33 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: LTL-4223  
Value: LTL-4223  
Package: LED\_T1-3/4C  
Description: LED HE RED DIFF 19MCD  
Ref Des: LD2 LD8

IDX=34 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: LTL-4233  
Value: LTL-4233  
Package: LED\_T1-3/4C  
Description: LED GRN DIFF 19MCD  
Ref Des: LD5

IDX=35 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: LTL-4253  
Value: LTL-4253  
Package: LED\_T1-3/4C  
Description: LED YEL DIFF 19MCD  
Ref Des: LD4 LD6

IDX=36 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: LTL-4293  
Value: LTL-4293  
Package: LED\_T1-3/4C  
Description: LED ORG DIFF 29MCD  
Ref Des: LD3 LD7

IDX=41 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (0/1) FLT: M55342  
Value: 0  
Package: SM0603-3  
Description: RES Jumper  
Ref Des: R38

IDX=42 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (0/2) FLT: M55342K12B1E00TW  
Value: 1.0K  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R23 R24

IDX=43 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (0/1) FLT: M55342K12B100ETW  
Value: 100K  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R26

IDX=44 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 20 (6/14) FLT: M55342K12B10E0TW  
Value: 10K  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R14 R15 R17 R19 R20 R21 R22 R27 R40 R43 R44 R45 R46 R47  
R48 R49 R50 R51 R52 R57

IDX=45 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (1/1) FLT: M55342K12B10D0TW  
Value: 10  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R10 R5

IDX=46 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: M55342K12B110DTW  
Value: 10  
Package: SMR0603-41  
Description: RES THK-FLM  
Ref Des: R41 R42

IDX=47 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 3 (3/0) FLT: M55342K12B2E00TW  
Value: 2.00K  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R5A R5B R5C

IDX=48 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: PTV09A-4030U-B204  
Value: 200K  
Package: PTV09-A4  
Description: POT 200K OHM 1.181  
Ref Des: R28

IDX=49 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: M55342K12B267DTW  
Value: 270  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R32 R35

IDX=50 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (0/1) FLT: M55342K12B3E32TW  
Value: 3.3K  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R39

IDX=51 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (0/1) FLT: M55342K12B4E75TW  
Value: 4.7K  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R56

IDX=52 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 7 (7/0) FLT: M55342K12B475DTW  
Value: 470  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R29 R30 R31 R33 R34 R36 R37

IDX=53 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: PTV09A-4020F-B502  
Value: 5K  
Package: PTV09-A4  
Description: POT 5K OHM 0.787  
Ref Des: R25

IDX=54 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: M55342K12B82E5TW  
Value: 82.5K  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R16

IDX=55 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 6 (3/3) FLT: M55342K12B825ETW  
Value: 825K  
Package: SM0603  
Description: RES THK-FLM  
Ref Des: R11 R13 R18 R4A R4B R4C

IDX=56 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 8 (6/2) FLT: Do NOT Install  
Value: N/A 10  
Package: SM0603  
Description: N/A Not Applicable  
Ref Des: R1 R2 R3 R4 R6 R7 R8 R9

IDX=57 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: Do NOT Install  
Value: N/A 20K  
Package: 3266W  
Description: N/A Not Applicable  
Ref Des: R12

IDX=58 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 3 (1/2) FLT: Do NOT Install  
Value: N/A  
Package: SM0603  
Description: N/A Not Applicable  
Ref Des: R53 R54 R55

IDX=59 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: CVS-1508  
Value: CVS-1508  
Package: CVS-1508  
Description: SPEAKER 8 Ohm  
Ref Des: SP1

IDX=60 BRD=A102\_73170 Time=2024-08-23T13:57

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

IDX=61 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: KMR221NG-LFS  
Value: KMR221  
Package: SW\_KMR2  
Description: SWITCH PUSH BUTTON  
Ref Des: SW1

IDX=62 BRD=A102\_73170 Time=2024-08-23T13:57

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

IDX=63 BRD=A102\_73170 Time=2024-08-23T13:57

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

IDX=64 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: CD4017BM96  
Value: CD4017  
Package: SO16  
Description: IC DECADE COUNTER  
Ref Des: U3

IDX=65 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: CD4049UBDR  
Value: CD4049  
Package: SO16  
Description: IC INVERTER  
Ref Des: U2

IDX=66 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: CD4050BDR  
Value: CD4050  
Package: SO16  
Description: IC BUFFER  
Ref Des: U13

IDX=68 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: HEF4093BT-653  
Value: HEF4093B  
Package: SO14  
Description: IC NAND  
Ref Des: U1

IDX=69 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: MAX1721EUT+T  
Value: MAX1721  
Package: SOT23-6  
Description: REG CHR9 PUMP  
Ref Des: U8

IDX=78 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: ECS-200-20-4X-DU  
Value: ECS-200-20-4X  
Package: HC49U  
Description: CRYSTAL 20MHZ 20 PF  
Ref Des: X1

IDX=70 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (0/1) FLT: MAX6102EUR+T  
Value: MAX6102  
Package: SOT23-3  
Description: VOLTAGE REF 2.500V  
Ref Des: U12

IDX=71 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: NCS20072DR2G  
Value: NCS20072  
Package: SO8  
Description: OP AMP  
Ref Des: U5 U6

IDX=72 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 2 (2/0) FLT: TS12A4514DBVR  
Value: TS12A4514  
Package: SOT23-5  
Description: IC SWITCH SPST-NO  
Ref Des: U4 U7

IDX=73 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: Z8F1680SJ020EG  
Value: Z8F1680  
Package: SO28  
Description: EZ8 PROCESSOR 16K/2K  
Ref Des: U9

IDX=76 BRD=A102\_73170 Time=2024-08-23T13:57

Qty: 1 (1/0) FLT: R-78K5.0-0.5  
Value: R-78K5.0-0.5  
Package: TO220-3/VX78\_REV  
Description: SWITCHMODE REGULATOR  
Ref Des: VR3

IDX=77 BRD=A102\_73170 Time=2024-08-23T13:57

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

LAST LABEL -> 64 labels for A102\_73170\_62 <- LAST LABEL  
Label File Generated: 2024-08-23T13:57  
BOM ULP: bom\_2019\_59.ulp V2.59 09 Aug 2024  
Master Parts: /usr/local/eagle-6.5.0/db/master\_parts\_list.gse  
Drawing Number: 2D354-102-73170.62  
Use Avery 5162/5262/5522 or equivalent

