

DEMO9S08QA4 Rev A

Item	Qty	P/N	Title	Detail	Reference(m)	Vendor	Vendor P/N	Mfr	Mfr P/N
1	3	CCS103V50D	Cap-Cer-Smt(R)	(0805) .01uF,50V	C303,C310,C21	Emtek	MA0805XR103K500	Meritek	MA0805XR103K500
2	18	CCS104V50D	Cap-Cer-Smt(R)	(0805) .1uF,50V	C2,C3,C6,C7,C10,C13 C15,C18,C19,C22,C3 01,C302,C304,C305,C 307-C309	Emtek	MA0805XR104K500	Meritek	MA0805XR104K500
3	3	CCS105V16D	Cap-Cer-Smt(R)	(0805) 1uF,16V	C4,C5,C8	Emtek	MA0805XR105K160	Meritek	MA0805XR105K160
4	3	CCS220V50D	Cap-Cer-Smt(R)	(0805) 22pF,50V, npo/cog,5%	C11,C311,C312	Emtek	MA0805CG220J500	Meritek	MA0805CG220J500
5	1	CCS474V16D	Cap-Cer-Smt(R)	(0805) .47uF,16V	C9	Emtek	MA0805XR474K160	Meritek	MA0805XR474K160
6	1	CES106V35C	Cap-Elec-Smt(R)	(SMC) 10uF,35V, 5x5	C16	Mouser	647-UWX1V100MCL1	Nichicon	UWX1V100MCL1GB
7	1	CES107V16D	Cap-Elec-Smt(R)	(SMD) 100uF,16V,6x5	C12	Emtek	16CAE101S	Surge	16CAE101S
8	3	CTS106V10A	Cap-Tant-Smt(R)	(SMA) 10uF,10V	C1,C17,C20	Avnet	TAJA106K010R	Avx	TAJA106K010R
9	3	CTS475V10A	Cap-Tant-Smt(R)	(SMA) 4.7uF,10V	C306,C313,C314	Avnet	TAJA475K010R	Avx	TAJA475K010R
10	1	DGMMBD6050SA	Dio-Smt(R)	(Sot23) MMBD6050SA,Sw, 70V,200mA (alt BAV99)	D2	Digi-Key	BAV99INCT-ND	Infineon	BAV99E6327
11	1	DKBAT54CA	Dio-Smt(R)	(Sot23) BAT54C,Schtky, 30V, 200mA,Dual Com Cat	D1	Emtek	BAT54C	Micro Elec	BAT54C
12	4	DLSB-G	LED-Smt(R)	(1206) Green	D301,LED1,LED2,VD D	Emtek	150YG	Micro Elec	150YG
13	1	DLSB-Y	LED-Smt(R)	(1206) Yellow	D302	Emtek	150HY	Micro Elec	150HY
14	1	JBTT3-20	Conn-Barl-Thru(R)	Plug 2mm Barrel,RA	Pwr	Emtek	SCD-014	Vimex	SCD-014-PB
15	1	JDT9SRA	Conn-DB9-Thru(R)	Socket (Female),RA	Com	Emtek	DNR-09SJB-SGF1	Keltron	DNR-09SJB-SGF1
16	1	JPTA1X2	Conn-Pin Hdr-Thru(R)	1x2 Header	Vx_En	Emtek	PH1-2S-G-F1	Keltron	PH1-2S-G-F1
17	2	JPTA1X3	Conn-Pin Hdr-Thru(R)	1x3 Header	Pwr_Sel,Comm_En	Emtek	PH1-3S-G-F1	Keltron	PH1-3S-G-F1
18	1	JPTA2X6	Conn-Pin Hdr-Thru(R)	2x6 Header	User_En	Emtek	PH2-12S-G-F1	Keltron	PH2-12S-G-F1
19	1	JSSB2X16P	Conn-Hdr Skt PT-Smt(R)	2x16 Hdr Skt,Pass Thru,.055 Pin,LoPro	J1 (install on bottom)	GradConn	BB02-KS322-K03- A00000	GradConn	BB02-KS322-K03- A00000
20	1	JYTUSB-B	Conn-USB-Thru(R)	USB-B,RA	J301	Mouser	154-2442-E	Kobiconn	154-2442-E
21	2	LSF26D	Ind-FB-Smt(R)	(1206) 26 Ohms,Ferrite,EMI,1.5A	L301,L302	Digi-Key	240-2403-1-ND	Steward	MI1206K260R-10
22	1	LSF330C	Ind-FB-Smt(R)	(0805) 330 Ohms@ 100M,1.5A	FB1	Mouser	81-BLM21P331SG	Murata	BLM21PG331SN1D
23	1	LSPC15	Ind-Pwr-Smt(R)	(1812) 15uH,10%	L2	Digi-Key	445-1958-1-ND	Tdk	NLC453232T-150K- PF
24	1	LSPC220	Ind-Filter-Smt(R)	(1812) 220uH	L1	Digi-Key	495-1759-1-ND	Epcos	B82432T1224K
25	1	LVMC34164DK	IC-Lvl Det5V-Smt(R)	(Soic8) MC34164D,Reset	U301	FAI	MC34164D-5R2-LF	On Semi	MC34164D-5R2G
26	1	QMIRLML6402A	Trans-Mosfet-Smt(R)	(Sot23) IRLML6402CT, P-Ch, 20V,3.7A	U303	Digi-Key	IRLML6402PBFCT- ND	Int Rectifier	IRLML6402TRPBF
27	1	QMNTR4501A	Trans-Mosfet-Smt(R)	(Sot23) NTR4501NT1G,N-Ch, 20V,3.2A	U304	Avnet	NTR4501NT1G	On Semi	NTR4501NT1G
28	1	QRPM075PTD	Trans-Photo-Smt(R)	(0805) RPM-075PT,600Nm	RZ1	Digi-Key	511-1356-1-ND	Rohm	RPM-075PTT86
29	1	RCS102D	Res-Carb-Smt(R)	(0805) 1K Ohm,5%	R306	Emtek	CR10-102J	Meritek	CR10-102J
30	5	RCS103D	Res-Carb-Smt(R)	(0805) 10K Ohm,5%	R5,R7,R13,R14,R312	Emtek	CR10-103J	Meritek	CR10-103J
31	2	RCS105D	Res-Carb-Smt(R)	(0805) 1M Ohm,5%	R11,R303	Emtek	CR10-105J	Meritek	CR10-105J
32	1	RCS152D	Res-Carb-Smt(R)	(0805) 1.5K Ohm,5%	R302	Emtek	CR10-152J	Meritek	CR10-152J
33	1	RCS203D	Res-Carb-Smt(R)	(0805) 20K Ohm,5%	R4	Emtek	CR10-203J	Meritek	CR10-203J
34	3	RCS331D	Res-Carb-Smt(R)	(0805) 330 Ohm,5%	R1,R2,R10	Emtek	CR10-331J	Meritek	CR10-331J
35	1	RCS332D	Res-Carb-Smt(R)	(0805) 3.3K Ohm,5%	R3	Emtek	CR10-332J	Meritek	CR10-332J
36	2	RCS470D	Res-Carb-Smt(R)	(0805) 47 Ohm,5%	R307,R308	Emtek	CR10-470J	Meritek	CR10-470J
37	2	RCS473D	Res-Carb-Smt(R)	(0805) 47K Ohm,5%	R6,R12	Emtek	CR10-473J	Meritek	CR10-473J

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38	1	RCS511D	Res-Carb-Smt(R)	(0805) 510 Ohm,5%	R301	Emtek	CR10-511J	Meritek	CR10-511J
39	2	RCS681D	Res-Carb-Smt(R)	(0805) 680 Ohm,5%	R304,R305	Emtek	CR10-681J	Meritek	CR10-681J
40	2	RMS0330D	Res-MF-Smt(R)	(0805) 33 Ohm,1%	R310,R311	Emtek	CR10-0330F	Meritek	CR10-0330F
41	1	RNS102N	Res-Netw-Smt(R)	(0603x4) 1K Ohm,8P4R,Iso	RP301	Digi-Key	Y4102CT-ND	Panasonic	EXB-V8V102JV
42	1	RNS472M	Res-Netw-Smt(R)	(0603x2) 4.7K Ohm,4P2R,Iso	RP302	Digi-Key	Y2472CT-ND	Panasonic	EXB-V4V472JV
43	1	RPT502THW-01	Res-Pot-Thru(R)	5K Ohm,Thumb Wheel,Offset pins	RV1	Emtek	CE9MH2.5 5K WT	Vimex	CE9MH2.5 5K WT
44	3	STP02	Sw-PB-Thru(R)	Tact Sw,6mm Sq	Reset,SW1,SW2	Emtek	EG1827	E-Switch	EG1827
45	1	SUD8	IC-Skt-Dip(R)	8 Pins	SU1	Avnet	1-390261-2	Tyco/Alco Sw	1-390261-2
46	1	UDMC689S08QA4	IC-Microp-Thru(R)	(Dip08) MC689S08QA4	U1	Freescale	MC9S08QGA4	Freescale	
47	1	USS74G66LVC2	IC-Switch-Smt(R)	(Ssop8) SN74LVC2G66DCT, Analog,Bilateral,Dual	U305	Digi-Key	296-13271-1-ND	TI	SN74LVC2G66DCTR
48	1	USSMAX3218CAP	IC-RS232-Smt(R)	(Ssop20) MAX3218,Dual Xcvr,1.8V-4.5V,ESD	U2	Avnet	MAX3218CAP+T	Maxim/Dal Sem	MAX3218CAP+T
49	1	UST321LMV	IC-OpAmp-Smt(R)	(Sot23-5) LMV321,Quad,R/R	U3	Avnet	LMV321IDBVRE4	TI	LMV321IDBVRE4
50	1	UTQMC9S12UF32PU-2	Prog'd IC-Microp-Smt(R)	(Tqfp100) MC9S12UF32PU, USB-ML12,3.3V	U302	P&E	UF32E_12 (Supplied)	Freescale	MC9S12UF32PUE
51	1	VR4931V3.3K	VReg-3.3V-Smt(R)	(Soic8) L4931CD33, 250mA,Ldo	VR1	Mouser	511-L4931CD33	St Micro	L4931CD33
52	1	Y12MSA	Crystal-Smt(R)	(HC49S) 12.0MHz,18PF	X301	Mouser	695-HCM49-12-U	Citizen	HCM49-12.000MABJ-UT
53	1	PCB-AXM0438	Pcb(R)	Rev A DEMO9S08QA4, 2.95x2.5,2 Lyr	PCB				
55	9	HX003-01	HDW-Shunt(R)	.10 Shunt	User_En(6),Pwr_Sel, Vx_En,Com_En	E-Call	0165-45-1020	E-Call	0165-45-1020
57	1	DNI-CONN	Conn-Not Installed		Bdm_Port,Osc_En,J303	Axiom	DNI-CONN		
58	1	DNI-MISC	Misc-Not Installed		CTS,RTS,Gnd	Axiom	DNI-MISC		
59	1	DNI-PART	Part-Not Installed		C23,C24,R8,R9,R309, Y1	Axiom	DNI-PART		
61	1	DOC-0438-010	Kit-Media-Doc	DEMO9S08QA4 User Guide	Not Supplied	Axiom	DOC-0438-010		
62	1	PKBOX-01K	Kit-Box-Freescale	12.37X9X2.5	Not Supplied	Xpedx	570-75028		
63	1	PKCD-001	Kit-Media-CD	HC(S)08 Support	Not Supplied	Axiom			
64	1	PKDOC-003	Kit-Media-Doc	Quick Start Guide	Not Supplied	Freescale			
65	1	PKFOAM-01K	Kit-Foam-Freescale	8.62x11.25,2 PC,2 Comp,Pink	Not Supplied	Xpedx	570-75085		
66	1	WA011	Kit-Cable-USB(R)	A-B,1.8M,Black,M/M	Not Supplied	Shaxon	USB2ABMM06	Shaxon	USB2ABMM06
67	2	HX004-01	HDW-Rubber Bumpon(R)	0.312"x0.2" (W x H),Flat Top	Feet	Mouser	517-SJ-67A1	3M	SJ-67A1