

Bill of Materials

MCP3221 SAR ADC EVB

Part Number: EV55L49A
 Assy Number: 02-00326
 PCB Number: 04-11442
 Revision: 1
 Creation Date: 06-Jun-22



| Designator | Description | Manufacturer | Part Number |
|-------------------------|--|---------------------------------|--------------------|
| C1, C3, C5, C6, C7, C8 | CAP CER 1uF 16V 10% X7R SMD 0603 | Würth Electronics Inc | 885012206052 |
| C2, C4 | CAP CER 4.7uF 10V 10% X5R SMD 0603 | KEMET | C0603C475K8PACTU |
| C9, C10, C11 | CAP CER 0.1uF 16V 10% X7R SMD 0603 | AVX | 0603YC104KAT2A |
| D1 | DIO SCTKY 1PS76SB10 800mV 200mA 30V SOD-323 | NXP Semiconductors | 1PS76SB10.115 |
| FB1, FB2 | FERRITE BEAD 1 KOHM 0603 1LN | Würth Electronics Inc. | 742792662 |
| J1 | CON TERMINAL 5.08mm 1x2 EUROSTYLE TH RA | Adam Tech | EB21A-02-D |
| J2 | CON USB2.0 MICRO-B FEMALE SMD R/A | FCI | 10118192-0001LF |
| J3, J4 | CON HDR-2.54 Male 1x8 Gold 5.84MH TH | FCI | 68001-108HLF |
| LABEL1 | LABEL PCBA 18x6mm Datamatrix Assy# / Rev / Serial / Date | ACT Logimark AS | 505462 |
| LD1 | DIO LED GREEN 3.2V 20mA 430mcd Clear SMD 0603 | Würth Electronics Inc | 150060GS75000 |
| R1, R2, R3, R5 | RES TF 10k 1% 1/16W SMD 0603 | TE Connectivity Passive Product | CPF0603F10KC1 |
| R4 | RES TKF 100R 1% 1/10W SMD 0603 | Panasonic | ERJ-3EKF1000V |
| Microchip Parts | | | |
| U1 | MCHP ANALOG LDO 3.3V MCP1754ST-3302E/CB SOT-23A-3 | Microchip Technology | MCP1754ST-3302E/CB |
| U2 | MCHP INTERFACE USB I2C UART MCP2221A-I/ST TSSOP-14 | Microchip Technology | MCP2221A-I/ST |
| U3 | MCHP ANALOG ADC-SAR 12-bit MCP3221A5T-E/OT SOT-23-5 | Microchip Technology | MCP3221A5T-E/OT |
| Mechanical Parts | | | |
| CBL1 | MECH HW CABLE USB Male A TO USB Male Micro-B 0.91M | Qualtek | 3025030-03 |