**IDX=1 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 6 (6/0) FLT: 0016021110**
**Value: 0016021110**
**Package: CONN_NOTE_CONTACT**
**Description: CONTACT**

**Ref Des:** `A_JC9/1 A_JC9/2 A_JC9/3 A_JC9/4 A_JC9/5 A_JC9/6`

**IDX=2 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0) FLT: 0050579406**
**Value: 0050579406**
**Package: CONN_NOTE**
**Description: CONN HOUSING LATCH**

**Ref Des:** `A_J9/B`

**IDX=4 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0) FLT: 1593ATS100**
**Value: 1593ATS**
**Package: HARDWARE**
**Description: SCREW FOR MNT PC BOARD**

**Ref Des:** `A_MTG1`

**IDX=5 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0) FLT: 1599BSGY**
**Value: 1599B**
**Package: ENCLOSURE**
**Description: ENCLOSURE**

**Ref Des:** `A_ENCL1`

**IDX=6 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0) FLT: 6202030**
**Value: 6202030**
**Package: HARDWARE**
**Description: RED BEZEL**

**Ref Des:** `A_BEZEL`

**IDX=7 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0) FLT: AT-S-26-8/8/B-7-OE**
**Value: AT-S-26-8/8**
**Package: HARDWARE_CABLE**
**Description: MODULAR CABLE PIGTAIL**

**Ref Des:** `A_CBL1`

**IDX=8 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0) FLT: TTL-232R-3V3-AJ**
**Value: TTL-232R-3V3-AJ**
**Package: HARDWARE_CABLE**
**Description: USB UART 3.5MM**

**Ref Des:** `A_CBL_DBG`

**IDX=17 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 22 (2/20) FLT: CL10B103KB8NNNC**
**Value: .01UF**
**Package: SM0603**
**Description: CAP CER X7R 50V**

**Ref Des:** `C11 C110 C112 C116 C118 C119 C120 C122 C123 C13 C15 C16 C20 C21 C22 C23 C25 C26 C33 C34 C54 C9`

**IDX=18 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 6 (0/6) FLT: CL21B104KBFNNNG**
**Value: .1UF**
**Package: SM0805 or SM0705**
**Description: CAP CER X7R 50V**

**Ref Des:** `C101 C14 C2 C3 C5 C7`

**IDX=19 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 3 (1/2) FLT: 885012007057**
**Value: 100PF**
**Package: SM0805 or SM0705**
**Description: CAP CER NPO 50V**

**Ref Des:** `C10 C24 C6`

**IDX=20 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 2 (0/2) FLT: C0603C100K5GACTU**
**Value: 10PF**
**Package: SM0603**
**Description: CAP NPO/BP**

**Ref Des:** `C102 C103`

**IDX=21 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 3 (3/0) FLT: 10UF/15V**
**Value: 10UF/25V**
**Package: SMP_M3528 EIA: SM1210**
**Description: CAP TANTALUM**

**Ref Des:** `C12 C19 C4`

**IDX=22 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0) FLT: 10UF/35V**
**Value: 10UF/35V**
**Package: SMP_M6032 EIA: SM2312**
**Description: CAP TANTALUM**

**Ref Des:** `C1`

**IDX=23 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 2 (2/0) FLT: C0805C105J3RACTU**
**Value: 1UF**
**Package: SM0805 or SM0705**
**Description: CAP X7R/BX**

**Ref Des:** `C17 C18`

**IDX=24 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: 885012007054**
**Value: 33PF**
**Package: SM0805 or SM0705**
**Description: CAP CER NPO 50V**

**Ref Des:** `C109`

**IDX=25 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: C080547C2F5GACTU**
**Value: 4700PF**
**Package: SM0805 or SM0705**
**Description: CAP NPO/BP**

**Ref Des:** `C8`

**IDX=26 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 3 (0/3) FLT: BAV99-7-F**
**Value: BAV99**
**Package: SOT23-3**
**Description: DIODE**

**Ref Des:** `D13 D4 D6`

**IDX=27 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: LM4040CIM3-10.0/NOPB**
**Value: LM4040-N**
**Package: SOT23-3**
**Description: VOLTAGE REFERENCE(10V)**

**Ref Des:** `DZ2`

**IDX=28 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 4 (4/0) FLT: LTL-4223**
**Value: LTL-4223**
**Package: LED_T1-3/4C**
**Description: LED RED DIFF 19MCD**

**Ref Des:** `D1 D3 D5 D7`

**IDX=29 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: VS-3EMU06-M3/5AT**
**Value: VS-3EMU06**
**Package: DO214AC**
**Description: DIODE 3A**

**Ref Des:** `D2`

**IDX=30 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: 0685T1000-01**
**Value: 0685T1000-01**
**Package: SM1206**
**Description: FUSE 1000ma**

**Ref Des:** `F1`

**IDX=31 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: 0705530005**
**Value: 0705530005**
**Package: HDR_50-57-9406**
**Description: CONN-LTCH-MOLEX-R/A 6**

**Ref Des:** `J9`

**IDX=32 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: 825-22-003-10-004101**
**Value: 825-22-003-10-004101**
**Package: HDR_1X3_825**
**Description: POGO PIN ASSY 3**

**Ref Des:** `JH2`

**IDX=33 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: PBC02DAAN**
**Value: PBC02DAAN**
**Package: HDR_2X2/JMP**
**Description: JUMPER HEADER**

**Ref Des:** `JP1`

**IDX=34 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: PBC02SAAN**
**Value: PBC02SAAN**
**Package: HDRB_2**
**Description: JUMPER HEADER**

**Ref Des:** `JP2`

**IDX=35 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: SJ-3524-SMT-TR**
**Value: SJ-3524**
**Package: SJ-352X**
**Description: CONN JACK STEREO**

**Ref Des:** `J2`

**IDX=36 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 4 (4/0) FLT: CDSA56R2WF**
**Value: CDSA56**
**Package: LTS-6750**
**Description: LED 7 SEG 60mcd**

**Ref Des:** `LED1 LED2 LED3 LED4`

**IDX=37 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: 75869-131LF**
**Value: 75869-131LF**
**Package: HDR_2X3**
**Description: CONNECTOR**

**Ref Des:** `PJ1`

**IDX=38 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: 825-22-006-10-004101**
**Value: 825-22-006-10-004101**
**Package: HDR_1X6_825**
**Description: POGO PIN ASSY 6**

**Ref Des:** `PH1`

**IDX=39 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: M55342**
**Value: 0**
**Package: SM0603-3**
**Description: RES Jumper**

**Ref Des:** `R104`

**IDX=40 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: M55342K06B1E00TW**
**Value: 1.00K**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R51`

**IDX=41 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: M55342K06B1E27TW**
**Value: 1.27K**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R56`

**IDX=42 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 5 (0/5) FLT: M55342K12B1E21TW**
**Value: 1.2K**
**Package: SM0603**
**Description: RES THK-FLM**

**Ref Des:** `R13 R23 R33 R43 R53`

**IDX=43 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: M55342K06B1E50TW**
**Value: 1.5K**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R7`

**IDX=44 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: M55342K12B1E82TW**
**Value: 1.8K**
**Package: SM0603**
**Description: RES THK-FLM**

**Ref Des:** `R9`

**IDX=45 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 2 (0/2) FLT: M55342K06B10E0TW**
**Value: 10.0K**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R18 R38`

**IDX=46 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 2 (0/2) FLT: M55342K12B100ETW**
**Value: 100K**
**Package: SM0603**
**Description: RES THK-FLM**

**Ref Des:** `R105 R106`

**IDX=47 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: M55342K06B100DTW**
**Value: 100**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R6`

**IDX=48 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 11 (2/9) FLT: M55342K12B10E0TW**
**Value: 10K**
**Package: SM0603**
**Description: RES THK-FLM**

**Ref Des:** `R101 R102 R103 R107 R48 R59 R60 R61 R62 R63 R8`

**IDX=49 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (1/0) FLT: CRCW08051K00FKEA**
**Value: 1K**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R5`

**IDX=50 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 1 (0/1) FLT: M55342K06B2E32TW**
**Value: 2.32K**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R50`

**IDX=51 BRD=A102_73189 Time=2021-04-24T08:51**
**Qty: 3 (0/3) FLT: M55342K06B2E49TW**
**Value: 2.49K**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R28 R52 R54`

**IDX=52 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 36 (16/20)** **FLT: M55342K06B22D0TW**
**Value: 22**
**Package: SM0805C**
**Description: RES THK-FLM**

**Ref Des:** `R1 R10 R11 R12 R14 R15 R16 R17 R19 R2 R20 R21 R22 R24 R25 R26 R27 R29 R3 R30 R31 R32 R34 R35 R36 R37 R39 R4 R40 R41 R42 R44 R45 R46 R47 R49`

**IDX=53 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0)** **FLT: M55342K06B4E99TW**
**Value: 4.99K**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R57`

**IDX=54 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0)** **FLT: M55342K06B5E36TW**
**Value: 5.36K**
**Package: SM0805 or SM0705**
**Description: RES THK-FLM**

**Ref Des:** `R55`

**IDX=55 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (0/1)** **FLT: Do NOT Install**
**Value: N/A 11.0K**
**Package: SM0805 or SM0705**
**Description: N/A Not Applicable**

**Ref Des:** `R58`

**IDX=56 BRD=A102_73189 Time=2021-04-24T08:51**

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

**Ref Des:** `SW1`

**IDX=57 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (0/1)** **FLT: 24CW1280T-I/OT**
**Value: 24CW128**
**Package: SOT23-5**
**Description: I2C FLASH MEMORY**

**Ref Des:** `U12`

**IDX=58 BRD=A102_73189 Time=2021-04-24T08:51**

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

**Ref Des:** `U6`

**IDX=59 BRD=A102_73189 Time=2021-04-24T08:51**

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

**Ref Des:** `U9`

**IDX=60 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0)** **FLT: SN74LVC2G07DBVR**
**Value: 74LVC2G07**
**Package: SOT23-6**
**Description: LOGIC GATE OD**

**Ref Des:** `U10`

**IDX=61 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (0/1)** **FLT: LMV321IDBVR**
**Value: LMV321**
**Package: SOT23-5**
**Description: OP AMP**

**Ref Des:** `U7`

**IDX=62 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (0/1)** **FLT: MAX6102EUR+T**
**Value: MAX6102**
**Package: SOT23-3**
**Description: Voltage Ref 2.5V**

**Ref Des:** `U11`

**IDX=63 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 5 (5/0)** **FLT: TLC5917IDR**
**Value: TLC5917**
**Package: SO16**
**Description: IC LED DRIVER**

**Ref Des:** `U1 U2 U3 U4 U5`

**IDX=64 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0)** **FLT: VX7803-1000R**
**Value: VX7803-1000R**
**Package: TO220-3**
**Description: SWITCHMODE REG(6.0V)**

**Ref Des:** `VR1`

**IDX=65 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0)** **FLT: ABL-20.000MHZ-B2**
**Value: ABL-20.000MHZ**
**Package: HC49U**
**Description: CRYSTAL 20.000MHZ 18PF**

**Ref Des:** `X101`

**IDX=66 BRD=A102_73189 Time=2021-04-24T08:51**

**Qty: 1 (1/0) FLT: Z16F2811FI20SG**
**Value: Z16F2811**
**Package: QFP80**
**Description: ZNEO PROCESSOR 128K**

**Ref Des:** `ZNEO`

**LAST LABEL -> 57 labels for A102_73189_1 <- LAST LABEL**
**Label FIle Generated: 2021-04-24T08:51**
**BOM ULP: bom_2019_45.ulp V2.45a; 09 NOV 2020**
**Master Parts: /usr/local/eagle-6.5.0/db/master_parts_list.gse**
**Drawing Number: 2D354-102-73189.1**
**Use Avery 5162/5262/5522 or equivalent**