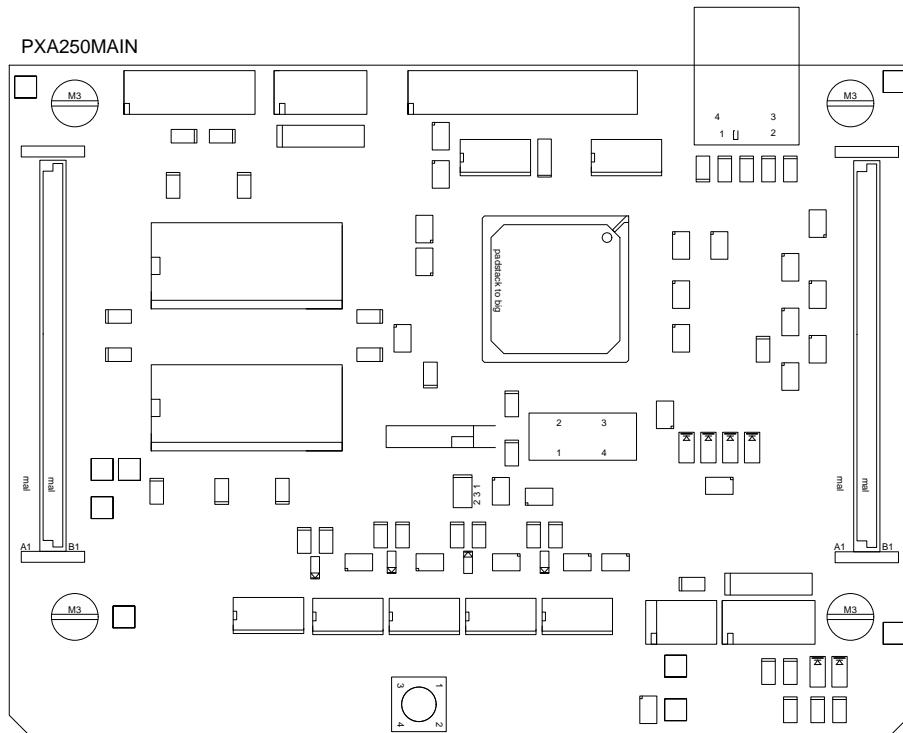


# PXA250MAIN

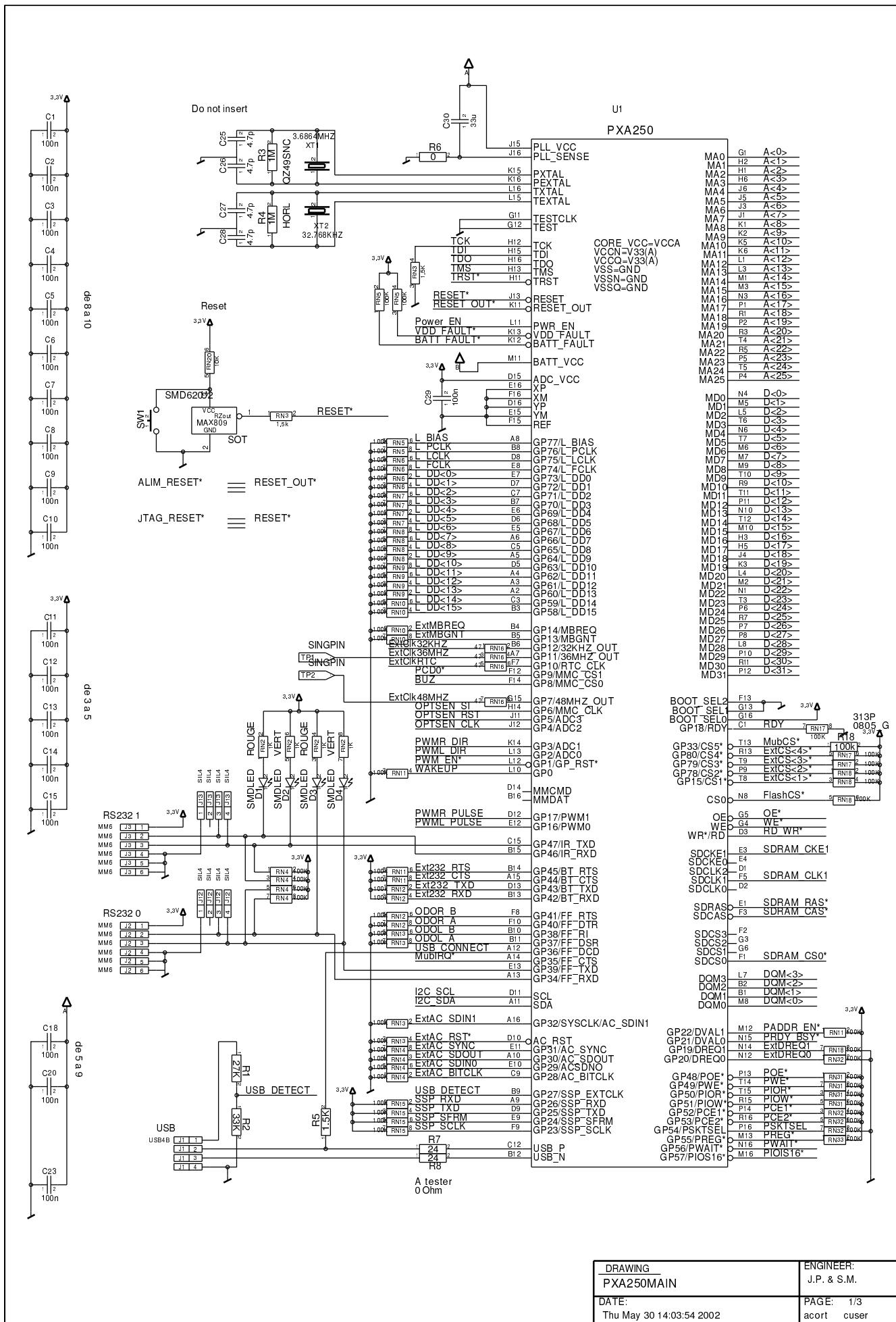
LAP SØ .Magnenat  
Phone:  
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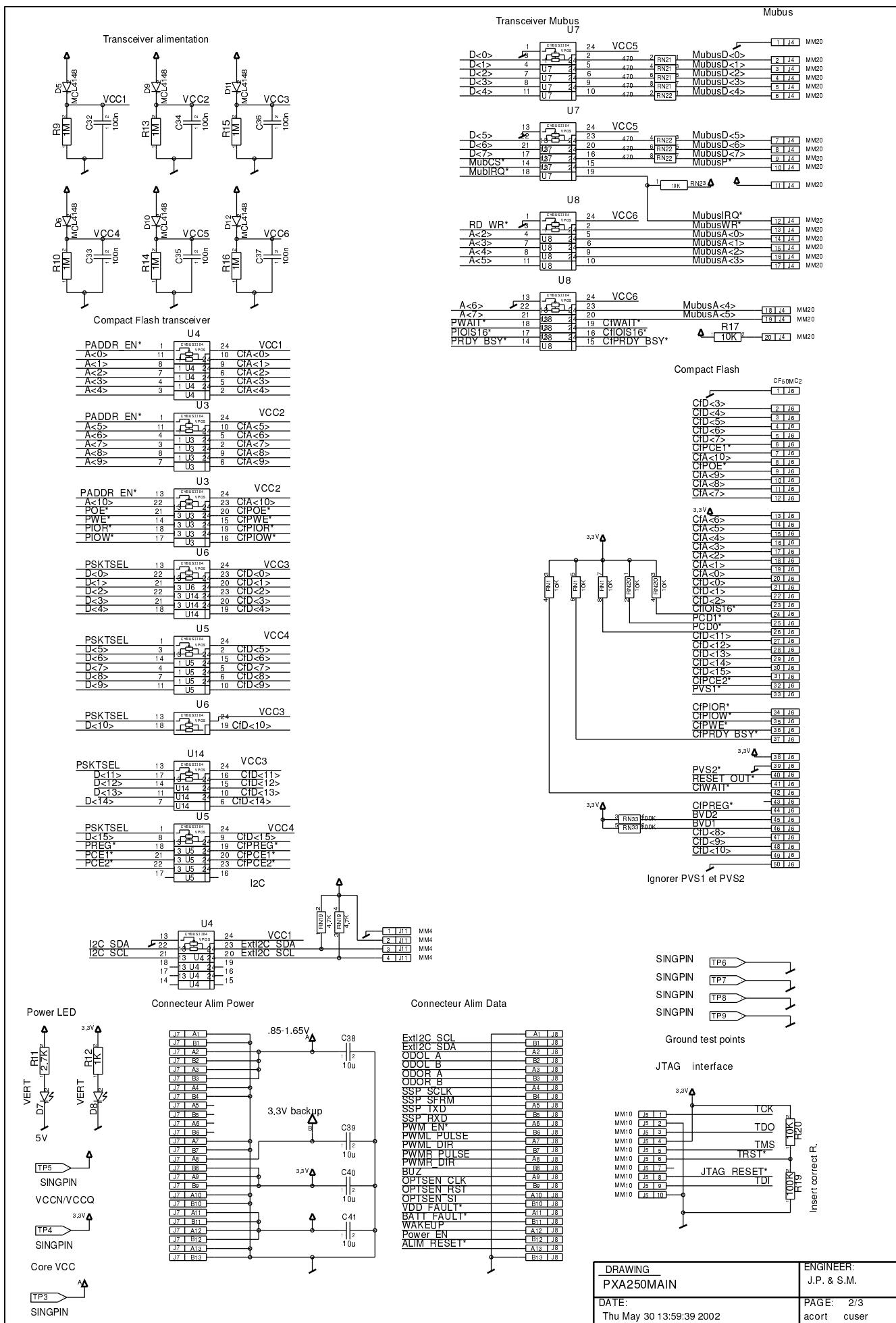
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MATERIAL: FR4 : 1.6 mm

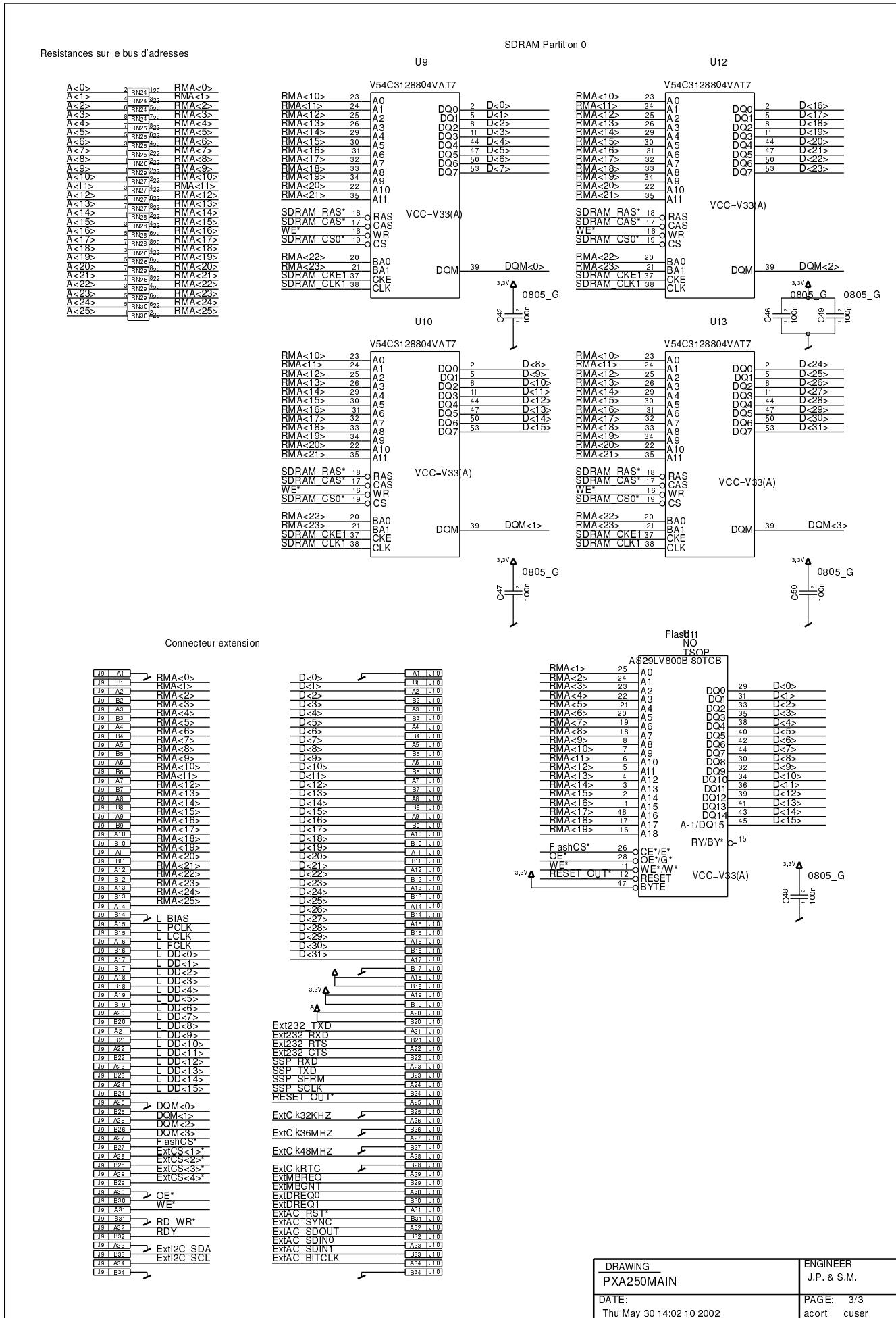


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pxa250main

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A<1>	1 2 3	CfPCE1*	2 2
A<2>	1 2 2 3	CfPCE2*	2 2
A<3>	1 2 2 3	CfPIOR*	2 2
A<4>	1 2 2 3	CfPIOW*	2 2
A<5>	1 2 2 3	CfPOE*	2 2
A<6>	1 2 2 3	CfPRDY_BSY*	2 2
A<7>	1 2 2 3	CfPREG*	2 2
A<8>	1 2 3	CfPWE*	2 2
A<9>	1 2 3	CfWAIT*	2 2
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BATT_FAULT*	1 2	D<17>	1 3 3
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BVD2	2	D<20>	1 3 3
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CfD<5>	2 2	Ext232_RTS	1 3
CfD<6>	2 2	Ext232_RXD	1 3
CfD<7>	2 2	Ext232_TXD	1 3
CfD<8>	2 2	ExtAC_BITCLK	1 3
CfD<9>	2 2	ExtAC_RST*	1 3
CfD<10>	2 2	ExtAC_SDINO	1 3
CfD<11>	2 2	ExtAC_SDIN1	1 3
CfD<12>	2 2	ExtAC_SDOOUT	1 3
CfD<13>	2 2	ExtAC_SYNC	1 3
CfD<14>	2 2	ExtClk32KHZ	1 3
CfD<15>	2 2	ExtClk36MHZ	1 3

# Signal Page Ref PXA250MAIN

pxa250main

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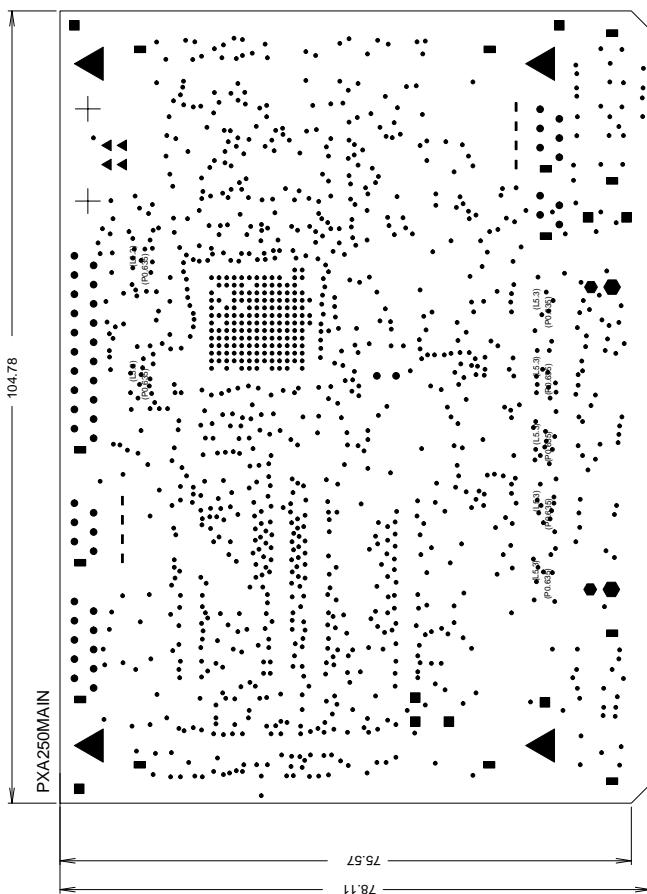
Ref Des	Pages	Ref Des	Pages
ExtClk48MHZ	1 3	ODOR_B	1 2
ExtClkRTC	1 3	OE*	1 3 3
ExtCS<1>*	1 3	OPTSEN_CLK	1 2
ExtCS<2>*	1 3	OPTSEN_RST	1 2
ExtCS<3>*	1 3	OPTSEN_SI	1 2
ExtCS<4>*	1 3	PADDR_EN*	1 2 2 2
ExtDREQ0	1 3	PCD0*	1 2
ExtDREQ1	1 3	PCD1*	2
ExtI2C_SCL	2 2 3	PCE1*	1 2
ExtI2C_SDA	2 2 3	PCE2*	1 2
ExtMBGNT	1 3	PIO16*	1 2
ExtMBREQ	1 3	PIOR*	1 2
FlashCS*	1 3 3	PIOW*	1 2
I2C_SCL	1 2	POE*	1 2
I2C_SDA	1 2	Power_EN	1 2
JTAG_RESET*	1 2	PRDY_BSY*	1 2
L_BIAS	1 3	PREG*	1 2
L_DD<0>	1 3	PSKSEL	1 2 2 2 2 2
L_DD<1>	1 3	PVS1*	2
L_DD<2>	1 3	PVS2*	2
L_DD<3>	1 3	PWAIT*	1 2
L_DD<4>	1 3	PWE*	1 2
L_DD<5>	1 3	PWML_DIR	1 2
L_DD<6>	1 3	PWML_PULSE	1 2
L_DD<7>	1 3	PWMR_DIR	1 2
L_DD<8>	1 3	PWMR_PULSE	1 2
L_DD<9>	1 3	PWM_EN*	1 2
L_DD<10>	1 3	RDY	1 3
L_DD<11>	1 3	RD_WR*	1 2 3
L_DD<12>	1 3	RESET*	1 1 1
L_DD<13>	1 3	RESET_OUT*	1 1 2 3 3
L_DD<14>	1 3	RMA<0>	3 3
L_DD<15>	1 3	RMA<1>	3 3 3
L_FCLK	1 3	RMA<2>	3 3 3
L_LCLK	1 3	RMA<3>	3 3 3
L_PCLK	1 3	RMA<4>	3 3 3
MubCS*	1 2	RMA<5>	3 3 3
MubIRQ*	1 2	RMA<6>	3 3 3
MibusA<0>	2	RMA<7>	3 3 3
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MibusIRQ*	2	RMA<21>	3 3 3 3 3 3 3
MibusP*	2	RMA<22>	3 3 3 3 3 3 3
MibusWR*	2	RMA<23>	3 3 3 3 3 3 3
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ODOL_B	1 2	RMA<25>	3 3
ODOR_A	1 2	SDRAM_CAS*	1 3 3 3 3

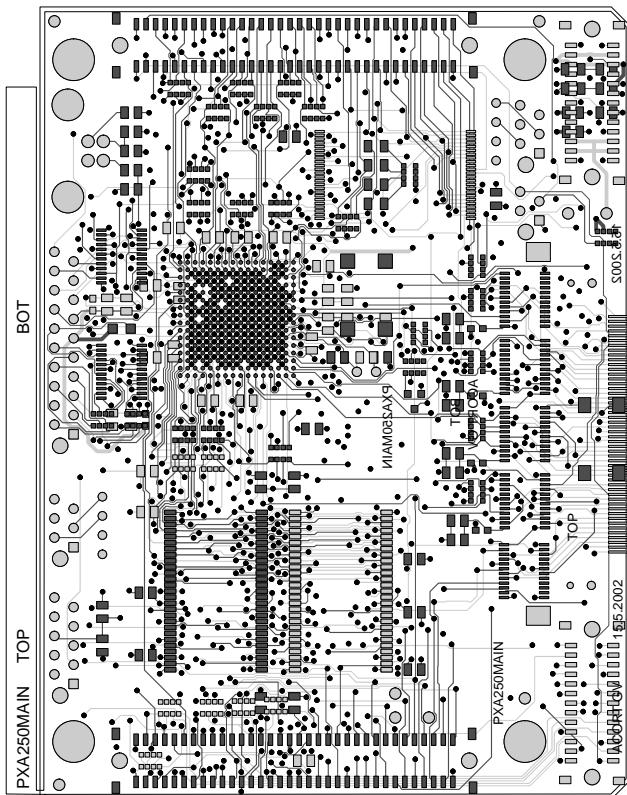
Signal Page Ref PXA250MAIN

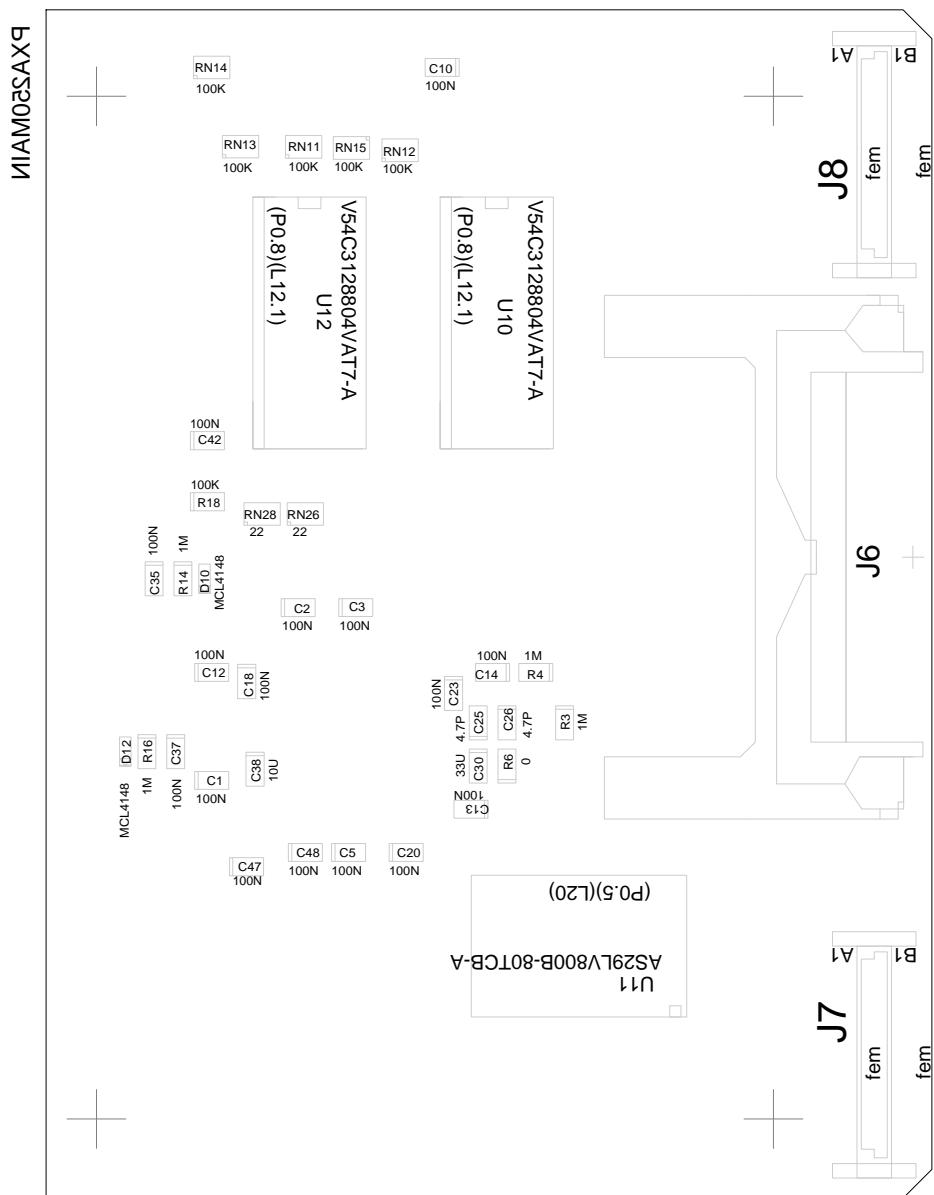
pxa250main

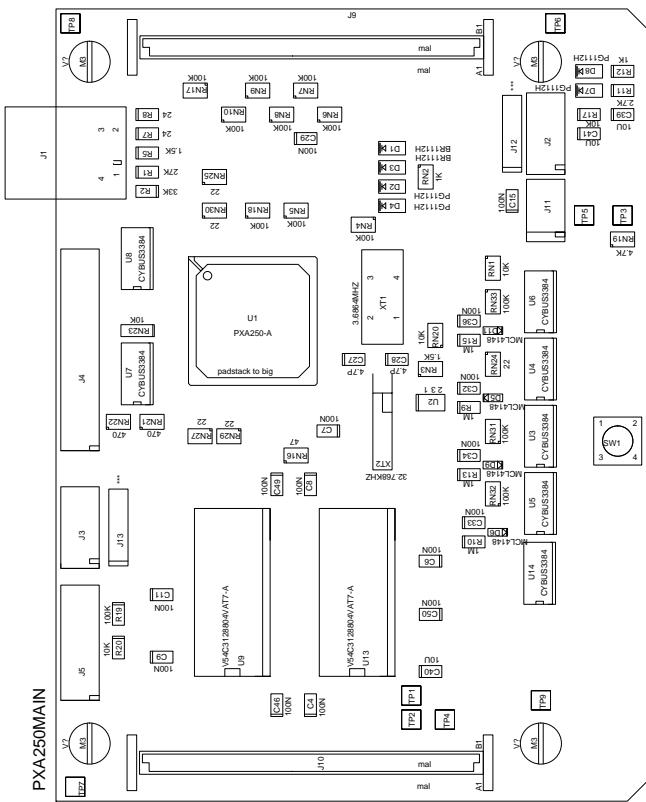
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DRILL CHART			
FIGURE	SIZE	PLATED	QTY
.	0.25	PLATED	1188
■	0.711	PLATED	8
●	0.787	PLATED	48
■	0.889	PLATED	9
▲	1.016	PLATED	4
■	1.499	PLATED	13
+	2.184	PLATED	2
▲	3.2	PLATED	4
●	1.7	NOT PLATED	2
●	2.2	NOT PLATED	2









TITRE:PXA250MAIN

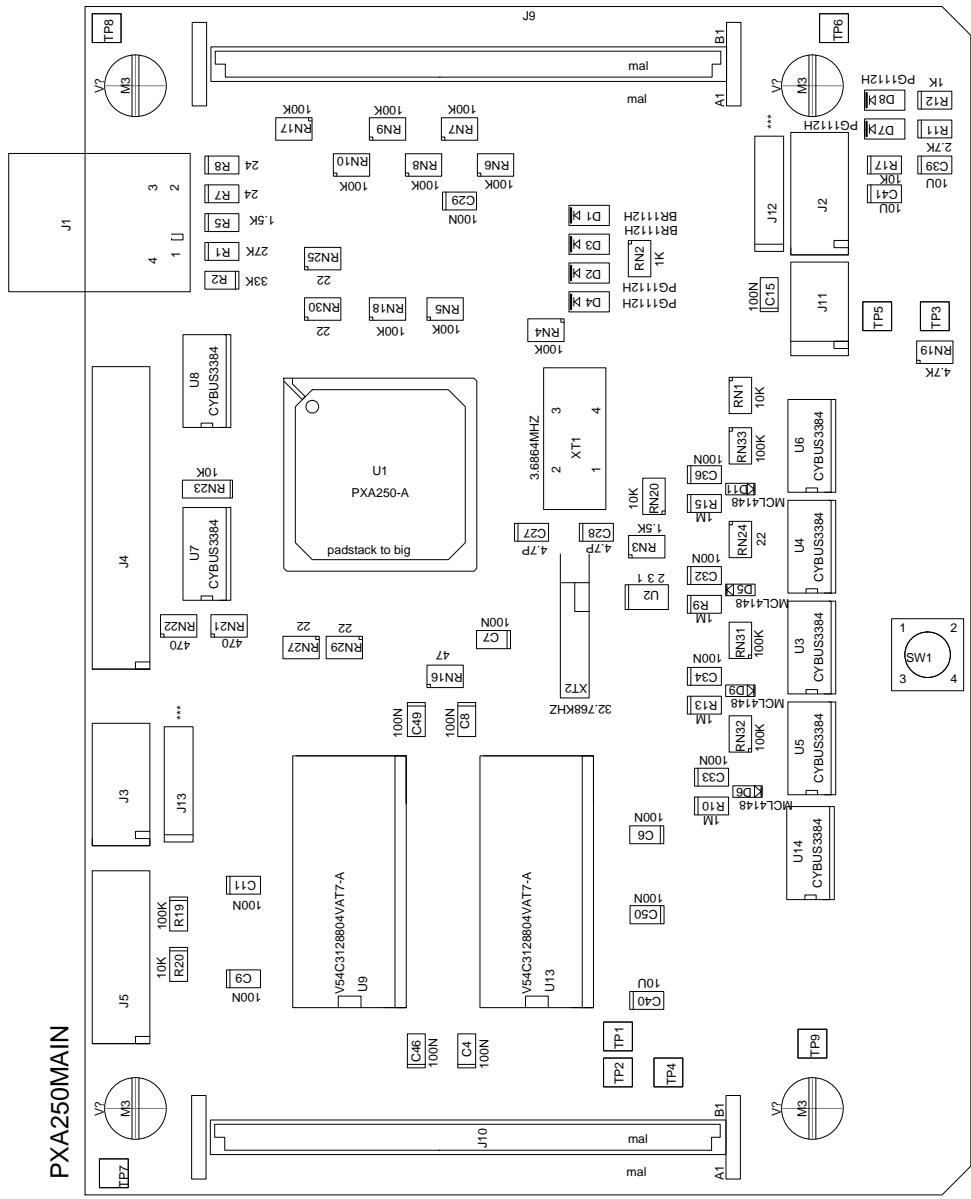
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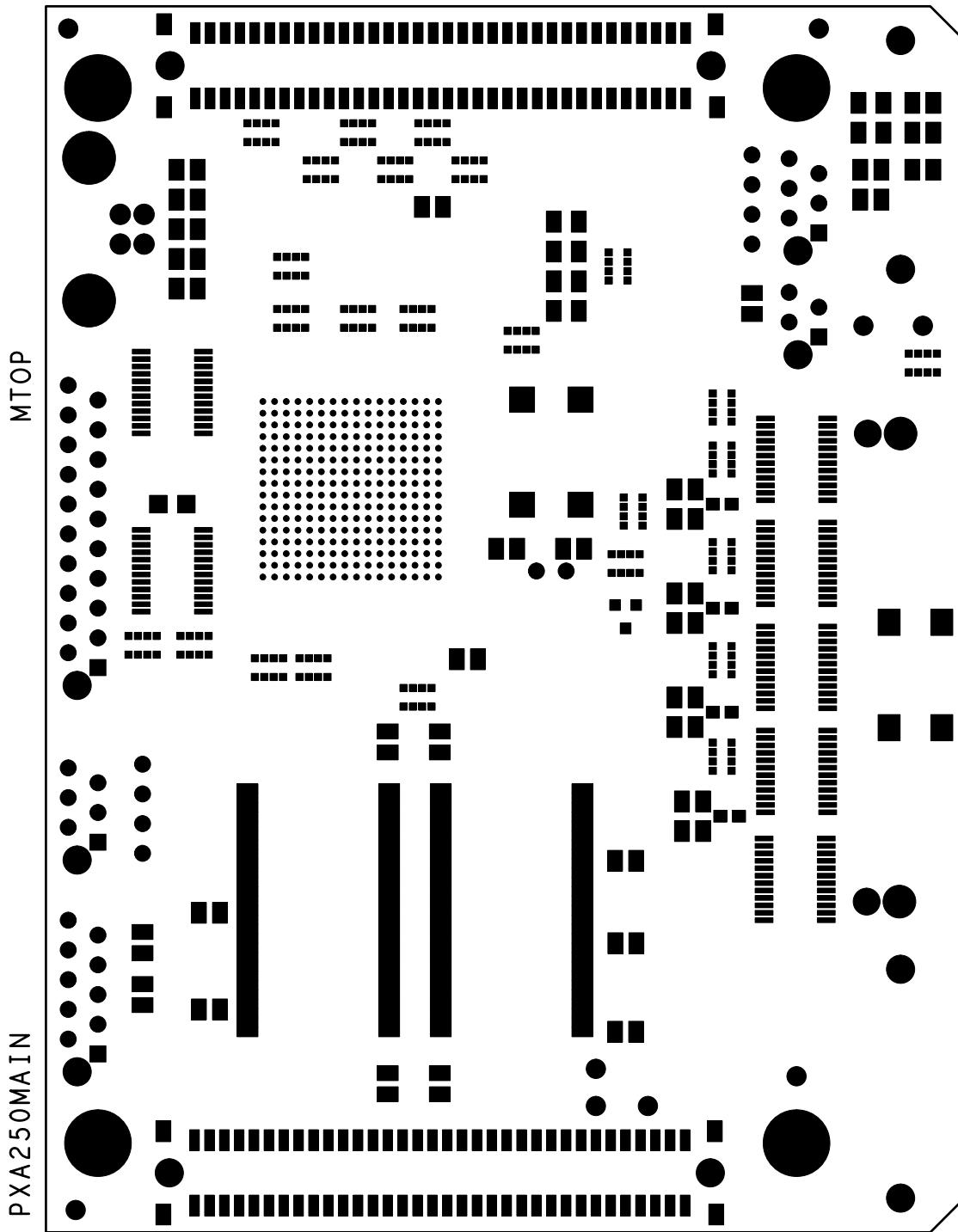
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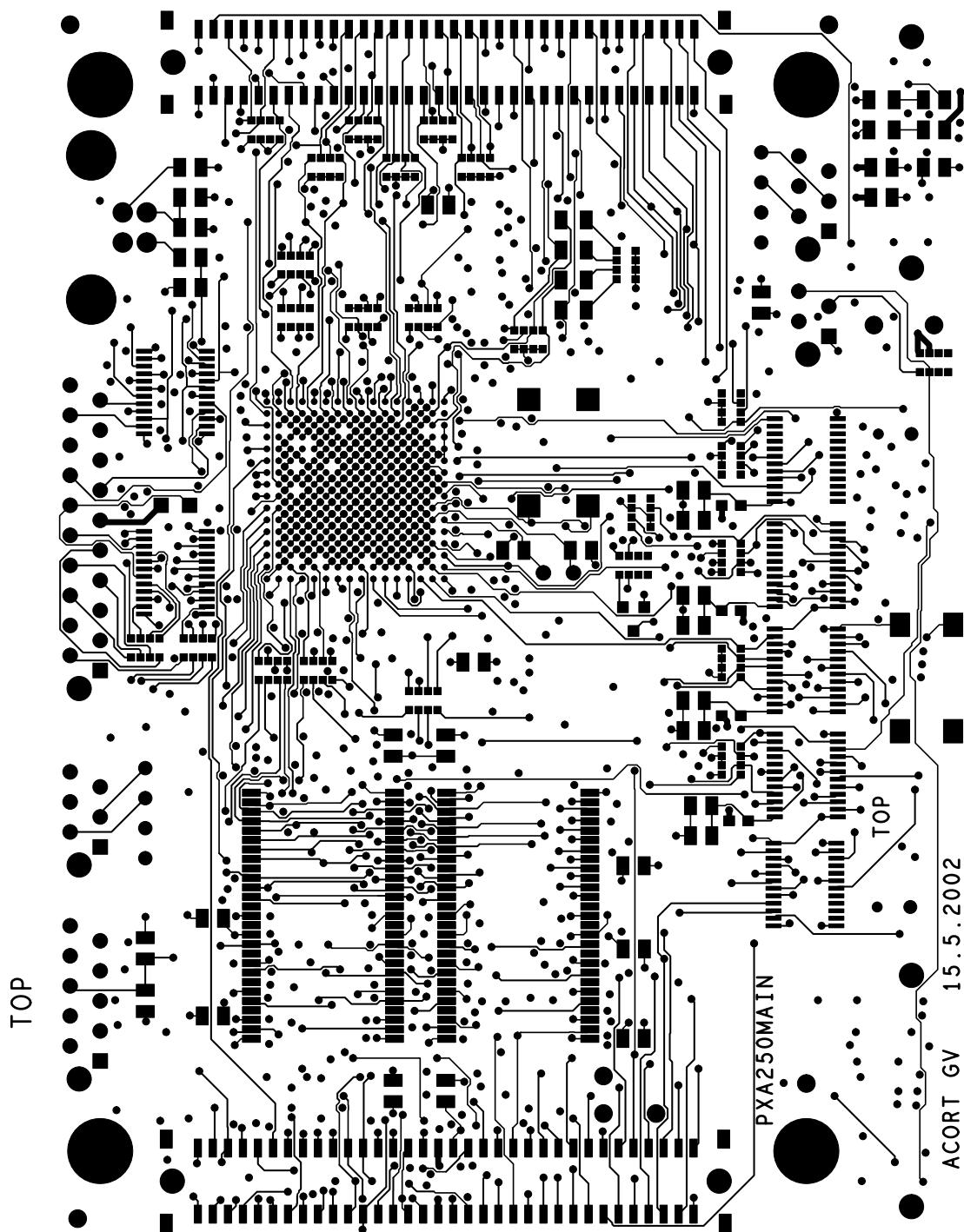
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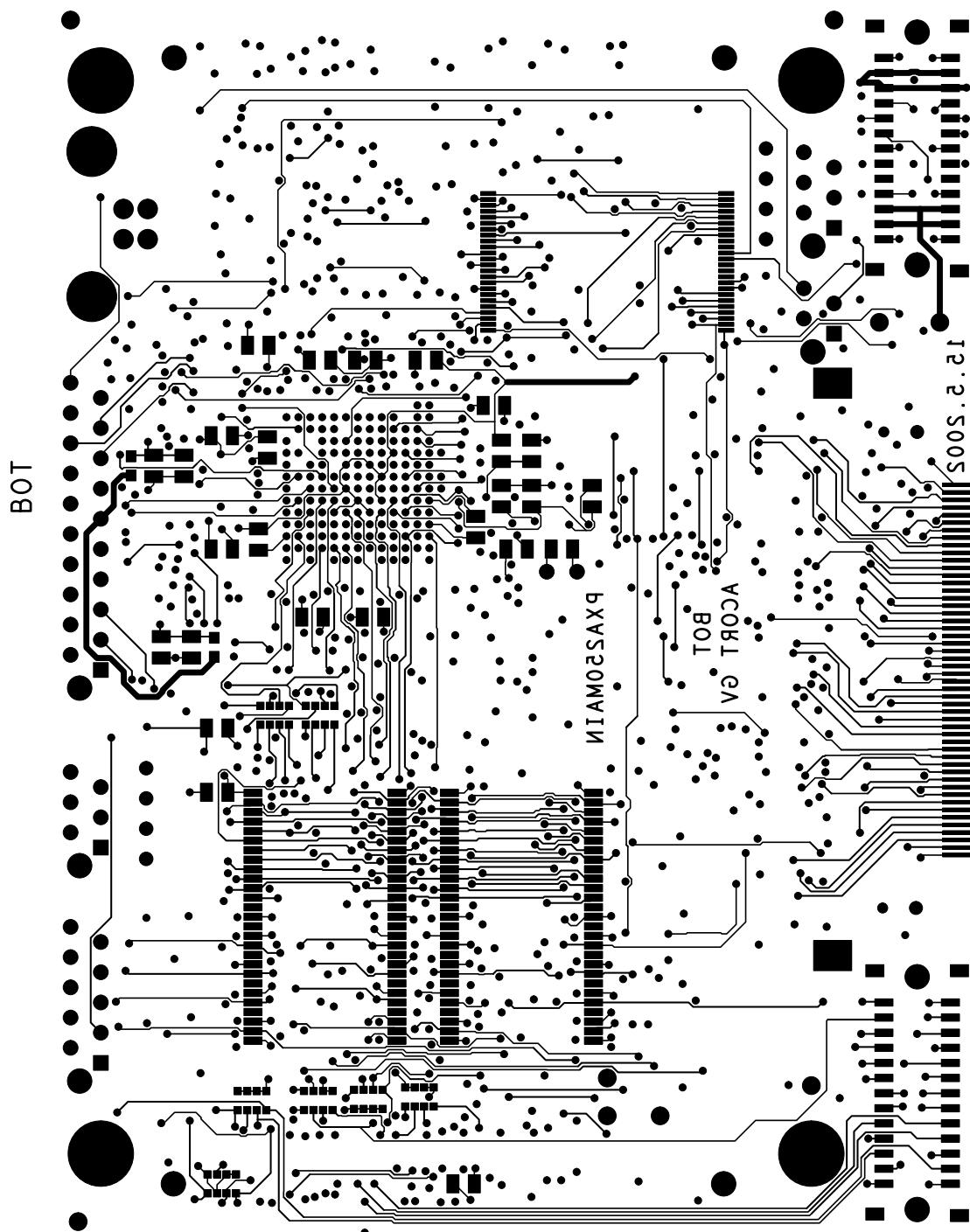
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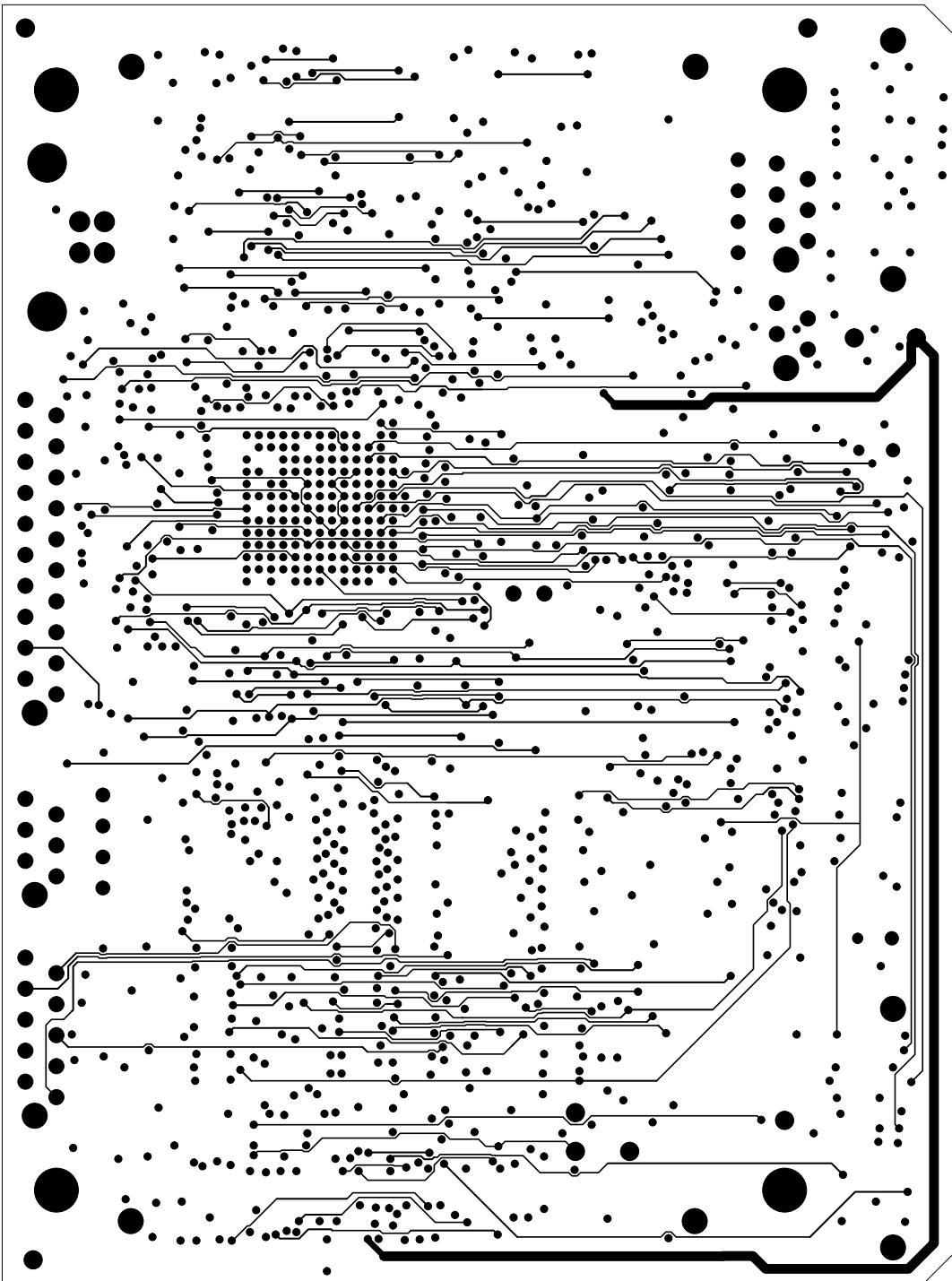






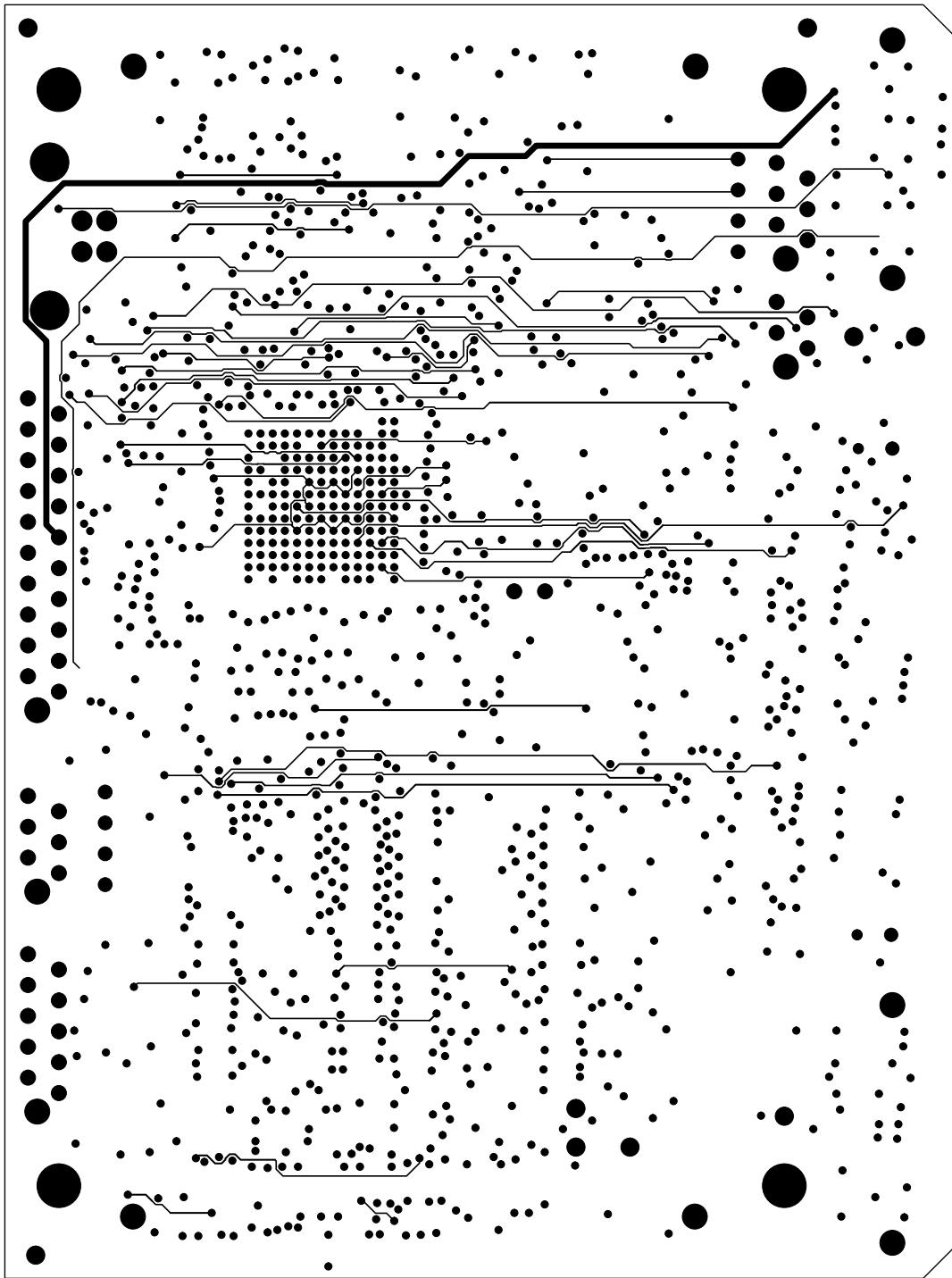


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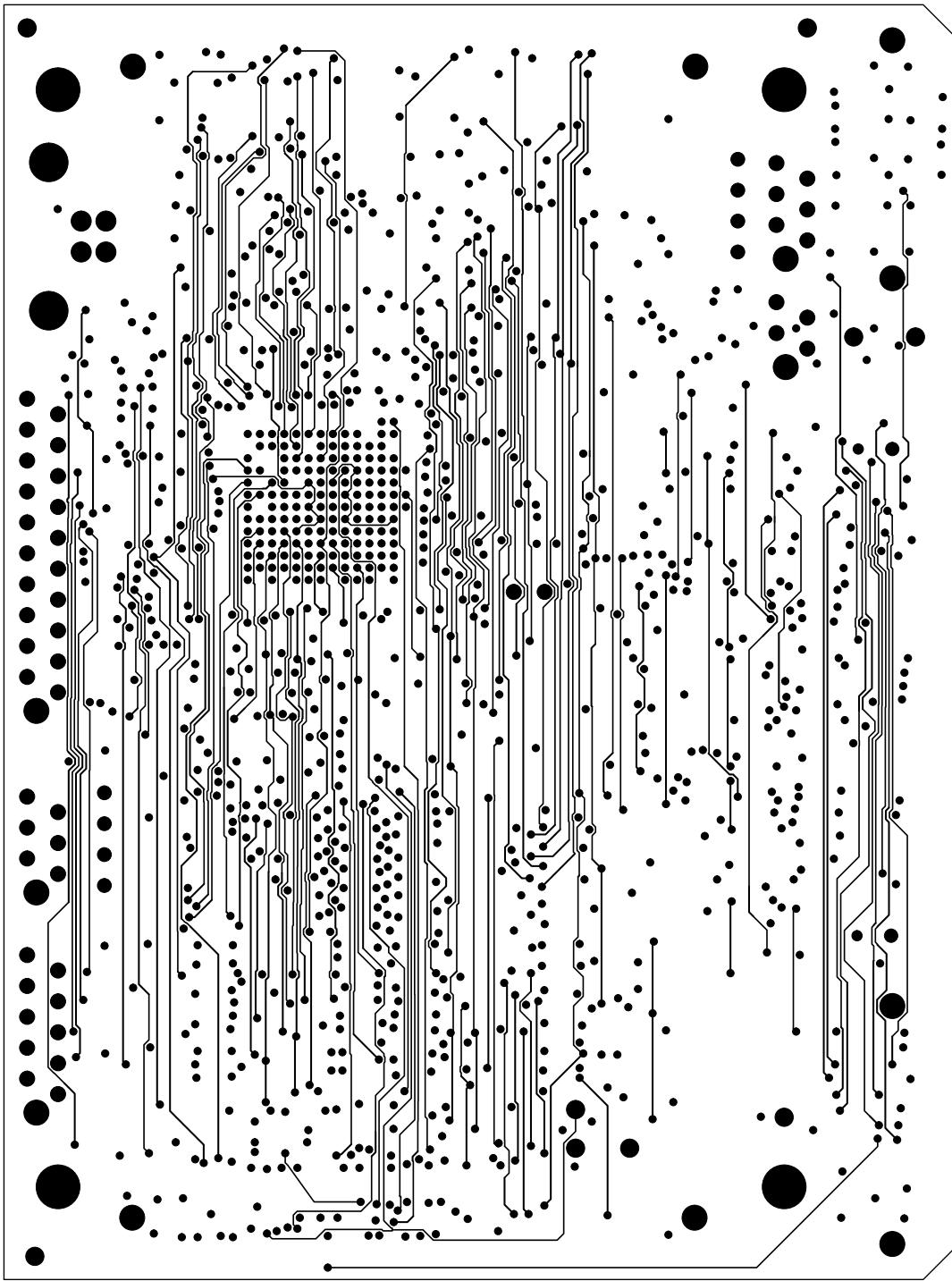


pxa250main

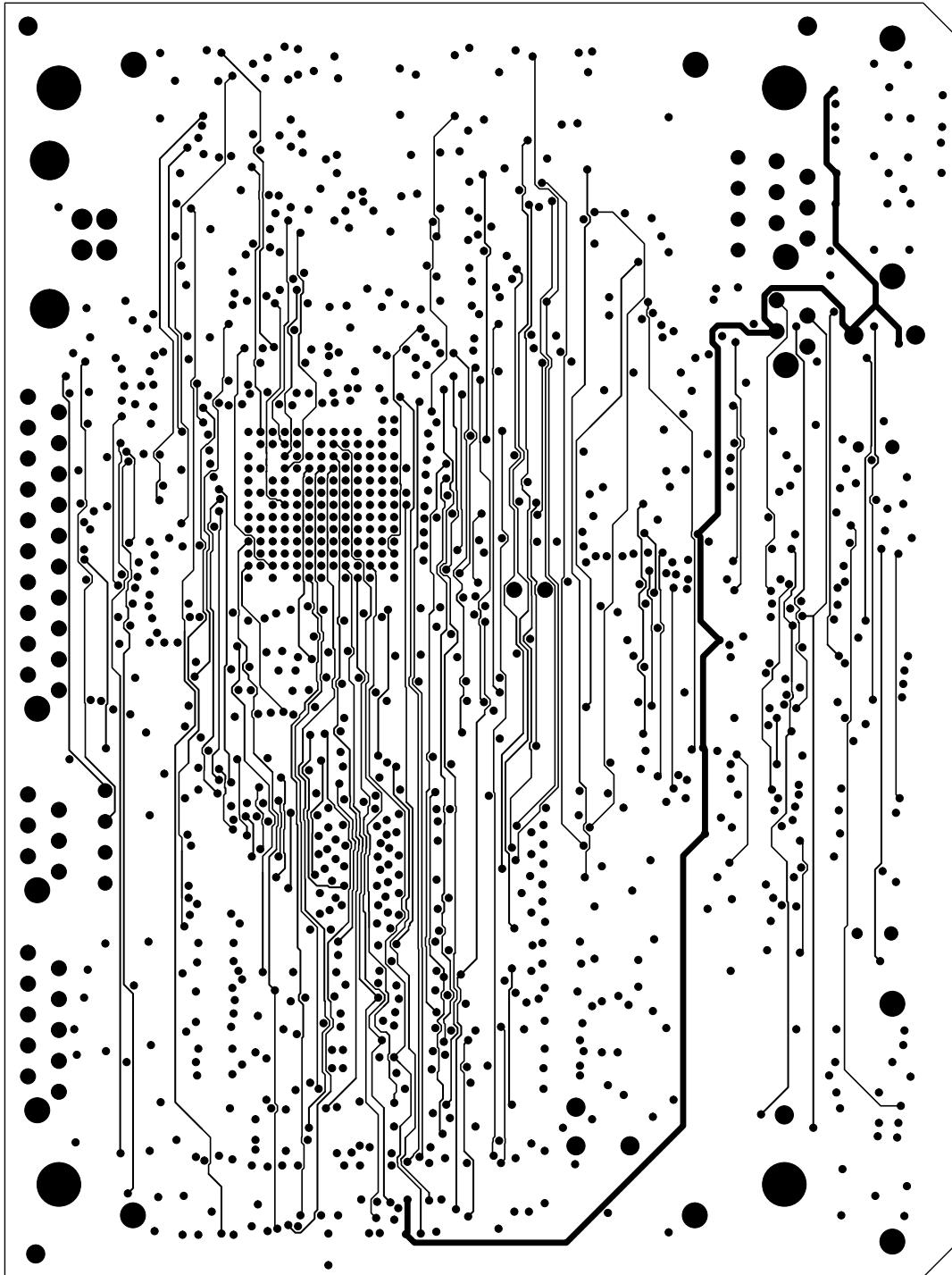
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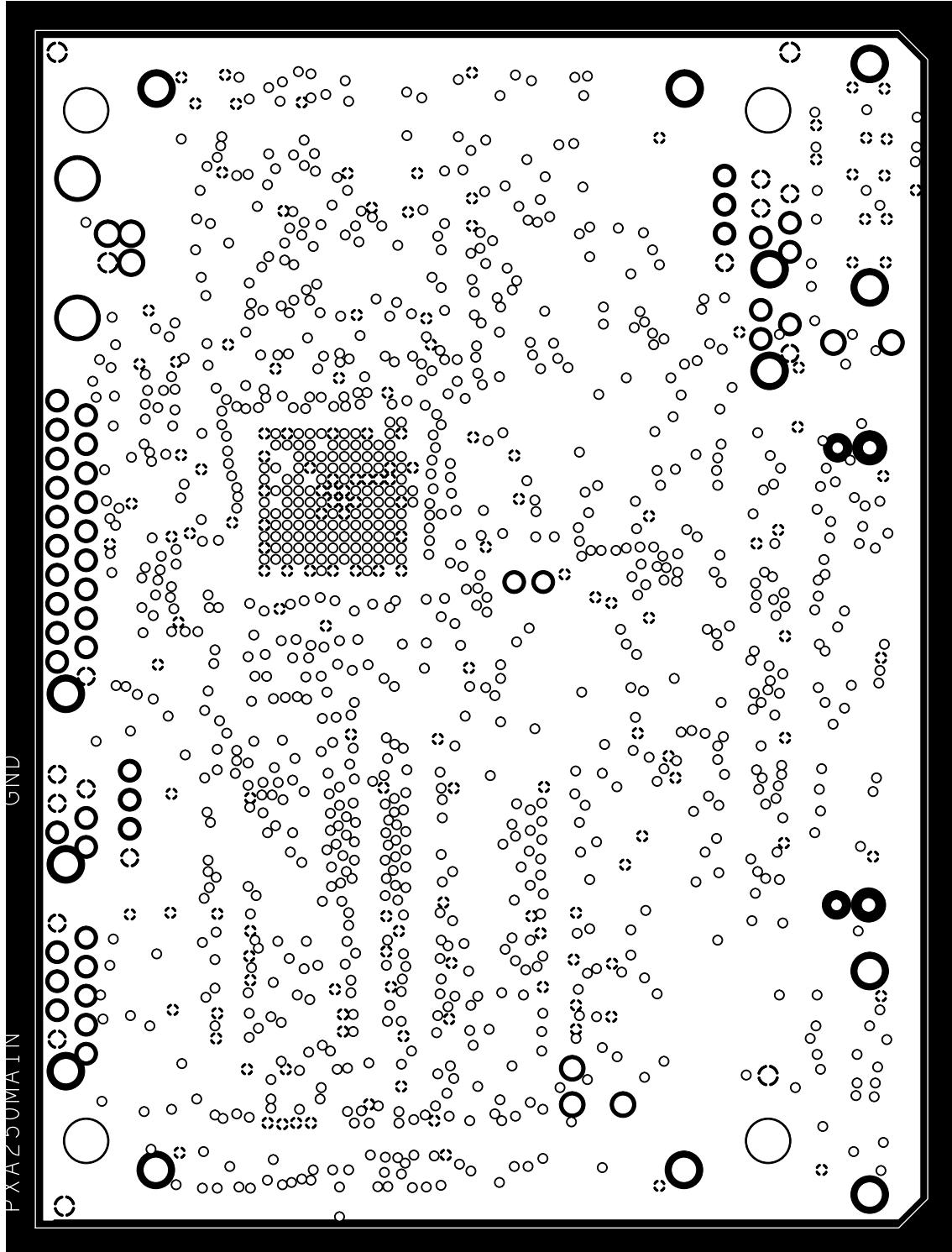


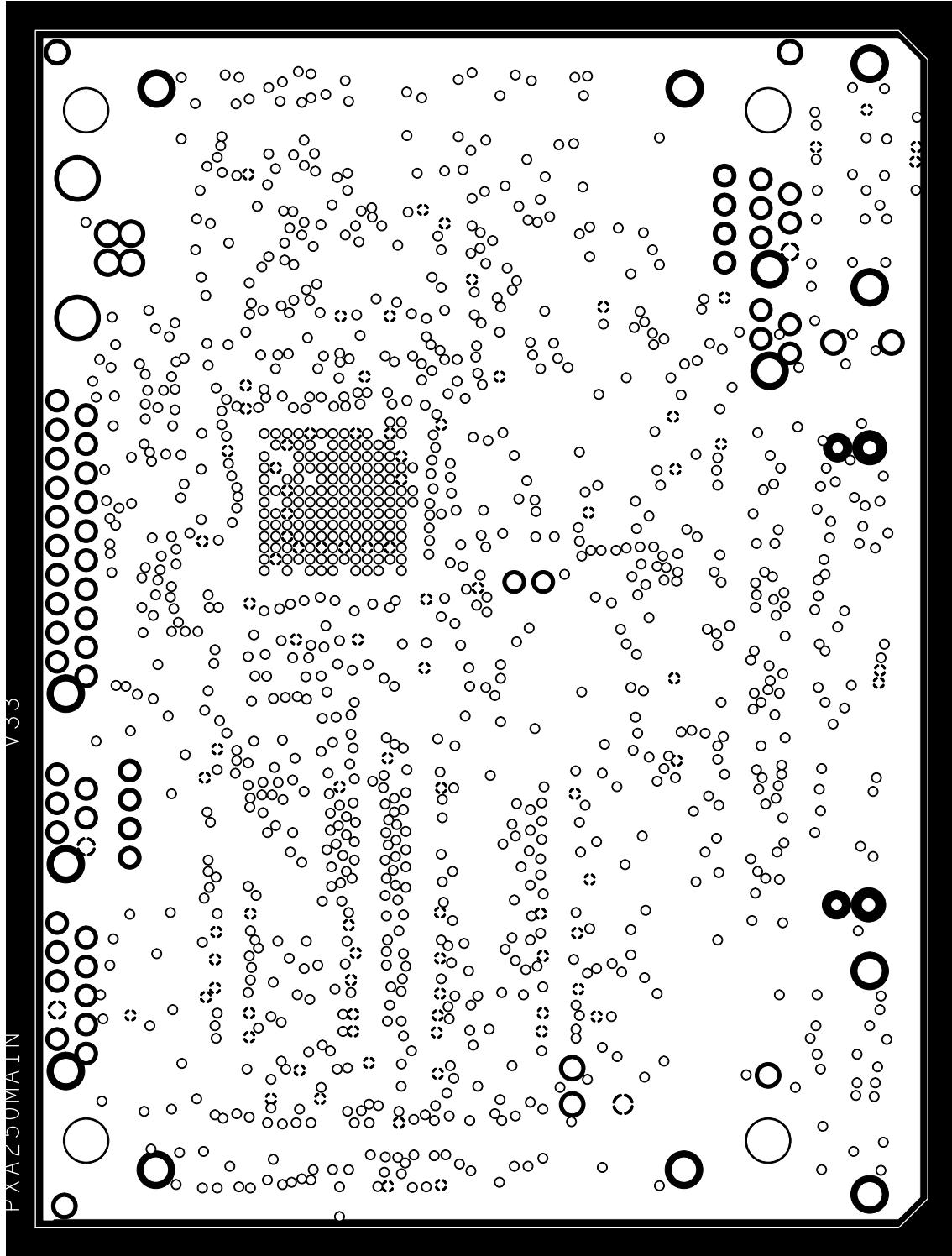
PXA250MAIN BOT 1

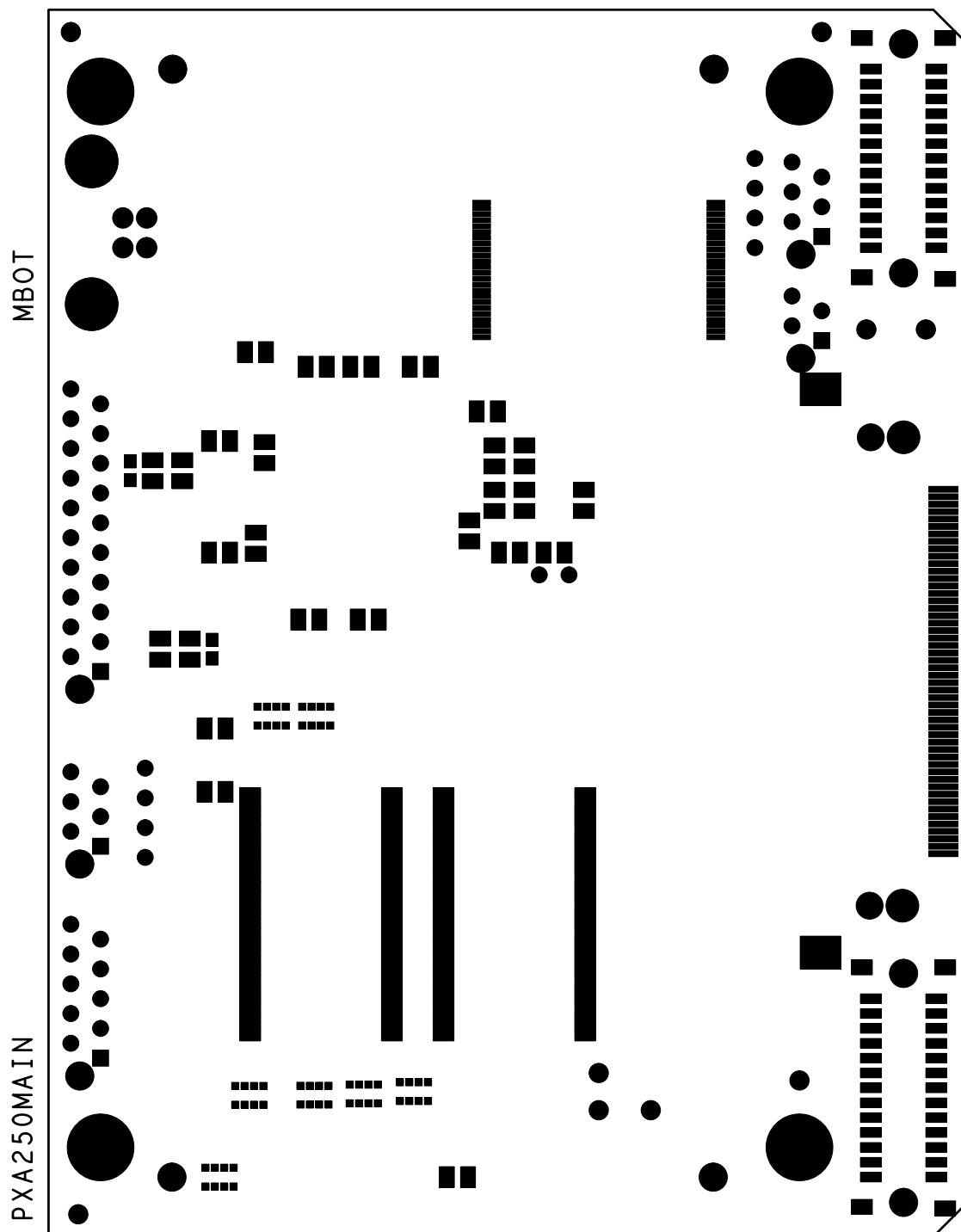


PXA250MAIN  
BOT2









# Component Report PXA250MAIN

pxa250main\_gloss

Tue Jun 4 13:36:09 MET DST 2002

Ref Des	Device Type	Value	Package Type	x	y	ang	Mir	Remark
C1	0805	100N	0805_G	24.765	18.415	0.000	YES	
C2	0805	100N	0805_G	9.525	10.795	0.000	YES	
C3	0805	100N	0805_G	9.525	5.715	0.000	YES	
C4	0805	100N	0805_G	-30.480	-0.635	90.000	NO	
C5	0805	100N	0805_G	31.115	6.350	0.000	YES	
C6	0805	100N	0805_G	-11.430	-16.510	180.000	NO	
C7	0805	100N	0805_G	5.790	-2.990	180.000	NO	
C8	0805	100N	0805_G	-1.270	-0.635	270.000	NO	
C9	0805	100N	0805_G	-24.130	19.050	0.000	NO	
C10	0805	100N	0805_G	-38.100	-1.905	180.000	YES	
C11	0805	100N	0805_G	-15.875	19.050	0.000	NO	
C12	0805	100N	0805_G	15.240	18.415	0.000	YES	
C13	0805	100N	0805_G	27.305	-4.445	180.000	YES	
C14	0805	100N	0805_G	15.240	-6.350	180.000	YES	
C15	0805	100N	0805_G	36.195	-27.305	90.000	NO	
C18	0805	100N	0805_G	16.040	15.330	90.000	YES	
C20	0805	100N	0805_G	31.115	1.270	0.000	YES	
C23	0805	100N	0805_G	17.090	-2.920	90.000	YES	
C25	0805	4.7P	0805_G	19.685	-5.080	270.000	YES	
C26	0805	4.7P	0805_G	19.685	-7.620	90.000	YES	
C27	0805	4.7P	0805_G	15.240	-6.350	0.000	NO	
C28	0805	4.7P	0805_G	15.240	-12.065	0.000	NO	
C29	0805	100N	0805_G	44.450	0.000	0.000	NO	
C30	0805	33U	0805_G	23.495	-5.080	90.000	YES	
C32	0805	100N	0805_G	11.430	-21.590	0.000	NO	
C33	0805	100N	0805_G	-6.350	-22.225	0.000	NO	
C34	0805	100N	0805_G	2.540	-21.590	0.000	NO	
C35	0805	100N	0805_G	6.985	23.495	90.000	YES	
C36	0805	100N	0805_G	20.320	-21.590	0.000	NO	
C37	0805	100N	0805_G	22.225	21.590	90.000	YES	
C38	0805	10U	0805_G	23.770	14.580	90.000	YES	
C39	0805	10U	0805_G	47.625	-41.910	0.000	NO	
C40	0805	10U	0805_G	-26.035	-16.510	0.000	NO	
C41	0805	10U	0805_G	45.085	-37.465	0.000	NO	
C42	0805	100N	0805_G	-5.200	18.800	0.000	YES	
C46	0805	100N	0805_G	-30.480	3.810	90.000	NO	
C47	0805	100N	0805_G	32.360	15.350	0.000	YES	
C48	0805	100N	0805_G	31.115	10.160	0.000	YES	
C49	0805	100N	0805_G	-1.270	3.810	270.000	NO	
C50	0805	100N	0805_G	-18.470	-16.530	180.000	NO	
D1	BR1112H	BR1112H	SMDLED	43.180	-11.442	0.000	NO	
D2	PG1112H	PG1112H	SMDLED	38.100	-11.442	0.000	NO	
D3	BR1112H	BR1112H	SMDLED	40.640	-11.442	0.000	NO	
D4	PG1112H	PG1112H	SMDLED	35.560	-11.442	0.000	NO	
D5	1N4148	MCL4148	MICROMELF	10.160	-24.765	0.000	NO	
D6	1N4148	MCL4148	MICROMELF	-7.620	-25.400	180.000	NO	
D7	PG1112H	PG1112H	SMDLED	50.800	-37.478	0.000	NO	
D8	PG1112H	PG1112H	SMDLED	53.340	-37.478	0.000	NO	
D9	1N4148	MCL4148	MICROMELF	1.270	-24.765	180.000	NO	
D10	1N4148	MCL4148	MICROMELF	6.985	19.050	270.000	YES	
D11	1N4148	MCL4148	MICROMELF	19.050	-24.765	180.000	NO	
D12	1N4148	MCL4148	MICROMELF	22.225	26.035	270.000	YES	
J1	USB4B		USB4B	42.545	24.765	180.000	NO	
J2	CO6		MM6	42.228	-33.020	0.000	NO	
J3	CO6		MM6	-9.843	28.575	0.000	NO	
J4	CO20		MM20	5.080	28.575	0.000	NO	
J5	CO10		MM10	-27.940	28.575	0.000	NO	
J6	CO50		CF50MC_SMD_2	5.080	-43.405	180.000	YES	

# Component Report PXA250MAIN

pxa250main\_gloss

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Ref Des	Device Type	Value	Package Type	x	y	ang	Mir	Remark
J7	ERNI_CPFD26		CPFD26_50_SA	44.450	-40.005	0.000	YES	
J8	ERNI_CPFD26		CPFD26_50_SA	-34.925	-40.005	0.000	YES	
J9	ERNI_CPMD68SA		CPMD68_50_SA	56.515	-6.413	270.000	NO	
J10	ERNI_CPMD68SA		CPMD68_50_SA	-38.100	-6.350	270.000	NO	
J11	CO4		MM4	33.338	-33.020	0.000	NO	
J12	CO4		SIL4	41.275	-27.305	0.000	NO	
J13	CO4		SIL4	-10.795	24.765	0.000	NO	
R1	R	27K	0805_G	40.005	20.955	0.000	NO	
R2	R	33K	0805_G	37.465	20.955	180.000	NO	
R3	R	1M	0805_G	19.685	-12.700	90.000	YES	
R4	R	1M	0805_G	15.240	-10.160	180.000	YES	
R5	R	1.5K	0805_G	42.545	20.955	0.000	NO	
R6	R	0	0805_G	23.495	-7.620	270.000	YES	
R7	R	24	0805_G	45.085	20.955	0.000	NO	
R8	R	24	0805_G	47.625	20.955	0.000	NO	
R9	R	1M	0805_G	8.890	-21.590	0.000	NO	
R10	R	1M	0805_G	-8.890	-22.225	0.000	NO	
R11	R	2.7K	0805_G	50.800	-41.910	0.000	NO	
R12	R	1K	0805_G	53.340	-41.910	0.000	NO	
R13	R	1M	0805_G	0.000	-21.590	0.000	NO	
R14	R	1M	0805_G	6.985	20.955	90.000	YES	
R15	R	1M	0805_G	17.780	-21.590	0.000	NO	
R16	R	1M	0805_G	22.225	24.130	90.000	YES	
R17	R	10K	0805_G	47.625	-37.465	0.000	NO	
R18	R	100K	0805_G	0.200	18.800	0.000	YES	
R19	R	100K	0805_G	-18.415	24.765	270.000	NO	
R20	R	10K	0805_G	-22.860	24.765	270.000	NO	
RN1	RN	10K	RN4_1206	27.305	-24.765	270.000	NO	
RN2	RN	1K	RN4_1206	39.370	-15.875	270.000	NO	
RN3	RN	1.5K	RN4_1206	13.970	-16.510	0.000	NO	
RN4	RN	100K	RN4_1206	33.050	-7.630	180.000	NO	
RN5	RN	100K	RN4_1206	34.925	1.270	0.000	NO	
RN6	RN	100K	RN4_1206	47.625	-3.175	0.000	NO	
RN7	RN	100K	RN4_1206	50.800	0.000	0.000	NO	
RN8	RN	100K	RN4_1206	47.625	3.175	0.000	NO	
RN9	RN	100K	RN4_1206	50.800	6.350	0.000	NO	
RN10	RN	100K	RN4_1206	47.625	9.525	0.000	NO	
RN11	RN	100K	RN4_1206	-31.100	10.310	0.000	YES	
RN12	RN	100K	RN4_1206	-30.800	1.810	0.000	YES	
RN13	RN	100K	RN4_1206	-31.115	15.875	0.000	YES	
RN14	RN	100K	RN4_1206	-38.100	18.415	0.000	YES	
RN15	RN	100K	RN4_1206	-31.000	6.100	180.000	YES	
RN16	RN	47	RN4_1206	2.540	1.270	0.000	NO	
RN17	RN	100K	RN4_1206	50.800	14.605	180.000	NO	
RN18	RN	100K	RN4_1206	34.925	6.350	0.000	NO	
RN19	RN	4.7K	RN4_1206	31.115	-41.910	0.000	NO	
RN20	RN	10K	RN4_1206	18.415	-17.145	90.000	NO	
RN21	RN	470	RN4_1206	6.985	20.320	0.000	NO	
RN22	RN	470	RN4_1206	6.985	24.765	0.000	NO	
RN23	RU_0805	10K	0805	19.050	22.225	180.000	NO	
RN24	RN	22	RN4_1206	14.605	-24.765	270.000	NO	
RN25	RN	22	RN4_1206	39.370	12.065	0.000	NO	
RN26	RN	22	RN4_1206	1.270	10.160	0.000	YES	
RN27	RN	22	RN4_1206	5.080	13.970	180.000	NO	
RN28	RN	22	RN4_1206	1.270	13.970	0.000	YES	
RN29	RN	22	RN4_1206	5.080	10.160	180.000	NO	
RN30	RN	22	RN4_1206	34.925	12.065	0.000	NO	
RN31	RN	100K	RN4_1206	5.715	-24.765	90.000	NO	

# Component Report PXA250MAIN

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Ref Des	Device Type	Value	Package Type	x	y	ang	Mir	Remark
RN32	RN	100K	RN4_1206	-2.540	-24.765	90.000	NO	
RN33	RN	100K	RN4_1206	22.860	-24.765	270.000	NO	
SW1	DTSM		POUSMD3	4.445	-41.275	270.000	NO	
TP1	TP		SINGPIN	-29.210	-13.970	0.000	NO	
TP2	TP		SINGPIN	-32.385	-13.970	0.000	NO	
TP3	TP		SINGPIN	34.290	-41.910	0.000	NO	
TP4	TP		SINGPIN	-32.385	-18.415	0.000	NO	
TP5	TP		SINGPIN	34.290	-36.830	0.000	NO	
TP6	TP		SINGPIN	59.690	-33.020	0.000	NO	
TP7	TP		SINGPIN	-41.275	30.480	0.000	NO	
TP8	TP		SINGPIN	59.690	31.115	0.000	NO	
TP9	TP		SINGPIN	-29.845	-31.115	0.000	NO	
U1	PXA250		PBGA256_1MM	20.320	6.985	270.000	NO	
U2	MAX809_EUR	MAX809EUR-T	SOT23	9.425	-16.510	180.000	NO	
U3	CYBUS3384		PSSOP24	4.780	-29.965	90.000	NO	
U4	CYBUS3384		PSSOP24	13.670	-29.965	90.000	NO	
U5	CYBUS3384		PSSOP24	-4.110	-29.965	90.000	NO	
U6	CYBUS3384		PSSOP24	22.560	-29.965	90.000	NO	
U7	CYBUS3384		PSSOP24	13.035	23.375	90.000	NO	
U8	CYBUS3384		PSSOP24	28.275	23.375	90.000	NO	
U9	V54C3128804VAT7		TSOP54	-15.660	9.745	90.000	NO	
U10	V54C3128804VAT7		TSOP54	-15.660	-6.765	90.000	YES	
U11	AS29LV800B		TSOP48	41.620	-13.970	270.000	YES	
U12	V54C3128804VAT7		TSOP54	-15.660	9.745	90.000	YES	
U13	V54C3128804VAT7		TSOP54	-15.660	-6.765	90.000	NO	
U14	CYBUS3384		PSSOP24	-13.335	-29.845	90.000	NO	
XT1	XTAL	3.6864MHZ	QZ49SNC	23.495	-10.160	0.000	NO	
XT2	XTAL	32.768KHZ	HORL	13.335	-8.890	90.000	NO	

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# BOM Report PXA250MAIN

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Device	Package	Value	Nb	Reference Designators					Remark
0805-1-100N	0805_G	100N	31	C1	C2	C3	C4	C5	
				C6	C7	C8	C9	C10	
				C11	C12	C13	C14	C15	
				C18	C20	C23	C29	C32	
				C33	C34	C35	C36	C37	
				C42	C46	C47	C48	C49	
				C50					
0805-1-10U	0805_G	10U	4	C38	C39	C40	C41		
0805-1-33U	0805_G	33U	1	C30					
0805-1-4.7P	0805_G	4.7P	4	C25	C26	C27	C28		
1N4148-SMD1-MCL4148	MICROMELF	MCL4148	6	D5	D6	D9	D10	D11	
				D12					
AS29LV800B-80TCB-A	TSOP48		1	U11					
BR1112H	SMDLED	BR1112H	2	D1	D3				
CO10-6	MM10		1	J5					
CO20-8	MM20		1	J4					
CO4-14	MM4		1	J11					
CO4-4	SIL4		2	J12	J13				
CO50-18	CF50MC_SMD_2		1	J6					
CO6-5	MM6		2	J2	J3				
CYBUS3384	PSSOP24		7	U3	U4	U5	U6	U7	
				U8	U14				
DTSM-62K	POUSMD3		1	SW1					
ERNI_CPFD26-SMD	CPFD26_50_SA		2	J7	J8				
ERNI_CPM68SA	CPMD68_50_SA		2	J9	J10				
MAX809_EUR-T	SOT23	MAX809E	1	UR-T1	U2				
PG1112H	SMDLED	PG1112H	4	D2	D4	D7	D8		
PXA250-A	PBGA256_1MM		1	U1					
R-20-0	0805_G	0	1	R6					
R-20-1.5K	0805_G	1.5K	1	R5					
R-20-100K	0805_G	100K	2	R18	R19				
R-20-10K	0805_G	10K	2	R17	R20				
R-20-1K	0805_G	1K	1	R12					
R-20-1M	0805_G	1M	8	R3	R4	R9	R10	R13	
				R14	R15	R16			
R-20-2.7K	0805_G	2.7K	1	R11					
R-20-24	0805_G	24	2	R7	R8				
R-20-27K	0805_G	27K	1	R1					
R-20-33K	0805_G	33K	1	R2					
RN-6-1.5K	RN4_1206	1.5K	1	RN3					
RN-6-100K	RN4_1206	100K	17	RN4	RN5	RN6	RN7	RN8	
				RN9	RN10	RN11	RN12	RN13	
				RN14	RN15	RN17	RN18	RN31	
				RN32	RN33				
RN-6-10K	RN4_1206	10K	2	RN1	RN20				
RN-6-1K	RN4_1206	1K	1	RN2					
RN-6-22	RN4_1206	22	7	RN24	RN25	RN26	RN27	RN28	
				RN29	RN30				
RN-6-4.7K	RN4_1206	4.7K	1	RN19					
RN-6-47	RN4_1206	47	1	RN16					
RN-6-470	RN4_1206	470	2	RN21	RN22				
RU_0805-10K	0805	10K	1	RN23					
TP-13	SINGPIN		9	TP1	TP2	TP3	TP4	TP5	
				TP6	TP7	TP8	TP9		
USB4B	USB4B		1	J1					
V54C3128804VAT7-A	TSOP54		4	U9	U10	U12	U13		
XTAL-14-3.686MHZ	QZ49SNC	3.686MHZ	1	XT1					
XTAL-2-32.768KHZ	HORL	32.768KHZ	1	XT2					

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# NC Pins Report PXA250MAIN

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Ref Des	Device	Nb	Not Connected Pins										Remark
J1	USB4B	2	5 6										
J5	CO10-6	1	7										
J6	CO50-18	1	43										
J7	ERNI_CPF26-SMD	10	1	2	3	4	5	6	A5	A6	B5	B6	
J8	ERNI_CPF26-SMD	6	1	2	3	4	5	6					
J9	ERNI_CPM68SA	6	1	2	3	4	5	6					
J10	ERNI_CPM68SA	6	1	2	3	4	5	6					
J12	CO4-4	1	2										
J13	CO4-4	1	2										
RN1	RN-6-10K	2	1	2									
RN3	RN-6-1.5K	4	5	6	7	8							
RN17	RN-6-100K	2	3	4									
RN19	RN-6-4.7K	4	5	6	7	8							
RN20	RN-6-10K	2	7	8									
RN30	RN-6-22	4	3	4	7	8							
RN33	RN-6-100K	2	7	8									
U1	PXA250-A	8	B16	D1	D2	D14	E4	F2	G3	G6			
U4	CYBUS3384	6	14	15	16	17	18	19					
U5	CYBUS3384	2	16	17									
U6	CYBUS3384	15	1	2	3	4	5	6	7	8	9	10	
			11	14	15	16	17						
U11	AS29LV800B-80TCB-A	1	15										
U14	CYBUS3384	6	2	3	4	5	8	9					

Total count 92

# Power Pins Report PXA250MAIN

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Ref Des	Device	Name	Power Pins										Remark
U1	PXA250-A	GND	C2	C4	C8	C11	C14	C16	D16	E2	E15	E16	
			F6	F13	F15	F16	G2	G8	G10	G11	G12	G13	
			H7	H8	H9	J2	J8	J9	J10	J14	K7	K9	
			L2	L14	M15	N2	P15	R2	R4	R6	R8	R10	
			R12	R14	T1								
		V33	A1	C6	C10	C13	D4	D15	E14	F4	G14	G16	
			H4	K4	M4	M14	N5	N7	N9	N11	N13	P3	
		VCCA	F11	G7	G9	H10	J7	J15	K8	K10	L6	L9	
		VCCB	M11										
U2	MAX809_EUR-T	GND	2										
U3	CYBUS3384	GND	12										
U4	CYBUS3384	GND	12 13										
U5	CYBUS3384	GND	12										
U6	CYBUS3384	GND	12										
U7	CYBUS3384	GND	1	12	13								
U8	CYBUS3384	GND	1	12	13								
U9	V54C3128804VAT7-A	GND	6	12	28	41	46	52	54				
		V33	1	3	9	14	27	43	49				
U10	V54C3128804VAT7-A	GND	6	12	28	41	46	52	54				
		V33	1	3	9	14	27	43	49				
U11	AS29LV800B-80TCB-A	GND	27	46									
		V33	37	47									
U12	V54C3128804VAT7-A	GND	6	12	28	41	46	52	54				
		V33	1	3	9	14	27	43	49				
U13	V54C3128804VAT7-A	GND	6	12	28	41	46	52	54				
		V33	1	3	9	14	27	43	49				
U14	CYBUS3384	GND	12										

Total count 14

# Single Node Nets Report PXA250MAIN

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Netname	Node	Device	Remark
-PVS1	J6.33	CO50-18	
-PVS2	J6.40	CO50-18	

Total Nets count 2