



Board Name : Memec Spartan-II LC Demo Board
Board Part Number : DS-BD-2SLC
Board Revision : 1
Release : 1
Date : May 26th, 2003
Designer : JBE

Item	Qty	Reference	Part Number	Description	Manufacturer	Supplier	DEPOP	CUSTOMIZATION NOTES
1	4	C1	CAP-0227-X7R-2020-1206-010	2.2uF ceramic capacitor, 1206 10V X7R -20/+20%				
		C3	CAP-0227-X7R-2020-1206-010	2.2uF ceramic capacitor, 1206 10V X7R -20/+20%				
		C160	CAP-0227-X7R-2020-1206-010	2.2uF ceramic capacitor, 1206 10V X7R -20/+20%				
		C163	CAP-0227-X7R-2020-1206-010	2.2uF ceramic capacitor, 1206 10V X7R -20/+20%				
2	16	C8	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C10	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C12	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C13	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C14	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C15	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C16	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C35	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C36	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C37	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C61	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C62	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C89	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C90	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C98	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
		C99	CAP-1009-X7R-2020-0603-006	0.1uF ceramic capacitor, 0603 6V X7R -20/+20%				
3	16	C27	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C29	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C30	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C31	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C32	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C33	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C85	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C86	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C87	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C88	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C94	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C95	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C96	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C97	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C161	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
		C164	CAP-0109-X7R-2020-0402-006	0.01uF ceramic capacitor, 0402 6V X7R -20/+20%				
4	5	C39	CAP-0016-X5R-2020-0603-006	1uF ceramic capacitor, 0603 6V X5R -20/+20%				
		C40	CAP-0016-X5R-2020-0603-006	1uF ceramic capacitor, 0603 6V X5R -20/+20%				
		C92	CAP-0016-X5R-2020-0603-006	1uF ceramic capacitor, 0603 6V X5R -20/+20%				
		C101	CAP-0016-X5R-2020-0603-006	1uF ceramic capacitor, 0603 6V X5R -20/+20%				
		C110	CAP-0016-X5R-2020-0603-006	1uF ceramic capacitor, 0603 6V X5R -20/+20%				
5	2	C93	CAP-0106-X5R-2020-1206-006	10uF ceramic capacitor, 1206 6.3V X5R -20/+20%				
		C41	CAP-0106-X5R-2020-1206-006	10uF ceramic capacitor, 1206 6.3V X5R -20/+20%				
6	7	C56	293D337X96R3D2	330uF solid tantalum capacitor, 6.3V, 7343 case	Sprague			
		C79	293D337X96R3D2	330uF solid tantalum capacitor, 6.3V, 7343 case	Sprague			
		C80	293D337X96R3D2	330uF solid tantalum capacitor, 6.3V, 7343 case	Sprague			
		C102	293D337X96R3D2	330uF solid tantalum capacitor, 6.3V, 7343 case	Sprague			
		C111	293D337X96R3D2	330uF solid tantalum capacitor, 6.3V, 7343 case	Sprague			
		C159	293D337X96R3D2	330uF solid tantalum capacitor, 6.3V, 7343 case	Sprague			
		C162	293D337X96R3D2	330uF solid tantalum capacitor, 6.3V, 7343 case	Sprague			
7	2	DD2	TDSR1150	7mm Seven Segment Display CA	Telefunken	Memec		www.memec.com
		DD1	TDSR1150	7mm Seven Segment Display CA	Telefunken	Memec		www.memec.com
8	5	DS1	LQG971	CHIPLED, 0603, green	Infineon	Memec		www.memec.com
		DS2	LQG971	CHIPLED, 0603, green	Infineon	Memec		www.memec.com
		DS3	LQG971	CHIPLED, 0603, green	Infineon	Memec		www.memec.com
		DS4	LQG971	CHIPLED, 0603, green	Infineon	Memec		www.memec.com
		DS5	LQG971	CHIPLED, 0603, green	Infineon	Memec		www.memec.com
9	1	JD1	K22-E9S-N30	D-Subminiature 9 pin female	Kycon			
10	1	JP1	PJ-002A-SMT	4 pin barrel jack, SMT	CUI Stack			
11	1	JP2	HEADER-16-H-100-D-T	2x8 .100" TH Header RA				
12	3	JP3	HEADER-30-V-100-D-T	2x15 .100" TH header				
		JP4	HEADER-30-V-100-D-T	2x15 .100" TH header				
		JP5	HEADER-30-V-100-D-T	2x15 .100" TH header				
13	13	JP6	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP7	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP8	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP9	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP10	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP11	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP12	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP13	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP14	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP15	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP16	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP17	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
		JP18	HEADER-30-V-100-D-T	2x15 .100" TH header			Y	
14	2	JP19	HEADER-20-V-100-D-T	2x10 .100" TH header Vertical			Y	
		JP20	HEADER-20-V-100-D-T	2x10 .100" TH header Vertical			Y	
15	2	JP21	HEADER-02-V-100-S-T	.100" pin header, 1x2 Vertical				
		JP22	HEADER-02-V-100-S-T	.100" pin header, 1x2 Vertical				
16	1	J1	HEADER-06-V-100-D-T	2x3 .100" TH header Vertical				
17	1	J2	HEADER-7-H-100-S-T	1x7 .100" TH Header RA				CUT PIN 3
18	1	J7	HEADER-03-H-100-S-T	.100" pin header, 1x3 RA				
19	1	J11	HEADER-02-H-100-S-T	.100" pin header, 1x2 RA				
20	4	NE1	SJ5018-0-ND	Stick on rubber foot - thick	3M			MOUNT TO SOLDER SIDE AS INDICATED BY SSB
		NE2	SJ5018-0-ND	Stick on rubber foot - thick	3M			MOUNT TO SOLDER SIDE AS INDICATED BY SSB
		NE3	SJ5018-0-ND	Stick on rubber foot - thick	3M			MOUNT TO SOLDER SIDE AS INDICATED BY SSB
		NE4	SJ5018-0-ND	Stick on rubber foot - thick	3M			MOUNT TO SOLDER SIDE AS INDICATED BY SSB
21	1	NE5	SQ3345V-25.0M-REX	25MHz Half Size Clock Can, 3.3V	Pletronics	Pletronics		www.pletronics.com
23	5	NE10	SHUNT-LO-CL	Shunt, closed, low body				INSTALL INTO Y1 SOCKET
		NE11	SHUNT-LO-CL	Shunt, closed, low body				INSTALL ON J1[1-2]
		NE12	SHUNT-LO-CL	Shunt, closed, low body				INSTALL ON J1[3-4]
		NE17	SHUNT-LO-CL	Shunt, closed, low body				INSTALL ON J1[5-6]
		NE23	SHUNT-LO-CL	Shunt, closed, low body				INSTALL ON J11[1-2]
				Shunt, closed, low body				INSTALL ON J7[1-2]
24	1	Q2	BCR133	Digital Silicon NPN SOT23 package	Infineon	Memec		www.memec.com
25	20	R1	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R2	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R8	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R9	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R14	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				

		R15	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R16	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R17	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R18	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R19	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R20	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R21	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R80	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R81	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R82	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R83	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R84	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R85	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R86	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
		R87	RES-3300-XXX-10-0603-0125	330, 1/16 W, 1% 0603 resistor				
26	7	R5	RES-3301-XXX-10-0603-0125	3.3k, 1/16 W, 1% 0603 resistor				
		R6	RES-3301-XXX-10-0603-0125	3.3k, 1/16 W, 1% 0603 resistor				
		R7	RES-3301-XXX-10-0603-0125	3.3k, 1/16 W, 1% 0603 resistor				
		R10	RES-3301-XXX-10-0603-0125	3.3k, 1/16 W, 1% 0603 resistor				
		R12	RES-3301-XXX-10-0603-0125	3.3k, 1/16 W, 1% 0603 resistor				
		R96	RES-3301-XXX-10-0603-0125	3.3k, 1/16 W, 1% 0603 resistor				
		R98	RES-3301-XXX-10-0603-0125	3.3k, 1/16 W, 1% 0603 resistor				
27	2	R99	RES-0470-XXX-10-0603-0125	47, 1/16 W, 1% 0603 resistor				
		R11	RES-0470-XXX-10-0603-0125	47, 1/16 W, 1% 0603 resistor				
28	1	SW1	1101M2S3CQE2	Slide Switch 6A @ 28VDC SPDT TH	C&K			
29	3	SW2	TL1105SPF160Q	Push button switch	ESWITCH			
		SW4	TL1105SPF160Q	Push button switch	ESWITCH			
		SW5	TL1105SPF160Q	Push button switch	ESWITCH			
30	1	SW3	KA-S-1-1-04-R	4 position DIP switch SPST	ESWITCH			
31	1	TP5	KEYSTONE 5011	Color Coded PCB Test Point - Black	Keystone			
33	1	U1	TPS79633KTT	3.3V, 1A LDO regulator, DDPak-5	TI	Memec		www.memec.com
34	1	U2	TPS79625KTT	2.5V, 1A LDO regulator, DDPak-5	TI	Memec		www.memec.com
35	1	U4	XC2S100-5PQ208C	Spartan-II 2.5 V Field Programmable Gate Array	Xilinx	Memec		www.memec.com
36	1	U8	MAX3221CDB	RS232 Interface IC SSOP16	TI	Memec		www.memec.com
37	1	U9	XC18V01S020C	In-system programmable PROM	Xilinx	Memec		www.memec.com
38	1	U10	XCF01V020C	Platform Flash In-system programmable PROM	Xilinx	Memec	Y	www.memec.com
39	1	Y1	DIP14	14 pin .100" DIP socket, .300" width, machined pins	Any			