

SeeStar Arduino ProMini Controller Board Drawing #10021167

Ref	Value	Manufacturer	Manufacturer PN	Description
BT1	BH501	MPD	BH501	HOLDER COIN CELL FOR 12MM CELL
C1	0.1uF	TDK Corporation	C1608X7R1H104K	CAP CER 0.1UF 50V 10% X7R 0603
C2	47uF	United Chemi-con	EMVE500ADA470MF80G	
C3	68uF	AVX Corporation	TAJD686K016RNJ	CAP TANTALUM 68UF 16V 10% SMD
C4	0.10uF	Kemet	C0603C104K4RAC	CAP, CER, 0.10uF, 16V, 10%, X7R, 0603
C5	0.1uF	TDK Corporation	C1608X7R1H104K	CAP CER 0.1UF 50V 10% X7R 0603
C6	0.10uF	Kemet	C0603C104K4RAC	CAP, CER, 0.10uF, 16V, 10%, X7R, 0603
C7	0.10uF	Kemet	C0603C104K4RAC	CAP, CER, 0.10uF, 16V, 10%, X7R, 0603
C8	0.10uF	Kemet	C0603C104K4RAC	CAP, CER, 0.10uF, 16V, 10%, X7R, 0603
C9	0.10uF	Kemet	C0603C104K4RAC	CAP, CER, 0.10uF, 16V, 10%, X7R, 0603
C10	0.10uF	Kemet	C0603C104K4RAC	CAP, CER, 0.10uF, 16V, 10%, X7R, 0603
D1	B340A-13-F	Diodes Inc	B340A-13-F	DIODE SCHOTTKY 3A 40V SMA
D2	LTST-C150TBKT	Lite-On Inc	LTST-C150TBKT	LED 468NM BLUE CLEAR 1206 SMD
D3	LTST-C150KRKT	Lite-On Inc	LTST-C150KRKT	LED SUPER RED CLEAR 1206 SMD
D4	LTST-C150KGKT	Lite-On Inc	LTST-C150KGKT	LED GREEN CLEAR 1206 SMD
F1	0154004.DRT	Littelfuse Inc	0154004.DRT	FUSE SLOW 125VAC, 125VDC 4A SMD
J1	1725656	Phoenix Contact	1725656	CONN TERM BLOCK 2.54MM 2POS
J2	TSW-103-07-S-S	Samtec Inc	TSW-103-07-S-S	CONN HEADER 3POS .100" SGL GOLD
J3	1725656	Phoenix Contact	1725656	CONN TERM BLOCK 2.54MM 2POS
J4	SSW-103-01-T-S	Samtec Inc	SSW-103-01-T-S	CONN RCPT .100" 3POS SNGL TIN
J5	1725656	Phoenix Contact	1725656	CONN TERM BLOCK 2.54MM 2POS
J6	TSW-102-17-T-S	Samtec Inc	TSW-102-17-T-S	CONN HEADER 2POS .100" SNGL TIN
J7	SSW-102-01-T-S	Samtec Inc	SSW-102-01-T-S	CONN RCPT .100" 2POS SNGL TIN
J8	SSW-112-01-T-S	Samtec Inc	SSW-112-01-T-S	CONN RCPT .100" 12POS SNGL TIN
J9	SSW-112-01-T-S	Samtec Inc	SSW-112-01-T-S	CONN RCPT .100" 12POS SNGL TIN
J10	SSW-102-01-T-S	Samtec Inc	SSW-102-01-T-S	CONN RCPT .100" 2POS SNGL TIN
L1	33uH	Bourns Inc.	SRN6045-330M	FIXED IND 33UH 1.4A 188 MOHM SMD
Q1	SI2369DS-T1-GE3	Vishay Siliconix	SI2369DS-T1-GE3	MOSFET P-CH 30V 7.6A TO-236
Q2	IRF7509TRPBF	International Rectifier	IRF7509TRPBF	MOSFET N/P-CH 30V 2.7A/2A MICRO8
Q3	IRF7509TRPBF	International Rectifier	IRF7509TRPBF	MOSFET N/P-CH 30V 2.7A/2A MICRO8
Q4	MMBT3904	Fairchild Semiconductor	MMBT3904	TRANSISTOR GP NPN AMP SOT-23
R1	0.02	Vishay Dale	WSL1206R0200FEA	RES .02 OHM 1/4W 1% 1206 SMD

R2	1.00M	Vishay	CRCW06031M00FKEA	
R3	121.0K	Vishay	CRCW0603121KFKEA	
R4	22.1K	Vishay	CRCW060322K1FKEA	
R5	383.0K	Vishay	CRCW0603383KFKEA	
R6	100.0K	Vishay/Dale	CRCW0603100KFKEA	RES 100K OHM 1/10W 1% 0603 SMD
R7	100.0K	Vishay/Dale	CRCW0603100KFKEA	RES 100K OHM 1/10W 1% 0603 SMD
R8	100.0K	Vishay/Dale	CRCW0603100KFKEA	RES 100K OHM 1/10W 1% 0603 SMD
R9	100.0K	Vishay/Dale	CRCW0603100KFKEA	RES 100K OHM 1/10W 1% 0603 SMD
R10	100.0K	Vishay/Dale	CRCW0603100KFKEA	RES 100K OHM 1/10W 1% 0603 SMD
R11	1.69K	Vishay	CRCW06031K69FKEA	
R12	1.69K	Vishay	CRCW06031K69FKEA	
R13	294	Vishay	CRCW0603294RFKEA	
R14	100.0K	Vishay/Dale	CRCW0603100KFKEA	RES 100K OHM 1/10W 1% 0603 SMD
R15	10.0K	Vishay	CRCW060310K0FKEA	
R16	0.0	Vishay/Dale	CRCW06030000Z0EA	RES 0.0 OHM 1/10W 0603 SMD
R17	0.0	Vishay/Dale	CRCW06030000Z0EA	RES 0.0 OHM 1/10W 0603 SMD
R18	0.0	Vishay/Dale	CRCW06030000Z0EA	RES 0.0 OHM 1/10W 0603 SMD
R19	0.0	Vishay/Dale	CRCW06030000Z0EA	RES 0.0 OHM 1/10W 0603 SMD
U1	MAX5035BASA+	Maxim Integrated	MAX5035BASA+	IC REG BUCK 5V 1A 8SOIC
U2	MAX4372FEUK+T	Maxim Integrated Products	MAX4372FEUK+T	IC AMP GAIN +50V/V PREC SOT23-5
U3	AD8603AUJZ	Analog Devices Inc	AD8603AUJZ-REEL7	IC OPAMP GP R-R CMOS TSOT23-5
U4	MAX3311CUB+	Maxim Integrated	MAX3311CUB+	IC TXRX RS232 460KBPS 10-UMAX
U5	DS3234S#	Maxim Integrated Products	DS3234S#	IC RTC W/TCXO 20-SOIC
V1	SOLDER_PAD			0.125" x 0.250" TEST PAD
V2	SOLDER_PAD			0.125" x 0.250" TEST PAD