

TITLE: Bill of Materials
 BOM NO: 05-065522-01-b.csv
 DATE: 11/02/2021
 DESIGN: 02_065522b_top
 TEMPLATE: Z:\allegro\v172_site\cdssetup\template.bom
 CALLOUT: C:\tmp\20_065522b\worklib\02_065522b_top\bom\065522.callouts

| ITEM# | Qty | WW_PN | DESCRIPTH | VALUE | JEDEC_TYF | TOL | VOLTAGE | WATTAGE | LOCATION | MFG | MFG_PN | HLM_STAT | STOCKROC | STOCKROC | STOCKROC | STOCKROC | STOCKROC | STOCKROC | CUSTOM_I | DNI |
|-------|-----|-----------|-------------|-----------|-----------|--------|---------|---------|------------|------------|-----------|----------|-----------|----------|----------|----------|----------|----------|----------|-----|
| 1 | 1 | 08-065522 | PCB | ? | ? | ? | ? | ? | ? | Analog Dev | 08-065522 | N/A | ? | ? | ? | ? | ? | ? | ? | ? |
| 2 | 6 | E019607 | CONN-PCB | RED | CNKEY500 | N/A | N/A | N/A | /ERR,_CS_ | KEYSTONE | 5005 | REL | N/A | N/A | N/A | N/A | N/A | N/A | 6001624 | ? |
| 3 | 6 | E025769 | IND FERRI | 1.8K OHM | L0402 | | 25 | N/A | B1,B2,B3,B | MURATA | BLM15HD | REL | N/A | N/A | N/A | N/A | N/A | N/A | 7001397 | ? |
| 4 | 8 | E028141 | CAP CER 0. | 0.1uF | C0402 | | 10 | 16V | C1,C2,C5,C | MURATA | GCM155R | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 6 | 12 | E028612 | CAP CER 4. | 4700pF | C0402 | | 10 | 50V | C11,C12,C | MURATA | GCM155R | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 7 | 5 | E040140 | CAP CER 2. | 270pF | C0402 | | 10 | 50V | C23,C24,C | MURATA | GCM155R | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 9 | 6 | E025259 | CAP CER 1i | 1uF | C0402H22 | | 10 | 16V | C3,C4,C6,C | TAIYO YUC | EMK105B | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 10 | 3 | E026562 | CAP CER 1i | 10uF | C0805H60 | | 10 | 10V | C40,C44,C | WURTH EL | 8.85E+11 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 11 | 3 | E033499 | CAP CER 4. | 4700pF | C1812H79 | | 10 | 2000V | C42,C51,C | MURATA | GR443DR | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 15 | 12 | E029813 | DIO TVS BI | SMAJ33C | DO2144C_ | N/A | 33V | N/A | D1,D2,D3,I | ST MICROE | SMAJ33C | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 16 | 1 | E040298 | DIO TVS UI | SMAJ5.0A | DO2144C_ | N/A | 5V | 400W | D18 | ST MICROE | SMAJ5.0A | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 18 | 5 | E024841 | DIODE TVS | SMAJ10C | DO2144C_ | N/A | 10V | 400W | D5,D6,D7,I | ST MICROE | SMAJ10C | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 19 | 1 | E018253 | LED SMD 0 | TLMS100C | LED0603 | N/A | N/A | N/A | ERR | VISHAY | TLMS100C | REL | N/A | N/A | N/A | N/A | N/A | N/A | 7004239 | ? |
| 20 | 2 | E005891 | CONN-PCB | 5015 | CNKEY501 | N/A | N/A | N/A | GND1,GNC | KEYSTONE | 5015 | REL | ADD_TO_S | N/A | N/A | N/A | N/A | N/A | 6001627 | ? |
| 21 | 1 | E014907 | CONN-PCB | M20-999C | CNHDR1X | N/A | N/A | N/A | J1 | HARWIN | M20-9990 | REL | N/A | N/A | N/A | N/A | N/A | N/A | 6002140 | ? |
| 22 | 2 | E020478 | CONN-PCB | SSQ-108-C | CNSAMTEI | N/A | N/A | N/A | J7,J10 | SAMTEC | SSQ-108-C | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 23 | 1 | E020488 | CONN-PCB | SSQ-103-C | CNSAMTEI | N/A | N/A | N/A | J11 | SAMTEC | SSQ-103-C | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 24 | 1 | E016993 | CONN-PCB | FX8-120S- | CNHR5FX8 | N/A | N/A | N/A | J12 | HRS | FX8-120S- | NON-PREF | N/A | N/A | N/A | N/A | N/A | N/A | 6000923 | ? |
| 26 | 1 | E024394 | CONN-PCB | TLW-104-I | CNHDR2X | N/A | N/A | N/A | J14 | SAMTEC | TLW-104-I | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 27 | 1 | E017336 | CONN-PCB | 1803280 | CNHDRRA | N/A | N/A | N/A | J4 | PHOENIX | 1803280 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 28 | 1 | E020477 | CONN-PCB | SSQ-106-C | CNSAMTEI | N/A | N/A | N/A | J8 | SAMTEC | SSQ-106-C | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 29 | 1 | E020479 | CONN-PCB | SSQ-110-C | CNSAMTEI | N/A | N/A | N/A | J9 | SAMTEC | SSQ-110-C | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 30 | 2 | E010843 | CONN-PCB | M20-999C | CNHARWII | N/A | N/A | N/A | LK1,LK2 | HARWIN | M20-9990 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 31 | 8 | E020218 | CONN-PCB | TSW-101-I | CNHDR2X | N/A | N/A | N/A | LK9,LK10,L | SAMTEC | TSW-101-I | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 32 | 1 | E017878 | CONN-PCB | M20-999C | CNHDR1X | N/A | N/A | N/A | LK3 | HARWIN | M20-9990 | REL | N/A | N/A | N/A | N/A | N/A | N/A | 6002139 | ? |
| 33 | 3 | E029107 | CONN-PCB | TLW-103-I | CNTHMHD | N/A | N/A | N/A | LK4,LK5,LK | SAMTEC | TLW-103-I | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 34 | 4 | E043853 | CONN-PCB | 1860870 | CNPHOENI | N/A | N/A | N/A | P1,P2,P3,P | PHOENIX | 1860870 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 35 | 1 | E027457 | LED EXCEL | SML-D12P | LED0603_ | N/A | 2.2V | N/A | PWR | ROHM | SML-D12P | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 36 | 4 | E025232 | RES SMD 0 | 0 | R0402 | JUMPER | N/A | 1/16W | R1,R2,R47, | YAGEO | RC0402JR | REL | N/A | N/A | N/A | N/A | N/A | N/A | 7008627 | ? |
| 37 | 12 | E004213 | RES SMD 1 | 180 | R0603 | | 1 | N/A | R10,R11,R | MULTICOM | MC 0.063 | REL | ADD_TO_S | N/A | 911-148 | N/A | N/A | 7006355 | ? | |
| 38 | 5 | E013586 | RES SMD 3 | 3K | R0603 | | 1 | N/A | R18,R19,R | PANASONI | ERJ-3KF3 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 39 | 8 | E003452 | RES SMD 3 | 33 | R0402 | | 5 | N/A | R27,R28,R | PANASONI | ERJ-2GEJ3 | REL | A003-0021 | 41816DG8 | N/A | N/A | N/A | N/A | N/A | ? |
| 40 | 1 | E003446 | RES SMD 2 | 2.2K | R0402 | | 5 | N/A | R3 | PANASONI | ERJ-2GEJ2 | REL | A003-0021 | 41816DG1 | N/A | 1420_CAB | N/A | N/A | N/A | ? |
| 41 | 1 | E019660 | RES SMD 1 | 14K | R0402 | | 1 | N/A | R36 | VISHAY | CRCW040 | REL | N/A | N/A | N/A | N/A | N/A | N/A | 7006163 | ? |
| 42 | 1 | E010876 | RES SMD 1 | 16.9K | R0402 | | 1 | N/A | R37 | PANASONI | ERJ-2RF1 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 43 | 1 | E030849 | RES SMD 1 | 10K | R0402 | | 1 | N/A | R38 | VISHAY | CRCW040 | REL | N/A | N/A | N/A | N/A | N/A | N/A | 7000582 | ? |
| 44 | 2 | E031023 | RES SMD 4 | 4.7MEG | R2010 | | 5 | N/A | R39,R40 | BOURNS | CHV2010- | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 45 | 4 | E017855 | RES SMD 1 | 100K | R0402 | | 1 | 50V | R4,R5,R45, | MULTICOM | MC 0.062 | REL | N/A | N/A | N/A | N/A | N/A | N/A | 7005772 | ? |
| 46 | 1 | E020936 | RES SMD 1 | 1K | R0402 | | 5 | N/A | R41 | YAGEO | RC0402JR | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 47 | 2 | E018430 | RES SMD 1 | 100K | R0603 | | 1 | N/A | R42,R44 | MULTICOM | MC 0.063 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 49 | 4 | E008190 | RES SMD 4 | 4.7K | R0402 | | 1 | 50V | R6,R7,R8,R | PANASONI | ERJ-2RF4 | REL | N/A | N/A | N/A | N/A | 1548_CAB | 7007535 | ? | |
| 50 | 1 | E044799 | IC-ADI SINI | AD4116B | QFN40_6X | N/A | N/A | ? | U1 | ANALOG D | AD4116B | RWC | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 51 | 1 | E016680 | IC-ADI ULT | ADR4525E | SO8 | | N/A | ? | U2 | ADI | ADR4525E | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 52 | 1 | E045224 | IC-ADI QUJ | ADUM641 | SSOP24-2 | N/A | N/A | ? | U3 | ANALOG D | ADUM641 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 53 | 1 | E021018 | IC 32KBIT | 24LC32A | SO8 | | N/A | ? | U4 | MICROCHI | 24LC32A | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 54 | 1 | E022111 | IC CRYSTAL | 16MEGHZ | YSML98W | 10PPM | N/A | N/A | Y1 | EPSON TO | Q24FA20 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |

Callouts File: C:\tmp\20_065522b\worklib\02_065522b_top\bom\065522.callouts
 Mechanical Parts

| ITEM# | Qty | WW_PN | DESCRIPTH | VALUE | JEDEC_TYF | TOL | VOLTAGE | WATTAGE | LOCATION | MFG | MFG_PN | HLM_STAT | STOCKROC | STOCKROC | STOCKROC | STOCKROC | STOCKROC | STOCKROC | CUSTOM_I | DNI |
|-------|-----|---------|-----------|-------|-----------|-----|---------|---------|----------|---------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|
| 2 | 1 | M019584 | PLUG, TER | ? | N/A | ? | ? | ? | ? | PHOENIX | 1803581 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 3 | 15 | M036050 | SHUNT 2 | (| N/A | ? | ? | ? | ? | SAMTEC | SNT-100-E | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 4 | 2 | M022277 | NUT, NYLC | ? | N/A | ? | ? | ? | ? | DURATOO | 1140030 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 5 | 2 | M022276 | SCREW, NY | ? | N/A | ? | ? | ? | ? | DURATOO | 1.19E+08 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 6 | 2 | M022278 | MISC, BUN | ? | N/A | ? | ? | ? | ? | 3M | SJ5076 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 7 | 4 | M032011 | PLUG, SPO | ? | N/A | ? | ? | ? | ? | PHOENIX | 1803604 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |

The following components are part of the PCB or are NOT to be installed

| ITEM# | Qty | WW_PN | DESCRIPTH | VALUE | JEDEC_TYF | TOL | VOLTAGE | WATTAGE | LOCATION | MFG | MFG_PN | HLM_STAT | STOCKROC | STOCKROC | STOCKROC | STOCKROC | STOCKROC | STOCKROC | CUSTOM_I | DNI |
|-------|-----|---------|------------|---------|-----------|-----|---------|---------|-----------|-----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|-----|
| 5 | 2 | E025259 | CAP CER 1i | 1uF | C0402H22 | | 10 | 16V | C9,C10 | TAIYO YUC | EMK105B | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 8 | 8 | E007204 | CAP CER 0. | 0.1uF | C0603 | | 10 | 25V | C28,C29,C | TDK | C1608X8R | REL | A004-0012 | 40302DG4 | N/A | N/A | N/A | N/A | 7002123 | ? |
| 12 | 4 | E028141 | CAP CER 0. | 0.1uF | C0402 | | 10 | 16V | C45,C46,C | MURATA | GCM155R | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 13 | 1 | E033499 | CAP CER 4. | 4700pF | C1812H79 | | 10 | 2000V | C50 | MURATA | GR443DR | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 14 | 2 | E019607 | CONN-PCB | RED | CNKEY500 | N/A | N/A | N/A | CLK,REFLO | KEYSTONE | 5005 | REL | N/A | N/A | N/A | N/A | N/A | N/A | 6001624 | ? |
| 17 | 1 | E014780 | DIODE SCH | B0530W- | SOD123-3 | N/A | 30V | N/A | D20 | DIODES IN | B0530W- | REL | N/A | N/A | N/A | N/A | N/A | N/A | 7003740 | ? |
| 25 | 1 | E041784 | CONN-PCB | 5024 | CNKEY502 | N/A | N/A | N/A | J13 | KEYSTONE | 5024 | REL | N/A | N/A | N/A | N/A | N/A | N/A | N/A | ? |
| 48 | 1 | E005803 | RES SMD 0 | 0 | R0603 | N/A | N/A | N/A | R43 | VISHAY | CRCW060 | REL | ADD_TO_S | N/A | N/A | N/A | N/A | N/A | 7005386 | ? |