

SLEEPIC_C

LIS W.Karlen

Phone: 37792

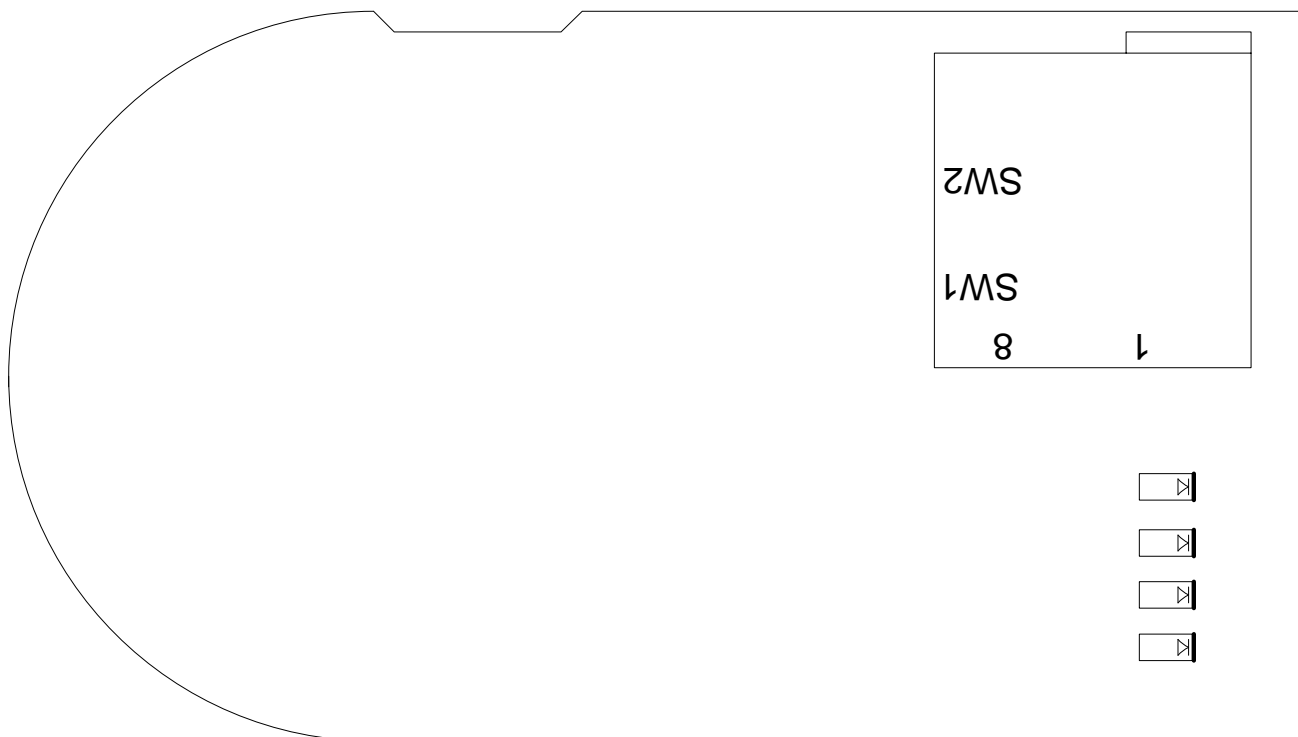
Fri Oct 3 18:27:31 MET DST 2008

MFG_DATE: Undefined

QUANTITY: 2

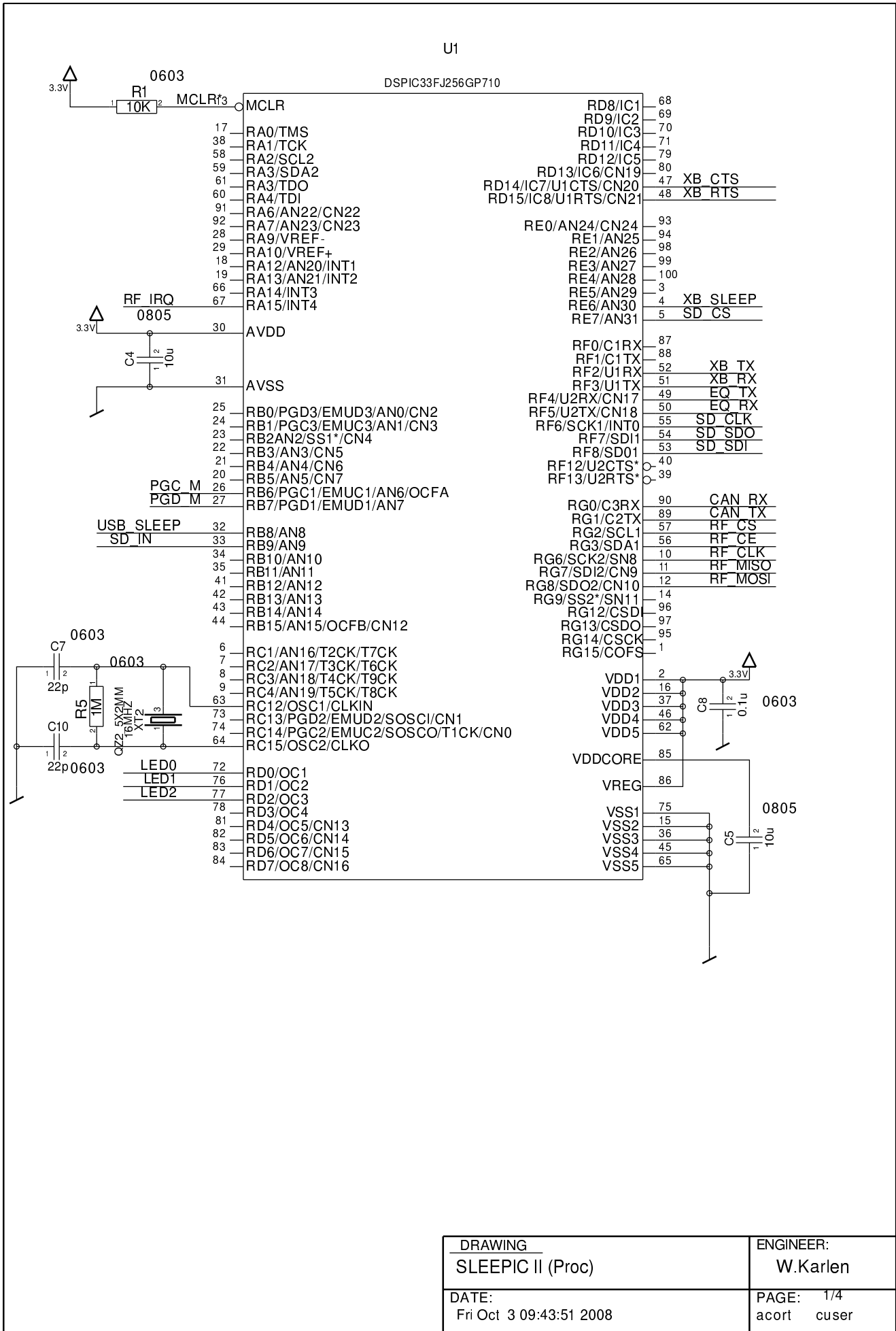
SOLDERMASK: mtop mbot

MATERIAL: FR4 : 0.8 mm



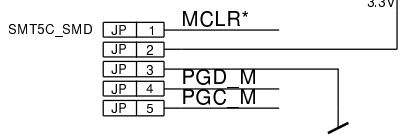
CONTENTS	PAGE
Root Schema sleepic	2 - 5
Xref sleepic	6
Drill	7
Etch	8
OutDetail_Bottom	9
OutDetail_Top	10
Outline_Top	11
Gerber_mtop	12
Gerber_top	13
Gerber_bot	14
Gerber_mbot	15
Gerber_cont	16
Component Report	17 - 18
BOM Report	19

CONTENTS	PAGE
NC-Pins Report	20
Power-Pins Report	21
Single Node Nets	22

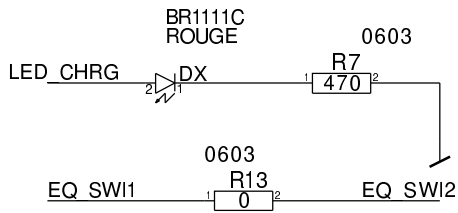
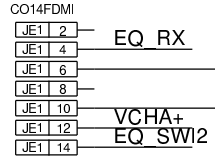
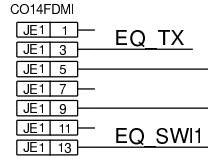


DRAWING SLEEPIC II (Proc)	ENGINEER: W.Karlen
DATE: Fri Oct 3 09:43:51 2008	PAGE: 1/4 acort cuser

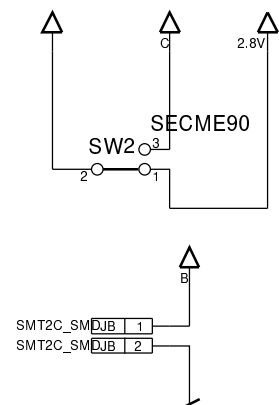
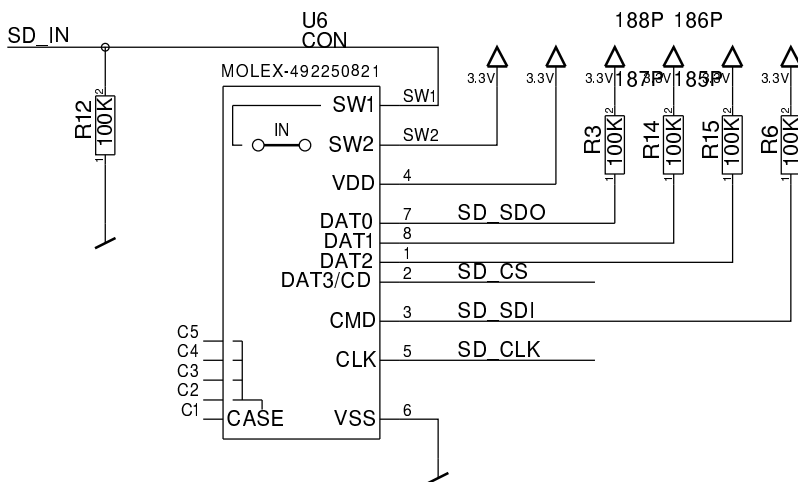
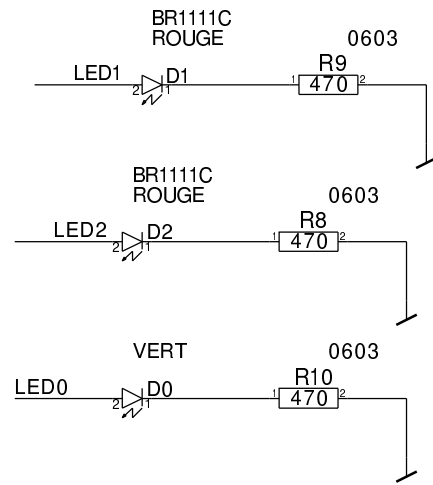
PROGRAMMING CON



Top



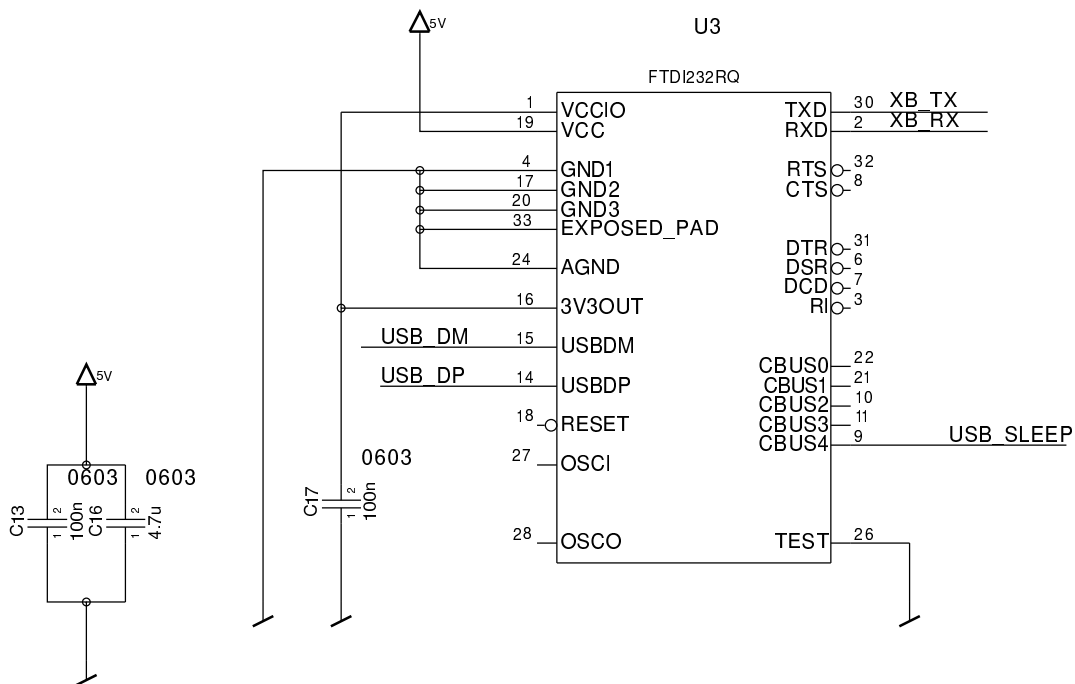
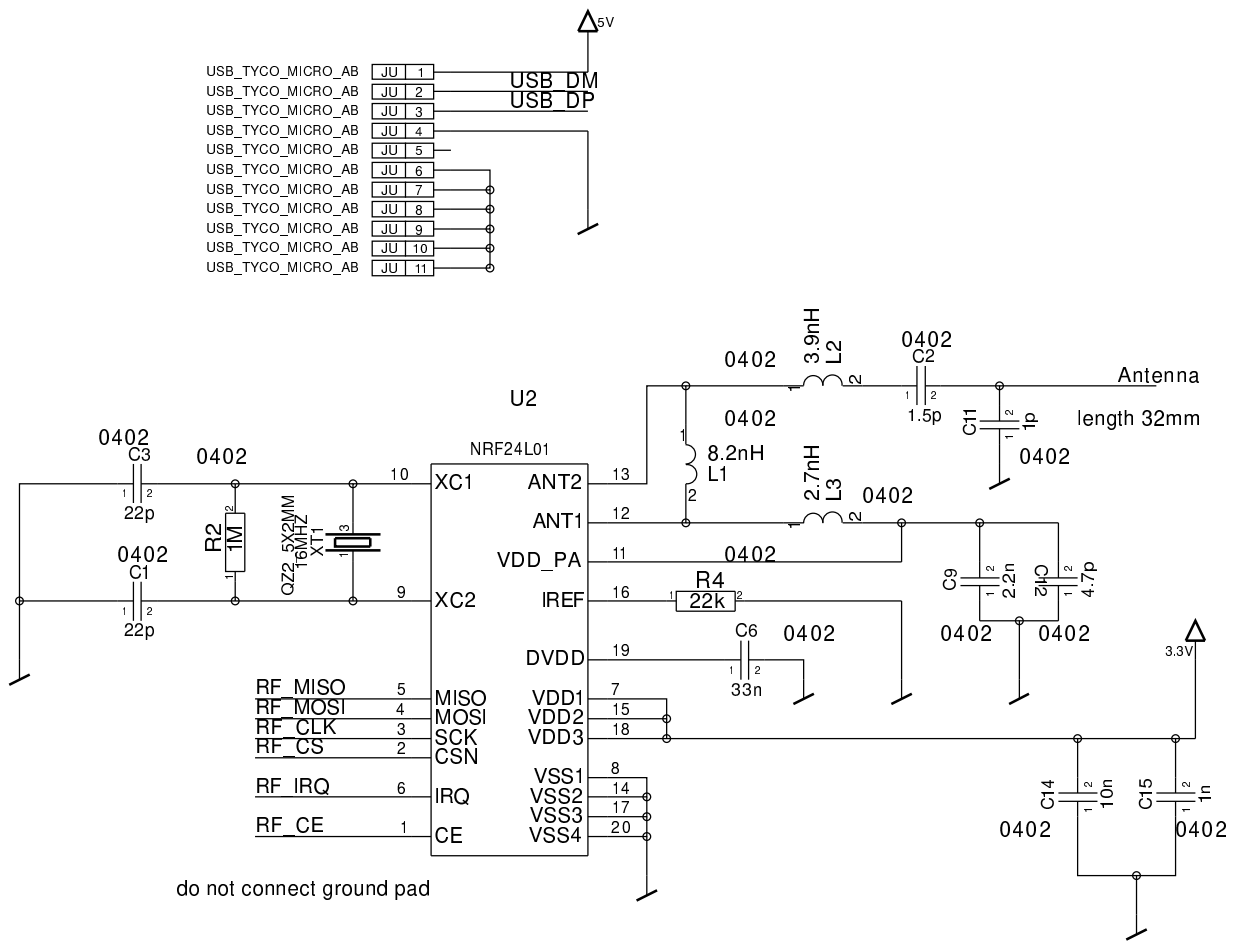
Top



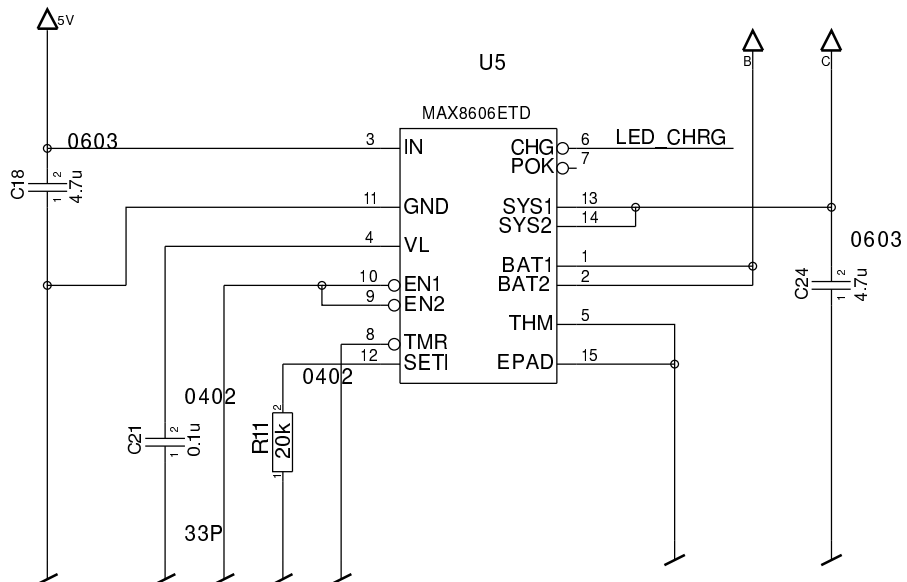
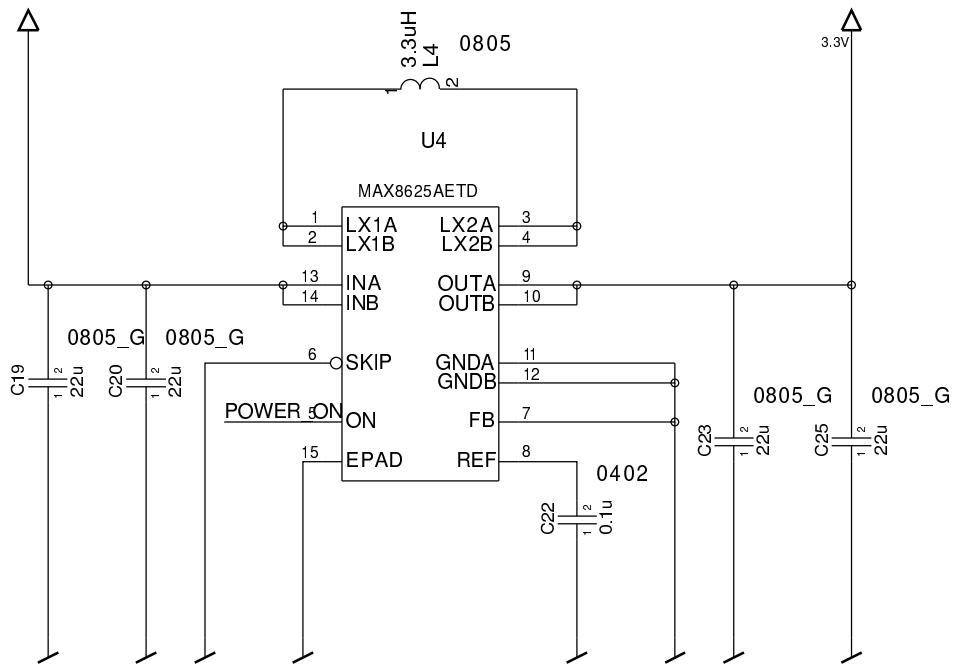
Top

ENGINEER:	W.Karlen
DATE:	PAGE: 2/3 acort cusur

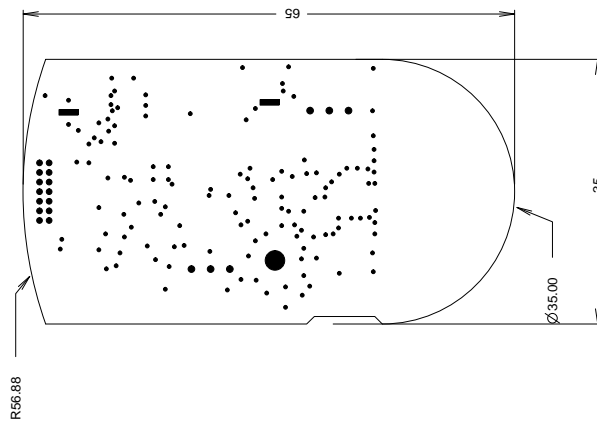
USB_TYCO_MICRO_AB	JU 1	USB DM
USB_TYCO_MICRO_AB	JU 2	USB DP
USB_TYCO_MICRO_AB	JU 3	
USB_TYCO_MICRO_AB	JU 4	
USB_TYCO_MICRO_AB	JU 5	
USB_TYCO_MICRO_AB	JU 6	
USB_TYCO_MICRO_AB	JU 7	
USB_TYCO_MICRO_AB	JU 8	
USB_TYCO_MICRO_AB	JU 9	
USB_TYCO_MICRO_AB	JU 10	
USB_TYCO_MICRO_AB	JU 11	



ENGINEER:	W.Karlen
DATE:	PAGE: 3/3 acort cusur



	ENGINEER: W.Karlen
DATE:	PAGE: 4/4 acort cusur

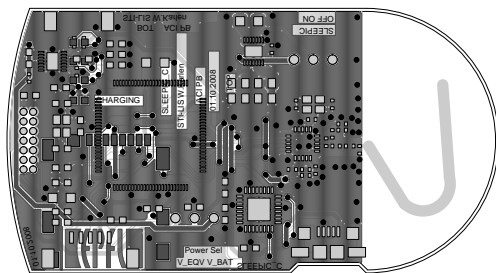


DRILL CHART			
FIGURE	SIZE	PLATED	QTY
.	0.3	PLATED	133
•	0.55	PLATED	14
•	0.787	PLATED	6
■	1.1	PLATED	2
●	2.6	PLATED	1

TITRE:SLEEPIC

LABORATOIRE:STI-LIS
ENGINEER:W.Karlen

DATE:16.10.2007
EPFL-ACORT-PB

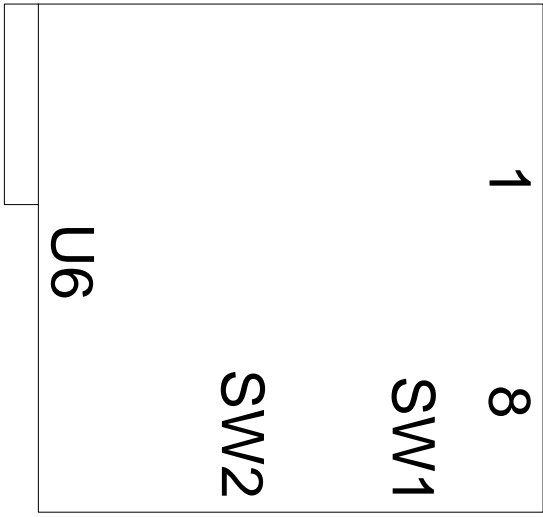


TITRE:SLEEPIC

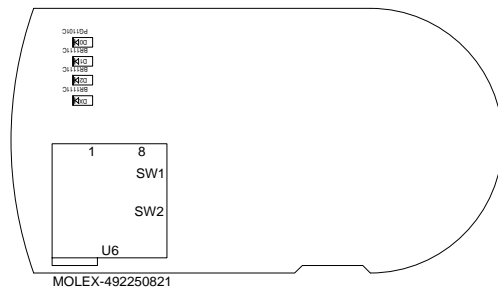
LABORATOIRE:STI-LIS
ENGINEER:W.Karlen

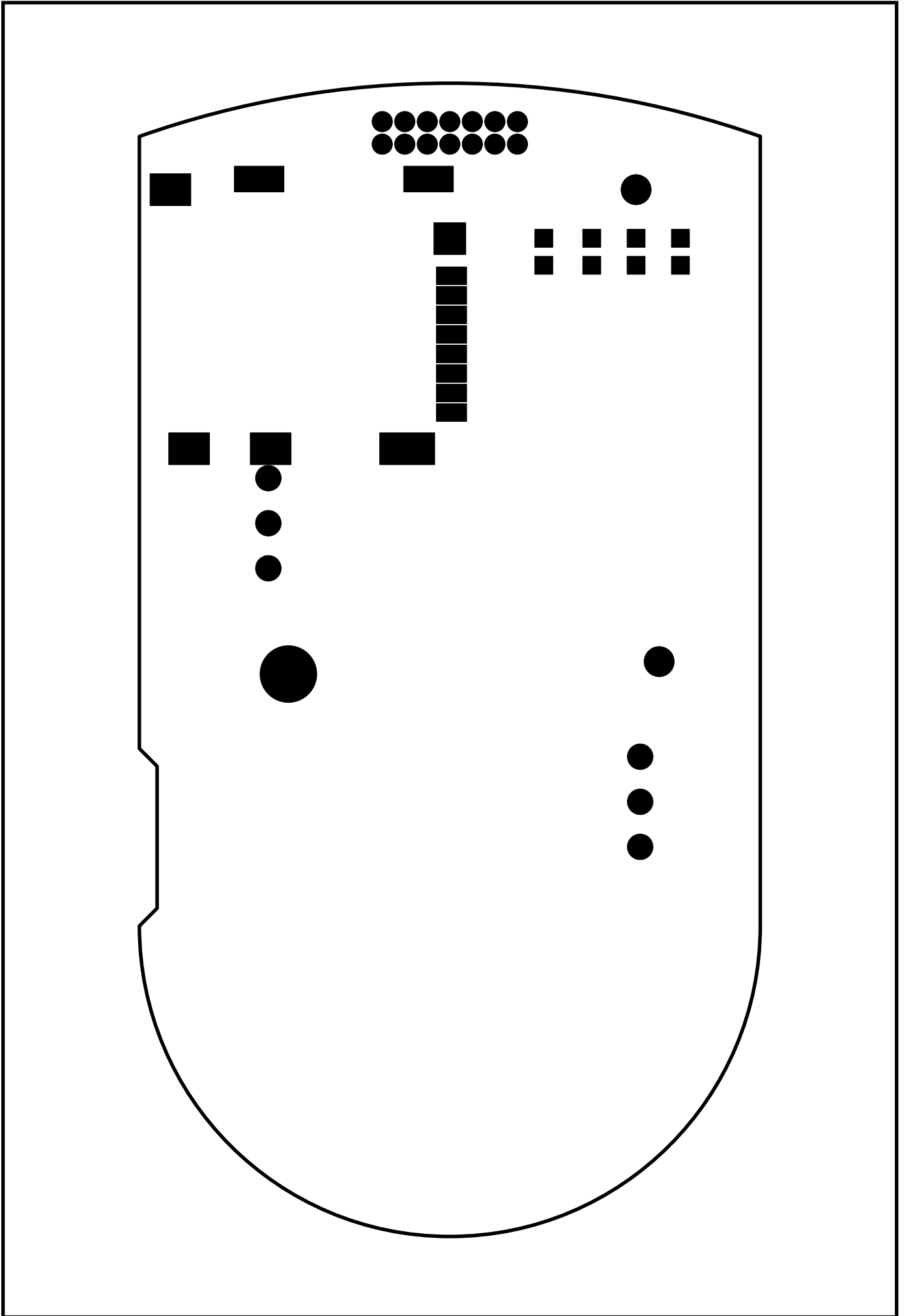
DATE:16.10.2007
EPFL-ACORT-PB

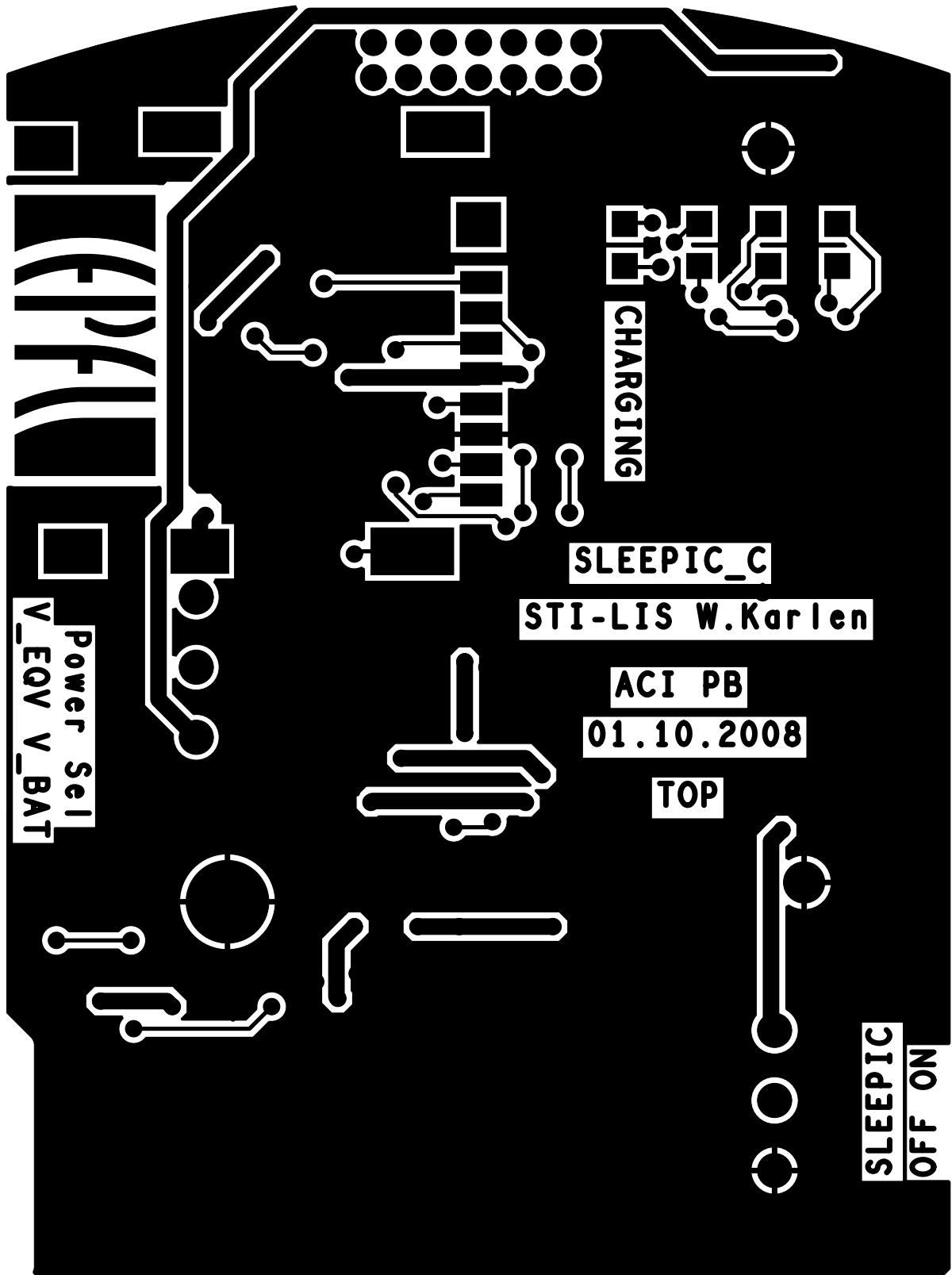
MOLEX-492250821



- DX
- BR1111C
- D2
- BR1111C
- D1
- BR1111C
- D0
- PG1101C







CHARGING

SLEEPIC_C

STI-LIS W.Karlen

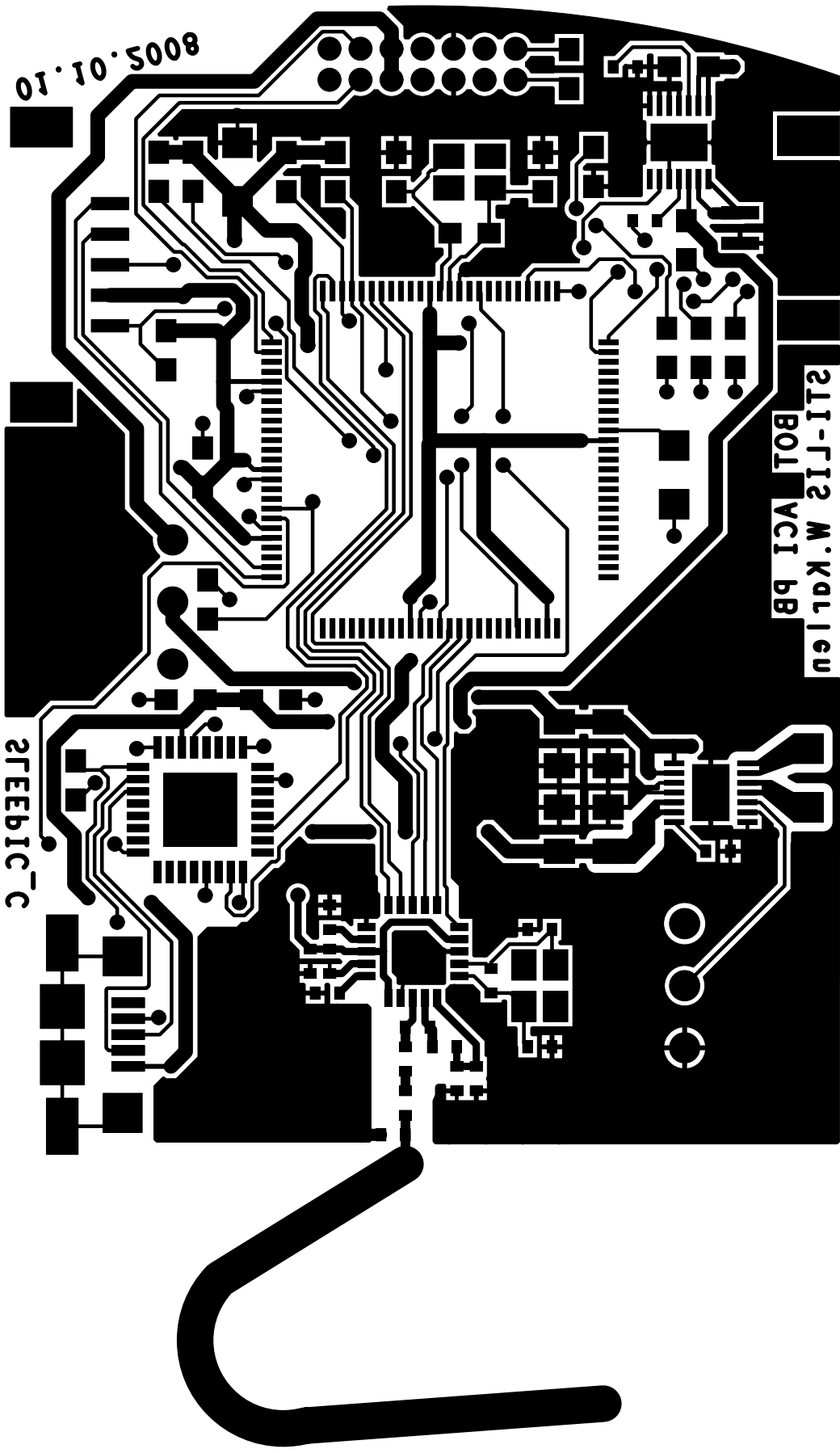
ACI PB

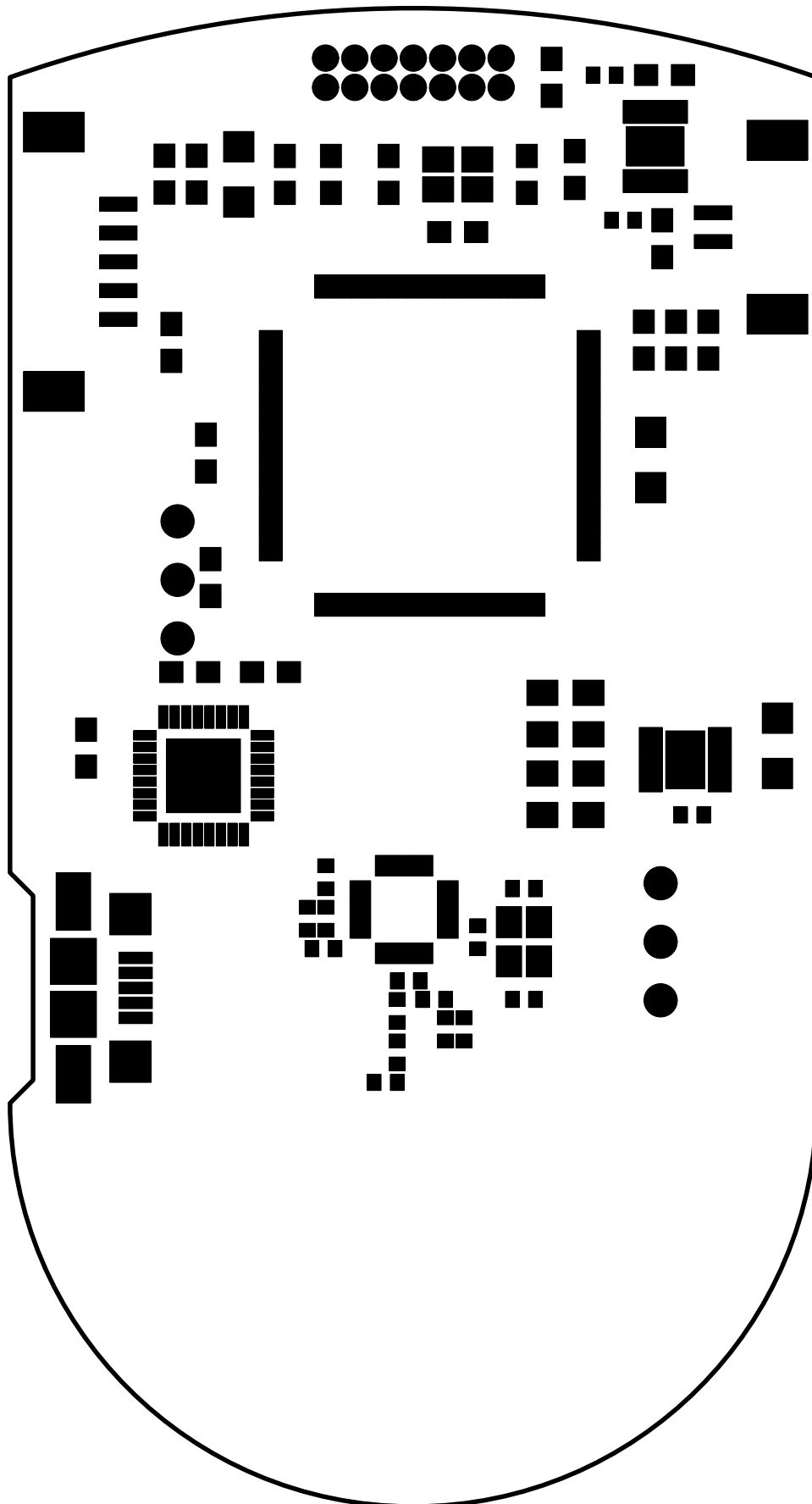
01.10.2008

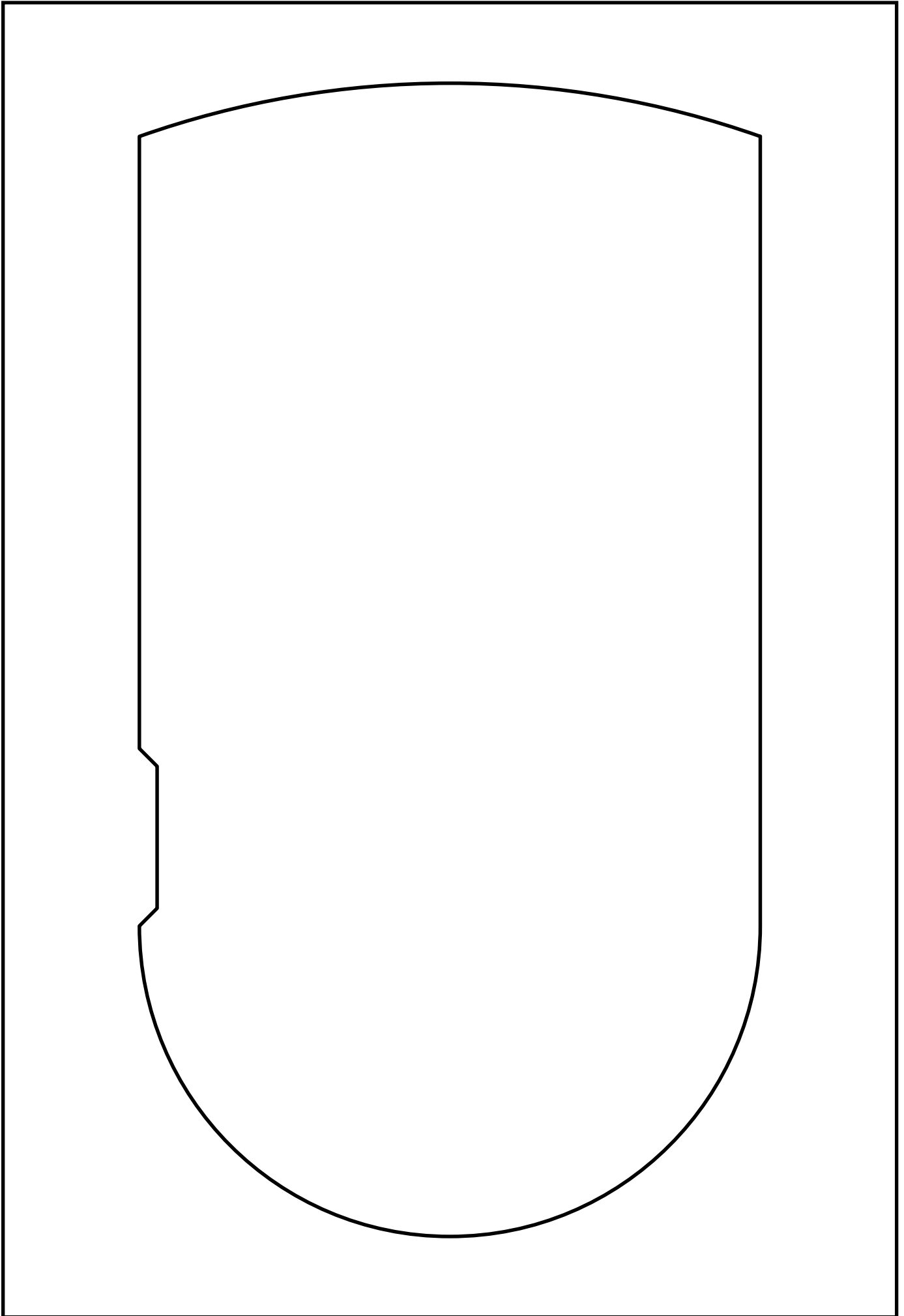
TOP

SLEEPIC
OFF ON

Power Sel |
V_EGV V_BAT







Component Report SLEEPIC_C

sleepic_gloss

Fri Oct 3 18:27:38 MET DST 2008

Ref Des	Device Type	Value	Package Type	x	y	ang	Mir	Remark
C1	0402	22P	0402	4.800	18.800	90.000	YES	
C2	0402	1.5P	0402	-0.700	11.700	0.000	YES	
C3	0402	22P	0402	4.800	14.000	270.000	YES	
C4	0805	10U	0805	-7.575	49.789	0.000	YES	
C5	0805	10U	0805	10.300	37.400	180.000	YES	
C6	0402	33N	0402	-3.800	19.300	180.000	YES	
C7	0603	22P	0603	-1.075	49.789	0.000	YES	
C8	0603	0.1U	0603	-9.000	37.700	0.000	YES	
C9	0402	2.2N	0402	1.400	12.700	180.000	YES	
C10	0603	22P	0603	4.925	49.789	0.000	YES	
C11	0402	1P	0402	-1.200	10.400	90.000	YES	
C12	0402	4.7P	0402	2.200	12.700	180.000	YES	
C13	0603	100N	0603	-9.700	28.200	90.000	YES	
C14	0402	10N	0402	-4.600	17.500	180.000	YES	
C15	0402	1N	0402	-3.800	17.500	180.000	YES	
C16	0603	4.7U	0603	-6.200	28.200	270.000	YES	
C17	0603	100N	0603	-14.200	24.900	180.000	YES	
C18	0603	4.7U	0603	10.800	47.000	180.000	YES	
C19	0805	22U	0805_G	5.600	26.400	180.000	YES	
C20	0805	22U	0805_G	7.600	26.400	180.000	YES	
C21	0402	0.1U	0402	9.100	47.800	90.000	YES	
C22	0402	0.1U	0402	12.100	22.000	270.000	YES	
C23	0805	22U	0805_G	5.600	22.900	0.000	YES	
C24	0603	4.7U	0603	10.900	54.100	90.000	YES	
C25	0805	22U	0805_G	7.600	22.900	0.000	YES	
D0	PG1101H	PG1101C	SMDLED_MINI	13.000	47.500	0.000	NO	
D1	LED	BR1111C	SMDLED_MINI	10.500	47.500	0.000	NO	
D2	LED	BR1111C	SMDLED_MINI	8.000	47.500	0.000	NO	
DX	LED	BR1111C	SMDLED_MINI	5.300	47.500	0.000	NO	
JB	CO4		SMT2C_SMD	13.000	47.500	270.000	YES	
JE1	CO14		CO14FDMI	0.000	54.200	0.000	NO	
JP	CO7		SMT5C_SMD	-17.500	46.000	90.000	YES	
JU	CO11		USB_TYCO_MICRO_AB	-16.200	14.500	270.000	YES	
L1	L	8.2NH	0402	-0.200	14.800	90.000	YES	
L2	L	3.9NH	0402	-0.700	13.500	0.000	YES	
L3	L	2.7NH	0402	0.900	14.000	90.000	YES	
L4	L	3.3UH	0805	15.800	25.000	0.000	YES	
R1	R	10K	0603	-10.500	42.500	0.000	YES	
R2	R	1M	0402	2.800	16.700	0.000	YES	
R3	R	100K	0603	-3.575	49.789	180.000	YES	
R4	R	22K	0402	-3.900	16.200	270.000	YES	
R5	R	1M	0603	1.925	47.289	90.000	YES	
R6	R	100K	0603	-5.575	49.789	180.000	YES	
R7	R	470	0603	7.000	50.000	0.000	YES	
R8	R	470	0603	10.000	42.600	0.000	YES	
R9	R	470	0603	11.400	42.600	0.000	YES	
R10	R	470	0603	12.800	42.600	0.000	YES	
R11	R	20K	0402	8.300	54.100	270.000	YES	
R12	R	100K	0603	-8.800	32.300	0.000	YES	
R13	R	0	0603	6.000	54.000	0.000	YES	
R14	R	100K	0603	-10.800	49.800	180.000	YES	
R15	R	100K	0603	-9.400	49.800	180.000	YES	
SW1	SWCOM		SECME90	12.000	16.500	0.000	YES	
SW2	SWCOM		SECME90	-11.500	32.200	180.000	YES	
U1	DSPIC33FJ256GP710		TQFP12X12_100_04MM	0.714	38.020	270.000	YES	
U2	NRF24L01G		QFN4X4_20	-0.400	17.900	90.000	YES	
U3	FTDI232RQ		QFN5X5_33	-9.100	23.700	270.000	YES	
U4	MAX8625AETD		TDFN3X3_15	11.800	24.400	0.000	YES	

Component Report SLEEPIC_C

sleepic_gloss

Fri Oct 3 18:27:38 MET DST 2008

Ref Des	Device Type	Value	Package Type	x	y	ang	Mir	Remark
U5	MAX8606ETD		TDFN3X3_15	10.500	51.000	270.000	YES	
U6	MOLEX		MICRO_SD_CARD	-16.500	44.000	270.000	NO	
XT1	XTAL	16MHZ	QZ2_5X2MM	4.800	16.500	270.000	YES	
XT2	XTAL	16MHZ	QZ2_5X2MM	1.925	49.789	180.000	YES	

Total Component count 62

BOM Report SLEEPIC_C

sleepic_gloss

Fri Oct 3 18:27:39 MET DST 2008

Device	Package	Value	Nb	Reference Designators			Remark	
0402-0.1U	0402	0.1U	2	C21	C22			
0402-1.5P	0402	1.5P	1	C2				
0402-10N	0402	10N	1	C14				
0402-1N	0402	1N	1	C15				
0402-1P	0402	1P	1	C11				
0402-2.2N	0402	2.2N	1	C9				
0402-22P	0402	22P	2	C1	C3			
0402-33N	0402	33N	1	C6				
0402-4.7P	0402	4.7P	1	C12				
0603-0.1U	0603	0.1U	1	C8				
0603-100N	0603	100N	2	C13	C17			
0603-22P	0603	22P	2	C7	C10			
0603-4.7U	0603	4.7U	3	C16	C18	C24		
0805-1-22U	0805_G	22U	4	C19	C20	C23	C25	
0805-10U	0805	10U	2	C4	C5			
CO11-USB_TYCO_MICRO_	USB_TYCO_MICRO_AB		1	JU				
CO14-CO14FDMI	CO14FDMI		1	JE1				
CO4-SMT2C_SMD	SMT2C_SMD		1	JB				
CO7-SMT5C_SMD	SMT5C_SMD		1	JP				
DSPIC33FJ256GP710	TQFP12X12_100_04MM		1	U1				
FTDI232RQ	QFN5X5_33		1	U3				
L-0402-2.7NH	0402	2.7NH	1	L3				
L-0402-3.9NH	0402	3.9NH	1	L2				
L-0402-8.2NH	0402	8.2NH	1	L1				
L-0805-3.3UH	0805	3.3UH	1	L4				
LED-BR1111C	SMDLED_MINI	BR1111C	3	D1	D2	DX		
MAX8606ETD	TDFN3X3_15		1	U5				
MAX8625AETD	TDFN3X3_15		1	U4				
MOLEX-492250821	MICRO_SD_CARD		1	U6				
NRF24L01G	QFN4X4_20		1	U2				
PG1101H	SMDLED_MINI	PG1101C	1	D0				
R-0402-1M	0402	1M	1	R2				
R-0402-20K	0402	20K	1	R11				
R-0402-22K	0402	22K	1	R4				
R-0603-0	0603	0	1	R13				
R-0603-100K	0603	100K	5	R3	R6	R12	R14	R15
R-0603-10K	0603	10K	1	R1				
R-0603-1M	0603	1M	1	R5				
R-0603-470	0603	470	4	R7	R8	R9	R10	
SWCOM-SECME90	SECME90		2	SW1	SW2			
XTAL-QZ2_5X2MM-19.66	QZ2_5X2MM	16MHZ	2	XT1	XT2			

Total Component count 62

NC Pins Report SLEEPIC_C

sleepic_gloss

Fri Oct 3 18:27:39 MET DST 2008

Ref Des	Device	Nb	Not Connected Pins										Remark	
JB	CO4-SMT2C_SMD	2	3	4										
JE1	CO14-CO14FDMI	5	1	2	7	8	11							
JP	CO7-SMT5C_SMD	2	6	7										
JU	CO11-USB_TYCO_MICRO_	1	5											
U1	DSPIC33FJ256GP710	57	1	3	6	7	8	9	14	17	18	19		
			20	21	22	23	24	25	28	29	34	35		
			38	39	40	41	42	43	44	58	59	60		
			61	66	68	69	70	71	73	74	78	79		
			80	81	82	83	84	87	88	91	92	93		
			94	95	96	97	98	99	100					
U3	FTDI232RQ	13	3	6	7	8	10	11	18	21	22	27		
			28	31	32									
U5	MAX8606ETD	1	7											
U6	MOLEX-492250821	5	C1	C2	C3	C4	C5							

Total count 86

Power Pins Report SLEEPIC_C

sleepic_gloss

Fri Oct 3 18:27:40 MET DST 2008

Ref Des	Device	Name	Power Pins	Remark
JB	CO4-SMT2C_SMD	GND	2	
		VCCB	1	
JE1	CO14-CO14FDMI	GND	9 10	
		V2_8	5 6	
JP	CO7-SMT5C_SMD	GND	3	
		V33	2	
JU	CO11-USB_TYCO_MICRO_	+5V	1	
		GND	4	
SW1	SWCOM-SECME90	GND	1	
		VCC	3	
SW2	SWCOM-SECME90	V2_8	1	
		VCC	2	
		VCCC	3	
U1	DSPIC33FJ256GP710	GND	15 31 36 45 65 75	
		V33	2 16 30 37 46 62 86	
U2	NRF24L01G	GND	8 14 17 20	
		V33	7 15 18	
U3	FTDI232RQ	+5V	19	
		GND	4 17 20 24 26 33	
U4	MAX8625AETD	GND	6 7 11 12 15	
		V33	9 10	
		VCC	13 14	
U5	MAX8606ETD	+5V	3	
		GND	5 8 9 10 11 15	
		VCCB	1 2	
		VCCC	13 14	
U6	MOLEX-492250821	GND	6	
		V33	4 SW2	

Total count 12

Single Node Nets Report SLEEPIC_C

sleepic_gloss

Fri Oct 3 18:27:40 MET DST 2008

Netname	Node	Device	Remark
CAN_RX	U1.90	DSPIC33FJ256GP710	
CAN_TX	U1.89	DSPIC33FJ256GP710	
VCHA+	JE1.12	CO14-CO14FDMI	
XB_CTS	U1.47	DSPIC33FJ256GP710	
XB_RTS	U1.48	DSPIC33FJ256GP710	
XB_SLEEP	U1.4	DSPIC33FJ256GP710	

Total Nets count 6