

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