

e-Puck Robot Schematics and layout

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EJUMPERPROD_B

LSA1 F.Mondada

Phone: 37357

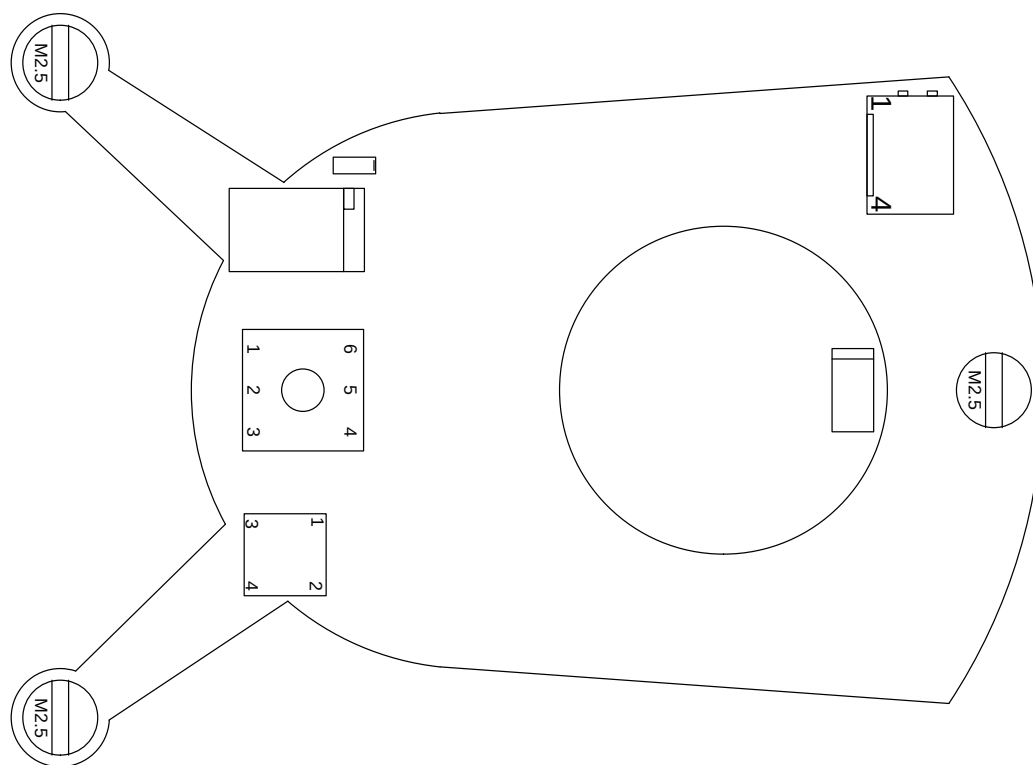
Fri Jun 2 17:40:12 MET DST 2006

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QUANTITY: 5

SOLDERMASK: mtop mbot

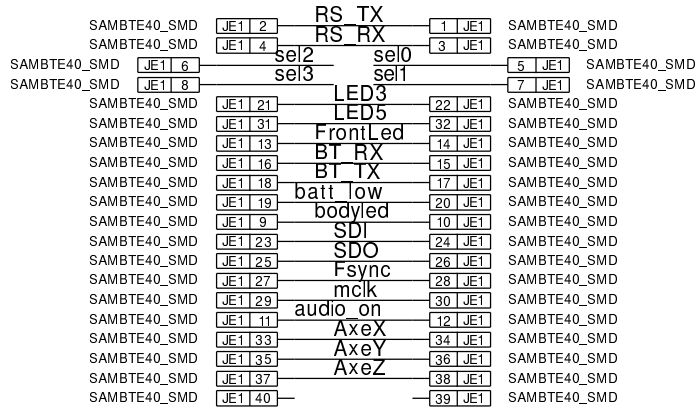
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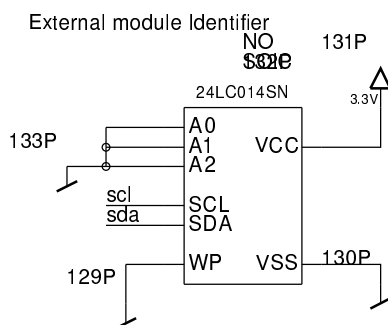
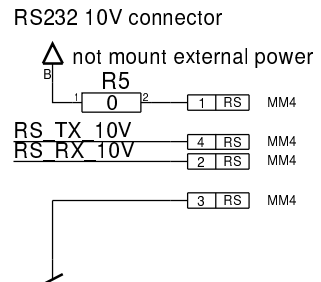
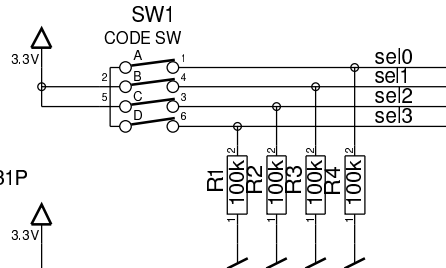
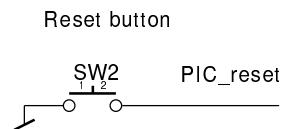
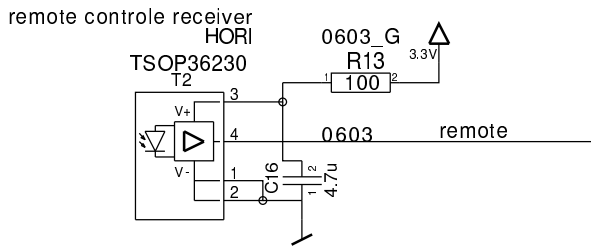
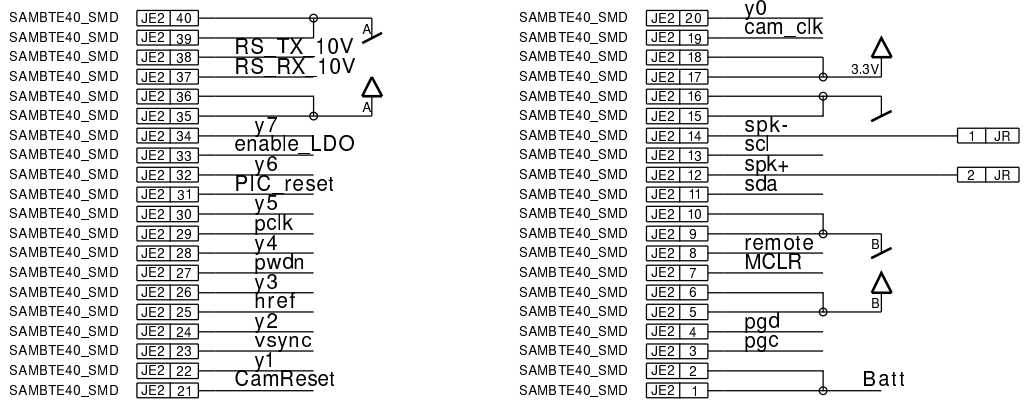
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JUMPER connectors



mechanical support (second extension connector)



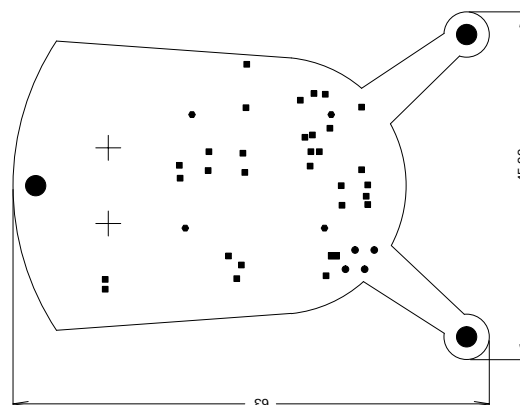
<u>DRAWING</u> EJUMPER	ENGINEER: FM+MB
DATE: Thu Oct 13 10:44:17 2005	PAGE: 1/1 acort cuser

Signal Page Ref EJUMPERPROD_B

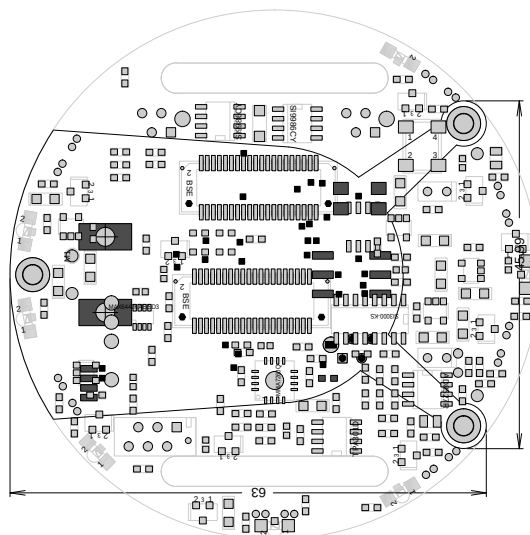
ejumper

Fri Jun 2 17:40:14 MET DST 2006

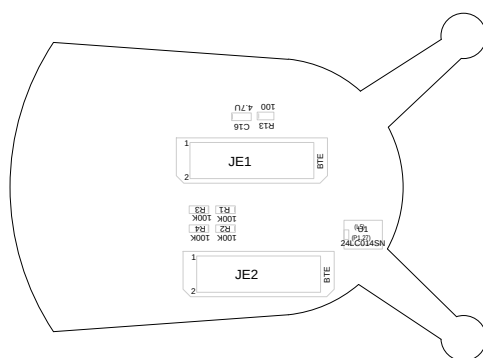
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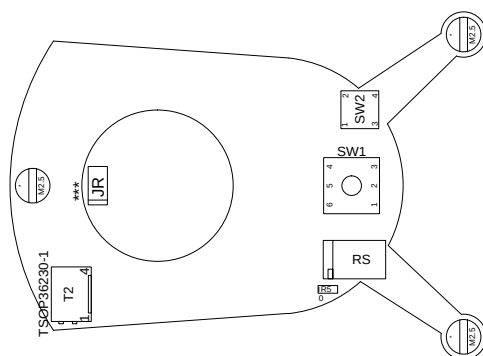


DRILL CHART				
FIGURE	SIZE	PLATED	QTY	
•	0.406	PLATED	30	
•	0.787	PLATED	4	
■	1.499	PLATED	1	
+	2.184	PLATED	2	
●	2.7	PLATED	3	
•	0.9	NOT PLATED	4	

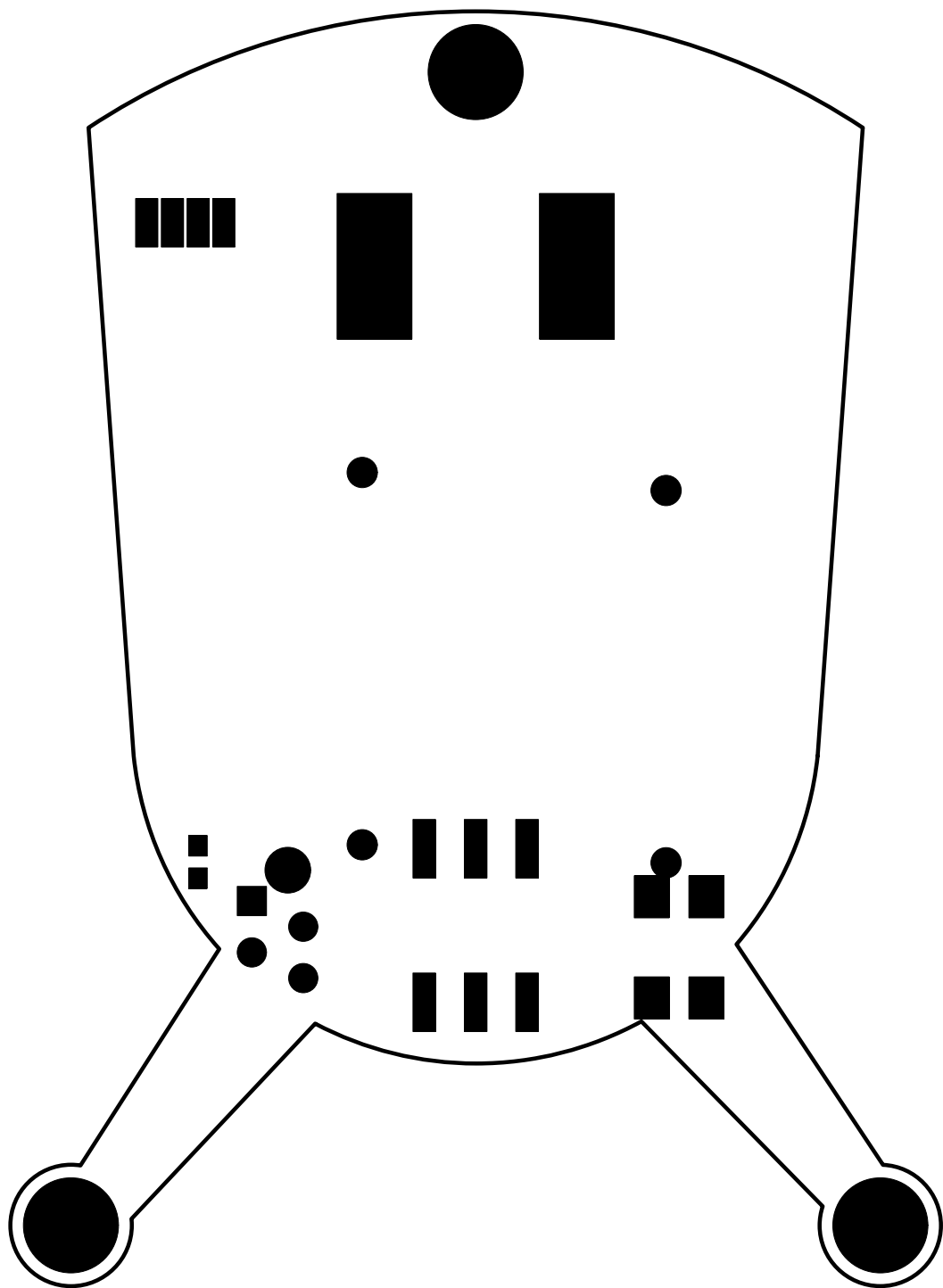


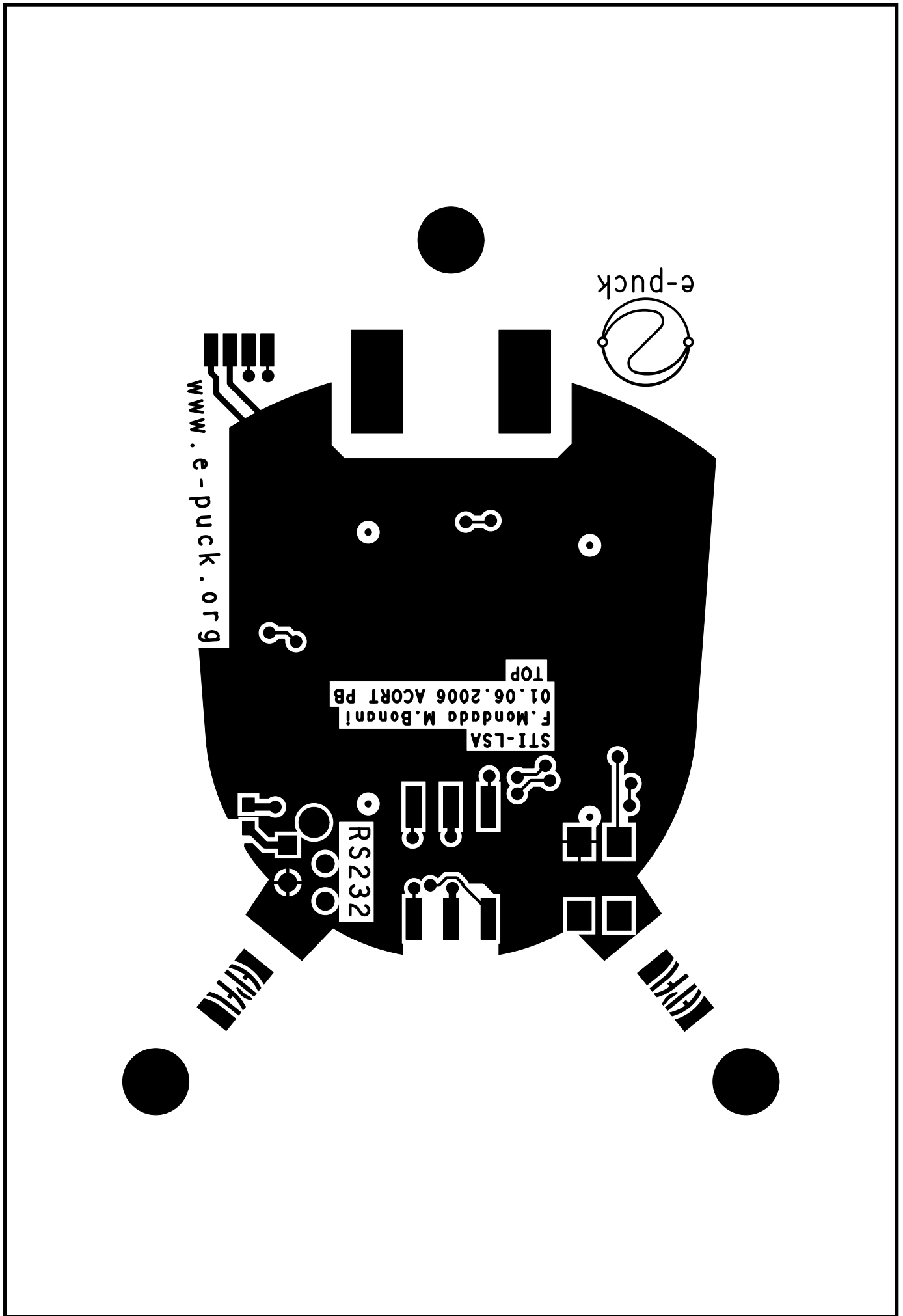
DRILL CHART			
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•	0.406	PLATED	30
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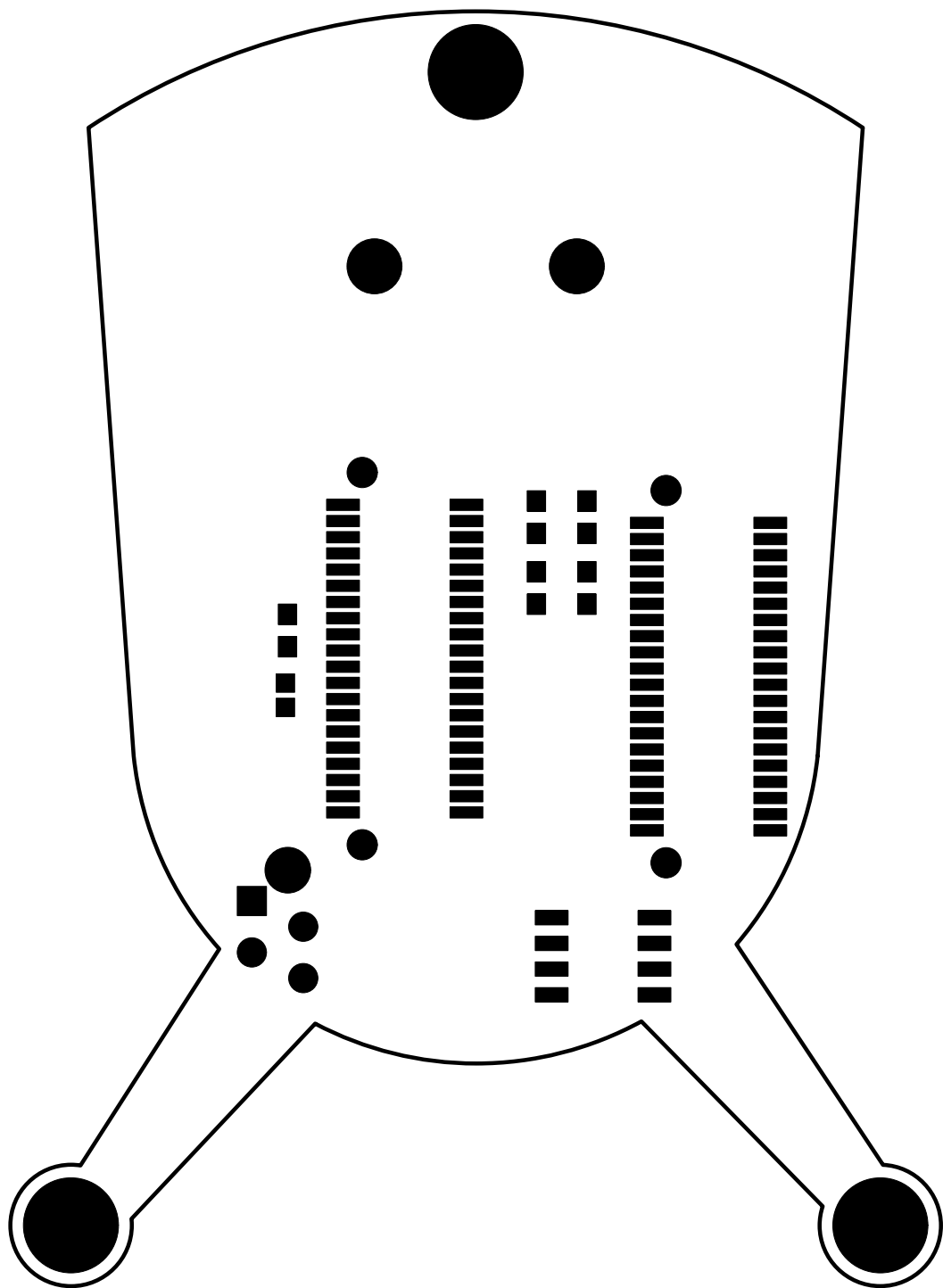


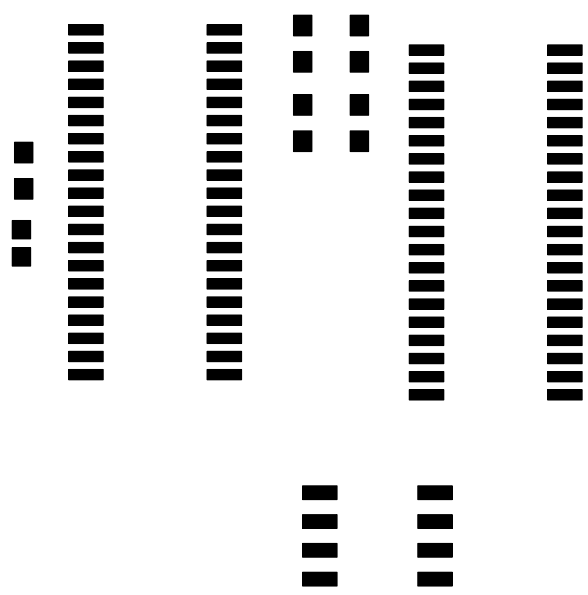


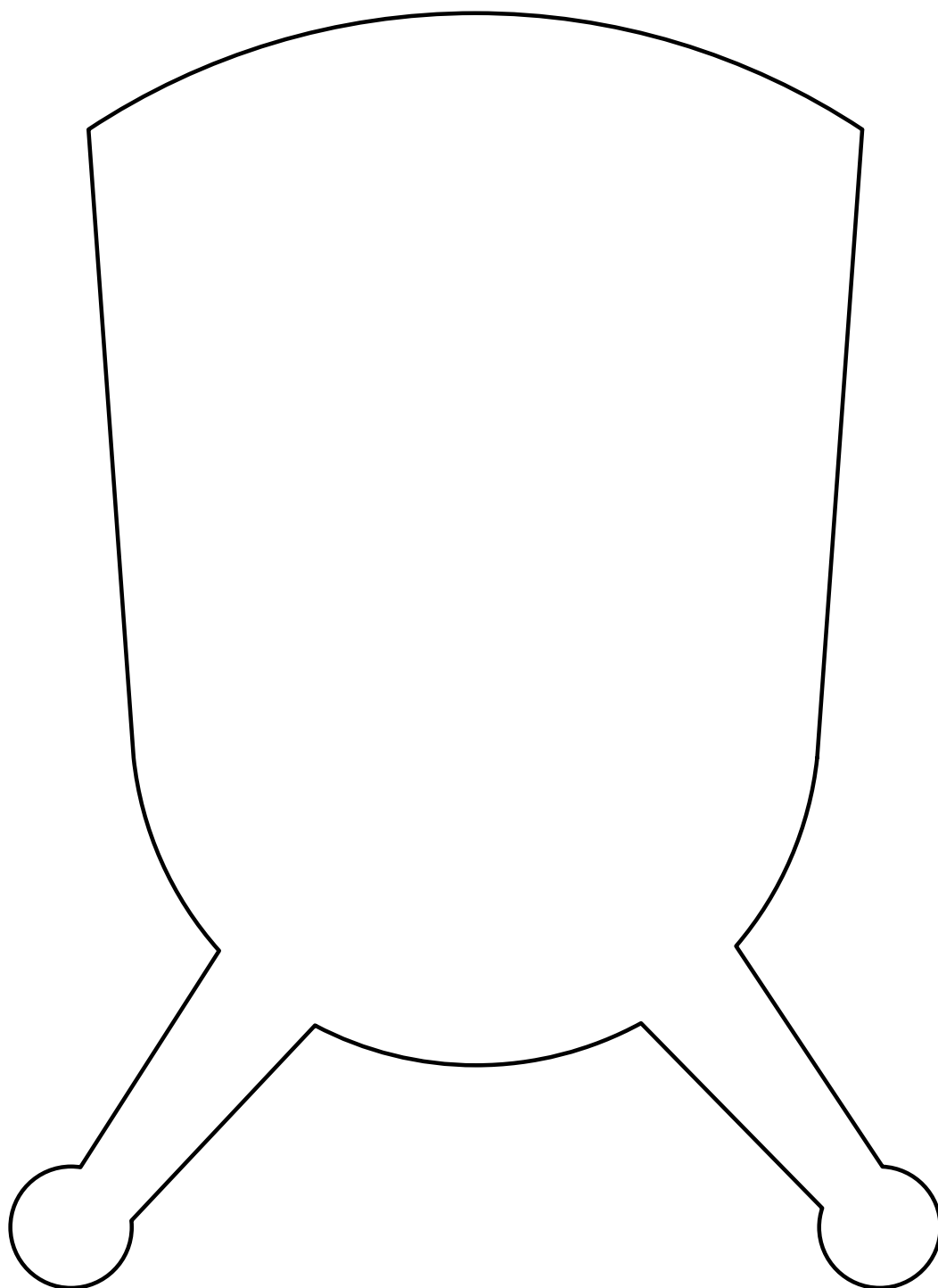
EJUMPERPROD_B
21I-T2A F.Wouqada

ACORT BB REV B
01-06-2006

BO1







Component Report EJUMPERPROD_B

ejumper_gloss

Fri Jun 2 17:40:15 MET DST 2006

Ref Des	Device Type	Value	Package Type	x	y	ang	Mir	Remark
C16	0603	4.7U	0603	-9.300	4.400	0.000	YES	
JE1	CO40		SAMBTE40_SMD_08MM	-3.505	3.010	90.000	YES	
JE2	CO40		SAMBTE40_SMD_08MM	11.510	2.120	90.000	YES	
JR	CO2		SIL2	-1.270	23.400	0.000	NO	
R1	R	100K	0603	3.000	6.500	180.000	YES	
R2	R	100K	0603	5.500	6.500	180.000	YES	
R3	R	100K	0603	3.000	10.000	180.000	YES	
R4	R	100K	0603	5.500	10.000	180.000	YES	
R5	R	0	0603	-13.720	-7.040	0.000	NO	
R13	R	100	0603_G	-9.400	1.200	0.000	YES	
RS	CO5		MM4	-11.060	-8.970	270.000	NO	
SW1	P36S		CODE_P36S	0.000	-10.180	0.000	NO	
SW2	SWPOU_4A		POUSMD4	10.050	-11.260	0.000	NO	
T2	TSOP36230		TSOP362_HORI	-14.350	24.550	0.000	NO	
U1	24LC014SN		SO8	6.295	-11.700	0.000	YES	

Total Component count 15

BOM Report EJUMPERPROD_B

ejumper_gloss

Fri Jun 2 17:40:15 MET DST 2006

Device	Package	Value	Nb	Reference Designators	Remark
0603-4.7U	0603	4.7U	1	C16	
24LC014SN	SO8		1	U1	
CO2-5	SIL2		1	JR	
CO40-31	SAMBTE40_SMD_08MM		2	JE1 JE2	
CO5-14	MM4		1	RS	
P36S-303	CODE_P36S		1	SW1	
R-19A-0	0603	0	1	R5	
R-19A-100K	0603	100K	4	R1 R2 R3 R4	
R-23-100	0603_G	100	1	R13	
SWPOU_4A	POUSMD4		1	SW2	
TSOP36230-1	TSOP362_HORI		1	T2	

Total Component count 15

NC Pins Report EJUMPERPROD_B

ejumper_gloss

Fri Jun 2 17:40:16 MET DST 2006

Ref Des	Device	Nb	Not Connected Pins		Remark
JE1	CO40-31	2	39	40	
RS	CO5-14	1	5		

Total count 3

Power Pins Report EJUMPERPROD_B

ejumper_gloss

Fri Jun 2 17:40:17 MET DST 2006

Ref Des	Device	Name	Power Pins					Remark
JE2	CO40-31	GND	15	16				
		GNDA	39	40				
		GNDB	9	10				
		V33	17	18				
		VCCA	35	36				
		VCCB	5	6				
RS	CO5-14	GND	3					
SW1	P36S-303	V33	2	5				
SW2	SWPOU_4A	GND	1					
T2	TSOP36230-1	GND	1	2				
U1	24LC014SN	GND	1	2	3	4	7	
		V33	8					

Total count 6

Single Node Nets Report EJUMPERPROD_B

ejumper_gloss

Fri Jun 2 17:40:17 MET DST 2006

Netname	Node	Device	Remark
CAMRESET	JE2.21	CO40-31	
CAM_CLK	JE2.19	CO40-31	
ENABLE_LDO	JE2.33	CO40-31	
HREF	JE2.25	CO40-31	
MCLR	JE2.7	CO40-31	
PCLK	JE2.29	CO40-31	
PGC	JE2.3	CO40-31	
PGD	JE2.4	CO40-31	
PWDN	JE2.27	CO40-31	
VSYNC	JE2.23	CO40-31	
Y0	JE2.20	CO40-31	
Y1	JE2.22	CO40-31	
Y2	JE2.24	CO40-31	
Y3	JE2.26	CO40-31	
Y4	JE2.28	CO40-31	
Y5	JE2.30	CO40-31	
Y6	JE2.32	CO40-31	
Y7	JE2.34	CO40-31	

Total Nets count 18