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MANAUS 10M

PreMP Build(A02)

2010.03.23

2010/03/16	2010-ECO-004887	A
DATE	CHANGE NO.	REV

	EE	DATE	POWER	DATE	INVENTEC					
DRAWER	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16	TITLE MAS10M					
DESIGN	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16						
CHECK	Pei, Kobe	2010-03-16	Lo, Bin-Zhi	2010-03-16						
RESPONSIBLE	Chiou, Bryan	2010-03-16	Liang, Tommy	2010-03-16						
SIZE = 3					VER : A02					
FILE NAME : MAS10M-6050A2355301-MB-A02-26-20100322					SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02		
P/N : 6050A235301										
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19.CANTIGA-1	42.Audio Codec	
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21.CANTIGA-3	44.LAN CONTROLLER	
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23.CANTIGA-5	46.USB Card Reader	
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27.DDR3 DIMM1	50.Screw	
28.DDR DAMPING	51.EMI	
29.CRT CONN	52. power board	
30.LCM CONN		

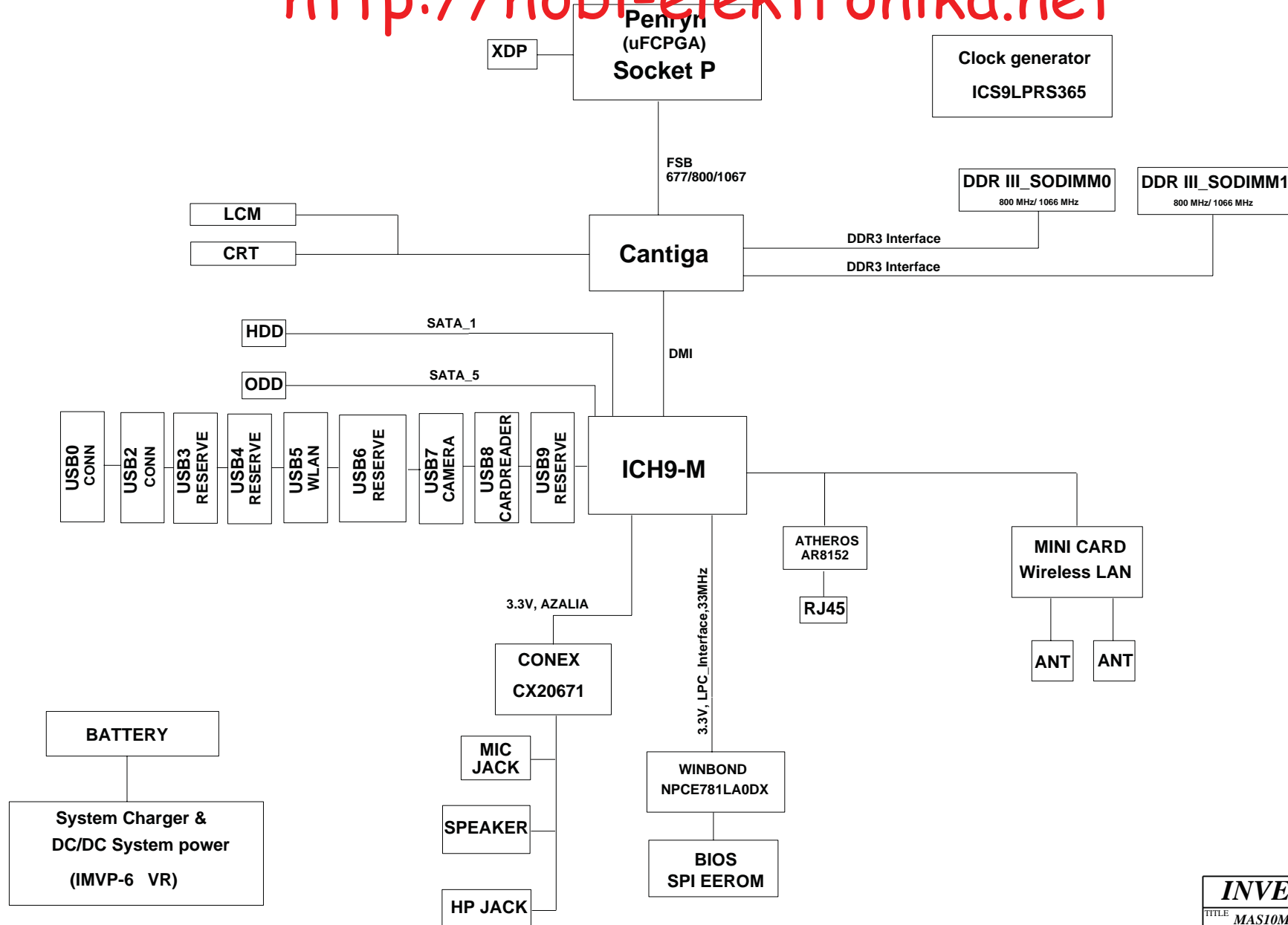
INVENTEC

TITLE
MAS10M

SIZE A3	CODE CS	DOC. NUMBER I310A23553-0-0	REV A02
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TITLE
MAS10M

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

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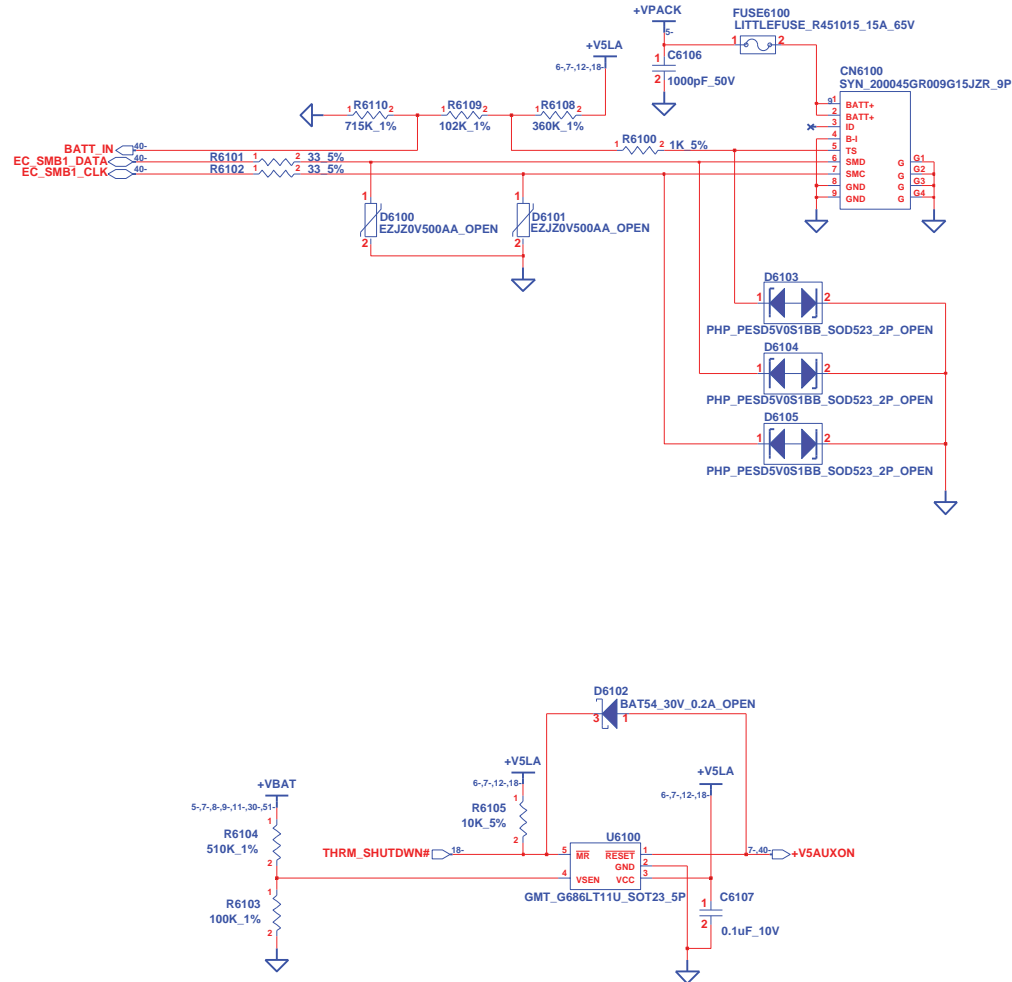
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FUSE6000
 65W-75W 8A(6036A0003401)
 90W 10A(6036A0002901)
 120W 12A(6036A0006001)

MAX10M10
 8.4V : 40D0h
 12.6V : 3140h
 16.8V : 41A0h
 512mA : 0200h_512mA
 1.5A : 0600h_1.54A
 3A : 0C00h_3.07A

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TITLE

SELECT & BATTERY CONN

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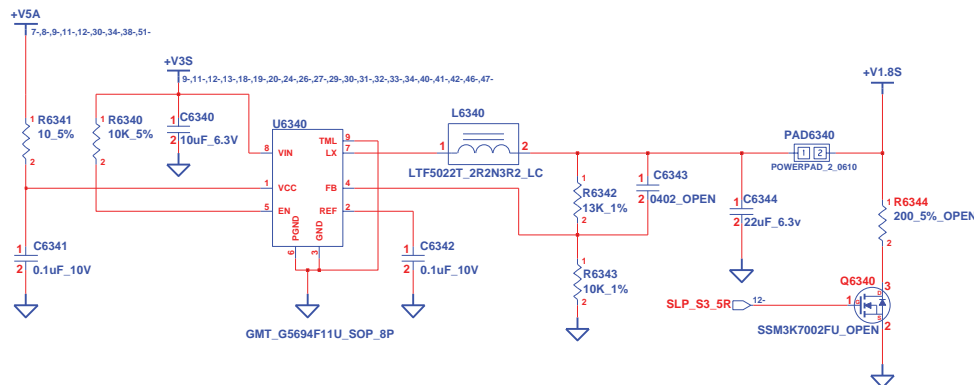
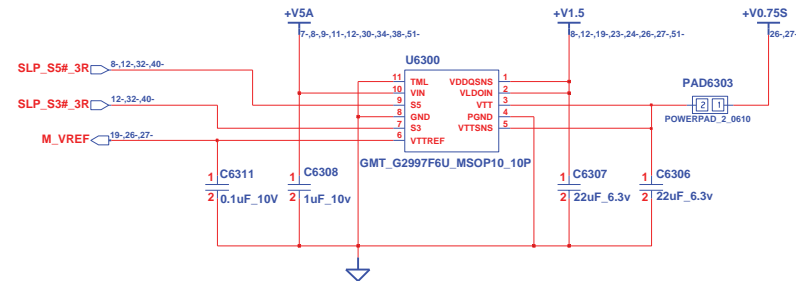
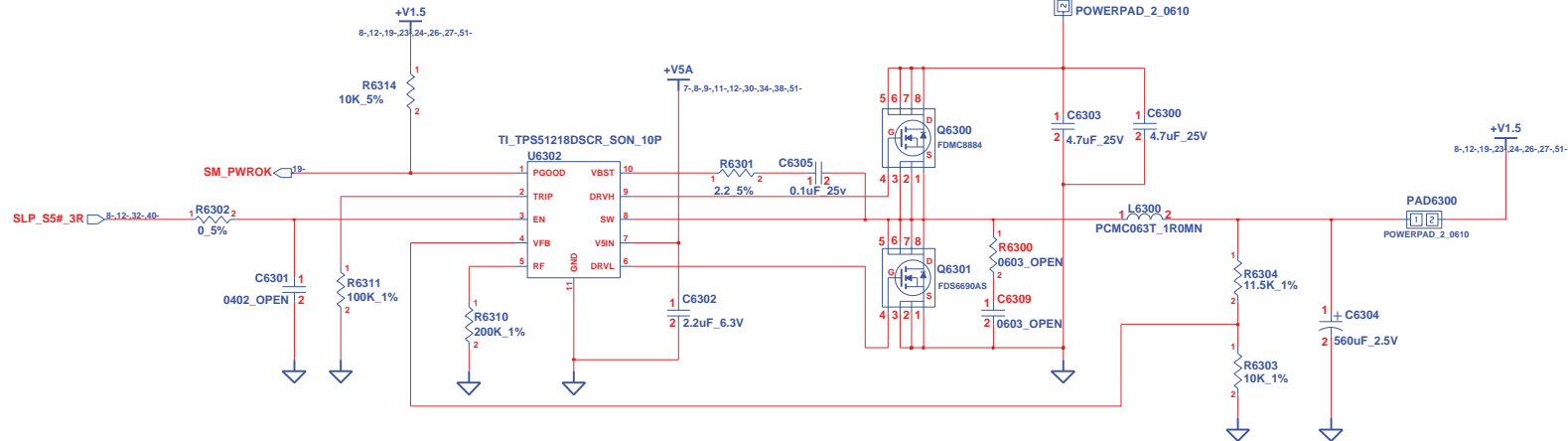
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COMPONENTS AND VALUES:

- Resistors:** R6203 (10K_5%), R6202 (200_5%), R6201 (10K_1%), R6207 (6.8K_1%), R6208 (10K_1%), R6210 (130K_1%), R6211 (100K_5%), R6212 (0.1uF_25v), R6213 (0.22uF_6.3V), R6214 (0.1uF_25v), R6215 (0.1uF_25v), R6216 (0.1uF_25v), R6217 (0.1uF_25v), R6218 (0.1uF_25v), R6219 (0.1uF_25v), R6220 (0.1uF_25v), R6221 (0.1uF_25v), R6222 (0.1uF_25v), R6223 (0.1uF_25v), R6224 (0.1uF_25v), R6225 (0.1uF_25v), R6226 (0.1uF_25v), R6227 (0.1uF_25v), R6228 (0.1uF_25v), R6229 (0.1uF_25v), R6230 (0.1uF_25v), R6231 (0.1uF_25v), R6232 (0.1uF_25v), R6233 (0.1uF_25v), R6234 (0.1uF_25v), R6235 (0.1uF_25v), R6236 (0.1uF_25v), R6237 (0.1uF_25v), R6238 (0.1uF_25v), R6239 (0.1uF_25v), R6240 (0.1uF_25v), R6241 (0.1uF_25v), R6242 (0.1uF_25v), R6243 (0.1uF_25v), R6244 (0.1uF_25v), R6245 (0.1uF_25v), R6246 (0.1uF_25v), R6247 (0.1uF_25v), R6248 (0.1uF_25v), R6249 (0.1uF_25v), R6250 (0.1uF_25v), R6251 (0.1uF_25v), R6252 (0.1uF_25v), R6253 (0.1uF_25v), R6254 (0.1uF_25v), R6255 (0.1uF_25v), R6256 (0.1uF_25v), R6257 (0.1uF_25v), R6258 (0.1uF_25v), R6259 (0.1uF_25v), R6260 (0.1uF_25v), R6261 (0.1uF_25v), R6262 (0.1uF_25v), R6263 (0.1uF_25v), R6264 (0.1uF_25v), R6265 (0.1uF_25v), R6266 (0.1uF_25v), R6267 (0.1uF_25v), R6268 (0.1uF_25v), R6269 (0.1uF_25v), R6270 (0.1uF_25v), R6271 (0.1uF_25v), R6272 (0.1uF_25v), R6273 (0.1uF_25v), R6274 (0.1uF_25v), R6275 (0.1uF_25v), R6276 (0.1uF_25v), R6277 (0.1uF_25v), R6278 (0.1uF_25v), R6279 (0.1uF_25v), R6280 (0.1uF_25v), R6281 (0.1uF_25v), R6282 (0.1uF_25v), R6283 (0.1uF_25v), R6284 (0.1uF_25v), R6285 (0.1uF_25v), R6286 (0.1uF_25v), R6287 (0.1uF_25v), R6288 (0.1uF_25v), R6289 (0.1uF_25v), R6290 (0.1uF_25v), R6291 (0.1uF_25v), R6292 (0.1uF_25v), R6293 (0.1uF_25v), R6294 (0.1uF_25v), R6295 (0.1uF_25v), R6296 (0.1uF_25v), R6297 (0.1uF_25v), R6298 (0.1uF_25v), R6299 (0.1uF_25v), R6300 (0.1uF_25v), R6301 (0.1uF_25v), R6302 (0.1uF_25v), R6303 (0.1uF_25v), R6304 (0.1uF_25v), R6305 (0.1uF_25v), R6306 (0.1uF_25v), R6307 (0.1uF_25v), R6308 (0.1uF_25v), R6309 (0.1uF_25v), R6310 (0.1uF_25v), R6311 (0.1uF_25v), R6312 (0.1uF_25v), R6313 (0.1uF_25v), R6314 (0.1uF_25v), R6315 (0.1uF_25v), R6316 (0.1uF_25v), R6317 (0.1uF_25v), R6318 (0.1uF_25v), R6319 (0.1uF_25v), R6320 (0.1uF_25v), R6321 (0.1uF_25v), R6322 (0.1uF_25v), R6323 (0.1uF_25v), R6324 (0.1uF_25v), R6325 (0.1uF_25v), R6326 (0.1uF_25v), R6327 (0.1uF_25v), R6328 (0.1uF_25v), R6329 (0.1uF_25v), R6330 (0.1uF_25v), R6331 (0.1uF_25v), R6332 (0.1uF_25v), R6333 (0.1uF_25v), R6334 (0.1uF_25v), R6335 (0.1uF_25v), R6336 (0.1uF_25v), R6337 (0.1uF_25v), R6338 (0.1uF_25v), R6339 (0.1uF_25v), R6340 (0.1uF_25v), R6341 (0.1uF_25v), R6342 (0.1uF_25v), R6343 (0.1uF_25v), R6344 (0.1uF_25v), R6345 (0.1uF_25v), R6346 (0.1uF_25v), R6347 (0.1uF_25v), R6348 (0.1uF_25v), R6349 (0.1uF_25v), R6350 (0.1uF_25v), R6351 (0.1uF_25v), R6352 (0.1uF_25v), R6353 (0.1uF_25v), R6354 (0.1uF_25v), R6355 (0.1uF_25v), R6356 (0.1uF_25v), R6357 (0.1uF_25v), R6358 (0.1uF_25v), R6359 (0.1uF_25v), R6360 (0.1uF_25v), R6361 (0.1uF_25v), R6362 (0.1uF_25v), R6363 (0.1uF_25v), R6364 (0.1uF_25v), R6365 (0.1uF_25v), R6366 (0.1uF_25v), R6367 (0.1uF_25v), R6368 (0.1uF_25v), R6369 (0.1uF_25v), R6370 (0.1uF_25v), R6371 (0.1uF_25v), R6372 (0.1uF_25v), R6373 (0.1uF_25v), R6374 (0.1uF_25v), R6375 (0.1uF_25v), R6376 (0.1uF_25v), R6377 (0.1uF_25v), R6378 (0.1uF_25v), R6379 (0.1uF_25v), R6380 (0.1uF_25v), R6381 (0.1uF_25v), R6382 (0.1uF_25v), R6383 (0.1uF_25v), R6384 (0.1uF_25v), R6385 (0.1uF_25v), R6386 (0.1uF_25v), R6387 (0.1uF_25v), R6388 (0.1uF_25v), R6389 (0.1uF_25v), R6390 (0.1uF_25v), R6391 (0.1uF_25v), R6392 (0.1uF_25v), R6393 (0.1uF_25v), R6394 (0.1uF_25v), R6395 (0.1uF_25v), R6396 (0.1uF_25v), R6397 (0.1uF_25v), R6398 (0.1uF_25v), R6399 (0.1uF_25v), R6400 (0.1uF_25v), R6401 (0.1uF_25v), R6402 (0.1uF_25v), R6403 (0.1uF_25v), R6404 (0.1uF_25v), R6405 (0.1uF_25v), R6406 (0.1uF_25v), R6407 (0.1uF_25v), R6408 (0.1uF_25v), R6409 (0.1uF_25v), R6410 (0.1uF_25v), R6411 (0.1uF_25v), R6412 (0.1uF_25v), R6413 (0.1uF_25v), R6414 (0.1uF_25v), R6415 (0.1uF_25v), R6416 (0.1uF_25v), R6417 (0.1uF_25v), R6418 (0.1uF_25v), R6419 (0.1uF_25v), R6420 (0.1uF_25v), R6421 (0.1uF_25v), R6422 (0.1uF_25v), R6423 (0.1uF_25v), R6424 (0.1uF_25v), R6425 (0.1uF_25v), R6426 (0.1uF_25v), R6427 (0.1uF_25v), R6428 (0.1uF_25v), R6429 (0.1uF_25v), R6430 (0.1uF_25v), R6431 (0.1uF_25v), R6432 (0.1uF_25v), R6433 (0.1uF_25v), R6434 (0.1uF_25v), R6435 (0.1uF_25v), R6436 (0.1uF_25v), R6437 (0.1uF_25v), R6438 (0.1uF_25v), R6439 (0.1uF_25v), R6440 (0.1uF_25v), R6441 (0.1uF_25v), R6442 (0.1uF_25v), R6443 (0.1uF_25v), R6444 (0.1uF_25v), R6445 (0.1uF_25v), R6446 (0.1uF_25v), R6447 (0.1uF_25v), R6448 (0.1uF_25v), R6449 (0.1uF_25v), R6450 (0.1uF_25v), R6451 (0.1uF_25v), R6452 (0.1uF_25v), R6453 (0.1uF_25v), R6454 (0.1uF_25

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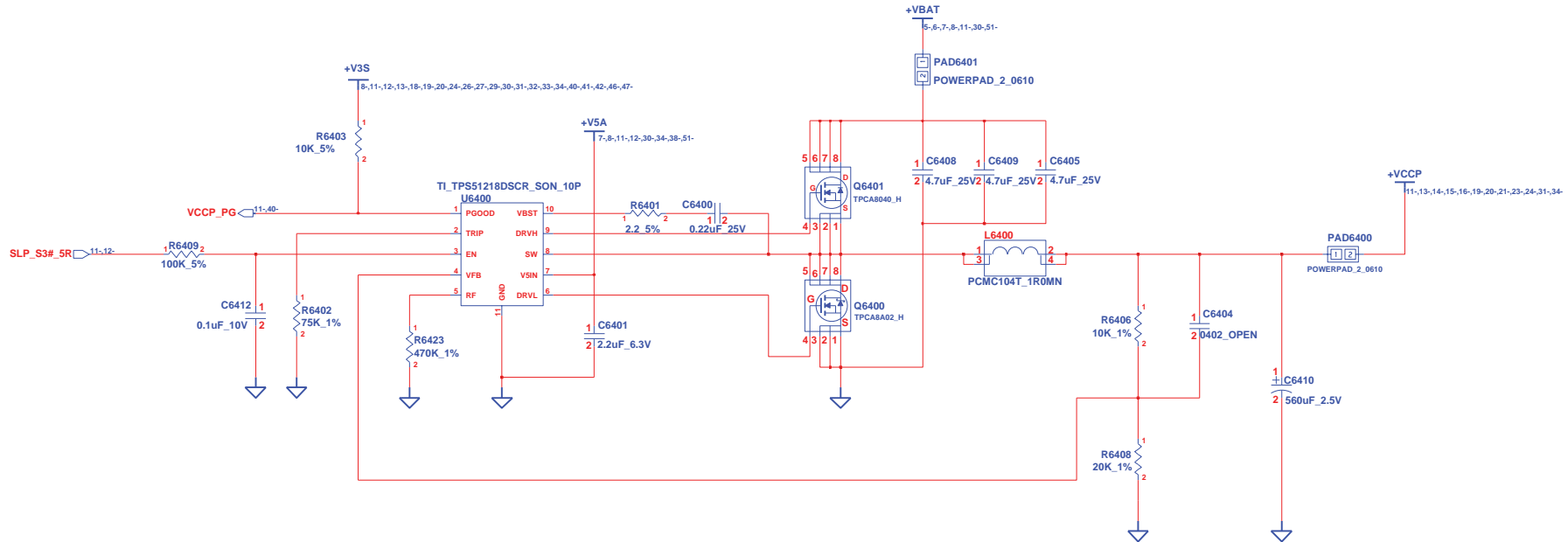
TITLE
MAS10M
SYSTEM POWER(+V1.8/+V1.25S)

SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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INVENTEC

TITLE
MAS10M
GRAPHIC POWER (+VGFX_CORE)

SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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CHANGE by **KOBE** 23-Mar-2010

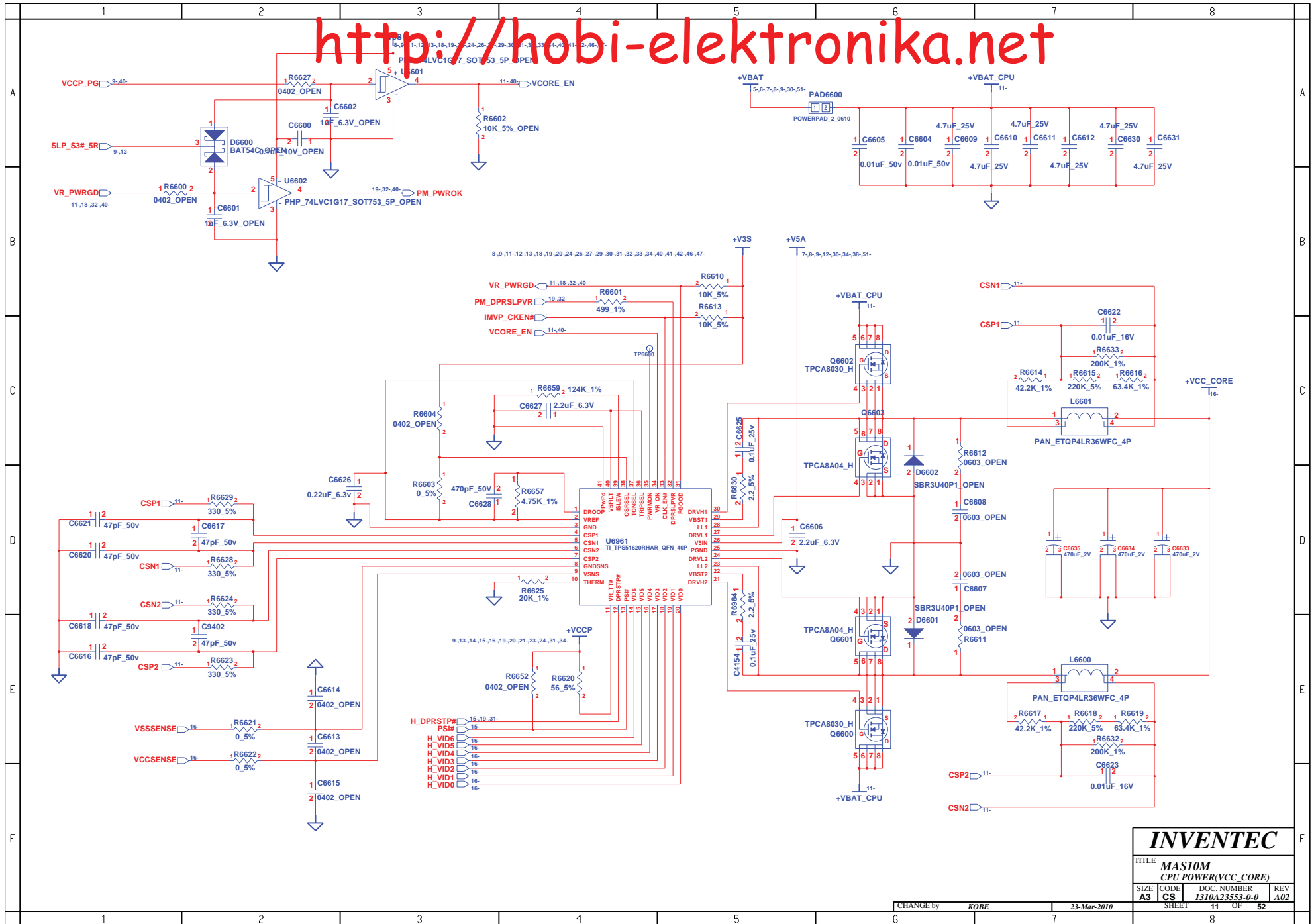
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INVENTEC			
TITLE MAS10M			
SYSTEM POWER(+VCCP/+V1.5S)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
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KOE			
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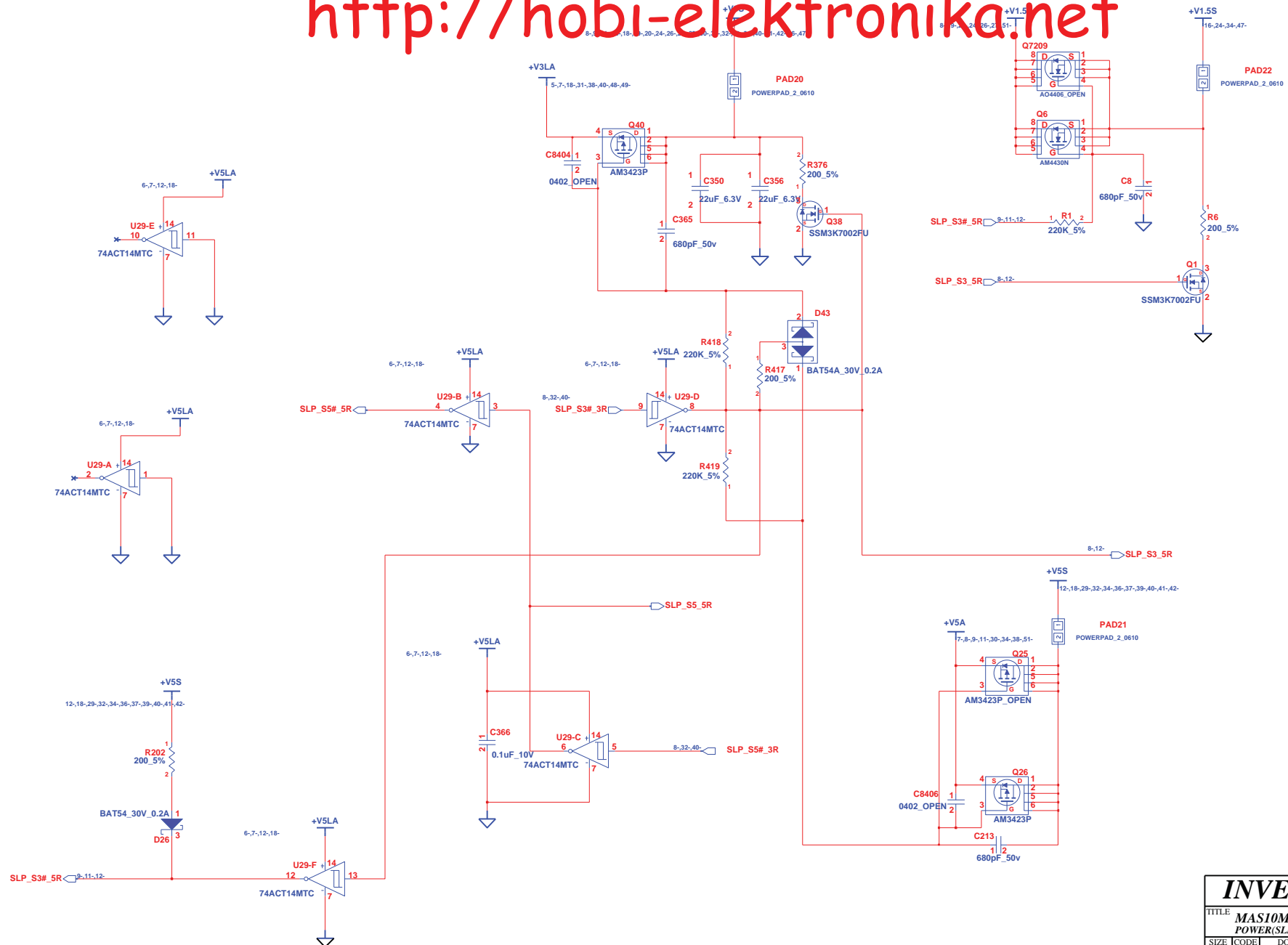
INVENTEC

TITLE		
MAS10M		
CPU POWER(VCC_CORE)		
SIZE	CODE	DOC. NUMBER
A3	CS	1310A23553-0-0
REV		
A02		

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INVENTEC

TITLE
**MAS10M
POWER(SLEEP)**

SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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FSA	FSB	FSC	FSB CLOCK FREQUENCY	HOST CLOCK FREQUENCY
1	1	0	667	166
0	1	0	800	200
0	0	0	1066	266

*CLKREQ# pin controls SRC Table.

CR#_A	Byte5: bit6 =0(PWD)	Byte5: bit6 =1	CR#_B	Byte5: bit4 =0(PWD)	Byte5: bit4 =1
	SRC0	SRC2		SRC1	SRC4
	Byte5: bit7=0, disable CR#_A; 1,enable CR#_A			Byte5: bit5=0, disable CR#_B; 1,enable CR#_B	

CR#_C	Byte5: bit2 =0(PWD)	Byte5: bit2 =1	CR#_D	Byte5: bit0 =0(PWD)	Byte5: bit0 =1
	SRC0	SRC2		SRC1	SRC4
	Byte5: bit3=0, disable CR#_C; 1,enable CR#_C			Byte5: bit1=0, disable CR#_D; 1,enable CR#_D	

CR#_E	Byte6: bit7=0, disable CR#_E; 1,enable CR#_E SRC6
CR#_F	Byte6: bit6=0, disable CR#_F; 1,enable CR#_F SRC8
CR#_G	Byte6: bit5=0, disable CR#_G; 1,enable CR#_G SRC9
CR#_H	Byte6: bit4=0, disable CR#_H; 1,enable CR#_H SRC10

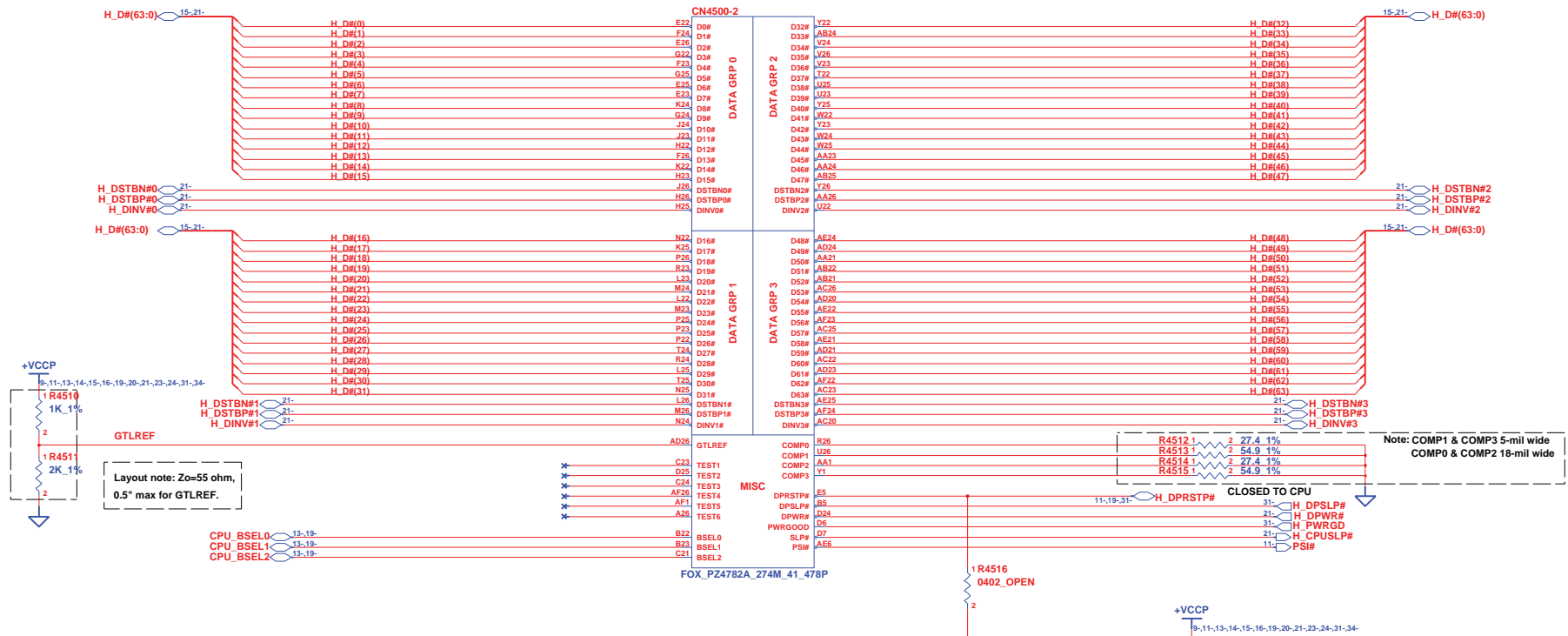
INVENTEC			
TITLE MAS10M CLOCK GENERATOR			
SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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The schematic diagram illustrates the electrical connections for the MAS10M PENRYN-1 board. It shows the following components and their connections:

- CPU:** The central processing unit, connected to the GMCH and ICH9.
- GMCH:** Graphics Memory Controller Hub, connected to the CPU.
- ICH9:** I/O Controller Hub, connected to the CPU and various peripheral components.
- Power and Ground:** Connections for +VCCP and ground, including pull-up and pull-down resistors.
- Signal Lines:** Address (H_A#), Data (H_D#), Control (H_C#), and I/O signals (H_I#).
- Resistors:** Various resistors are used for pull-up and pull-down, including 1R4500, 1R4501, 1R4502, 1R4503, 1R4504, 1R4505, 1R4506, 1R4507, 1R4508, 1R4509, 1R4510, 1R4511, 1R4512, 1R4513, 1R4514, 1R4515, 1R4516, 1R4517, 1R4518, 1R4519, 1R4520, 1R4521, 1R4522, 1R4523, 1R4524, 1R4525, 1R4526, 1R4527, 1R4528, 1R4529, 1R4530, 1R4531, 1R4532, 1R4533, 1R4534, 1R4535, 1R4536, 1R4537, 1R4538, 1R4539, 1R4540, 1R4541, 1R4542, 1R4543, 1R4544, 1R4545, 1R4546, 1R4547, 1R4548, 1R4549, 1R4550, 1R4551, 1R4552, 1R4553, 1R4554, 1R4555, 1R4556, 1R4557, 1R4558, 1R4559, 1R4560, 1R4561, 1R4562, 1R4563, 1R4564, 1R4565, 1R4566, 1R4567, 1R4568, 1R4569, 1R4570, 1R4571, 1R4572, 1R4573, 1R4574, 1R4575, 1R4576, 1R4577, 1R4578, 1R4579, 1R4580, 1R4581, 1R4582, 1R4583, 1R4584, 1R4585, 1R4586, 1R4587, 1R4588, 1R4589, 1R4590, 1R4591, 1R4592, 1R4593, 1R4594, 1R4595, 1R4596, 1R4597, 1R4598, 1R4599, 1R4600, 1R4601, 1R4602, 1R4603, 1R4604, 1R4605, 1R4606, 1R4607, 1R4608, 1R4609, 1R4610, 1R4611, 1R4612, 1R4613, 1R4614, 1R4615, 1R4616, 1R4617, 1R4618, 1R4619, 1R4620, 1R4621, 1R4622, 1R4623, 1R4624, 1R4625, 1R4626, 1R4627, 1R4628, 1R4629, 1R4630, 1R4631, 1R4632, 1R4633, 1R4634, 1R4635, 1R4636, 1R4637, 1R4638, 1R4639, 1R4640, 1R4641, 1R4642, 1R4643, 1R4644, 1R4645, 1R4646, 1R4647, 1R4648, 1R4649, 1R4650, 1R4651, 1R4652, 1R4653, 1R4654, 1R4655, 1R4656, 1R4657, 1R4658, 1R4659, 1R4660, 1R4661, 1R4662, 1R4663, 1R4664, 1R4665, 1R4666, 1R4667, 1R4668, 1R4669, 1R4670, 1R4671, 1R4672, 1R4673, 1R4674, 1R4675, 1R4676, 1R4677, 1R4678, 1R4679, 1R4680, 1R4681, 1R4682, 1R4683, 1R4684, 1R4685, 1R4686, 1R4687, 1R4688, 1R4689, 1R4690, 1R4691, 1R4692, 1R4693, 1R4694, 1R4695, 1R4696, 1R4697, 1R4698, 1R4699, 1R4700, 1R4701, 1R4702, 1R4703, 1R4704, 1R4705, 1R4706, 1R4707, 1R4708, 1R4709, 1R4710, 1R4711, 1R4712, 1R4713, 1R4714, 1R4715, 1R4716, 1R4717, 1R4718, 1R4719, 1R4720, 1R4721, 1R4722, 1R4723, 1R4724, 1R4725, 1R4726, 1R4727, 1R4728, 1R4729, 1R4730, 1R4731, 1R4732, 1R4733, 1R4734, 1R4735, 1R4736, 1R4737, 1R4738, 1R4739, 1R4740, 1R4741, 1R4742, 1R4743, 1R4744, 1R4745, 1R4746, 1R4747, 1R4748, 1R4749, 1R4750, 1R4751, 1R4752, 1R4753, 1R4754, 1R4755, 1R4756, 1R4757, 1R4758, 1R4759, 1R4760, 1R4761, 1R4762, 1R4763, 1R4764, 1R4765, 1R4766, 1R4767, 1R4768, 1R4769, 1R4770, 1R4771, 1R4772, 1R4773, 1R4774, 1R4775, 1R4776, 1R4777, 1R4778, 1R4779, 1R4780, 1R4781, 1R4782, 1R4783, 1R4784, 1R4785, 1R4786, 1R4787, 1R4788, 1R4789, 1R4790, 1R4791, 1R4792, 1R4793, 1R4794, 1R4795, 1R4796, 1R4797, 1R4798, 1R4799, 1R4800, 1R4801, 1R4802, 1R4803, 1R4804, 1R4805, 1R4806, 1R4807, 1R4808, 1R4809, 1R4810, 1R4811, 1R4812, 1R4813, 1R4814, 1R4815, 1R4816, 1R4817, 1R4818, 1R4819, 1R4820, 1R4821, 1R4822, 1R4823, 1R4824, 1R4825, 1R4826, 1R4827, 1R4828, 1R4829, 1R4830, 1R4831, 1R4832, 1R4833, 1R4834, 1R4835, 1R4836, 1R4837, 1R4838, 1R4839, 1R4840, 1R4841, 1R4842, 1R4843, 1R4844, 1R4845, 1R4846, 1R4847, 1R4848, 1R4849, 1R4850, 1R4851, 1R4852, 1R4853, 1R4854, 1R4855, 1R4856, 1R4857, 1R4858, 1R4859, 1R4860, 1R4861, 1R4862, 1R4863, 1R4864, 1R4865, 1R4866, 1R4867, 1R4868, 1R4869, 1R4870, 1R4871, 1R4872, 1R4873, 1R4874, 1R4875, 1R4876, 1R4877, 1R4878, 1R4879, 1R4880, 1R4881, 1R4882, 1R4883, 1R4884, 1R4885, 1R4886, 1R4887, 1R4888, 1R4889, 1R4890, 1R4891, 1R4892, 1R4893, 1R4894, 1R4895, 1R4896, 1R4897, 1R4898, 1R4899, 1R4900, 1R4901, 1R4902, 1R4903, 1R4904, 1R4905, 1R4906, 1R4907, 1R4908, 1R4909, 1R4910, 1R4911, 1R4912, 1R4913, 1R4914, 1R4915, 1R4916, 1R4917, 1R4918, 1R4919, 1R4920, 1R4921, 1R4922, 1R4923, 1R4924, 1R4925, 1R4926, 1R4927, 1R4928, 1R4929, 1R4930, 1R4931, 1R4932, 1R4933, 1R4934, 1R4935, 1R4936, 1R4937, 1R4938, 1R4939, 1R4940, 1R4941, 1R4942, 1R4943, 1R4944, 1R4945, 1R4946, 1R4947, 1R4948, 1R4949, 1R4950, 1R4951, 1R4952, 1R4953, 1R4954, 1R4955, 1R4956, 1R4957, 1R4958, 1R4959, 1R4960, 1R4961, 1R4962, 1R4963, 1R4964, 1R4965, 1R4966, 1R4967, 1R4968, 1R49

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INVENTEC

TITLE
**MAS10M
PENRYN-2**

SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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Pinout Table for CN4500-3:

Pin	Function	Pin	Function
A7	VCC001	AB20	VCC088
A9	VCC002	AB7	VCC069
A10	VCC003	AC7	VCC070
A12	VCC004	AC9	VCC071
A13	VCC005	AC12	VCC072
A15	VCC006	AC13	VCC073
A17	VCC007	AC15	VCC074
A18	VCC008	AC17	VCC075
A20	VCC009	AC18	VCC076
B7	VCC010	AD7	VCC077
B9	VCC011	AD9	VCC078
B10	VCC012	AD10	VCC079
B12	VCC013	AD12	VCC080
B14	VCC014	AD14	VCC081
B15	VCC015	AD15	VCC082
B17	VCC016	AD17	VCC083
B18	VCC017	AD18	VCC084
B20	VCC018	AE9	VCC085
C2	VCC019	AE10	VCC086
C10	VCC020	AE12	VCC087
C12	VCC021	AE13	VCC088
C13	VCC022	AE15	VCC089
C15	VCC023	AE17	VCC090
C17	VCC024	AE18	VCC091
C18	VCC025	AE20	VCC092
D9	VCC026	AF9	VCC093
D10	VCC027	AF10	VCC094
D12	VCC028	AF12	VCC095
D14	VCC029	AF14	VCC096
D15	VCC030	AF15	VCC097
D17	VCC031	AF17	VCC098
D18	VCC032	AF18	VCC099
E7	VCC033	AF20	VCC100
E9	VCC034	G21	VCC101
E10	VCC035	V6	VCC102
E12	VCC036	J6	VCC103
E13	VCC037	K6	VCC104
E15	VCC038	M6	VCC105
E17	VCC039	J21	VCC106
E18	VCC040	K21	VCC107
E20	VCC041	M21	VCC108
F7	VCC042	N21	VCC109
F9	VCC043	N6	VCC110
F10	VCC044	R21	VCC111
F12	VCC045	R6	VCC112
F14	VCC046	T21	VCC113
F15	VCC047	T6	VCC114
F17	VCC048	V21	VCC115
F18	VCC049	W21	VCC116
F20	VCC050		
AA7	VCC051		
AA9	VCC052		
AA10	VCC053		
AA12	VCC054		
AA13	VCC055		
AA15	VCC056		
AA17	VCC057		
AA18	VCC058		
AA20	VCC059		
AB9	VCC060		
AC10	VCC061		
AB10	VCC062		
AB12	VCC063		
AB14	VCC064		
AB15	VCC065		
AB17	VCC066		
AB18	VCC067		

Layout Notes:

- PLACE THESE INSIDE SOCKET CAVITY ON L8 (NORTH SIDE SECONDARY)
- LAYOUT NOTE: PLACE C2461 NEAR PIN B26
- LAYOUT NOTE: ROUTE VCCSENSE AND VSSSENSE TRACE AT 24.7 OHM WITH 50 MIL SPACING PLACE PU AND PD WITHIN 1 INCH OF CPU

Component Values:

- Capacitors: C6651-C6667 (10uF_6.3V), C4503-C4508 (0.1uF_10V), C4501 (10uF_6.3V), C4502 (0.01uF_16V)
- Resistors: R4517 (100_1%), R4518 (>100_1%)

Part Numbers:

- IC: CN4500-3
- IC: FOX_PZ4782A_274M_41_478P

Table:

CODE	SIZE	DOC. NUMBER	REV
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CN4500-4

A4	VSS001	VSS002	P8
A8	VSS002	VSS003	P21
A11	VSS003	VSS004	P24
A14	VSS004	VSS005	R2
A15	VSS005	VSS006	R5
A19	VSS006	VSS007	R22
A23	VSS007	VSS008	R25
AF2	VSS008	VSS009	T1
B6	VSS009	VSS010	T4
B8	VSS010	VSS011	T23
B11	VSS011	VSS012	T26
B13	VSS012	VSS013	U3
B16	VSS013	VSS014	U6
B19	VSS014	VSS015	U21
B21	VSS015	VSS016	U24
B24	VSS016	VSS017	V2
C5	VSS017	VSS018	V5
C8	VSS018	VSS019	V22
C11	VSS019	VSS020	V25
C14	VSS020	VSS021	W1
C16	VSS021	VSS022	W4
C19	VSS022	VSS023	W23
C2	VSS023	VSS024	W26
C22	VSS024	VSS025	Y3
C25	VSS025	VSS026	Y6
D1	VSS026	VSS027	Y21
D4	VSS027	VSS028	Y24
D8	VSS028	VSS029	AA2
D11	VSS029	VSS030	AA5
D12	VSS030	VSS031	AA8
D16	VSS031	VSS032	AA11
D19	VSS032	VSS033	AA14
D23	VSS033	VSS034	AA16
D26	VSS034	VSS035	AA19
E3	VSS035	VSS036	AA22
E6	VSS036	VSS037	AA25
E8	VSS037	VSS038	AB1
E11	VSS038	VSS039	AB4
E14	VSS039	VSS040	AB8
E16	VSS040	VSS041	AB11
E19	VSS041	VSS042	AB13
E21	VSS042	VSS043	AB16
E24	VSS043	VSS044	AB18
F5	VSS044	VSS045	AB23
F8	VSS045	VSS046	AB26
F11	VSS046	VSS047	AC3
F13	VSS047	VSS048	AC6
F16	VSS048	VSS049	AC8
F19	VSS049	VSS050	AC11
F2	VSS050	VSS051	AC14
F22	VSS051	VSS052	AC16
F25	VSS052	VSS053	AC19
G4	VSS053	VSS054	AC21
G11	VSS054	VSS055	AC24
G23	VSS055	VSS056	AD2
G26	VSS056	VSS057	AD5
H3	VSS057	VSS058	AD8
H6	VSS058	VSS059	AD11
H21	VSS059	VSS060	AD13
H24	VSS060	VSS061	AD16
J2	VSS061	VSS062	AD19
J5	VSS062	VSS063	AD22
J22	VSS063	VSS064	AD25
J25	VSS064	VSS065	AE1
K1	VSS065	VSS066	AE4
K4	VSS066	VSS067	AE8
K23	VSS067	VSS068	AE11
K26	VSS068	VSS069	AE14
L3	VSS069	VSS070	AE16
L6	VSS070	VSS071	AE19
L21	VSS071	VSS072	AE23
L24	VSS072	VSS073	AE26
M2	VSS073	VSS074	A2
M5	VSS074	VSS075	AF6
M22	VSS075	VSS076	AF8
M25	VSS076	VSS077	AF11
N1	VSS077	VSS078	AF13
N4	VSS078	VSS079	AF16
N23	VSS079	VSS080	AF19
N26	VSS080	VSS081	AF21
F1	VSS081		AF25

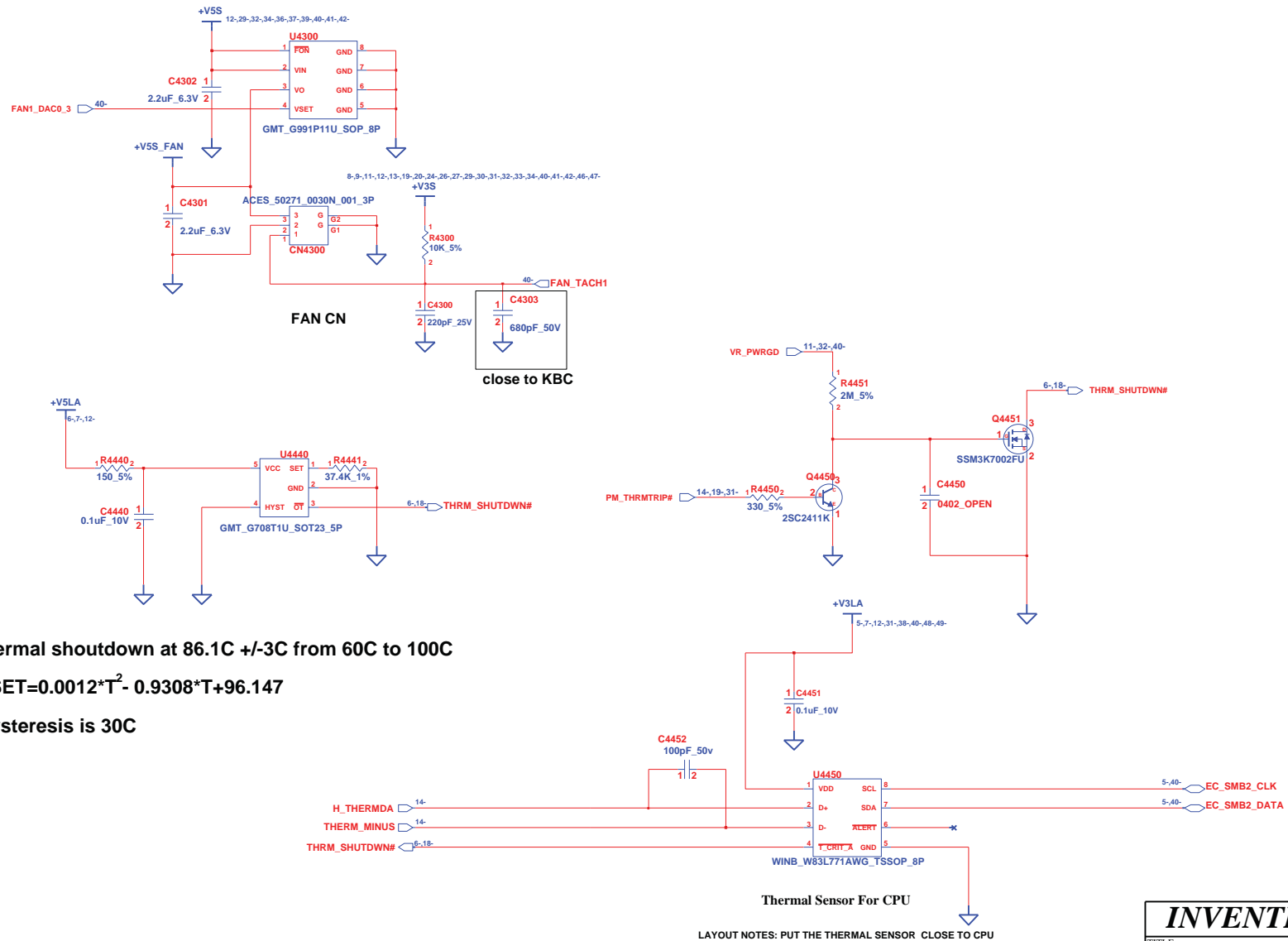
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INVENTEC

TITLE			
MAS10M			
PENRYN-4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
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TITLE: MAS10M THERMAL&FAN CONTROLLER			
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8-9,11-13,16-19,24-25,27-29,30,31-32,33-34,40,41-43,46,47

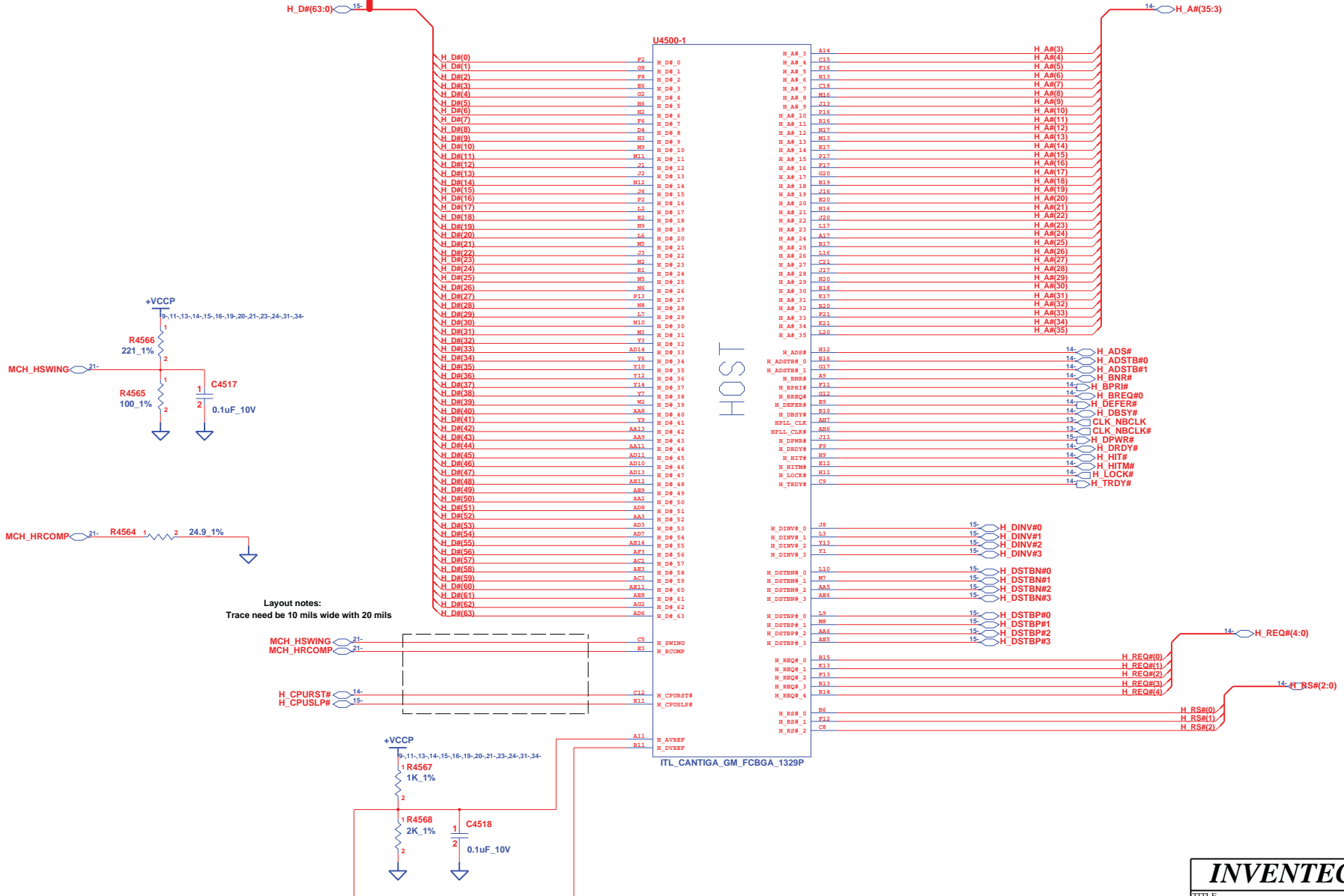


TITLE	<i>MAS10M</i> <i>CANTIGA-2</i>
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SIZE A3	CODE CS	DOC. NUMBER <i>1310A23553-0-0</i>	REV A02
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MA_DATA(63:0)

MB_DATA(63:0)

U4500-4

U4500-5

DDR SYSTEM MEMORY A

DDR SYSTEM MEMORY B

ITL_CANTIGA_GM_FCBGA_1329P

ITL_CANTIGA_GM_FCBGA_1329P

INVENTEC

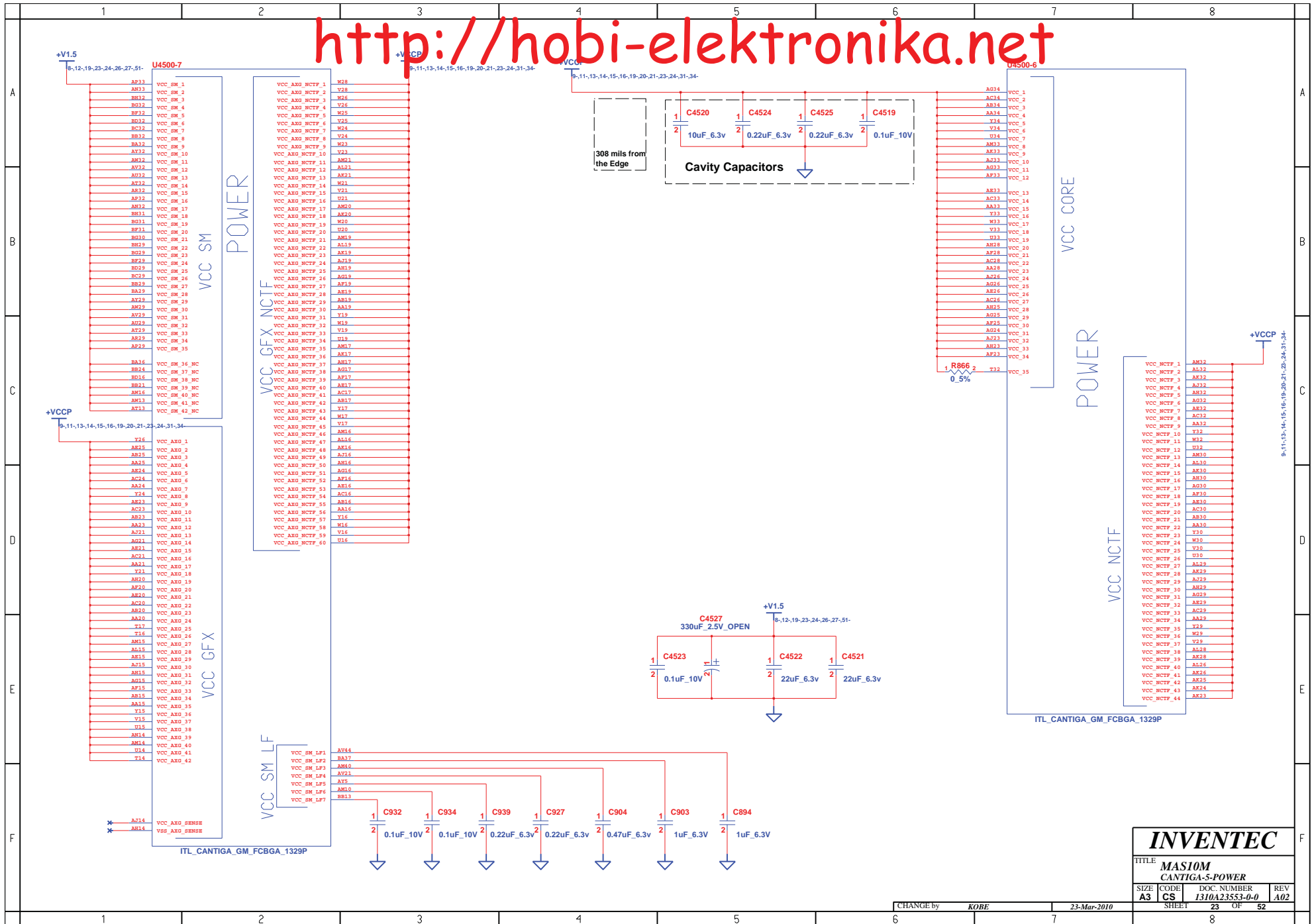
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CANTIGA-4-DDR2

SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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POWER

CRT

PLL

A PEG A LVDS PLL

A SM

A CK

HDA TV

HDA TV/CRT

DMI

LVDS

VTT

ITL_CANTIGA_GM_FCBGA_1329P

INVENTEC

MAS10M CANTIGA-6

SIZE A3 CODE CS DOC. NUMBER I310A23553-0-0 REV A02

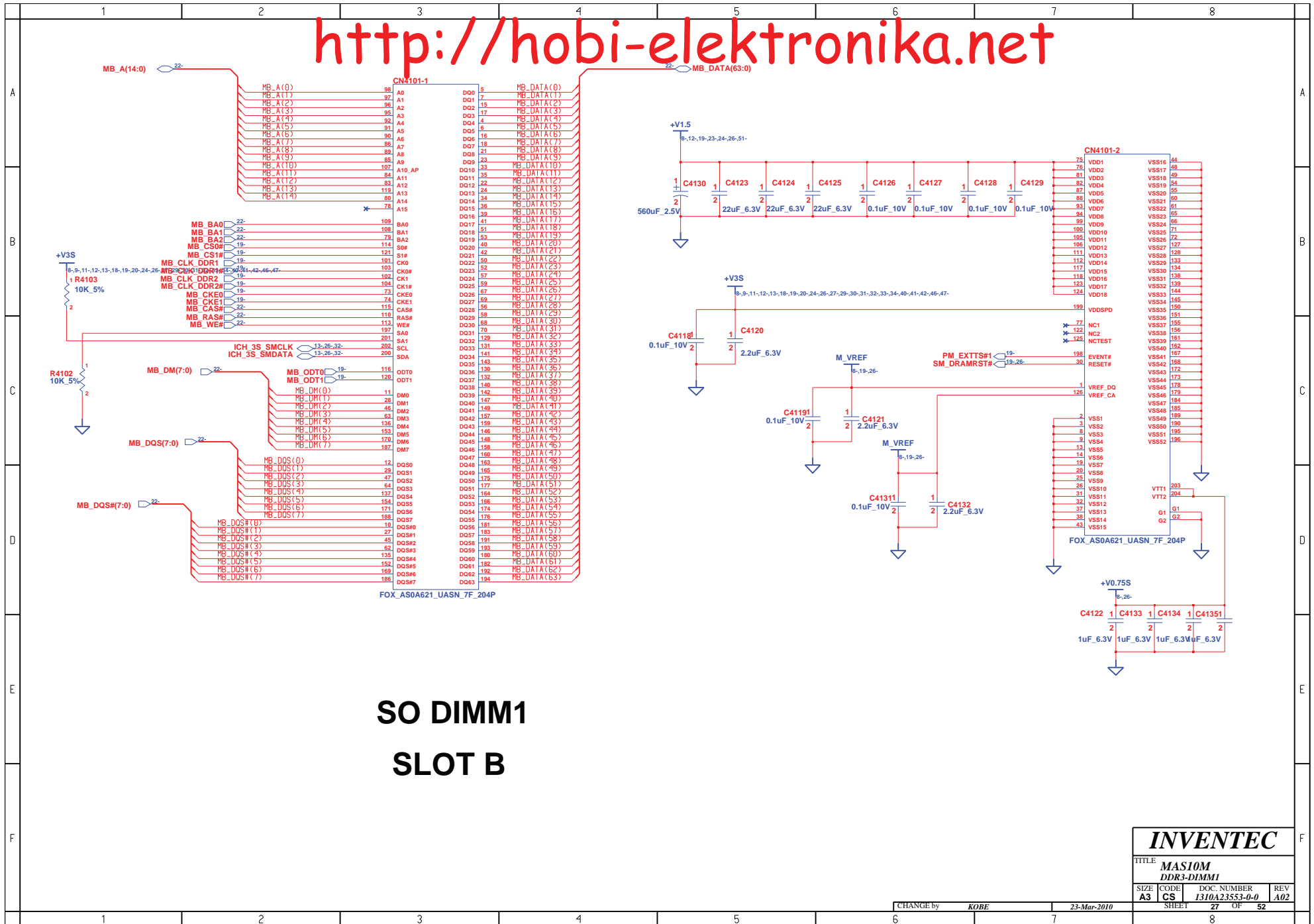
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INVENTEC			
TITLE MAS10M BLANK			
SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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CHANGE by **KOBE** 27-Sep-2003

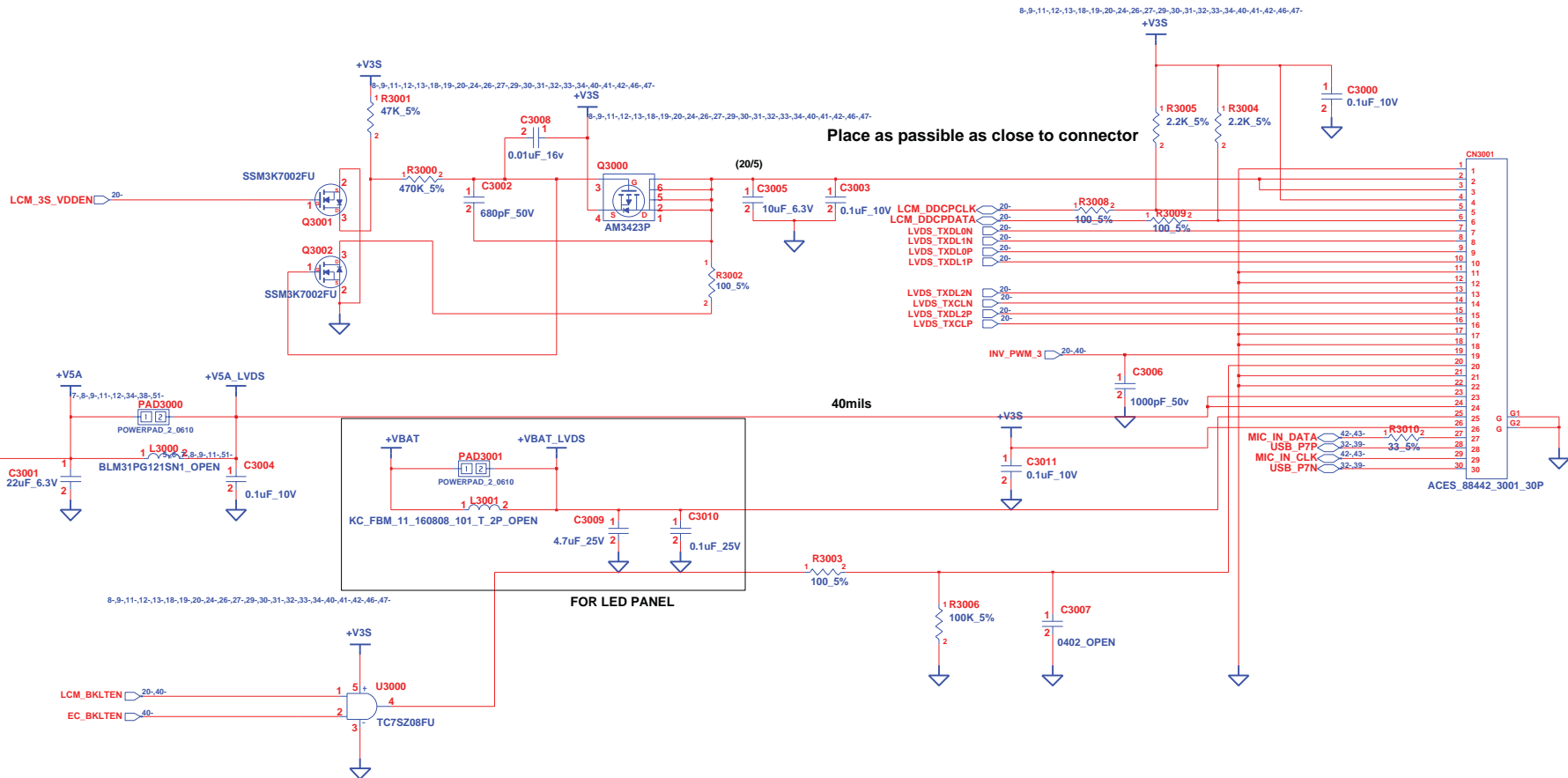
The diagram illustrates the internal wiring of the MAS10M CRT connector. It features three main signal channels: CRT_R, CRT_G, and CRT_B, each with associated red and blue traces. The power supply section includes +VSS and +V3S planes, with various decoupling capacitors (C3051, C3052, C3053, C3054, C3055, C3056) and resistors (R3051, R3052, R3053, R3054, R3055, R3056, R3057, R3058, R3060, R3063, R3064, R3065, R3066, R3067, R3068, R3069, R3070, R3071, R3072, R3073, R3074, R3075, R3076, R3077, R3078, R3079, R3080, R3081, R3082, R3083, R3084, R3085, R3086, R3087, R3088, R3089, R3090, R3091, R3092, R3093, R3094, R3095, R3096, R3097, R3098, R3099, R3100, R3101, R3102, R3103, R3104, R3105, R3106, R3107, R3108, R3109, R3110, R3111, R3112, R3113, R3114, R3115, R3116, R3117, R3118, R3119, R3120, R3121, R3122, R3123, R3124, R3125, R3126, R3127, R3128, R3129, R3130, R3131, R3132, R3133, R3134, R3135, R3136, R3137, R3138, R3139, R3140, R3141, R3142, R3143, R3144, R3145, R3146, R3147, R3148, R3149, R3150, R3151, R3152, R3153, R3154, R3155, R3156, R3157, R3158, R3159, R3160, R3161, R3162, R3163, R3164, R3165, R3166, R3167, R3168, R3169, R3170, R3171, R3172, R3173, R3174, R3175, R3176, R3177, R3178, R3179, R3180, R3181, R3182, R3183, R3184, R3185, R3186, R3187, R3188, R3189, R3190, R3191, R3192, R3193, R3194, R3195, R3196, R3197, R3198, R3199, R3200, R3201, R3202, R3203, R3204, R3205, R3206, R3207, R3208, R3209, R3210, R3211, R3212, R3213, R3214, R3215, R3216, R3217, R3218, R3219, R3220, R3221, R3222, R3223, R3224, R3225, R3226, R3227, R3228, R3229, R3230, R3231, R3232, R3233, R3234, R3235, R3236, R3237, R3238, R3239, R3240, R3241, R3242, R3243, R3244, R3245, R3246, R3247, R3248, R3249, R3250, R3251, R3252, R3253, R3254, R3255, R3256, R3257, R3258, R3259, R3260, R3261, R3262, R3263, R3264, R3265, R3266, R3267, R3268, R3269, R3270, R3271, R3272, R3273, R3274, R3275, R3276, R3277, R3278, R3279, R3280, R3281, R3282, R3283, R3284, R3285, R3286, R3287, R3288, R3289, R3290, R3291, R3292, R3293, R3294, R3295, R3296, R3297, R3298, R3299, R3300, R3301, R3302, R3303, R3304, R3305, R3306, R3307, R3308, R3309, R3310, R3311, R3312, R3313, R3314, R3315, R3316, R3317, R3318, R3319, R3320, R3321, R3322, R3323, R3324, R3325, R3326, R3327, R3328, R3329, R3330, R3331, R3332, R3333, R3334, R3335, R3336, R3337, R3338, R3339, R3340, R3341, R3342, R3343, R3344, R3345, R3346, R3347, R3348, R3349, R3350, R3351, R3352, R3353, R3354, R3355, R3356, R3357, R3358, R3359, R3360, R3361, R3362, R3363, R3364, R3365, R3366, R3367, R3368, R3369, R3370, R3371, R3372, R3373, R3374, R3375, R3376, R3377, R3378, R3379, R3380, R3381, R3382, R3383, R3384, R3385, R3386, R3387, R3388, R3389, R3390, R3391, R3392, R3393, R3394, R3395, R3396, R3397, R3398, R3399, R3400, R3401, R3402, R3403, R3404, R3405, R3406, R3407, R3408, R3409, R3410, R3411, R3412, R3413, R3414, R3415, R3416, R3417, R3418, R3419, R3420, R3421, R3422, R3423, R3424, R3425, R3426, R3427, R3428, R3429, R3430, R3431, R3432, R3433, R3434, R3435, R3436, R3437, R3438, R3439, R3440, R3441, R3442, R3443, R3444, R3445, R3446, R3447, R3448, R3449, R3450, R3451, R3452, R3453, R3454, R3455, R3456, R3457, R3458, R3459, R3460, R3461, R3462, R3463, R3464, R3465, R3466, R3467, R3468, R3469, R3470, R3471, R3472, R3473, R3474, R3475, R3476, R3477, R3478, R3479, R3480, R3481, R3482, R3483, R3484, R3485, R3486, R3487, R3488, R3489, R3490, R3491, R3492, R3493, R3494, R3495, R3496, R3497, R3498, R3499, R3500, R3501, R3502, R3503, R3504, R3505, R3506, R3507, R3508, R3509, R3510, R3511, R3512, R3513, R3514, R3515, R3516, R3517, R3518, R3519, R3520, R3521, R3522, R3523, R3524, R3525, R3526, R3527, R3528, R3529, R3530, R3531, R3532, R3533, R3534, R3535, R3536, R3537, R3538, R3539, R3540, R3541, R3542, R3543, R3544, R3545, R3546, R3547, R3548, R3549, R3550, R3551, R3552, R3553, R3554, R3555, R3556, R3557, R3558, R3559, R3560, R3561, R3562, R3563, R3564, R3565, R3566, R3567, R3568, R3569, R3570, R3571, R3572, R3573, R3574, R3575, R3576, R3577, R3578, R3579, R3580, R3581, R3582, R3583, R3584, R3585, R3586, R3587, R3588, R3589, R3590, R3591, R3592, R3593, R3594, R3595, R3596, R3597, R3598, R3599, R3600, R3601, R3602, R3603, R3604, R3605, R3606, R3607, R3608, R3609, R3610, R3611, R3612, R3613, R3614, R3615, R3616, R3617, R3618, R3619, R3620, R3621, R3622, R3623, R3624, R3625, R3626, R3627, R3628, R3629, R3630, R3631, R3632, R3633, R3634, R3635, R3636, R3637, R3638, R3639, R3640, R3641, R3642, R3643, R3644, R3645, R3646, R3647, R3648, R3649, R3650, R3651, R3652, R3653, R3654, R3655, R3656, R3657, R3658, R3659, R3660, R3661, R3662, R3663, R3664, R3665, R3666, R3667, R3668, R3669, R3670, R3671, R3672, R3673, R3674, R3675, R3676, R3677, R3678, R3679, R3680, R3681, R3682, R3683, R3684, R3685, R3686, R3687, R3688, R3689, R3690, R3691, R3692, R3693, R3694, R3695, R3696, R3697, R3698, R3699, R3700, R3701, R3702, R3703, R3704, R3705, R3706, R3707, R3708, R3709, R371

TITLE			
MAS10M CRT CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
SHEET		29	OF 52

CHANGE by	<i>KOBE</i>	23-Mar-2010
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CS	1310A23553-0-0		
SHEET	29	OF	52

<http://hobi-elektronika.net>



INVENTEC

TITLE
**MAS10M
LCD CONN**

SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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CHANGE by **KOBE** 23-Mar-2010

SHEET 30 OF 52

http://hobi-elektronika.net

TITLE			
MAS10M ICH9M-1			
SIZE	CODE	DOC. NUMBER	REVISION
A3	CS	1310A23553-0-0	A0
SHEET		31	OF 52

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U4501-2 Pin Connections:

- REQ#:** REQ0# (F1) to PCI_3S_REQ#(0), REQ1# (G4) to PCI_3S_REQ#(1), REQ2# (F12) to PCI_3S_REQ#(2), REQ3# (E6) to PCI_3S_REQ#(3).
- GPIO#:** GPIO0# (A7) to PCI_3S_REQ#(1), GPIO1# (F13) to PCI_3S_REQ#(2), GPIO2# (F12) to PCI_3S_REQ#(2), GPIO3# (E6) to PCI_3S_REQ#(3), GPIO4# (F6) to PCI_3S_REQ#(3).
- BE#:** BE0# (D8) to 0402_OPEN, BE1# (B4) to 0402_OPEN, BE2# (D6) to 0402_OPEN, BE3# (A5) to 0402_OPEN.
- IRDY#:** IRDY# (D3) to PCI_3S_IRDY#.
- DEVSEL#:** DEVSEL# (C8) to PCI_3S_DEVSEL#.
- PERR#:** PERR# (E4) to PCI_3S_PERR#.
- LOCK#:** LOCK# (J4) to PCI_3S_LOCK#.
- SERR#:** SERR# (C2) to PCI_3S_SERR#.
- STOP#:** STOP# (A4) to PCI_3S_STOP#.
- TRDY#:** TRDY# (F5) to PCI_3S_TRDY#.
- FRAME#:** FRAME# (D7) to PCI_3S_FRAME#.
- CLK_R_ICHPCI:** CLK_R_ICHPCI (G2) to CLK_R_ICHPCI.
- Interrupt I/F:** IRQA# (J4) to PCI_3S_INTA#, IRQB# (E4) to PCI_3S_INTB#, IRQC# (J6) to PCI_3S_INTC#, IRQD# (C4) to PCI_3S_INTD#.
- ICH#:** ICH# (A6) to PCI_3S_INTA#, ICH# (F2) to PCI_3S_INTB#, ICH# (G2) to PCI_3S_INTC#, ICH# (G2) to PCI_3S_INTD#.
- ICH_PROCHOT#:** ICH_PROCHOT# (G2) to ICH_PROCHOT#.
- PLTRST#:** PLTRST# (C14) to PLTRST#.
- PCICLK:** PCICLK (D4) to PLTRST#.
- PME#:** PME# (F2) to PLTRST#.

Other Components and Connections:

- U4503:** U4503 (5) to +V3A, U4503 (4) to BUF_PLT_RST#.
- TC7SZ08FU:** TC7SZ08FU (1) to +V3A, TC7SZ08FU (2) to +V3A, TC7SZ08FU (3) to +V3A, TC7SZ08FU (4) to BUF_PLT_RST#.
- Resistors:** R4651, R4652, R4653, R4654, R4655, R4656, R4657, R4658, R4659, R4660, R4661, R4662, R4663, R4664, R4665, R4666, R4667, R4668, R4669, R4670, R4671, R4672, R4673, R4674, R4675, R4676, R4677, R4678, R4679, R4680, R4681, R4682, R4683, R4684, R4685, R4686, R4687, R4688, R4689, R4690, R4691, R4692, R4693, R4694, R4695, R4696, R4697, R4698, R4699, R4700, R4701, R4702, R4703, R4704, R4705, R4706, R4707, R4708, R4709, R4710, R4711, R4712, R4713, R4714, R4715, R4716, R4717, R4718, R4719, R4720, R4721, R4722, R4723, R4724, R4725, R4726, R4727, R4728, R4729, R4730, R4731, R4732, R4733, R4734, R4735, R4736, R4737, R4738, R4739, R4740, R4741, R4742, R4743, R4744, R4745, R4746, R4747, R4748, R4749, R4750, R4751, R4752, R4753, R4754, R4755, R4756, R4757, R4758, R4759, R4760, R4761, R4762, R4763, R4764, R4765, R4766, R4767, R4768, R4769, R4770, R4771, R4772, R4773, R4774, R4775, R4776, R4777, R4778, R4779, R4780, R4781, R4782, R4783, R4784, R4785, R4786, R4787, R4788, R4789, R4790, R4791, R4792, R4793, R4794, R4795, R4796, R4797, R4798, R4799, R4800, R4801, R4802, R4803, R4804, R4805, R4806, R4807, R4808, R4809, R4810, R4811, R4812, R4813, R4814, R4815, R4816, R4817, R4818, R4819, R4820, R4821, R4822, R4823, R4824, R4825, R4826, R4827, R4828, R4829, R4830, R4831, R4832, R4833, R4834, R4835, R4836, R4837, R4838, R4839, R4840, R4841, R4842, R4843, R4844, R4845, R4846, R4847, R4848, R4849, R4850, R4851, R4852, R4853, R4854, R4855, R4856, R4857, R4858, R4859, R4860, R4861, R4862, R4863, R4864, R4865, R4866, R4867, R4868, R4869, R4870, R4871, R4872, R4873, R4874, R4875, R4876, R4877, R4878, R4879, R4880, R4881, R4882, R4883, R4884, R4885, R4886, R4887, R4888, R4889, R4890, R4891, R4892, R4893, R4894, R4895, R4896, R4897, R4898, R4899, R4900, R4901, R4902, R4903, R4904, R4905, R4906, R4907, R4908, R4909, R4910, R4911, R4912, R4913, R4914, R4915, R4916, R4917, R4918, R4919, R4920, R4921, R4922, R4923, R4924, R4925, R4926, R4927, R4928, R4929, R4930, R4931, R4932, R4933, R4934, R4935, R4936, R4937, R4938, R4939, R4940, R4941, R4942, R4943, R4944, R4945, R4946, R4947, R4948, R4949, R4950, R4951, R4952, R4953, R4954, R4955, R4956, R4957, R4958, R4959, R4960, R4961, R4962, R4963, R4964, R4965, R4966, R4967, R4968, R4969, R4970, R4971, R4972, R4973, R4974, R4975, R4976, R4977, R4978, R4979, R4980, R4981, R4982, R4983, R4984, R4985, R4986, R4987, R4988, R4989, R4990, R4991, R4992, R4993, R4994, R4995, R4996, R4997, R4998, R4999, R5000, R5001, R5002, R5003, R5004, R5005, R5006, R5007, R5008, R5009, R5010, R5011, R5012, R5013, R5014, R5015, R5016, R5017, R5018, R5019, R5020, R5021, R5022, R5023, R5024, R5025, R5026, R5027, R5028, R5029, R5030, R5031, R5032, R5033, R5034, R5035, R5036, R5037, R5038, R5039, R5040, R5041, R5042, R5043, R5044, R5045, R5046, R5047, R5048, R5049, R5050, R5051, R5052, R5053, R5054, R5055, R5056, R5057, R5058, R5059, R5060, R5061, R5062, R5063, R5064, R5065, R5066, R5067, R5068, R5069, R5070, R5071, R5072, R5073, R5074, R5075, R5076, R5077, R5078, R5079, R5080, R5081, R5082, R5083, R5084, R5085, R5086, R5087, R5088, R5089, R5090, R5091, R5092, R5093, R5094, R5095, R5096, R5097, R5098, R5099, R5100, R5101, R5102, R5103, R5104, R5105, R5106, R5107, R5108, R5109, R5110, R5111, R5112, R5113, R5114, R5115, R5116, R5117, R5118, R5119, R5120, R5121, R5122, R5123, R5124, R5125, R5126, R5127, R5128, R5129, R5130, R5131, R5132, R5133, R5134, R5135, R5136, R5137, R5138, R5139, R5140, R5141, R5142, R5143, R5144, R5145, R5146, R5147, R5148, R5149, R5150, R5151, R5152, R5153, R5154, R5155, R5156, R5157, R5158, R5159, R5

INVENTEC			
TITLE MAS10M ICH9M-4			
SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
SHEET		34	OF 52

<http://hobi-elektronika.net>

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B									B
C									C
D									D
E									E
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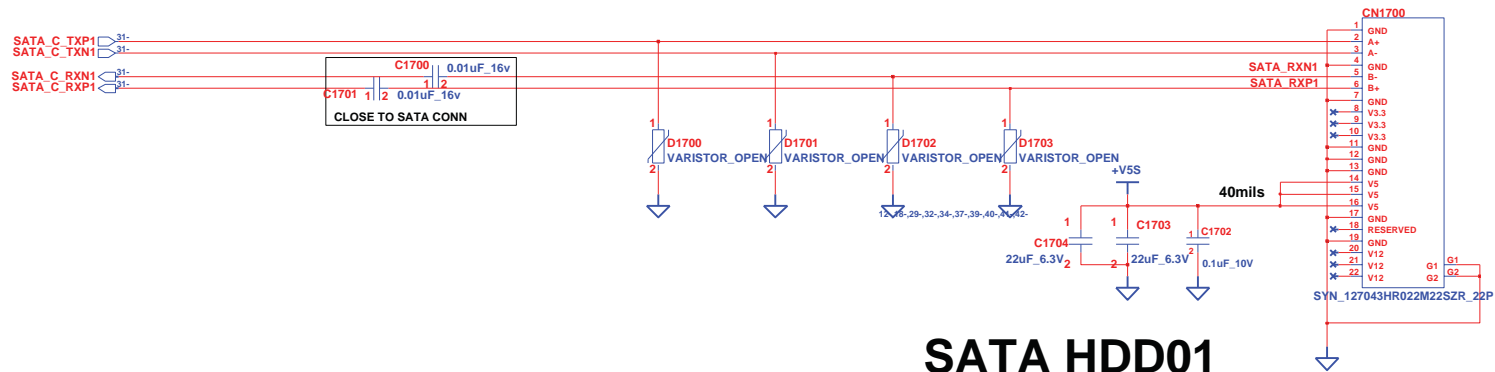
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AB24 VSS007 VSS113 K29
AB25 VSS008 VSS114 L13
AB4 VSS009 VSS115 L15
AB5 VSS010 VSS116 L2
AC17 VSS011 VSS117 L26
AC26 VSS012 VSS118 L27
AC27 VSS013 VSS119 L5
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AD17 VSS020 VSS126 M17
AD18 VSS021 VSS127 M23
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AE16 VSS033 VSS139 N27
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AE3 VSS035 VSS141 P12
AE20 VSS036 VSS142 P14
AE24 VSS037 VSS143 P15
AE3 VSS038 VSS144 P16
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AF16 VSS043 VSS149 P29
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AF24 VSS045 VSS151 P7
AH26 VSS046 VSS152 R11
AF28 VSS047 VSS153 R12
AF27 VSS048 VSS154 R13
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AHS VSS069 VSS175 AD23
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AJ14 VSS071 VSS177 U27
AJ17 VSS072 VSS178 U3
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C26 VSS082 VSS188 W27
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G8 VSS102 VSS_NCTF9 AJ28
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ITL_ICH9M_TSB_FCBGA_676P

CHANGE by KOBE 23-Mar-2010

TITLE		MAS10M	
SIZE		ICH9M-5	
A3	CS	DOC. NUMBER	REV
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SHEET		35	OF 52

<http://hobi-elektronika.net>

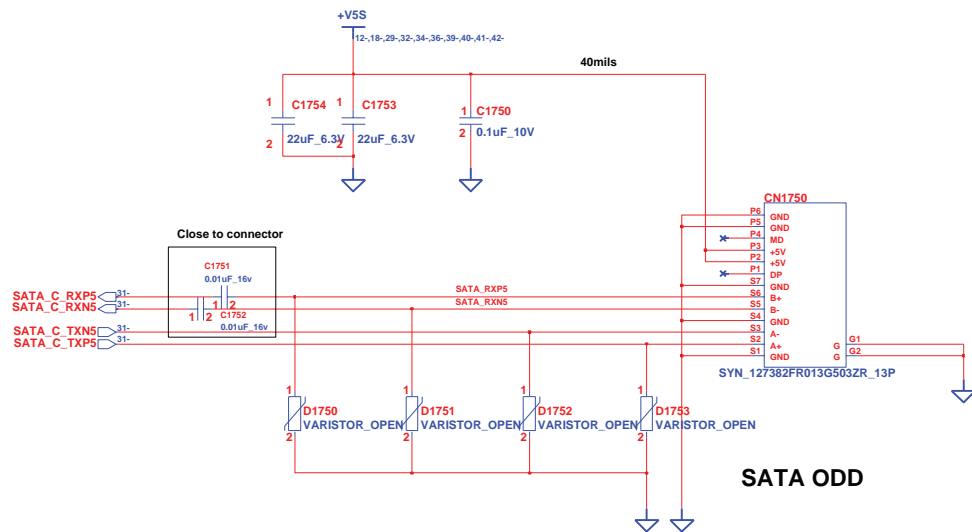


INVENTEC

TITLE			
MAS10M HDD CONN			
SIZE	CODE	DOC. NUMBER	REV
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SHEET		36	OF 52

CHANGE by KOBE 23-Mar-2010

<http://hobi-elektronika.net>



INVENTEC

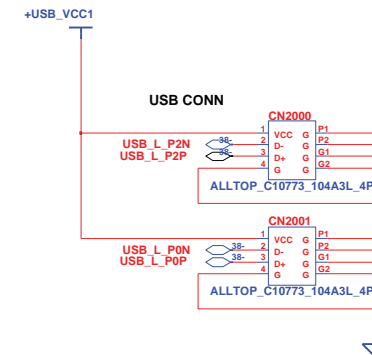
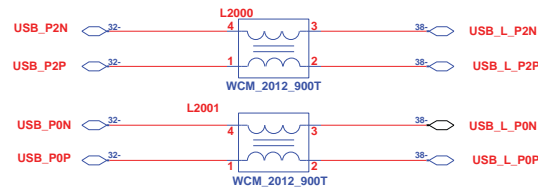
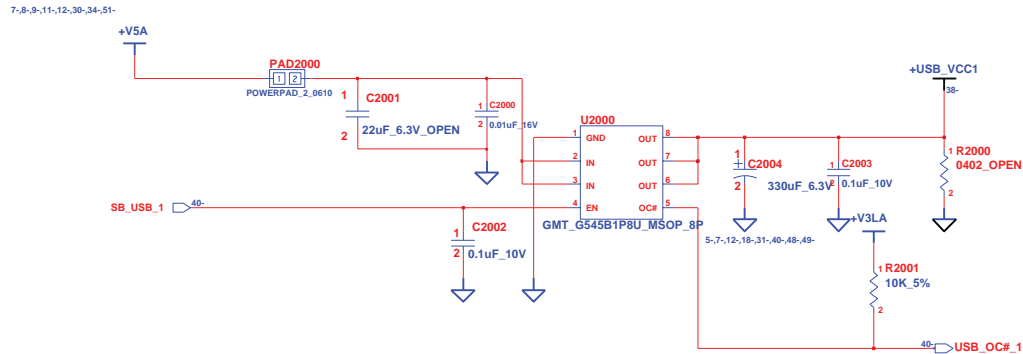
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SATA ODD**

SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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CHANGE by **KOBE** 23-Mar-2010

SHEET 37 OF 52

<http://hobi-elektronika.net>



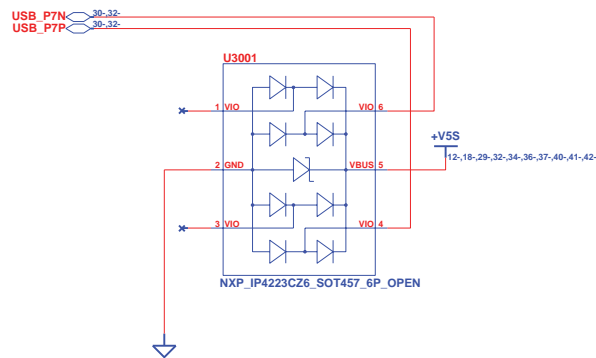
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TITLE			
MAS10M			
USB CONN/USB(DB)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23553-0-0	A02

CHANGE by KOBE 23-Mar-2010

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INVENTEC			
TITLE			
MAS10M			
Camera			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23553-0-0	A02
SHEET		39	OF 52

CHANGE by KOBE 23-Mar-2010

http://hobi-elektronika.net

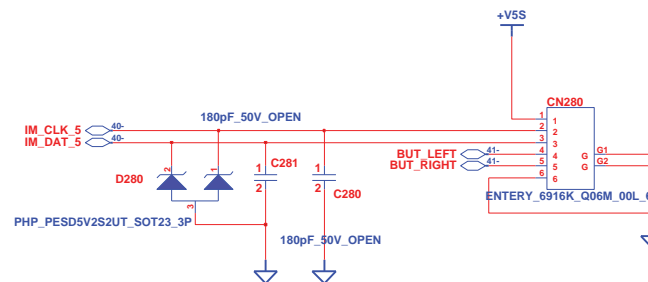
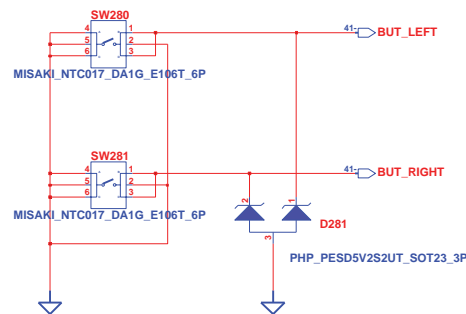
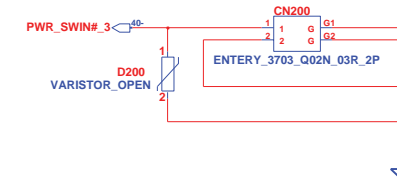
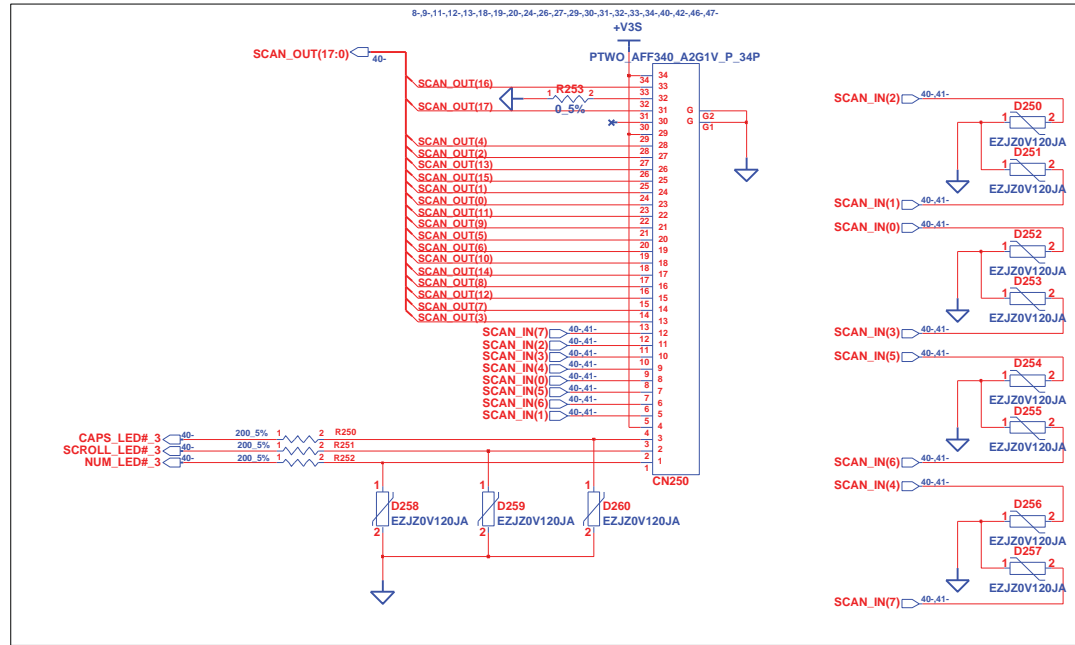
Component Table:

SM1	SM2	SM3
1.Battery	1.Charge	
	2.CPU thermal sensor	

Pin Header Details:

- U301:** WINB_W25Q080B_VSSIG_SOIC_8P
- U300:** WINB_NPCE781LA0DX_LQFP_128P
- U302:** BAT54_30V_0.2A
- U303:** R306 0.5%
- U304:** R307 100K 5%
- U305:** R308 100K 5%
- U306:** R309 100K 5%
- U307:** R310 33 5%
- U308:** R311 220 5%
- U309:** R312 220 5%
- U310:** R313 220 5%
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- U315:** R318 220 5%
- U316:** R319 220 5%
- U317:** R320 220 5%
- U318:** R321 100K 5%
- U319:** R322 10K 5%
- U320:** R323 4.7K 5%
- U321:** R324 10K 5%
- U322:** R325 10K 5%
- U323:** R326 10K 5%
- U324:** R327 1.8K 5%
- U325:** R328 1.8K 5%
- U326:** R329 1.8K 5%
- U327:** R330 1.8K 5%
- U328:** R331 0.5%
- U329:** R332 1.8K 5%
- U330:** R333 1.8K 5%
- U331:** R334 10K 5% OPEN
- U332:** R335 10K 5%
- U333:** R336 100K 5% OPEN
- U334:** R337 100K 5% OPEN
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- U470:** R473 0.5%
- U471:**

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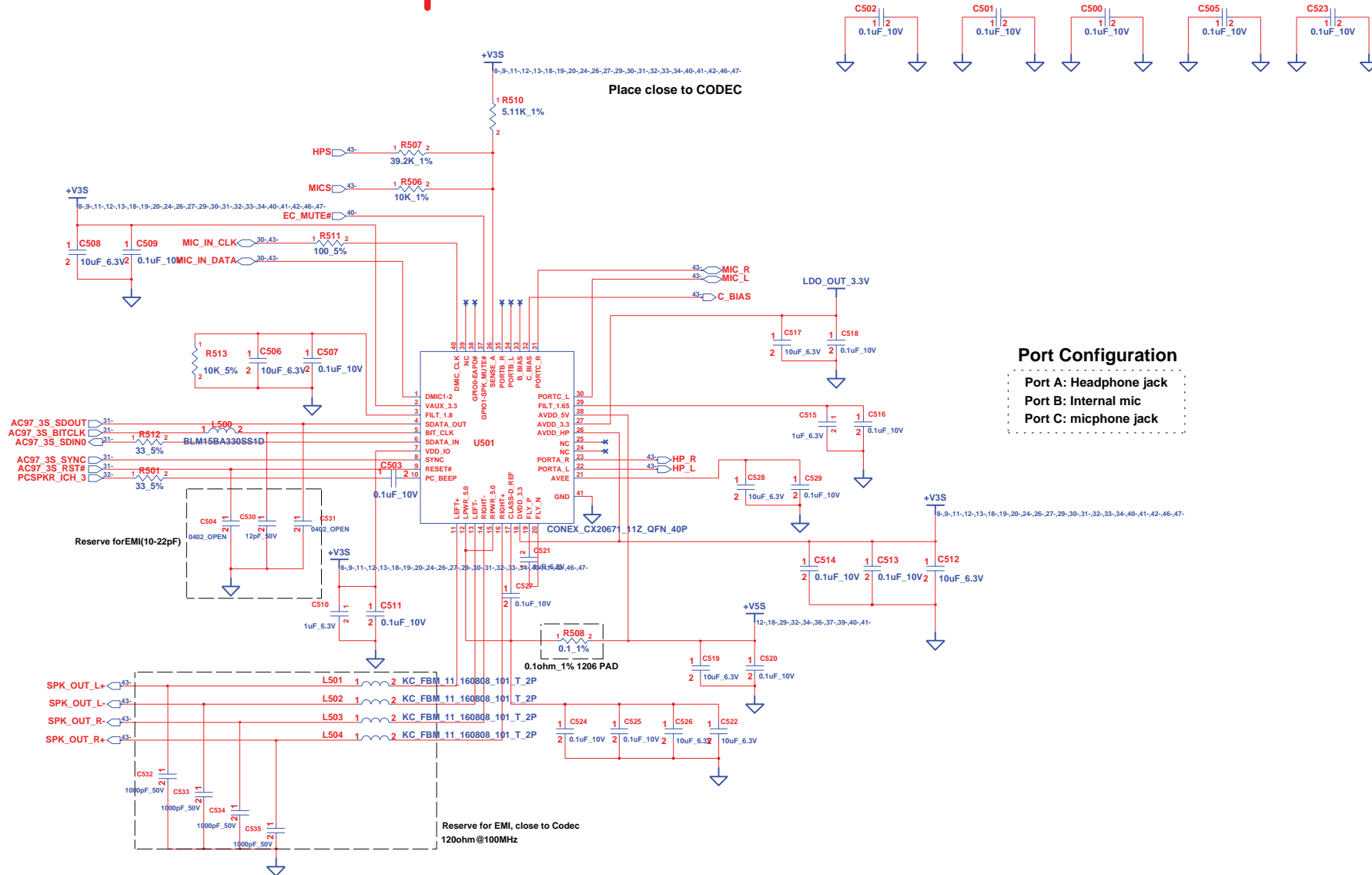
INVENTEC

TITLE			
MAS10M			
K/B & TP/B CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

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Port Configuration

Port A: Headphone jack
Port B: Internal mic
Port C: microphone jack

INVENTEC

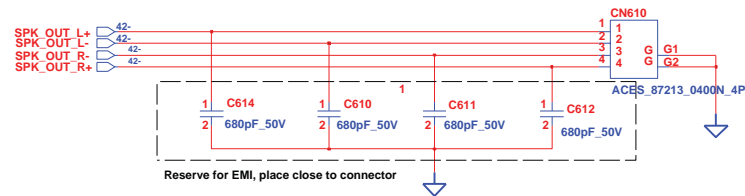
TITLE MAS10M Audio codec			
SIZE A3	CODE CS	DOC. NUMBER I310A23553-0-0	REV A02

CHANGE by **KOBE** 23-Mar-2010

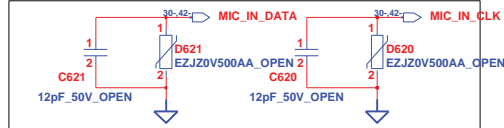
SHEET 42 OF 52

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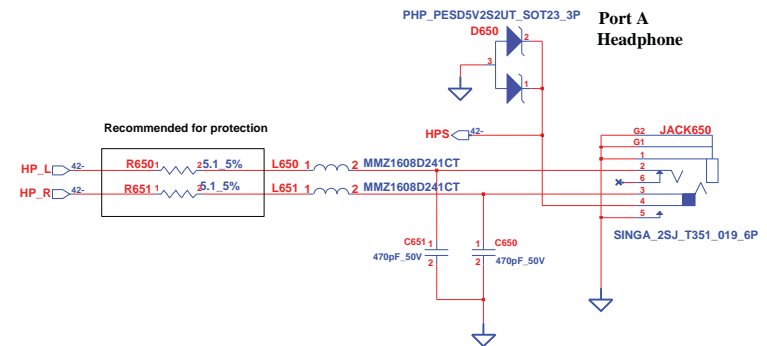
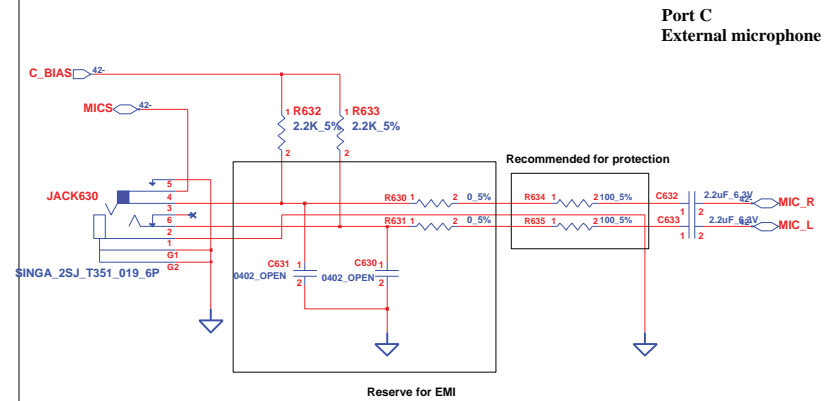
INTERNAL SPEAKERS



INTERNAL MIC



AUDIO JACKS



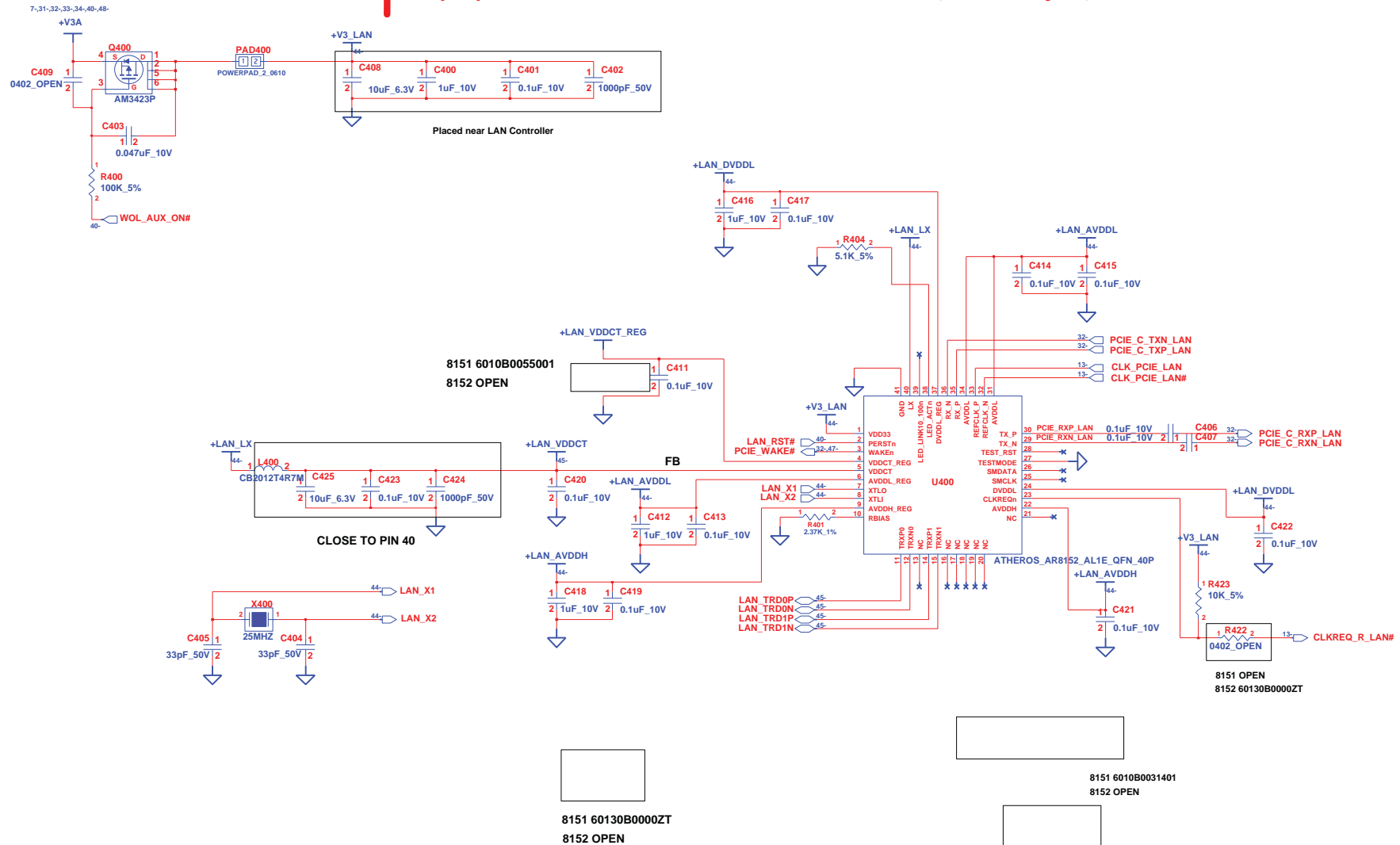
INVENTEC

TITLE			
MAS10M			
Audio AMP&MIC&Speaker			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

CHANGE by KOBE 23-Mar-2010

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<http://hobi-elektronika.net>



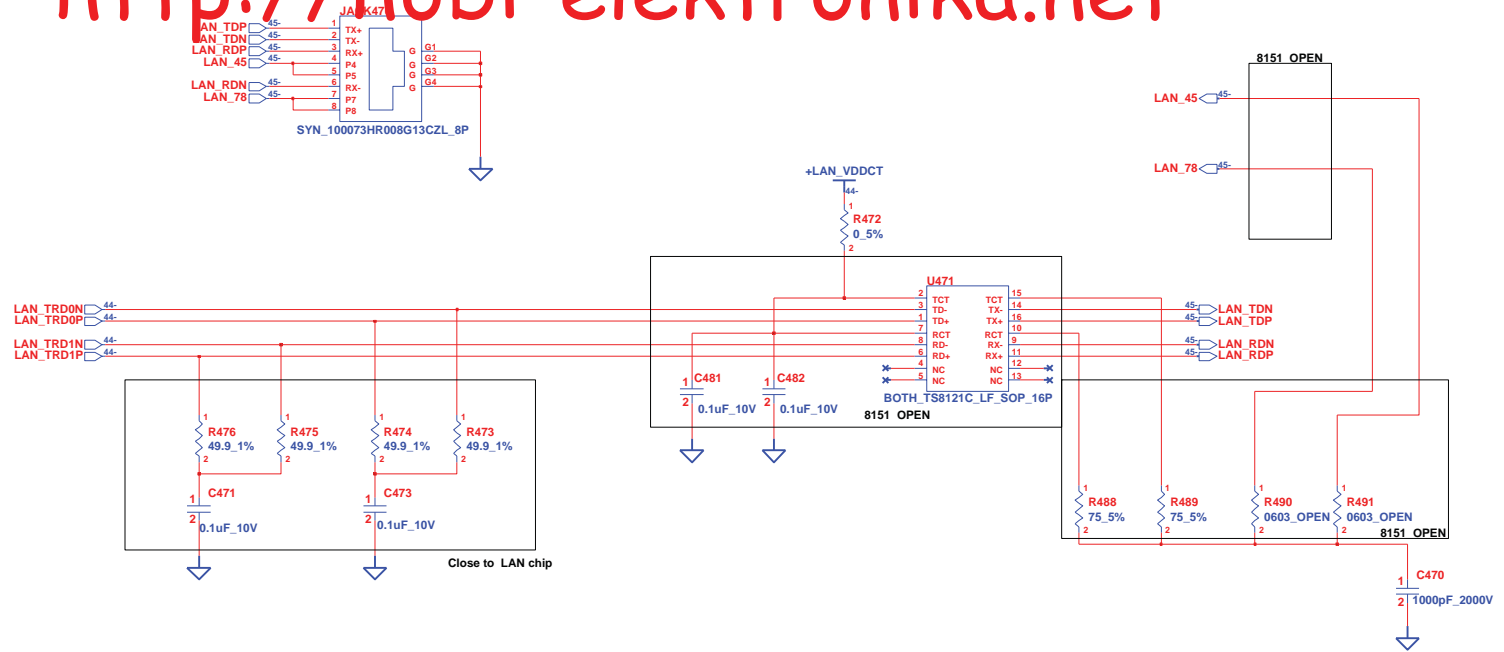
INVENTEC

TITLE
MAS10M
LAN
SIZE
A3
CODE
CS
DOC. NUMBER
1310A23553-0-0
REV
A02

CHANGE by KOBE 23-Mar-2010

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INVENTEC

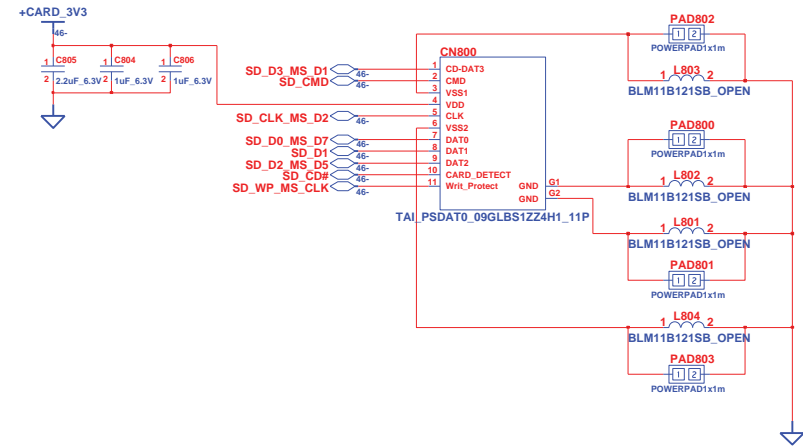
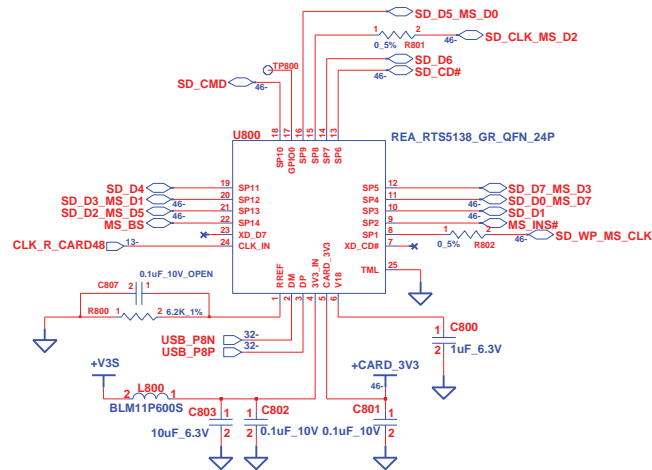
TITLE
MAS10M
Transformer&RJ45

SIZE CODE DOC. NUMBER REV
A3 CS 1310A23553-0-0 A02

CHANGE by **KOBE** 23-Mar-2010

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INVENTEC

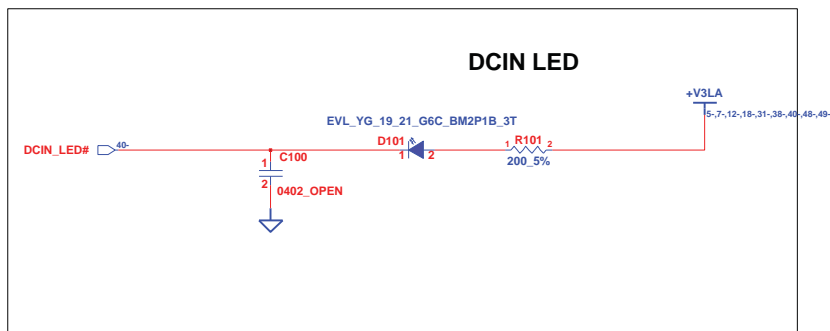
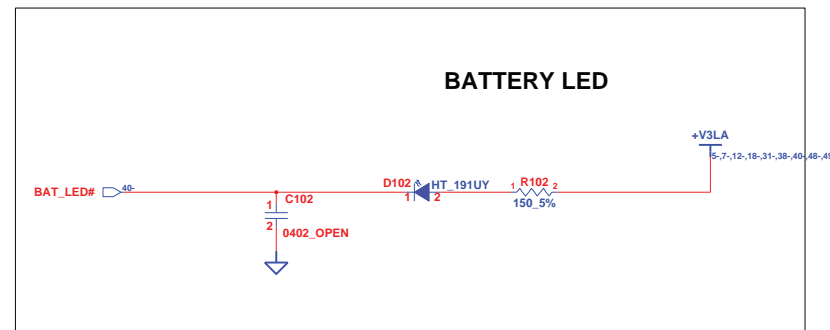
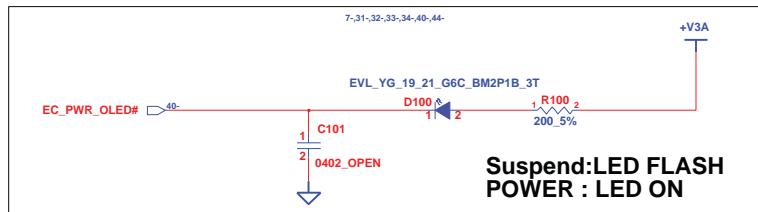
TITLE
MAS10M
USB Card Reader

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02

CHANGE by **KOBE** 23-Mar-2010

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<http://hobi-elektronika.net>

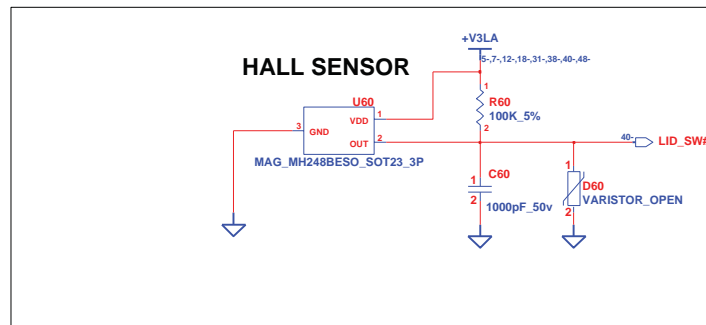


INVENTEC

TITLE			
MAS10M			
LED & Hotkey CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23553-0-0	A02
SHEET		48	OF 52

CHANGE by KOBE 23-Mar-2010

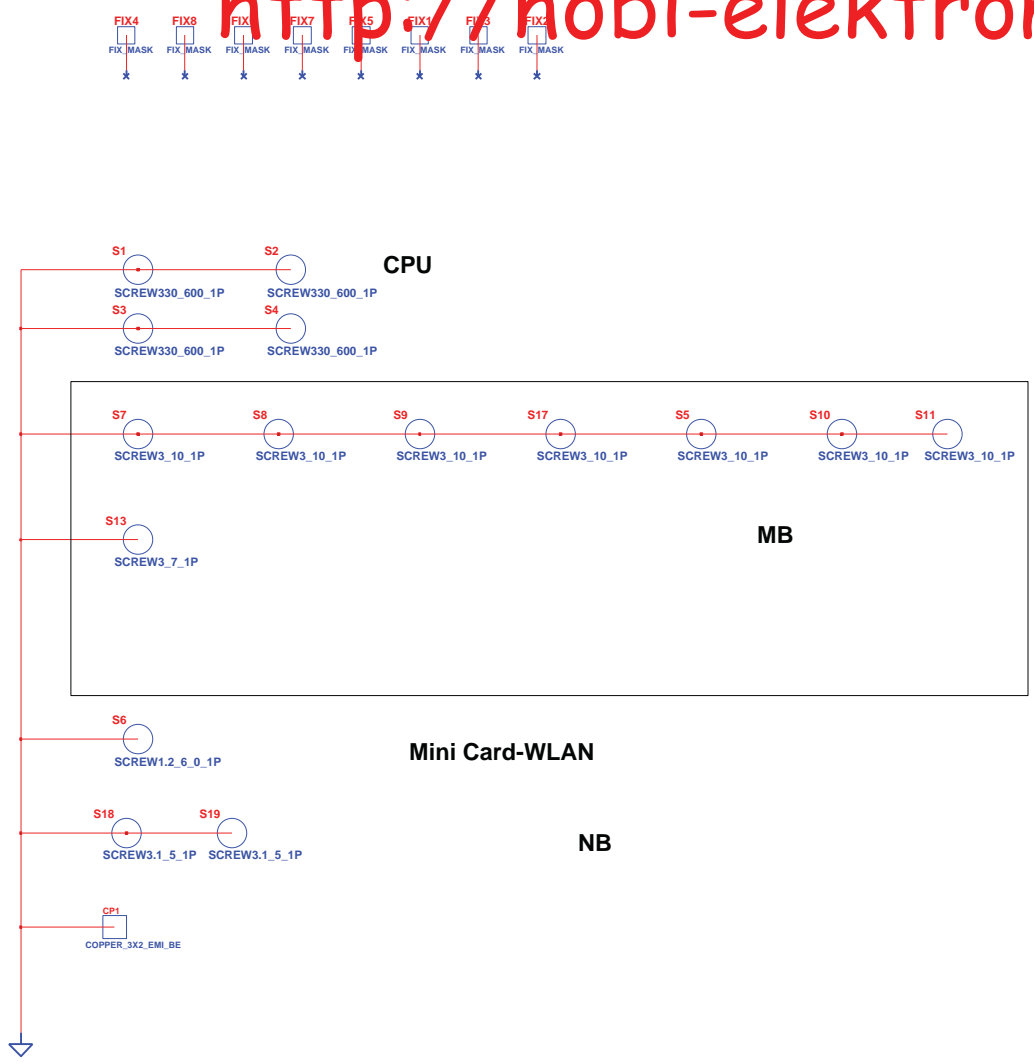
<http://hobi-elektronika.net>



INVENTEC

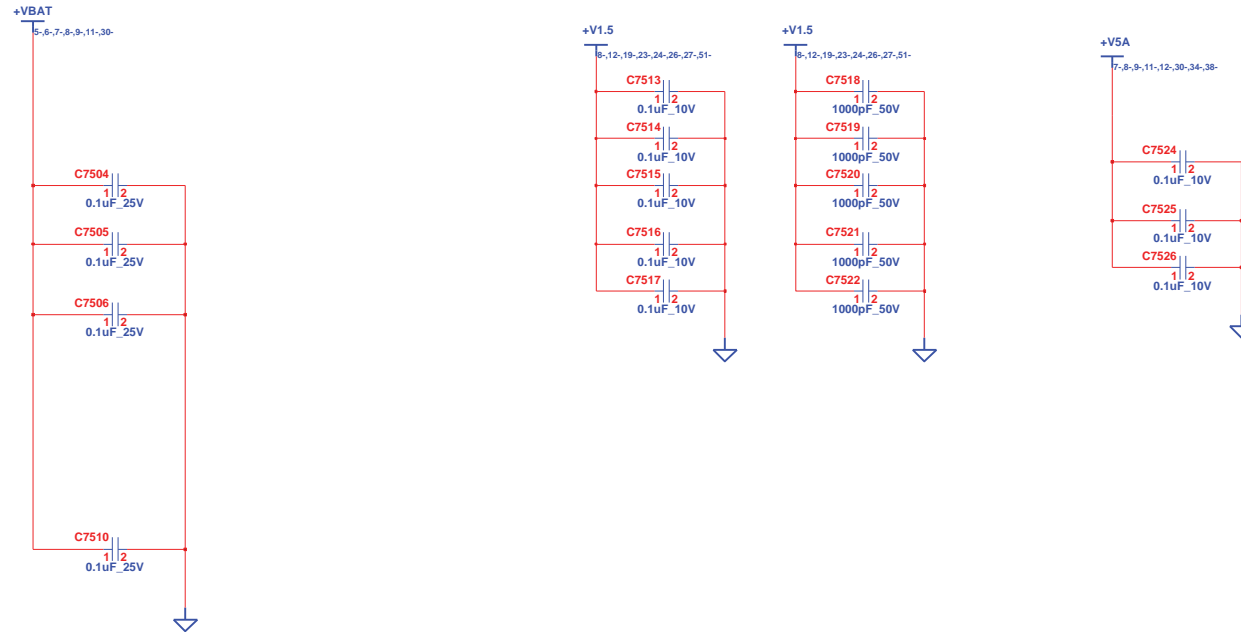
TITLE			
MAS10M			
Kill Switch & Hall Sensor			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
CHANGE by		23-Mar-2010	
SHEET		49	OF 52

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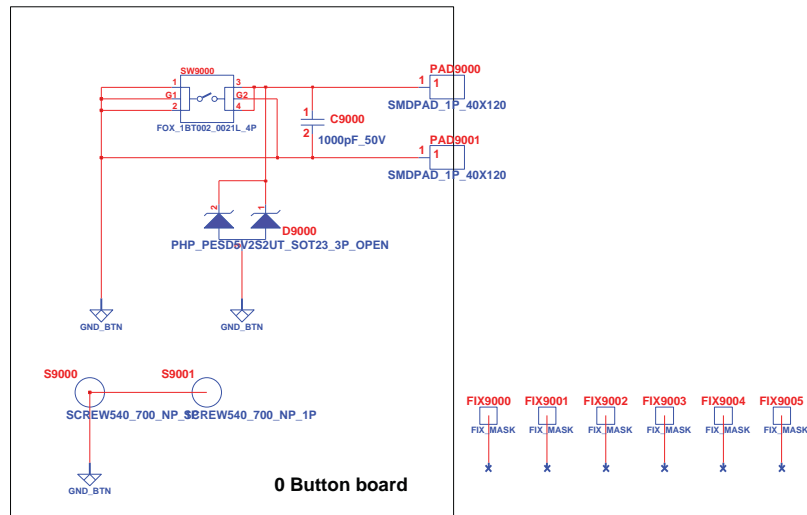
INVENTEC			
TITLE			
MAS10M			
Screw			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23553-0-0	A02
CHANGE by		23-Mar-2010	
SHEET		50	OF 52

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INVENTEC			
TITLE <i>MAS10M</i>			
EMI			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23553-0-0	A02
CHANGE by		23-Mar-2010	
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SHEET		51	OF 52
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<http://hobi-elektronika.net>



INVENTEC

TITLE **MAS10M**
power board

SIZE A3	CODE CS	DOC. NUMBER 1310A23553-0-0	REV A02
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CHANGE by **KOBE** 23-Mar-2010

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