

Stückliste Mercury-EU V.1

item	qty	part number	references
optional m. 7-Segmentanzeige	1	2 BAT54C	D11-D12
		2 BCR158-SOT23	V2-V3
	3	1 BNC_PRINTBUCHSE	J10
	4	4 BRUECKE_L1,5_B1,0	BR1-BR2, BR5-BR6
n.b.	5	1 BSS123-SOT23	V1
	6	1 DS2431P-TSOC6	U12
		2 ELS432SYGWA	DISP1-DISP2

Version1 (with 7-Segment Display)
 place DISP1, DISP2, R40-R49, V2, V3
 Version2 (with 8 LEDs)
 place D1-D8, RP9

do not place all parts together!

8	1	EP3C25Q240C8N-PQFP240	U2
9	1	ETC1-1-13	T2000
10	1	GBLC03C	D13
11	3	J1X2-WR2	JP5-JP7
12	3	J1X3-SIP3S	JP1-JP3
13	1	J1X5-SIP5S	J5
14	2	J5X2-WR10W	J6-J7
15	1	J5X2-WR10W (optional 90°)	J4
16	1	J10X2-WR20W	J1
17	2	Klinkenbuchse 1503 03	J2-J3
18	8	LED-0805 rot	D1-D8
18a	4	LED-0805 grün	D14-D17
18b	1	LED-0603 gelb	D10

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	19	2 LL4148-SOD80	D9,D18
	20	1 LTC2208CUP-LFCSP64	U6
	21	1 LTC6400CUD-20 LFCSP16	U5
	22	1 MCP130T270-SOT23	U3
optional für 184MHz Sampling Frequenz		2 MINICIRCUITS-LFCN-80+	FIL2-FIL3
	24	1 MINICIRCUITS-RLP-50+	FIL1
	25	1 Molex 22-23-2041	J4A
n.b.		1 Molex-NSG25-2Pin	J8
	27	1 M25P16VMF-SOL16	U4
optional		1 M25P16VMW-SO8W	U4B
	29	1 REG1117-ADJ-DPAK	U14
	30	1 REG1117-2.5-SOT223	U15
	31	3 REG1117-3.3-SOT223	U13,U16-U17
	32	1 REL_OMRON_G6K-2F	REL1
	33	5 RESI-0603	R2005-R2007
-R38		121R	
-R39		220R for LTC2209#3cd, Vcc=3,52V, 200R for 3,3V	
	0	0R0	R39
		n.b.	R38
-R2005,R2007 60R4 (20dB attenuator)			
	34	1 RNET_EXBA10P-2K2	RP9
	35	8 RNET_EXBA10P-100K	RP1-RP8
	36	1 RXEF050	F1
optional f. ext. Takt		1 SMA_PRINTBUCHSE_gerade	J9
	38	5 SMD-Ferrit-WE-CBF-0805-Wuerth-7427920	L1-L5
	39	4 SMD_SPULE_47nH_0603	L6-L9
	40	1 STV-41612-R-FDL-96abc-ABGEWINKELT	J12
	41	1 TC4-1T	T1
	42	1 TLV320AIC23BPW	U1
	43	1 VCXO_FOX924_5x3,2	U9
	44	1 VCXO_SMD_4PIN	U10
	45	3 0R0-0603	R28-R29,R33

R28 wird bestückt

R29 wird nicht bestückt!!

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R33 wird nicht bestückt!!

46	2	1K0-0603	R10,R27
47	1	1M-0603	R1
48	1	1M-0805	R34
49	5	1N-0603	C11-C15
50	1	1uF/16V-0805	C34
51	5	1uF/25V-Tantal-A	C48-C52
52	1	2.2uF/10V-0805 oder 10uF/6.3V	
53	1	2K2-0603	R25
54	1	3K3-0603	R4
55	1	4.7nF/2kV-1812	C132
56	1	4K7-0603	R26
57	2	5R1-0603	R2002-R2003
58	12	10K-0603	R5,R8-R9,R11,R13-R15,R23-R24,R48-R49,R2008
59	1	10N-0603	C18
60	5	10P-0603	C112-C115,C2004
61	2	10R-0603	R2-R3
62	17	10uF-0805	C19-C20,C35-C40,C123-C131
63	6	10uF/10V-Tantal-A	C41-C42,C44-C46,C122
64	1	22R-0603	R35
65	1	47K-0603	R6
66	1	47N-0603	C17
67	1	47P-0603	C2005
68	2	51R-0603	R2000-R2001
69	79	100N-0603	C1-C9,C21-C28,C31-C33,C55-C57,C60-C63,C65-C81,C86-C111,C116-C121,C2000-C2001,C2003
70	1	100R-0603	R36
71	1	120R-0603	R37
72	3	470R-0603	R17-R19
72a	1	150R-0603	R32
73	1	200R-0603	R2004
74	8	220R-0603	R40-R47
75	1	330N-0603	C16

Total Parts Used: 259

Total Parts Cost: 0,00 DM