



### M52259DEMOMCU BOM

Item	Qty	P/N	Title	Detail	Reference(m)	Mfr	Mfr P/N
1	2	CCS102V50C	Cap-Cer-Smt(R)	(0603) 1000pF,50V	C1,C40	Meritek	MA0603XR102K500
2	25	CCS104V16C	Cap-Cer-Smt(R)	(0603) .1uF,16V	C2- C16,C20,C26,C29,C3 2,C35,C37- C39,C41,C42	Meritek	MA0603XR104K160
3	1	CCS105V16D	Cap-Cer-Smt(R)	(0805) 1uF,16V	C30	Meritek	MA0805XR105K160
4	1	CCS106V10D	Cap-Cer-Smt(R)	(0805) 10uf,10V,X5R,10%	C27		
5	6	CCS180V50C	Cap-Cer-Smt(R)	(0603) 18pF,50V, npo/cog,5%	C18,C19,C22,C23,C2 5,C33	Meritek	MA0603CG180J500
6	1	CCS475V10DY	Cap-Cer-Smt(R)	(0805) 4.7uF,10V,Y5V	C28	Meritek	MA0805YV475Z100
7	6	CTS106V10A	Cap-Tant-Smt(R)	(SMA) 10uF,10V	C17,C21,C24,C31,C3 4,C36	Avx	TAJA106K010R
14	2	JSSD2X50	Conn-Hdr Skt-Smt(R)	2x50 Hdr Skt,Female, .5mm SP, H=3.5mm	J1B,J2B	GradConn	BB02-PG002-KE8- 000000
13	1	JPTA1X2	Conn-Pin Hdr-Thru(R)	1x2 Header	J5	Keltron	PH1-2S-G-F1
15	1	JYSUSB-MAB	Conn-USB-Smt(R)	USB,Mini AB,RA	J3	Molex	56579-0576
16	1	JYTUSB-B	Conn-USB-Thru(R)	USB-B,RA	J6		
50	1	Y32.768KTC	Crystal-Cylnr-Thru(R)	(3X8) 32.768KHz,3.3V	Y1	Ecs Int'l.	ECS-3X8X
45	1	Y48MSB	Crystal-Smt(R)	(CS10) 48MHz,18pF	Y2	Citizen	CS10-48.000MABJ- UT
46	1	Y4MSA	Crystal-Smt(R)	(HC49S) 4MHz,Sht Can	Y3	Fox	FOXSDLF/040
8	2	DK10BQ015	Dio-Smt(R)	(SMB) 10BQ015,Schtky,1A,15V	D1,D2	Int Rectifier	10BQ015TRPBF
9	1	DKBAT54CA	Dio-Smt(R)	(Sot23) BAT54C,Schtky, 30V, 200mA,Dual Com Cat	D3	Micro Elec	BAT54C
41	2	UST-NC7SZ125	IC-Buffer-Smt(R)	(Sot23-5) NC7SZ125,Single, 3S	U3,U8	Fairchild	NC7SZ125M5X
42	2	UT74125LVC	IC-Buffer-Smt(R)	(Tssop14) 74LVC125,Quad	U4,U6	TI	SN74LVC125APWR
43	1	UT74573ACT	IC-Logic-Smt(R)	(Tssop20) 74ACT573,Oct D Latch,3 St,Transp	U7	TI	SN74ACT573PWR
38	1	UQ449S08JM60MC	IC-Microp-Smt(R)	(Lqfp44) MC9S08JM60	U2	Freescale	MC9S08JM60CLD
39	1	UQ52259MCF	IC-Microp-Smt(R)	(Lqfp144) MCF52259	U1	Freescale	MCF52259CAG80
40	1	US20261MIC	IC-Power-Smt(R)	(Soic8) MIC20261YM, Dual Pwr Sw,5V	U5	Micrel	MIC2026-1YM TR
17	4	LSF330C	Ind-FB-Smt(R)	(0805) 330 Ohms@ 100M,1.5A	Fb1-Fb4	Murata	BLM21PG331SN1D
10	5	DLSB-G	LED-Smt(R)	(1206) Green	Led1-Led4,Status	Micro Elec	150YG
11	1	DLSB-R	LED-Smt(R)	(1206) Red	Reset	Micro Elec	150SR
12	1	DLSB-Y	LED-Smt(R)	(1206) Yellow	Tpwr	Micro Elec	150HY
48	1	DNI-PART	Part-Not Installed		+5V,Jtag_En,Ct1,DD0- DD3,Gnd1,Gnd2,J4,J7 ,Jp1,Vstby		
47	1	PCB-AXM0452	Pcb(R)	Rev B M52259DEMOMCU, 2.5x3,4 Lyr	Pcb		
21	2	RCS000C	Res-Carb-Smt(R)	(0603) 0 Ohm,5%	R1,R9	Meritek	CR16-000J
22	4	RCS102C	Res-Carb-Smt(R)	(0603) 1K Ohm,5%	R27,R28,R30,R39	Meritek	CR16-102J
23	11	RCS103C	Res-Carb-Smt(R)	(0603) 10K Ohm,5%	R3,R5,R11,R14,R21, R22,R26,R29,R31,R3 2,R34	Meritek	CR16-103J
24	1	RCS105C	Res-Carb-Smt(R)	(0603) 1M Ohm,5%	R12	Meritek	CR16-105J
25	2	RCS106C	Res-Carb-Smt(R)	(0603) 10M Ohm,5%	R10,R33	Meritek	CR16-106J
26	1	RCS152C	Res-Carb-Smt(R)	(0603) 1.5K Ohm,5%	R16	Meritek	CR16-152J
27	2	RCS153C	Res-Carb-Smt(R)	(0603) 15K Ohm,5%	R17,R18	Meritek	CR16-153J
28	1	RCS271C	Res-Carb-Smt(R)	(0603) 270 Ohm,5%	R8	Meritek	CR16-271J
29	4	RCS330D	Res-Carb-Smt(R)	(0805) 33 Ohm,5%	R19,R20,R35,R36	Meritek	CR10-330J
30	6	RCS472C	Res-Carb-Smt(R)	(0603) 4.7K Ohm,5%	R2,R4,R6,R7,R23,R2 4	Meritek	CR16-472J
31	2	RCS473C	Res-Carb-Smt(R)	(0603) 47K Ohm,5%	R15,R40	Meritek	CR16-473J
32	1	RMS3402C	Res-MF-Smt(R)	(0603) 34K Ohm,1%	R37	Meritek	CR16-3402F
33	1	RMS5622C	Res-MF-Smt(R)	(0603) 56.2K Ohm,1%	R38	Xicon	302-56.2K-RC
34	1	RNS103M	Res-Netw-Smt(R)	(0603x2) 10K Ohm,4P2R,Iso	Rn3	Panasonic	EXB-V4V103JV
35	1	RNS103N	Res-Netw-Smt(R)	(0603x4) 10K Ohm,8P4R,Iso	Rn1	Panasonic	EXB-V8V103JV
36	1	RNS271N	Res-Netw-Smt(R)	(0603x4) 270 Ohm,8P4R,Iso	Rn2	Panasonic	EXB-V8V271JV
51	1	RNS472N	Res-Netw-Smt(R)	(0603x4) 4.7K Ohm,8P4R,Iso	Rn4	Koa	CN1J4TTD472J
37	3	STP02	Sw-PB-Thru(R)	Tact Sw,6mm Sq	Reset_Sw,Sw1,Sw2	E-Switch	EG1827
19	1	QMBSS138	Trans-Mosfet-Smt(R)	(Sot23) BSS138,N-Ch,Sm Signal	Q4	Fairchild	BSS138
18	2	QMIRLML6402A	Trans-Mosfet-Smt(R)	(Sot23) IRLML6402CT, P-Ch, 20V,3.7A	Q5,Q6	Int Rectifier	IRLML6402TRPBF
20	1	QNMMBT3904SA	Trans-NPN-Smt(R)	(Sot23) MMBT3904, 40V,350mW	Q1	Taitron	MMBT3904
49	2	QNPDC1115TA	Trans-NPN-Smt(R)	(Sot23) PDCT1115T, 50V, w/Base Res	Q2,Q3	NXP/Philip s	
44	1	VR5209TL	VReg-Adj-Smt(R)	(Soic8) TL5209DR, LDO, 500mA,w/Shutdown	Vr1	TI	TL5209DR