

S-SERIES

Zygo(D) & Zodiac(D) & Ikon

PV_Build (A01)

2008.04.02

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| | | |
| DATE | CHANGE NO. | REV |

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|----------------------------|----|------|-------|------|---------------------|------|-------------|
| DRAWER | EE | DATE | POWER | DATE | INVENTEC | | |
| DESIGN | | | | | TITLE | | |
| CHECK | | | | | S-SERIES - Discrete | | |
| RESPONSIBLE | | | | | | | |
| SIZE = 3 | | | | | SIZE | CODE | DOC. NUMBER |
| FILE NAME : XXXX-XXXXXX-XX | | | | | A3 | CS | 1310A21614 |
| P/N XXXXXXXXXXXX | | | | | REV | | |
| | | | | | A01 | | |
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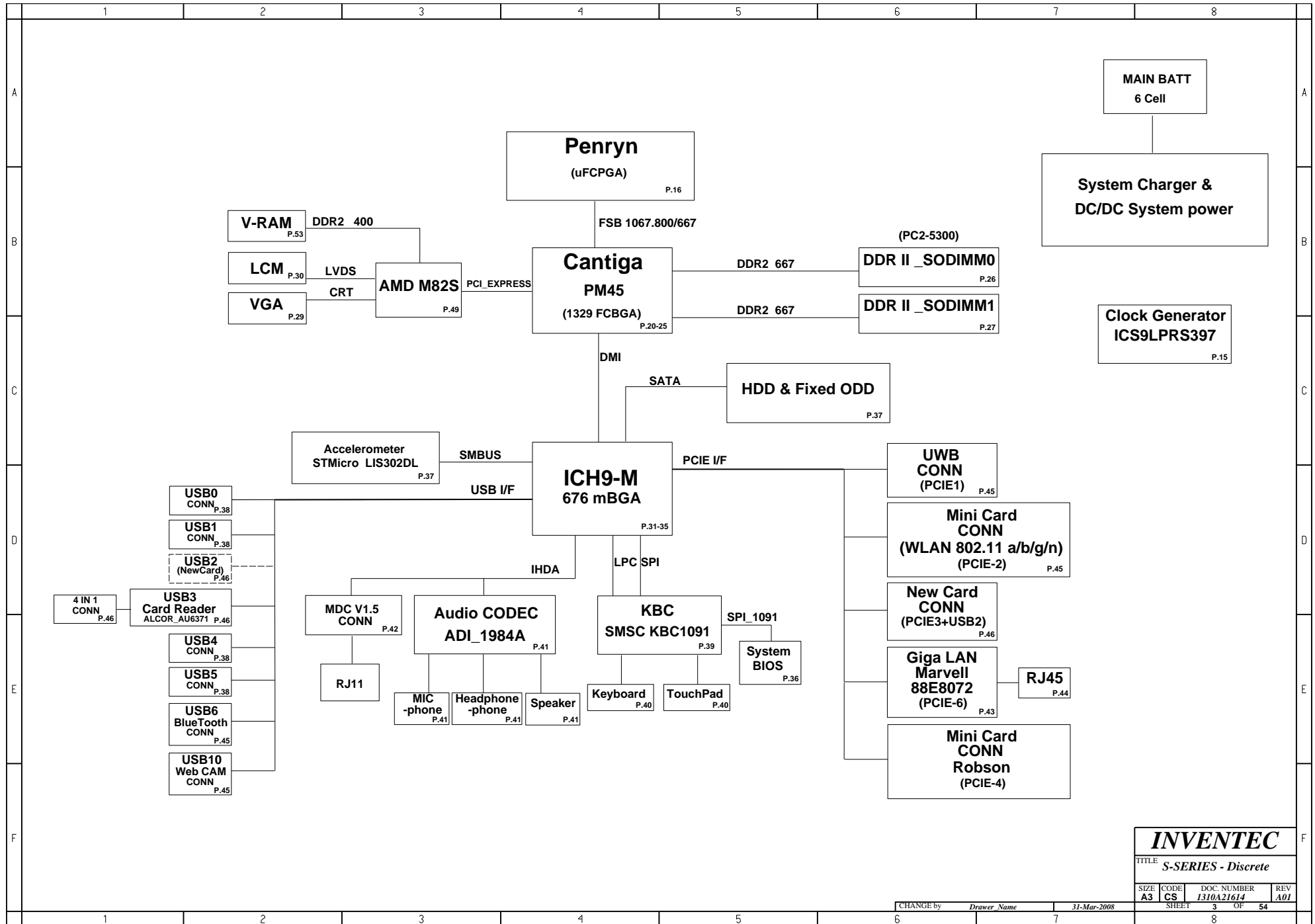
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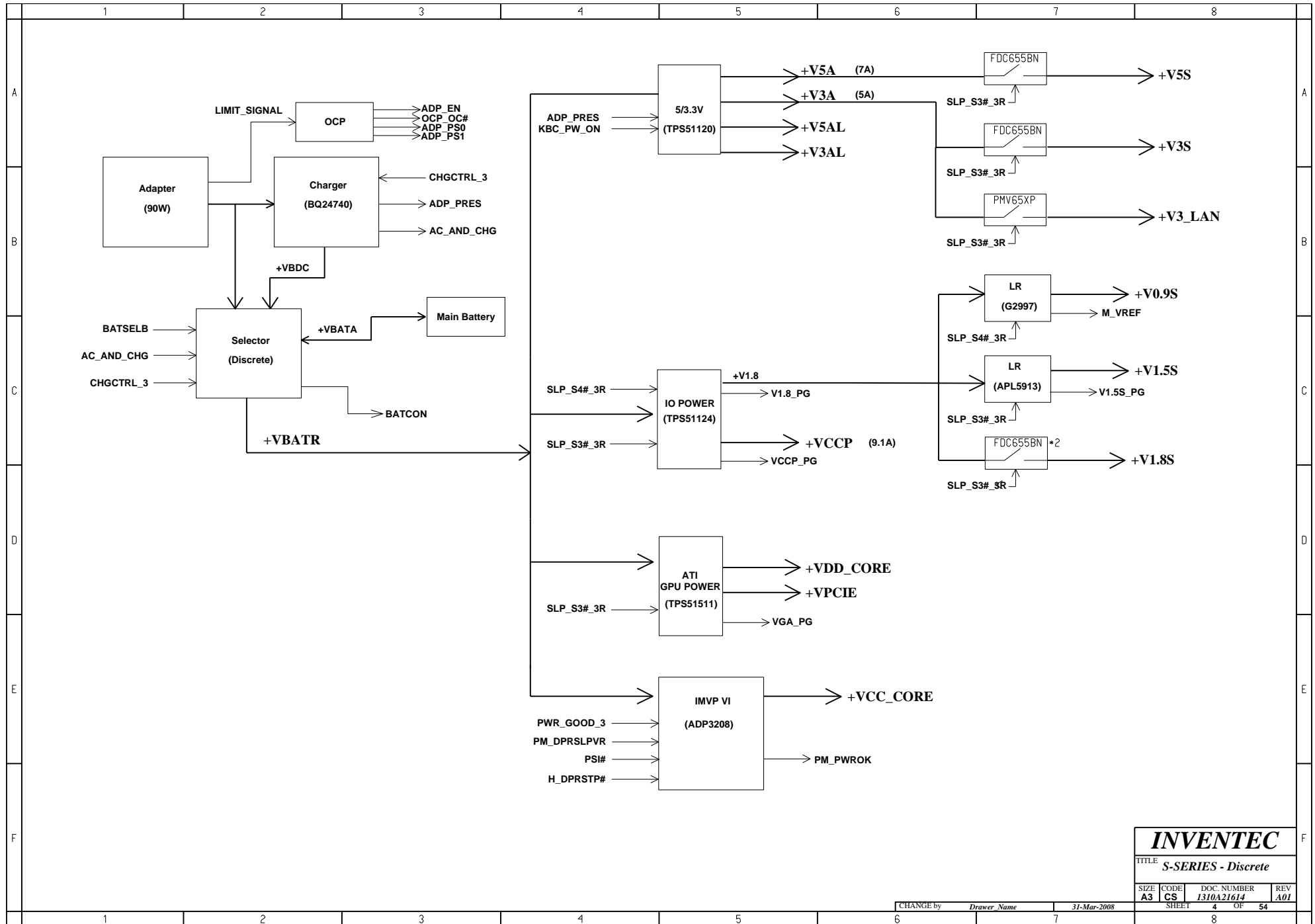
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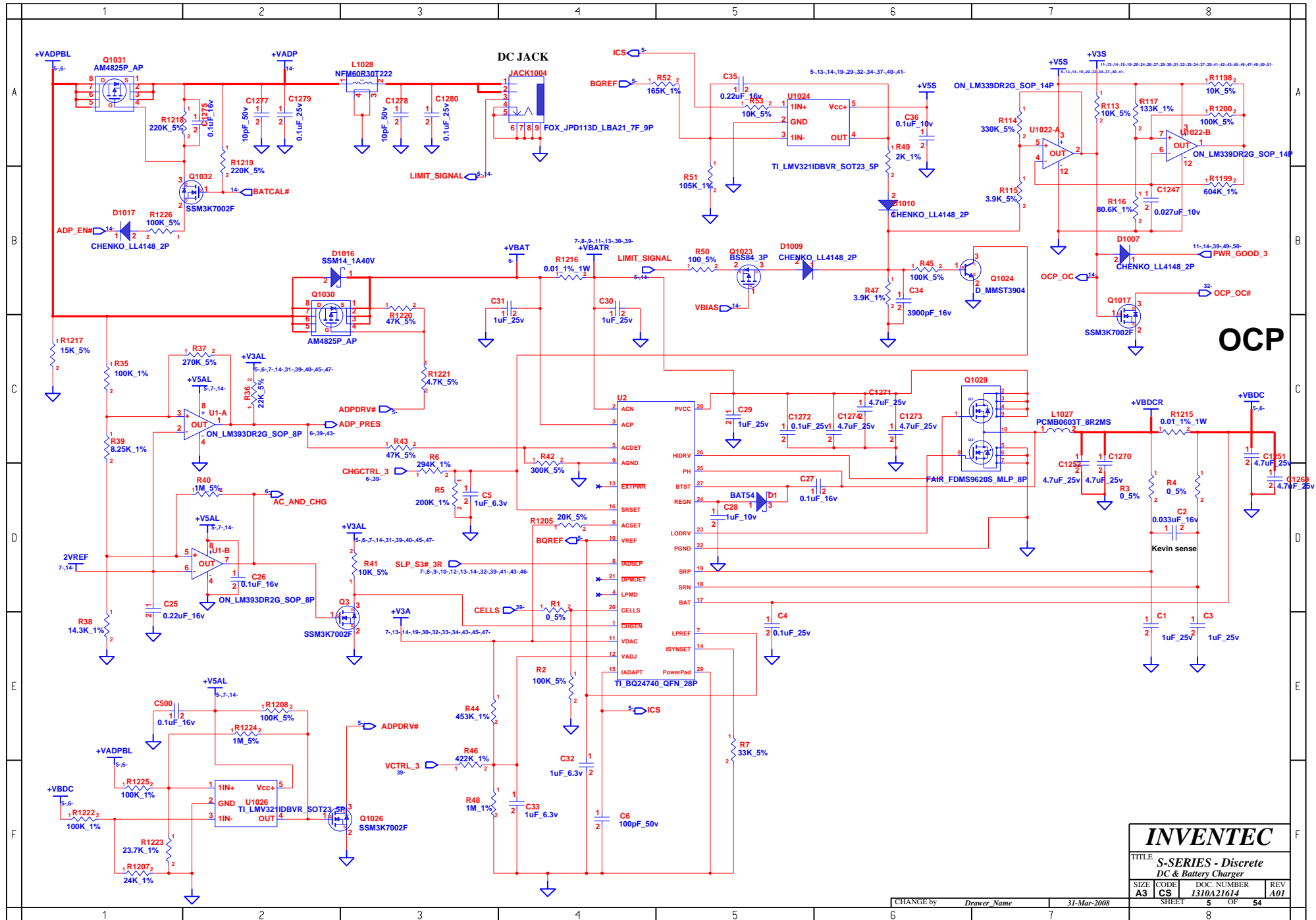
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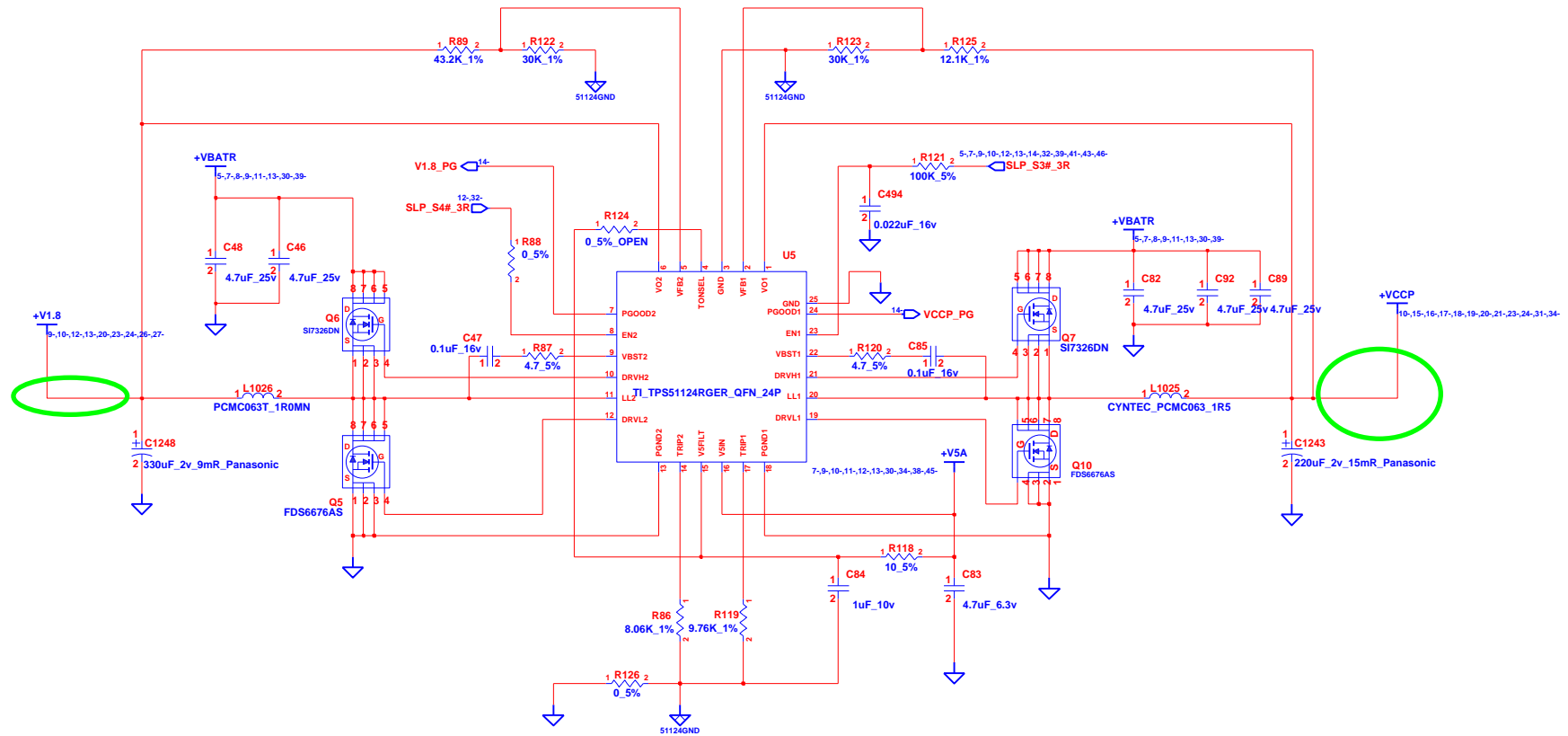
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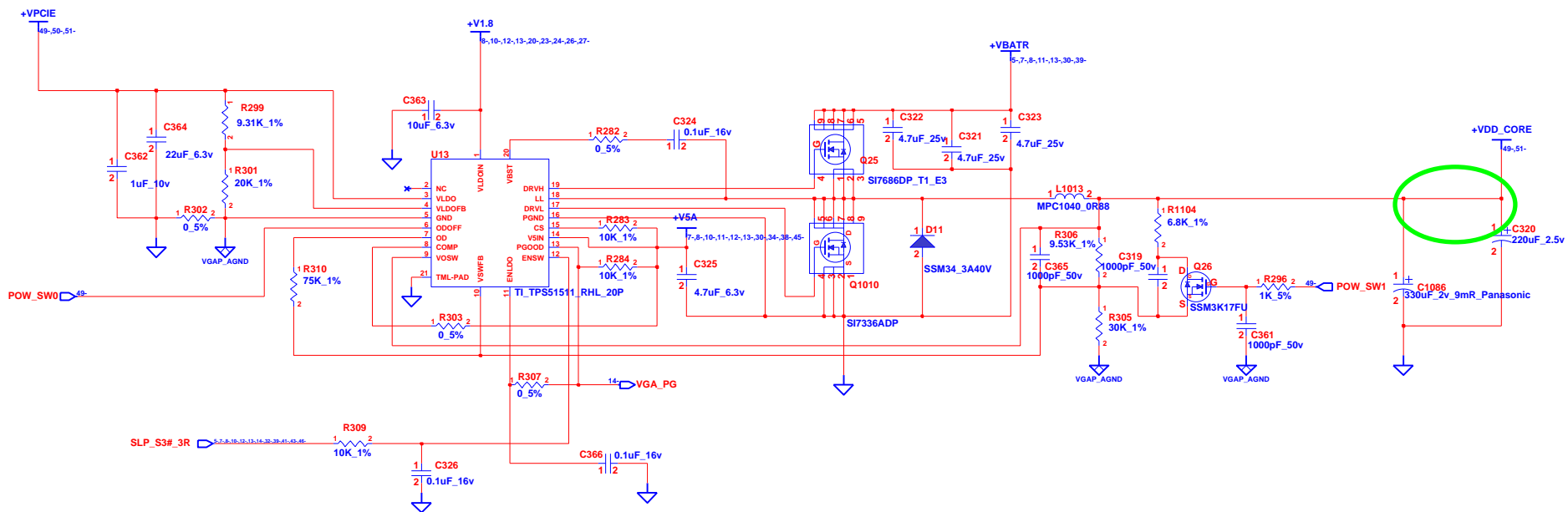




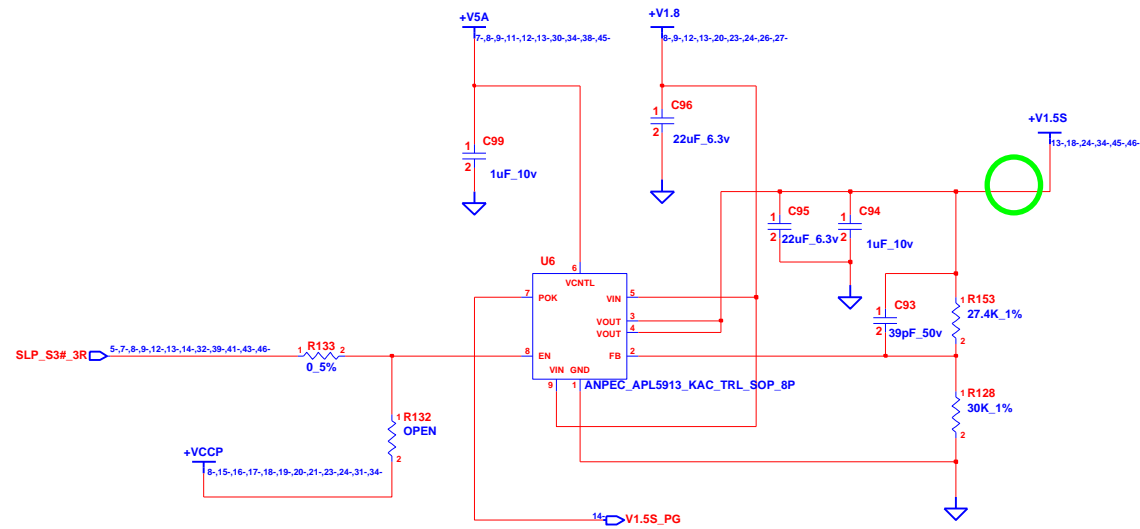


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| POW_SW1 | POW_SW0 | +VDD_CORE |
|---------|---------|-----------|
| 0 | 0 | 1.1V |
| 0 | 1 | 1.0V |
| 1 | 0 | 0.9V |



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|---|-------------------|----------------------------------|-------------------|
| INVENTEC | | | |
| TITLE <i>S-SERIES - Discrete</i> <i>Graphic Power (+VDD_CORE & +VPCIE)</i> | | | |
| SIZE A3 | CODE CS | DOC. NUMBER 1310A21614 | REV A01 |
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| 8 | | | |



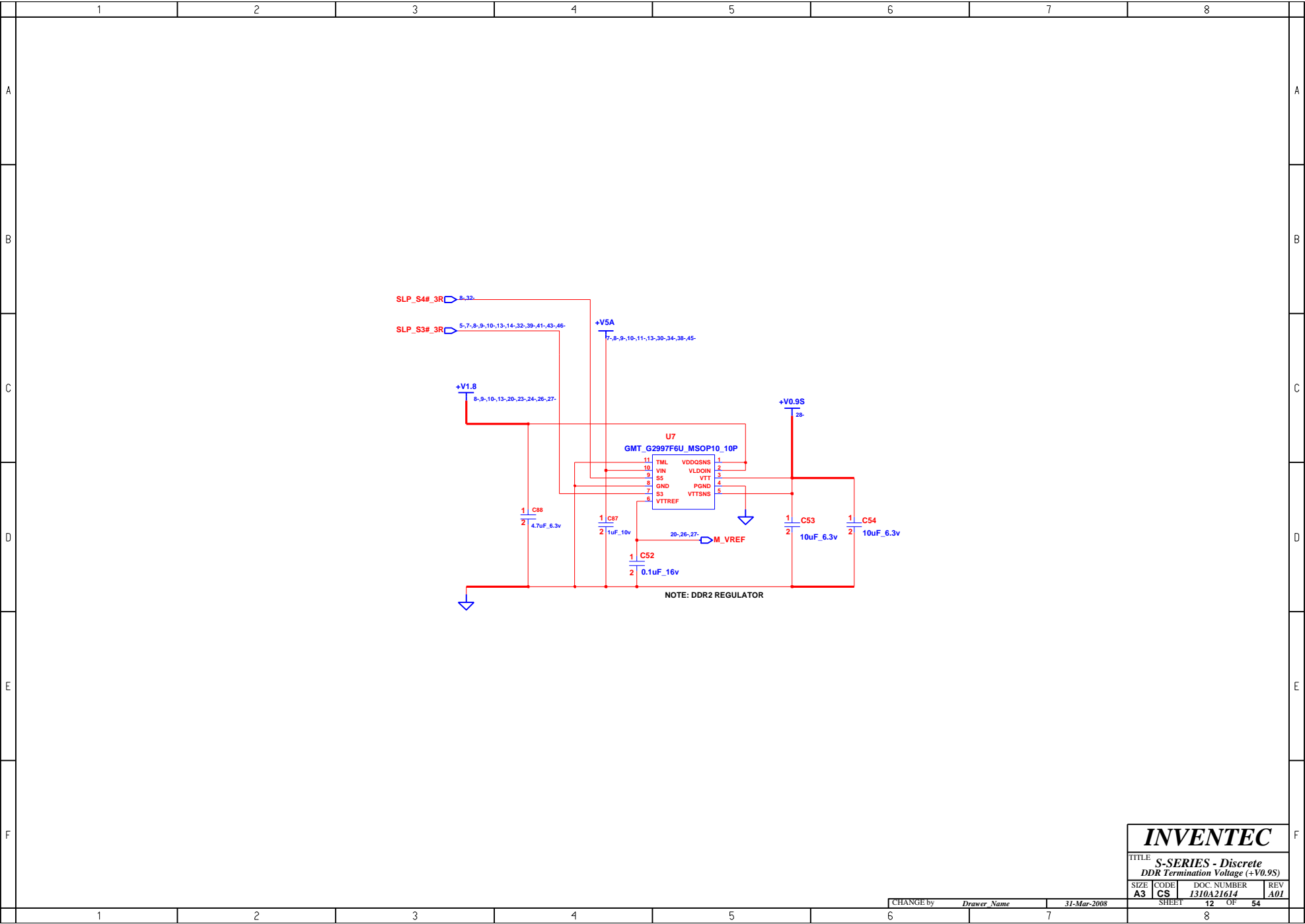
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TITLE
S-SERIES - Discrete
System Power (+V1.5S)

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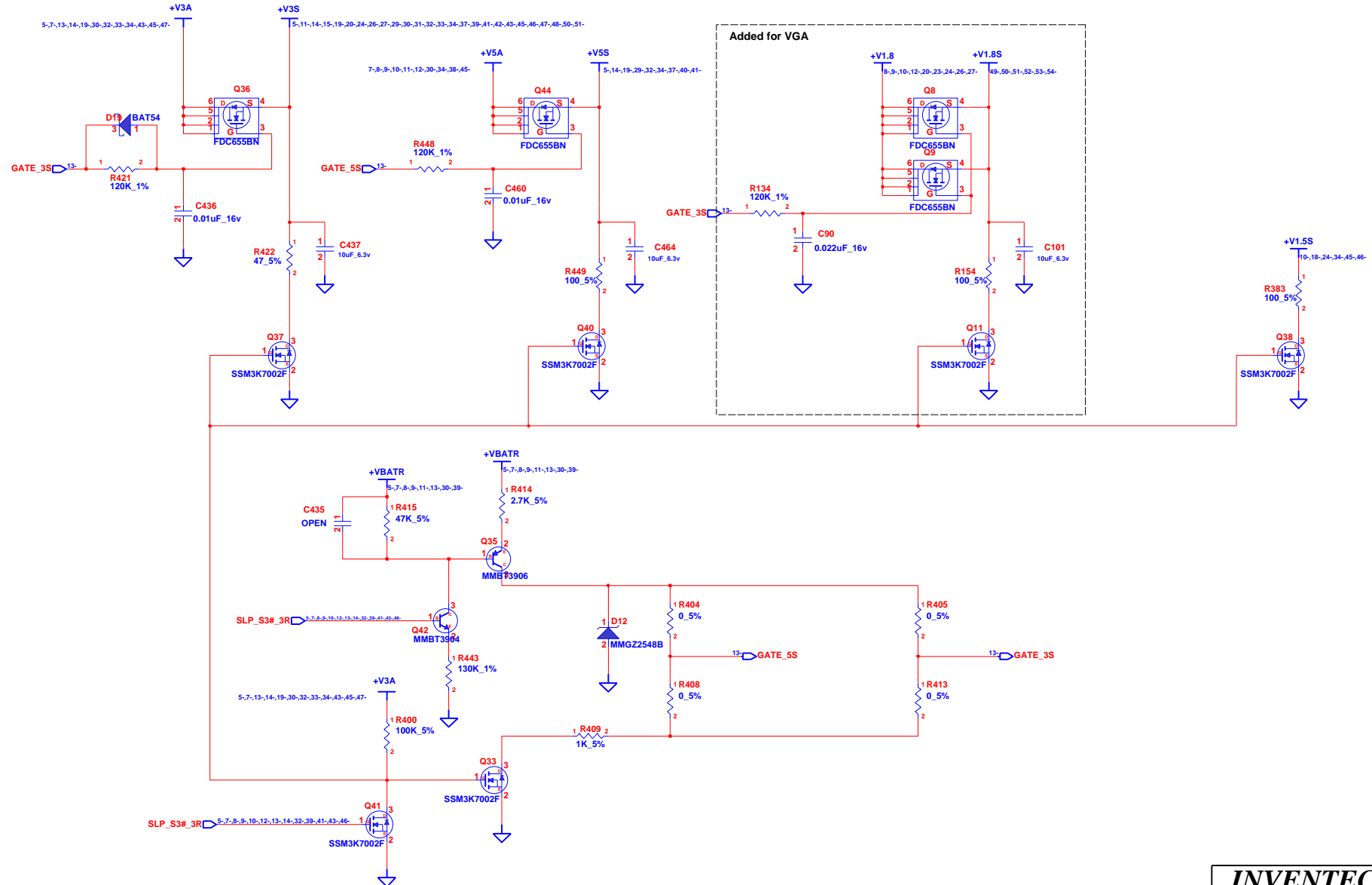
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S-SERIES - Discrete
DDR Termination Voltage (+V0.9S)

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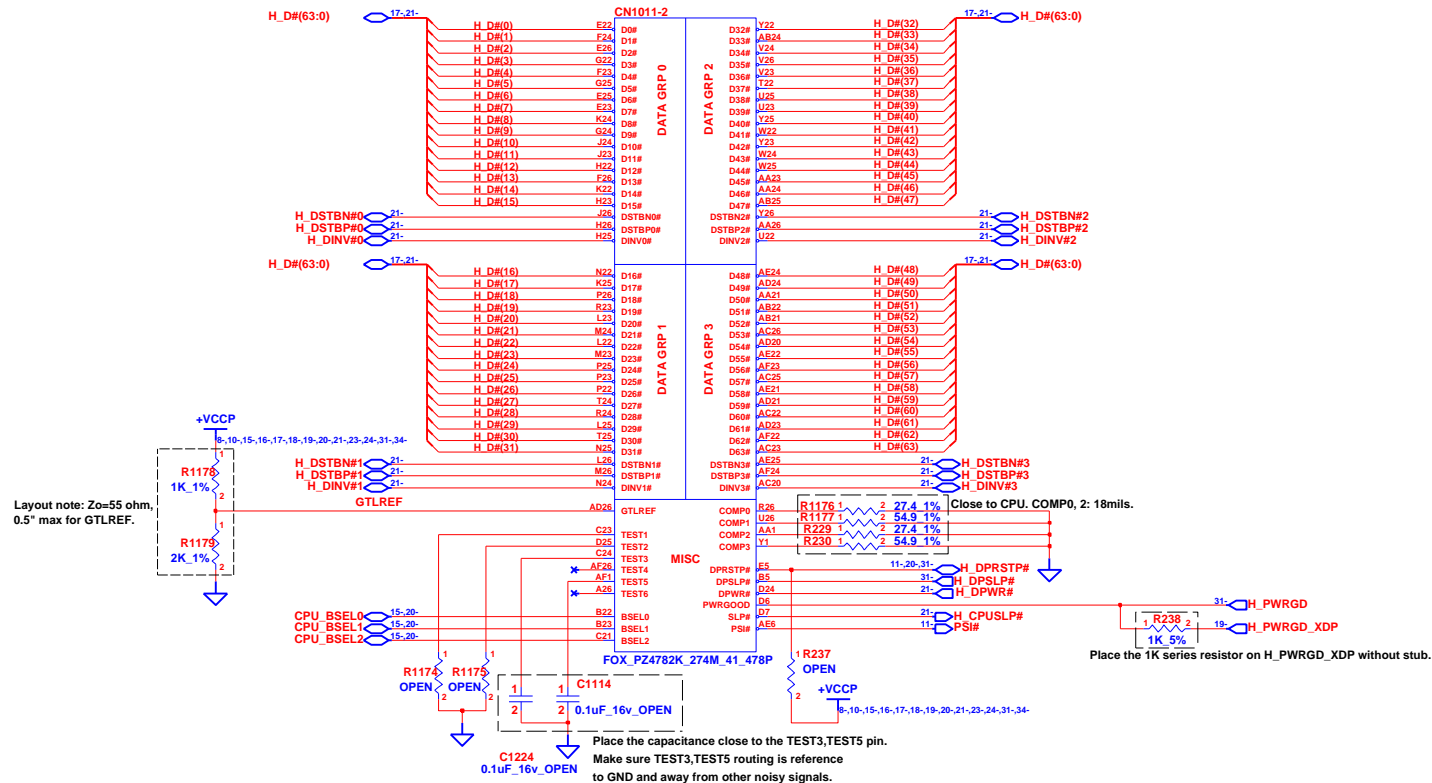
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TITLE
S-SERIES - Discrete
Power (Sleep: +VSS/+V3S/+V1.8S)

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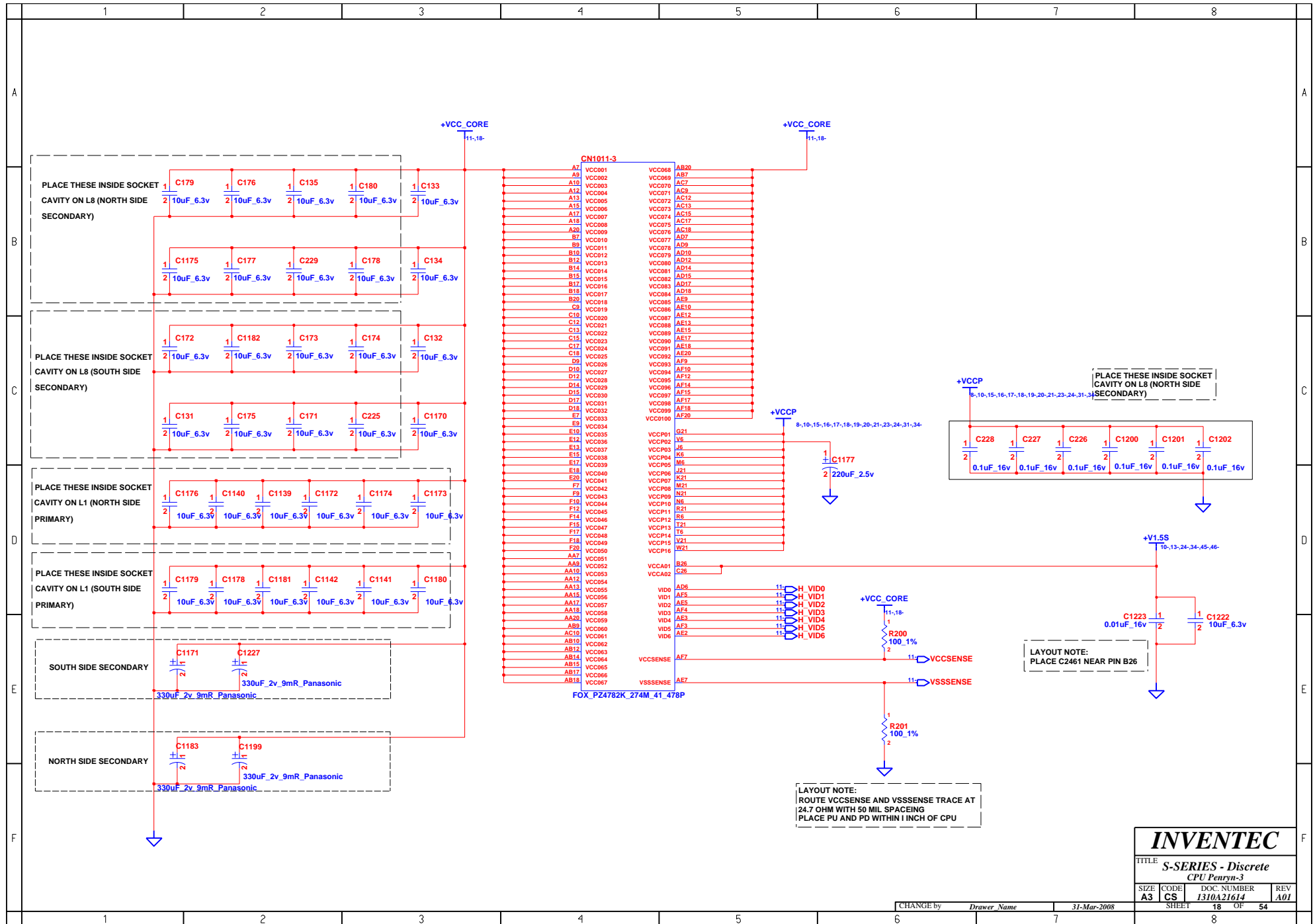
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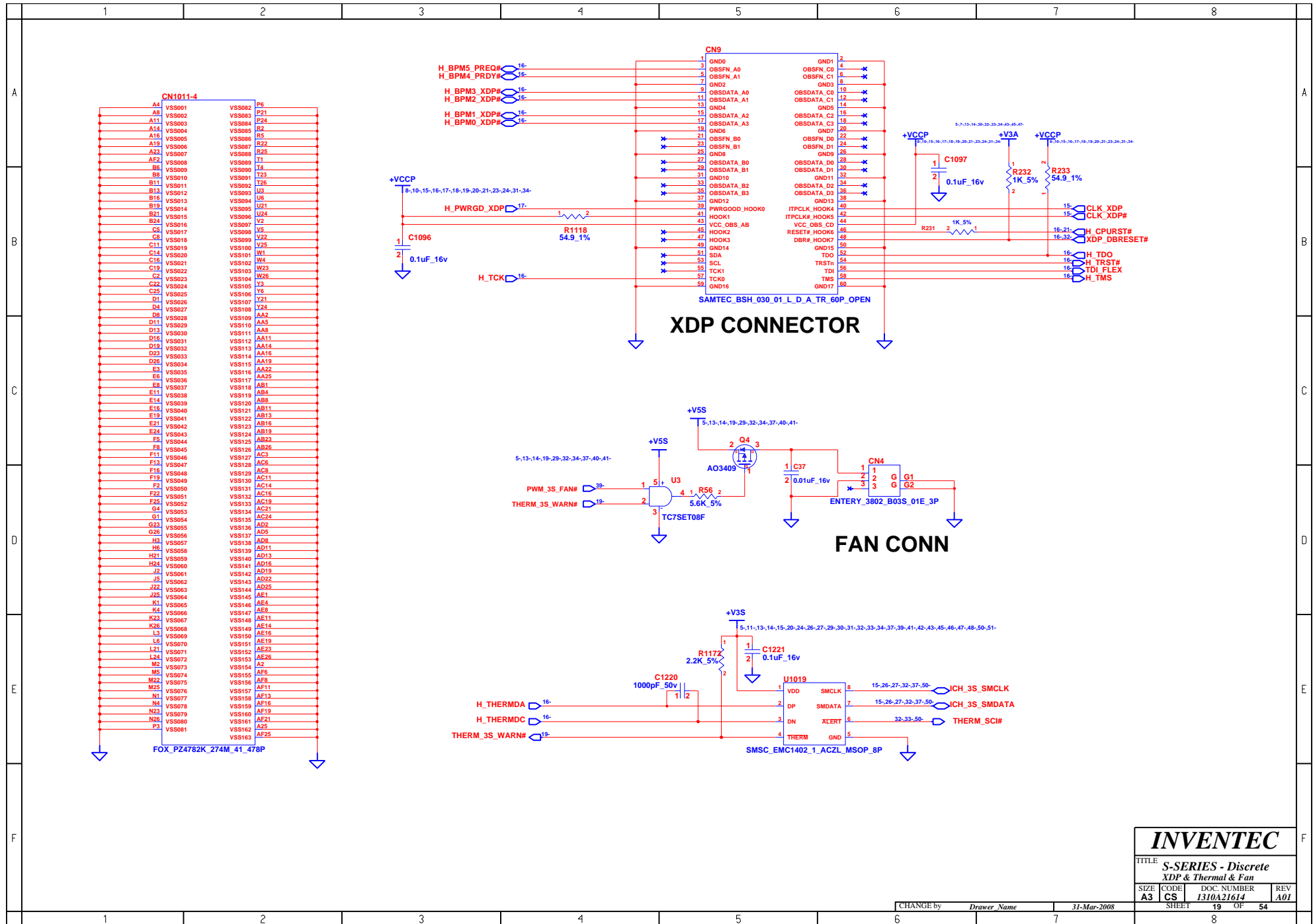
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S-SERIES - Discrete
CPU Penryn-2

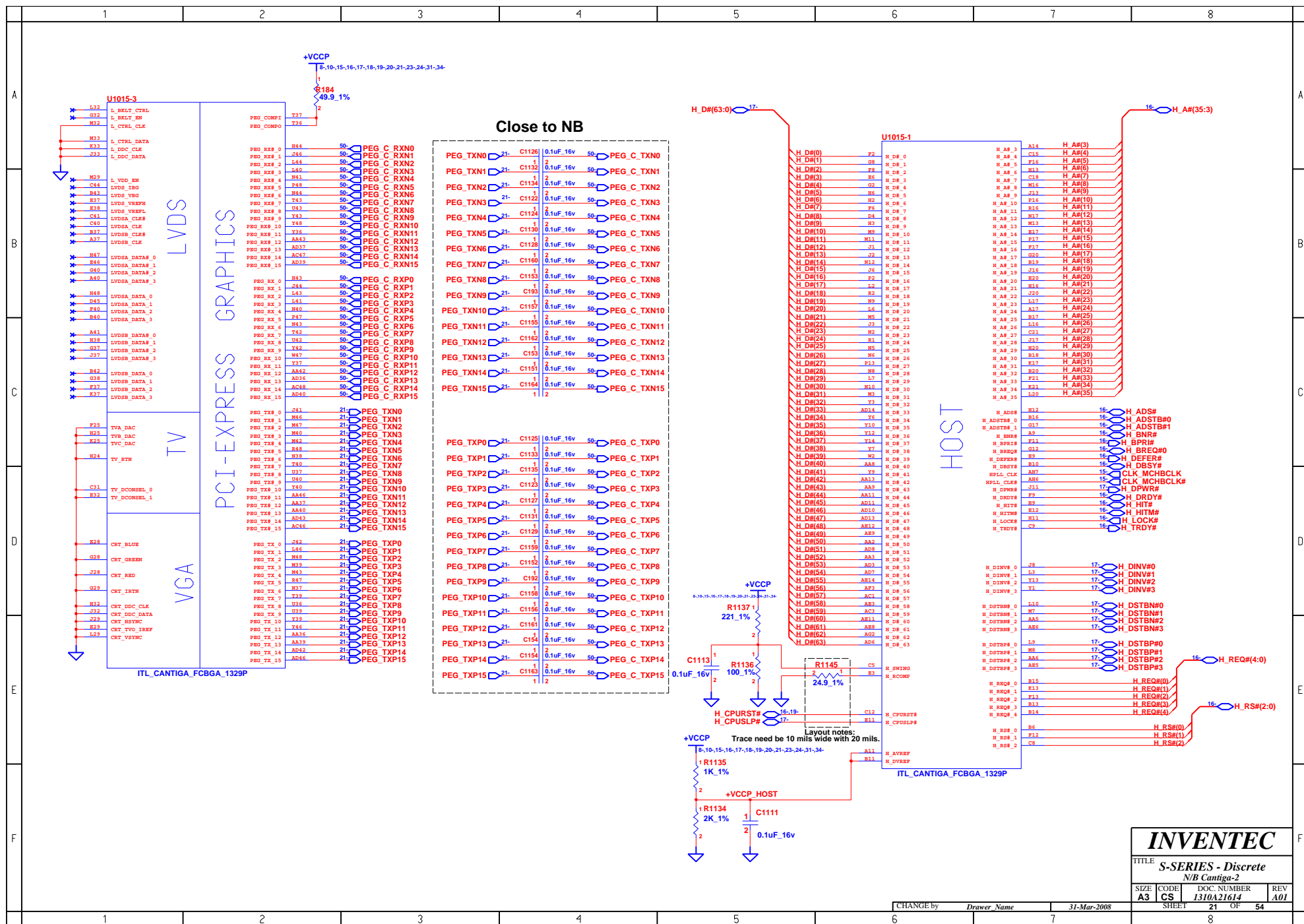
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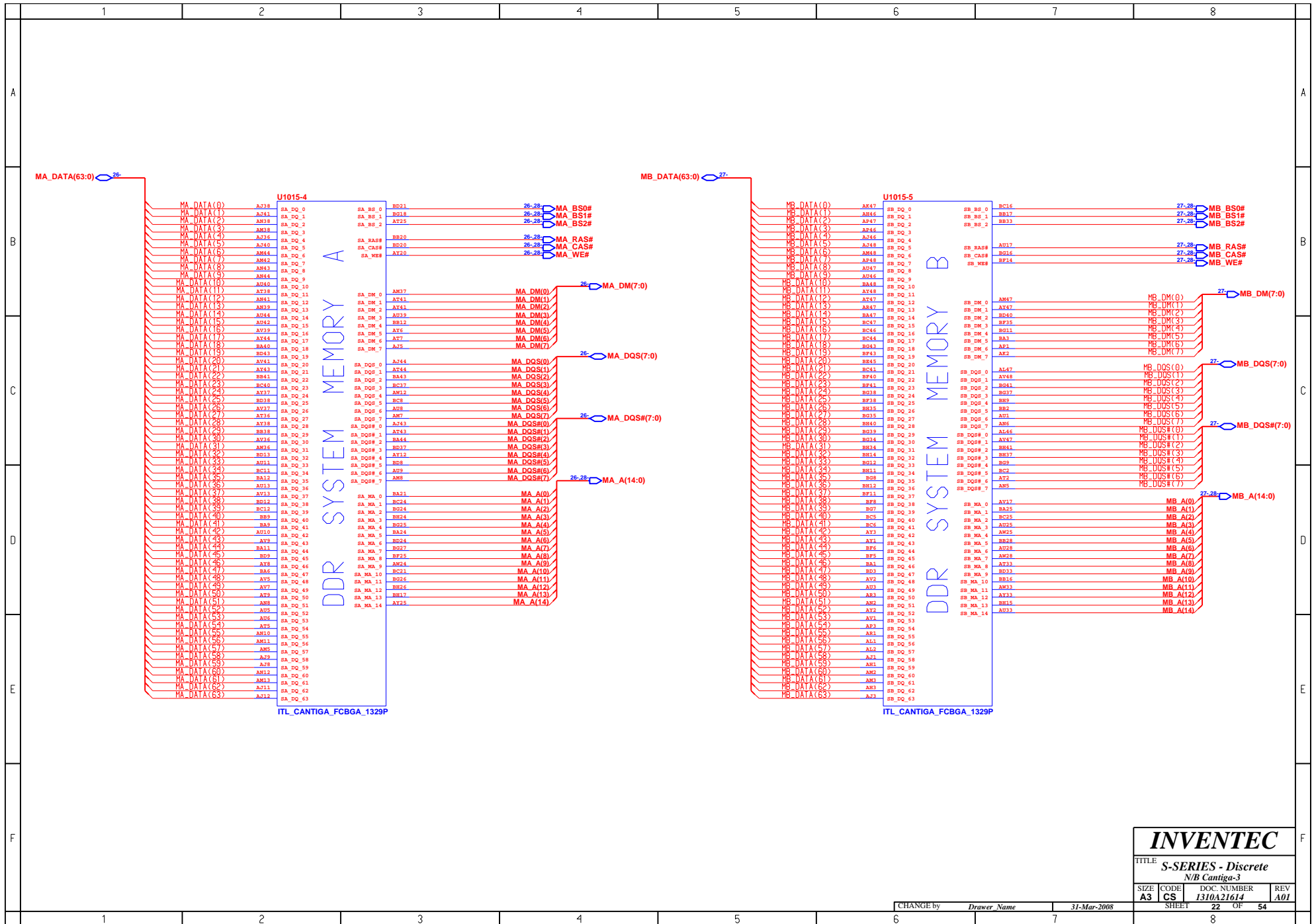
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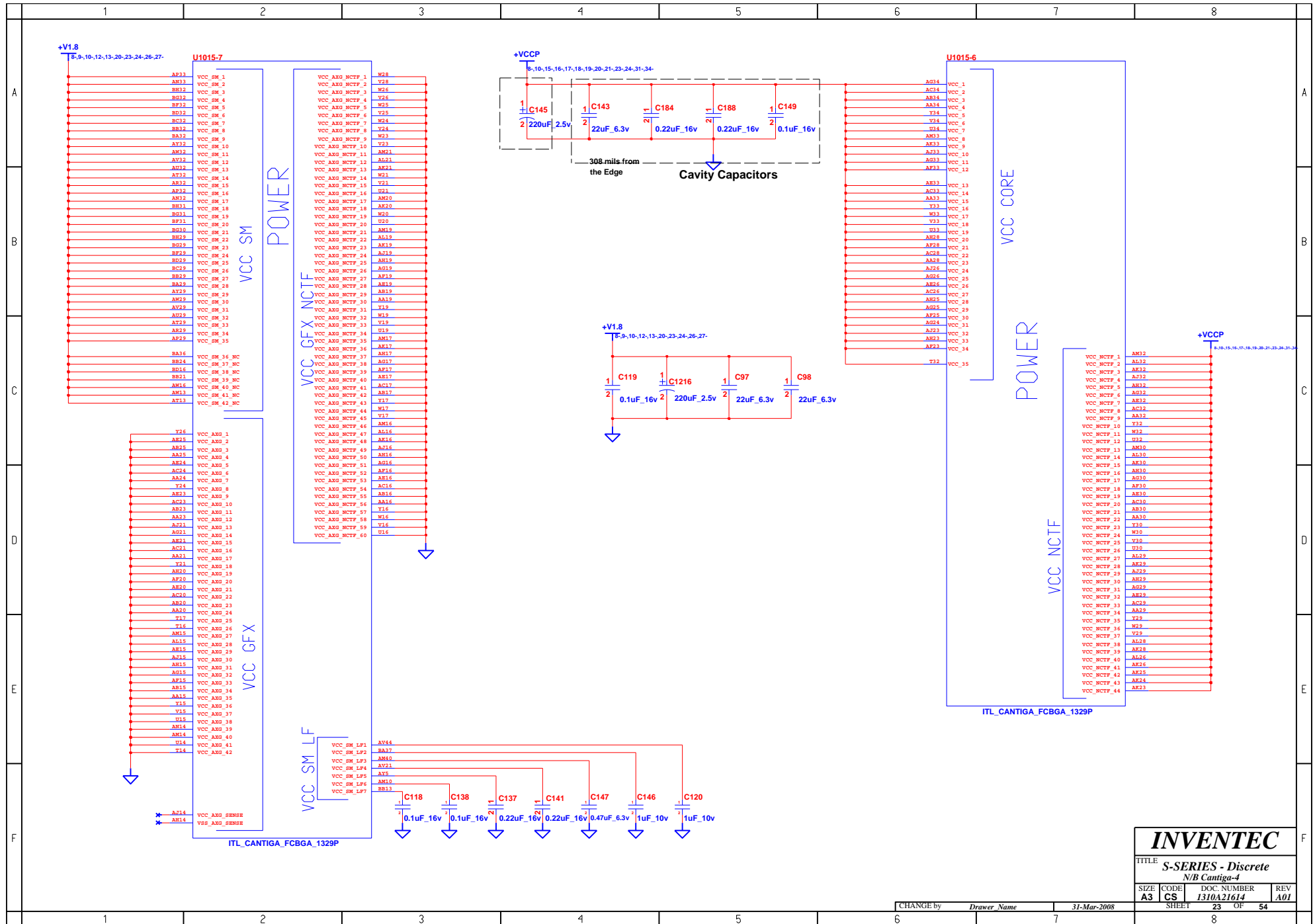


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TITLE
S-SERIES - Discrete
N/B Cantiga-3

SIZE CODE DOC. NUMBER REV
A3 CS 1310A21614 22 OF 54 A01

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|---|---|---|---|---|---|---|---|---|--|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| A | | | <div>U1015-9</div> <div>AV48 V88_1 AM16 V88_100</div> <div>AR48 V88_2 AR16 V88_101</div> <div>AL48 V88_3 V88_102 F36</div> <div>BR47 V88_4 V88_103 L36</div> <div>AM17 V88_5 V88_104 L36</div> <div>AM47 V88_6 V88_105 F36</div> <div>A247 V88_7 V88_106 R16</div> <div>AE47 V88_8 V88_107 AB35</div> <div>AD47 V88_9 V88_108 Y35</div> <div>AB47 V88_10 V88_109 Y35</div> <div>Y47 V88_11 V88_110 G35</div> <div>T47 V88_12 V88_111 T35</div> <div>RA7 V88_13 V88_112 RF24</div> <div>L47 V88_14 V88_113 AM14</div> <div>Q47 V88_15 V88_114 A224</div> <div>RD46 V88_16 V88_115 A224</div> <div>BA16 V88_17 V88_116 AR14</div> <div>AY46 V88_18 V88_117 W14</div> <div>AV46 V88_19 V88_118 R14</div> <div>AR46 V88_20 V88_119 V26</div> <div>AM16 V88_21 V88_120 R22</div> <div>V46 V88_22 V88_121 RC33</div> <div>R46 V88_23 V88_122 RA33</div> <div>FA6 V88_24 V88_123 AV33</div> <div>H46 V88_25 V88_124 AR33</div> <div>F46 V88_26 V88_125 AL33</div> <div>BP44 V88_27 V88_126 AR33</div> <div>AB44 V88_28 V88_127 AR33</div> <div>AD44 V88_29 V88_128 P33</div> <div>AA44 V88_30 V88_129 L33</div> <div>T44 V88_31 V88_130 R33</div> <div>DA4 V88_32 V88_131 R12</div> <div>T44 V88_33 V88_132 K32</div> <div>M44 V88_34 V88_133 F32</div> <div>BC43 V88_35 V88_134 C32</div> <div>AY43 V88_36 V88_135 A13</div> <div>AV43 V88_37 V88_136 AM29</div> <div>AD43 V88_38 V88_137 T29</div> <div>AM43 V88_39 V88_138 K29</div> <div>J43 V88_40 V88_139 K29</div> <div>C43 V88_41 V88_140 H29</div> <div>RG42 V88_42 V88_141 F29</div> <div>AY42 V88_43 V88_142 A29</div> <div>AT42 V88_44 V88_143 RG28</div> <div>AM42 V88_45 V88_144 RD28</div> <div>A242 V88_46 V88_145 RA28</div> <div>AR42 V88_47 V88_146 AV28</div> <div>R42 V88_48 V88_147 AT28</div> <div>L42 V88_49 V88_148 AR28</div> <div>BD41 V88_50 V88_149 AD28</div> <div>AM41 V88_51 V88_150 AG28</div> <div>AM41 V88_52 V88_151 AR28</div> <div>AD41 V88_53 V88_152 AB28</div> <div>AA41 V88_54 V88_153 Y28</div> <div>Y41 V88_55 V88_154 V28</div> <div>T41 V88_56 V88_155 K28</div> <div>Q41 V88_57 V88_156 H28</div> <div>M41 V88_58 V88_157 C28</div> <div>G41 V88_59 V88_158 V28</div> <div>R41 V88_60 V88_159 BP26</div> <div>BA1 V88_61 V88_160 AM26</div> <div>BD40 V88_62 V88_161 AT26</div> <div>AV40 V88_63 V88_162 AR26</div> <div>AM40 V88_64 V88_163 AA26</div> <div>RA0 V88_65 V88_164 C26</div> <div>R40 V88_66 V88_165 R26</div> <div>AT19 V88_67 V88_166 RB25</div> <div>AM19 V88_68 V88_167 RD25</div> <div>AM19 V88_69 V88_168 RB25</div> <div>A219 V88_70 V88_169 AV25</div> <div>AR19 V88_71 V88_170 AR25</div> <div>N19 V88_72 V88_171 A225</div> <div>L19 V88_73 V88_172 AC25</div> <div>B19 V88_74 V88_173 T25</div> <div>BB18 V88_75 V88_174 H25</div> <div>RC18 V88_76 V88_175 L25</div> <div>BA18 V88_77 V88_176 V25</div> <div>AU18 V88_78 V88_177 Q25</div> <div>AB18 V88_79 V88_178 R25</div> <div>AD18 V88_80 V88_179 RF24</div> <div>AA18 V88_81 V88_180 AD24</div> <div>X18 V88_82 V88_181 AV24</div> <div>Q18 V88_83 V88_182 AT24</div> <div>T18 V88_84 V88_183 A224</div> <div>J18 V88_85 V88_184 AR24</div> <div>F18 V88_86 V88_185 AF24</div> <div>C18 V88_87 V88_186 AR24</div> <div>BP17 V88_88 V88_187 R24</div> <div>BR17 V88_89 V88_188 L24</div> <div>AM17 V88_90 V88_189 R24</div> <div>AT17 V88_91 V88_190 V24</div> <div>AM17 V88_92 V88_191 R24</div> <div>A217 V88_93 V88_192 F24</div> <div>H17 V88_94 V88_193 R24</div> <div>C37 V88_95 V88_194 RB23</div> <div>BD16 V88_96 V88_195 AB23</div> <div>BD16 V88_97 V88_196 T23</div> <div>AK15 V88_98 V88_197 R23</div> <div>AD16 V88_99 V88_198 A23</div> <div>ITL_CANTIGA_FCBGA_1329P</div> | | | | | | | | |
| B | | | | | | | | | | | |
| C | | | | | | | | | | | |
| D | | | | | | | | | | | |
| E | | | | | | | | | | | |
| F | | | | | | | | | | | |

U1015-10

RG21 V88_199 V88_200 AM8

AM21 V88_201 V88_209 L8

AG21 V88_202 V88_300 R8

AP21 V88_203 V88_301 R8

AM21 V88_204 V88_302 AY7

AM21 V88_205 V88_303 AU7

AE44 V88_206 V88_304 AD7

AB21 V88_207 V88_305 A27

R21 V88_208 V88_306 AE7

H21 V88_209 V88_307 AA7

J21 V88_210 V88_308 K7

Q21 V88_211 V88_309 J7

RC20 V88_212 V88_310 BG6

RA20 V88_213 V88_311 BD6

AM20 V88_214 V88_312 AV6

AT20 V88_215 V88_313 AT6

A220 V88_216 V88_314 AM6

AG20 V88_217 V88_315 M6

T20 V88_218 V88_316 C6

R20 V88_219 V88_317 BA6

F20 V88_220 V88_318 AM5

F20 V88_221 V88_319 AD5

AV21 V88_222 V88_320 Y5

A20 V88_223 V88_321 L5

RG19 V88_224 V88_322 J5

R19 V88_225 V88_323 R5

RC17 V88_227 V88_325 BR4

AM17 V88_228

AE11 V88_229 V88_327 BC3

BA7 V88_230 V88_328 AV3

M17 V88_231 V88_329 AL3

H17 V88_232 V88_330 R3

C17 V88_233 V88_331 P3

V88_332 V88_333

BA16 V88_235 V88_333 BA2

V88_334 V88_335

AM16 V88_237 V88_336 AM2

H16 V88_239 V88_337 AF2

F16 V88_240 V88_338 A22

G16 V88_241 V88_339 AM2

R16 V88_242 V88_340 AF2

RG15 V88_243 V88_341 AR2

AC15 V88_244 V88_342 AD2

R15 V88_245 V88_343 AC2

Y15 V88_246 V88_344 Y2

RG14 V88_247 V88_345 M2

AA14 V88_248 V88_346 K2

C14 V88_249 V88_347 AM1

RG13 V88_250 V88_348 AA1

RC13 V88_251 V88_349 P1

RA13 V88_252 V88_350 H1

V88_351 V88_352

AM13 V88_255 V88_352 U24

F13 V88_256 V88_353 U25

AM13 V88_257 V88_354 U29

H13 V88_258

L13 V88_259

G13 V88_260

R13 V88_261

RF12 V88_262

AV12 V88_263

AT12 V88_264

AM12 V88_265

AA12 V88_266

J12 V88_267

A22 V88_268

RG11 V88_269

RB11 V88_270

AT11 V88_271

AG11 V88_272

AB11 V88_273

T11 V88_275

R11 V88_276

G11 V88_277

C11 V88_278

AD11 V88_279

AV10 V88_280

AT10 V88_281

AG10 V88_282

AR10 V88_283

AM10 V88_284

M10 V88_285

BP2 V88_286

RC8 V88_287

AM5 V88_288

AM2 V88_289

AD5 V88_290

Q5 V88_291

R5 V88_292

BBE V88_293

AV8 V88_294

AT8 V88_295

V88_296

V88_NCTF_1 V88_297

V88_NCTF_2 V88_298

V88_NCTF_3 V88_299

V88_NCTF_4 V88_300

V88_NCTF_5 V88_301

V88_NCTF_6 V88_302

V88_NCTF_7 V88_303

V88_NCTF_8 V88_304

V88_NCTF_9 V88_305

V88_NCTF_10 V88_306

V88_NCTF_11 V88_307

V88_NCTF_12 V88_308

V88_NCTF_13 V88_309

V88_NCTF_14 V88_310

V88_NCTF_15 V88_311

V88_NCTF_16 V88_312

V88_SCB_1 V88_313

V88_SCB_2 V88_314

V88_SCB_3 V88_315

V88_SCB_4 V88_316

V88_SCB_5 V88_317

V88_SCB_6 V88_318

NC_26 V88_319

NC_27 V88_320

NC_28 V88_321

NC_29 V88_322

NC_30 V88_323

NC_31 V88_324

NC_32 V88_325

NC_33 V88_326

NC_34 V88_327

NC_35 V88_328

NC_36 V88_329

NC_37 V88_330

NC_38 V88_331

NC_39 V88_332

NC_40 V88_333

NC_41 V88_334

NC_42 V88_335

BB48 V88_336

BB1 V88_337

AA8 V88_338

C1 V88_339

B2 V88_340

A3 V88_341

E1 V88_342

D2 V88_343

C3 V88_344

BA V88_345

A5 V88_346

A6 V88_347

AA3 V88_348

AA4 V88_349

BA5 V88_350

C46 V88_351

DA7 V88_352

BA7 V88_353

AA6 V88_354

F48 V88_355

BA8 V88_356

C48 V88_357

BA8 V88_358

MCHGND1

MCHGND2

MCHGND3

MCHGND5

ITL_CANTIGA_FCBGA_1329P

INVENTEC

S-SERIES - Discrete

N/B Cantiga-6

A3

CS

DOC. NUMBER

1310A21614

REV

A01

SHEET

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OF

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CHANGE by

Drawer Name

31-Mar-2008

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S-SERIES - Discrete

N/B Cantiga-6

SIZE CODE CS

DOC. NUMBER 1310A21614

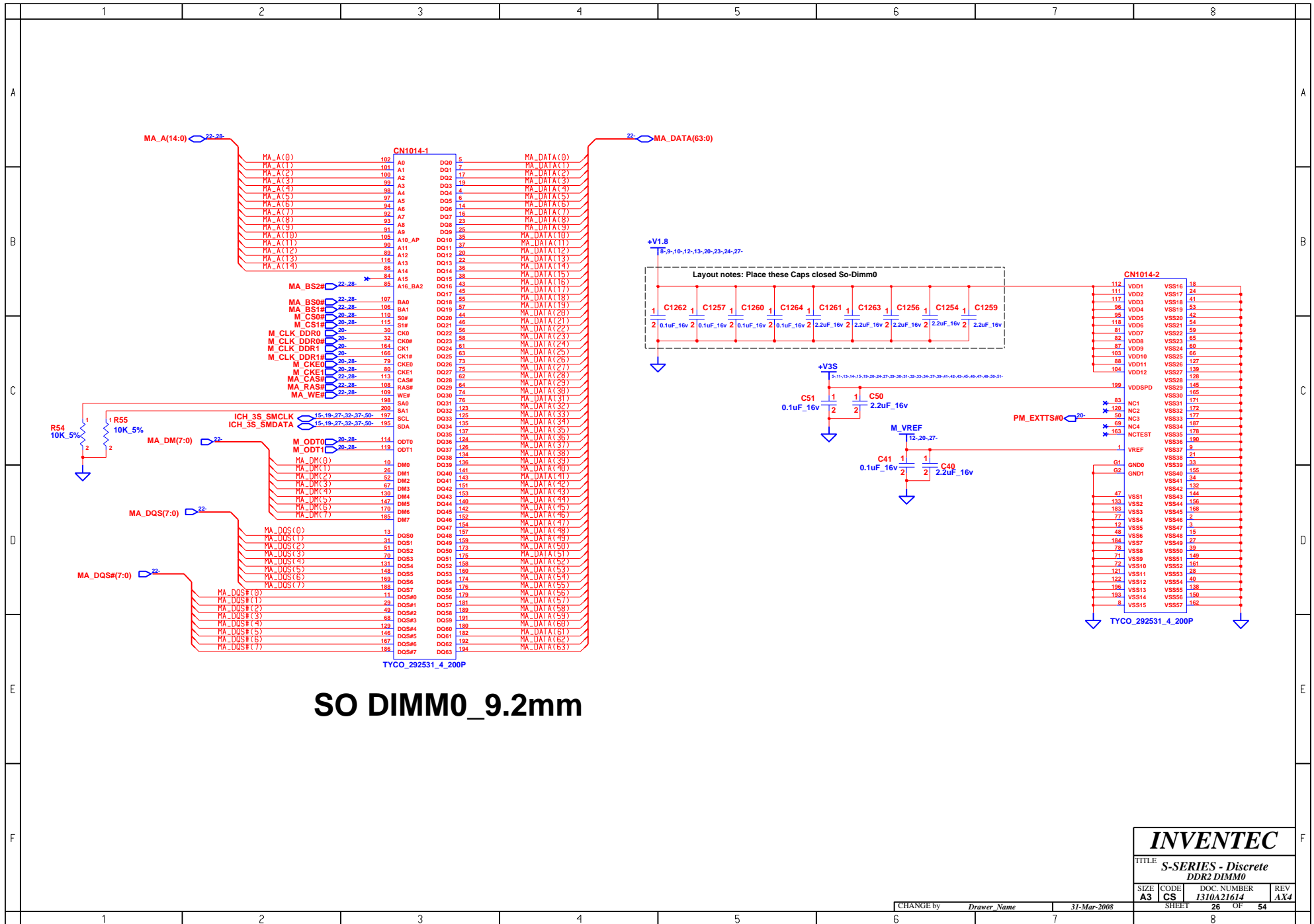
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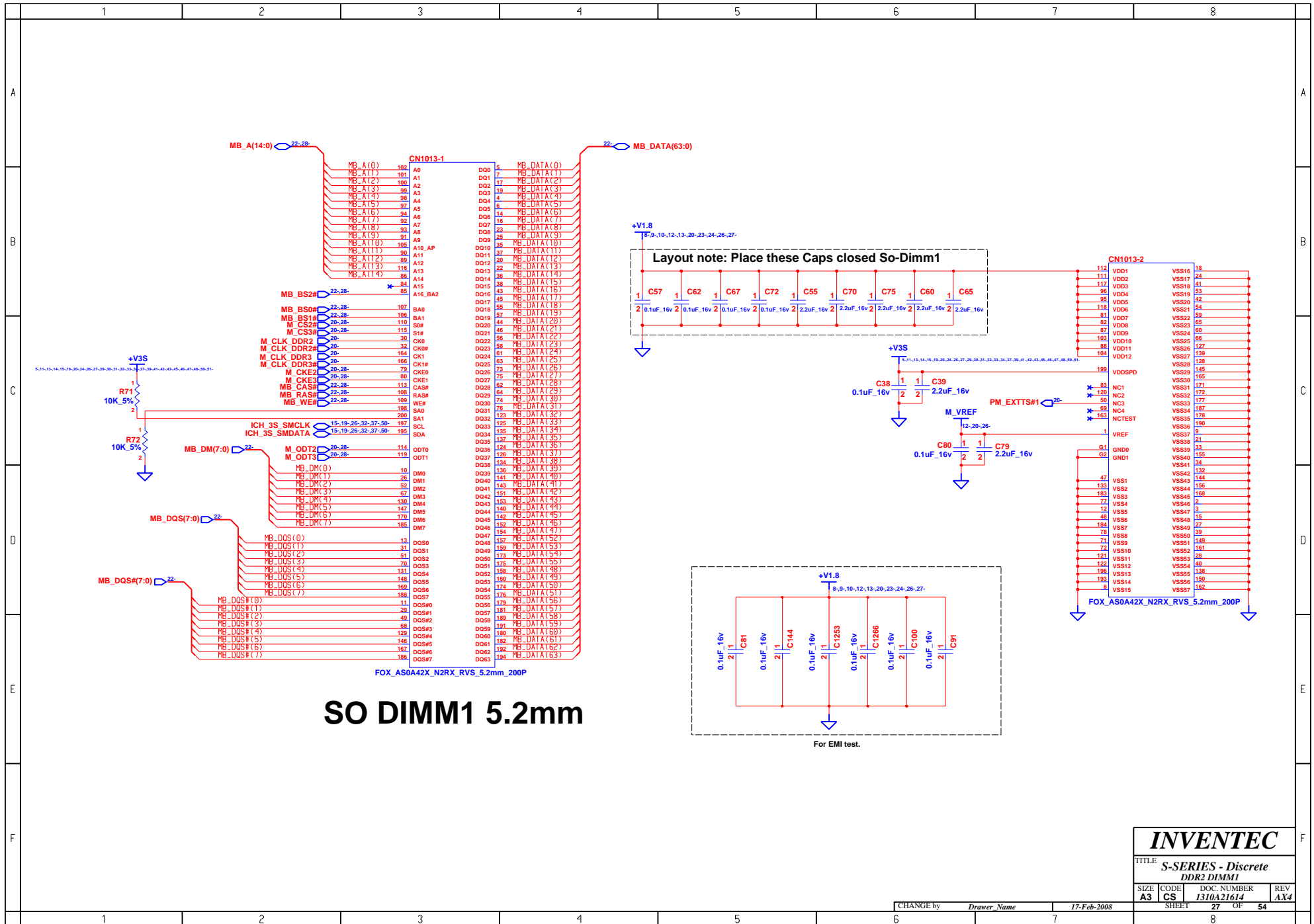
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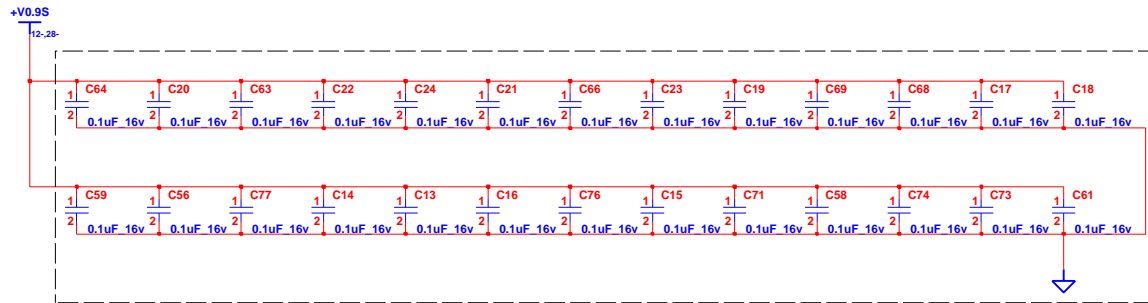
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S-SERIES - Discrete
DDR2 DIMM0

| SIZE | CODE | DOC. NUMBER | REV |
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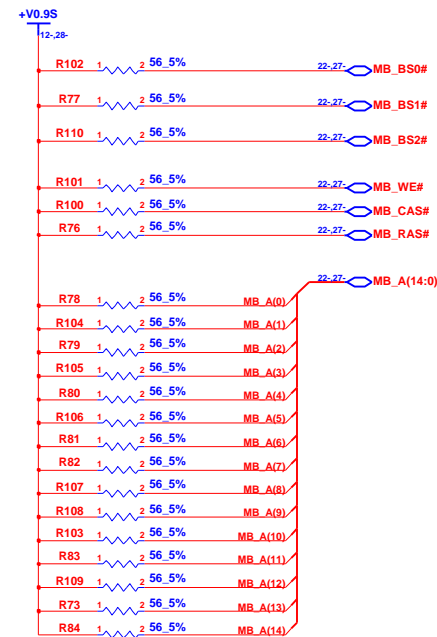
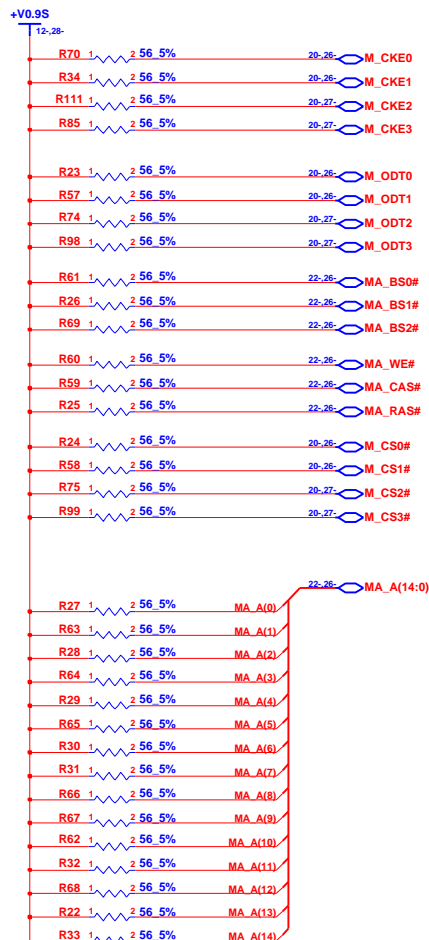
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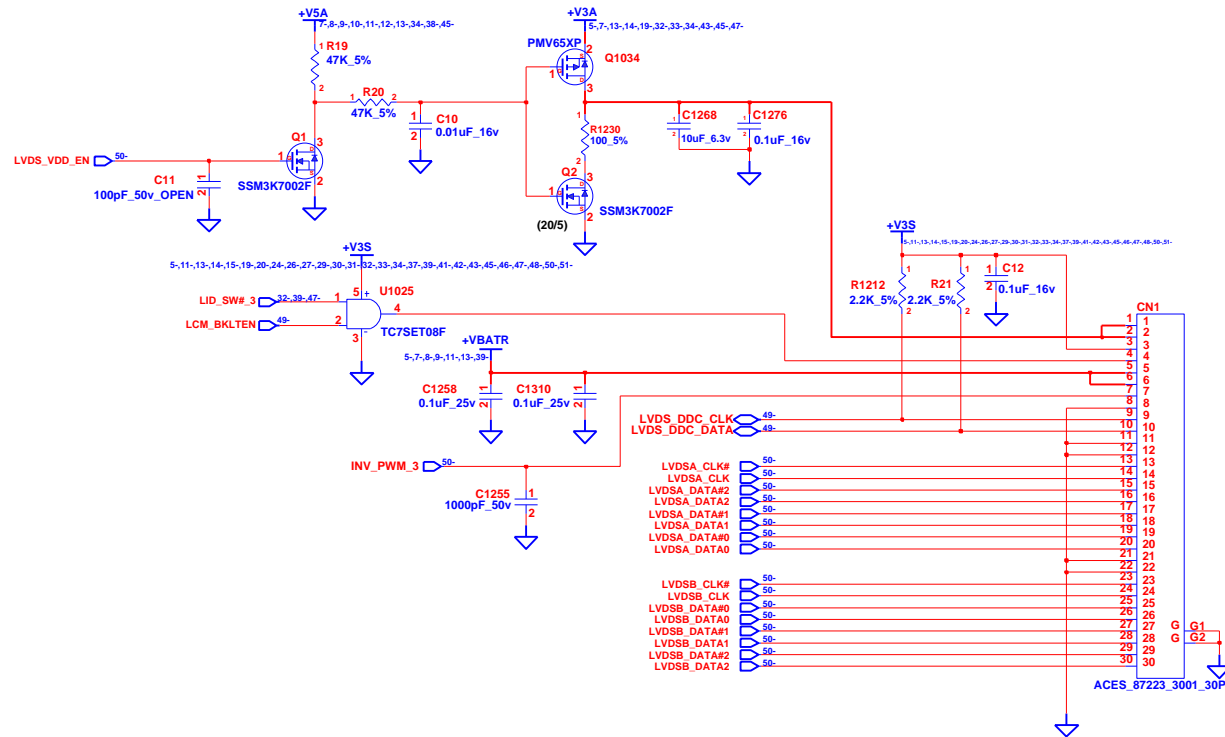
Layout notes : Place one Cap close to every 2 pull up resistor terminated to +V0.9S.



| INVENTEC | | | |
|---|-------------------|----------------------------------|-------------------|
| TITLE S-SERIES - Discrete DDR2 Damping | | | |
| SIZE A3 | CODE CS | DOC. NUMBER I310A21614 | REV A01 |
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CHANGE by *Drawer Name* 27-Sep-2003

Place closed to connector

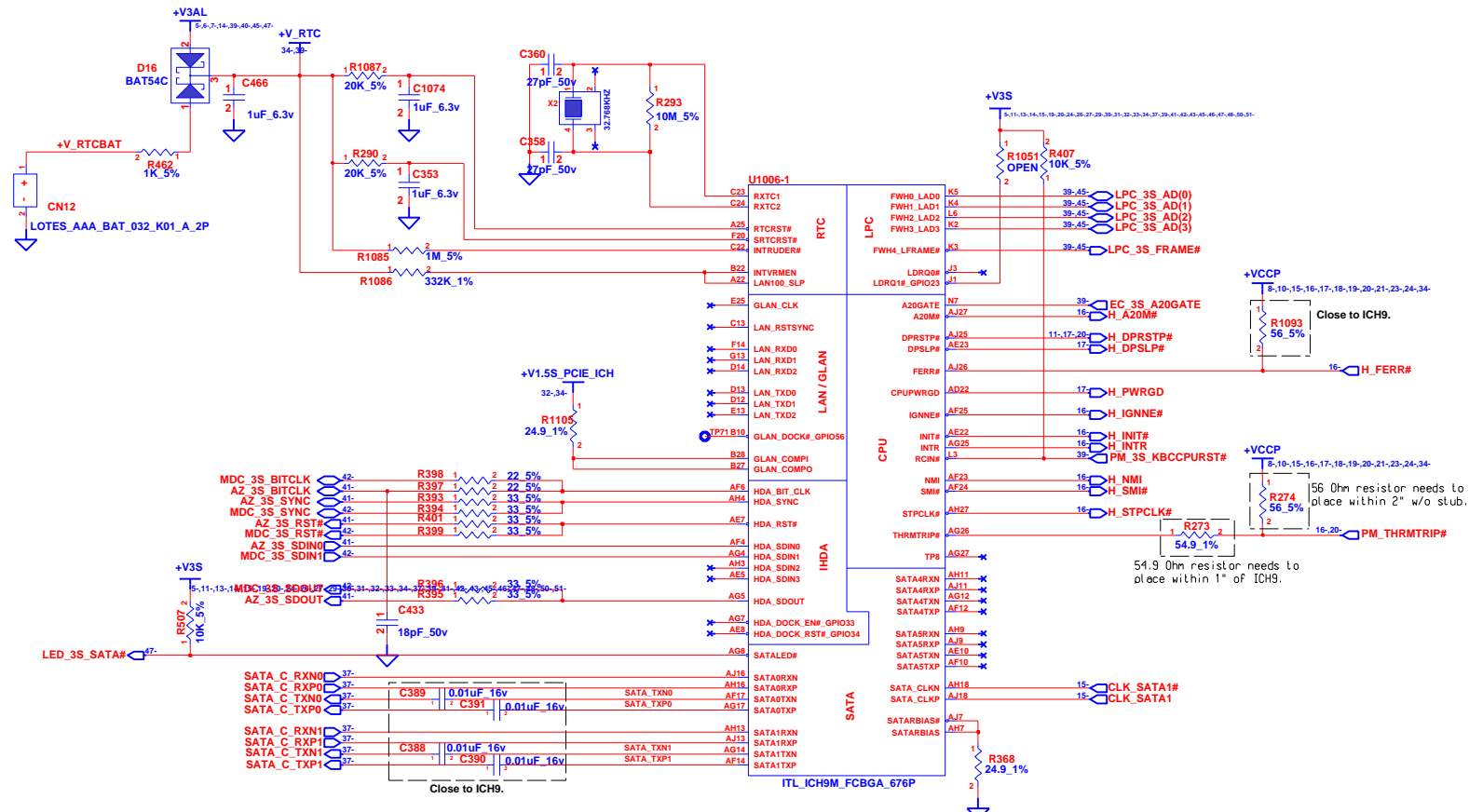
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| | |
|-------|--|
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| SIZE A3 | CODE CS | DOC. NUMBER <i>1310A21614</i> | REV <i>A01</i> |
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| CHANGE by | <i>Drawer_Name</i> | 31-Mar-2008 |
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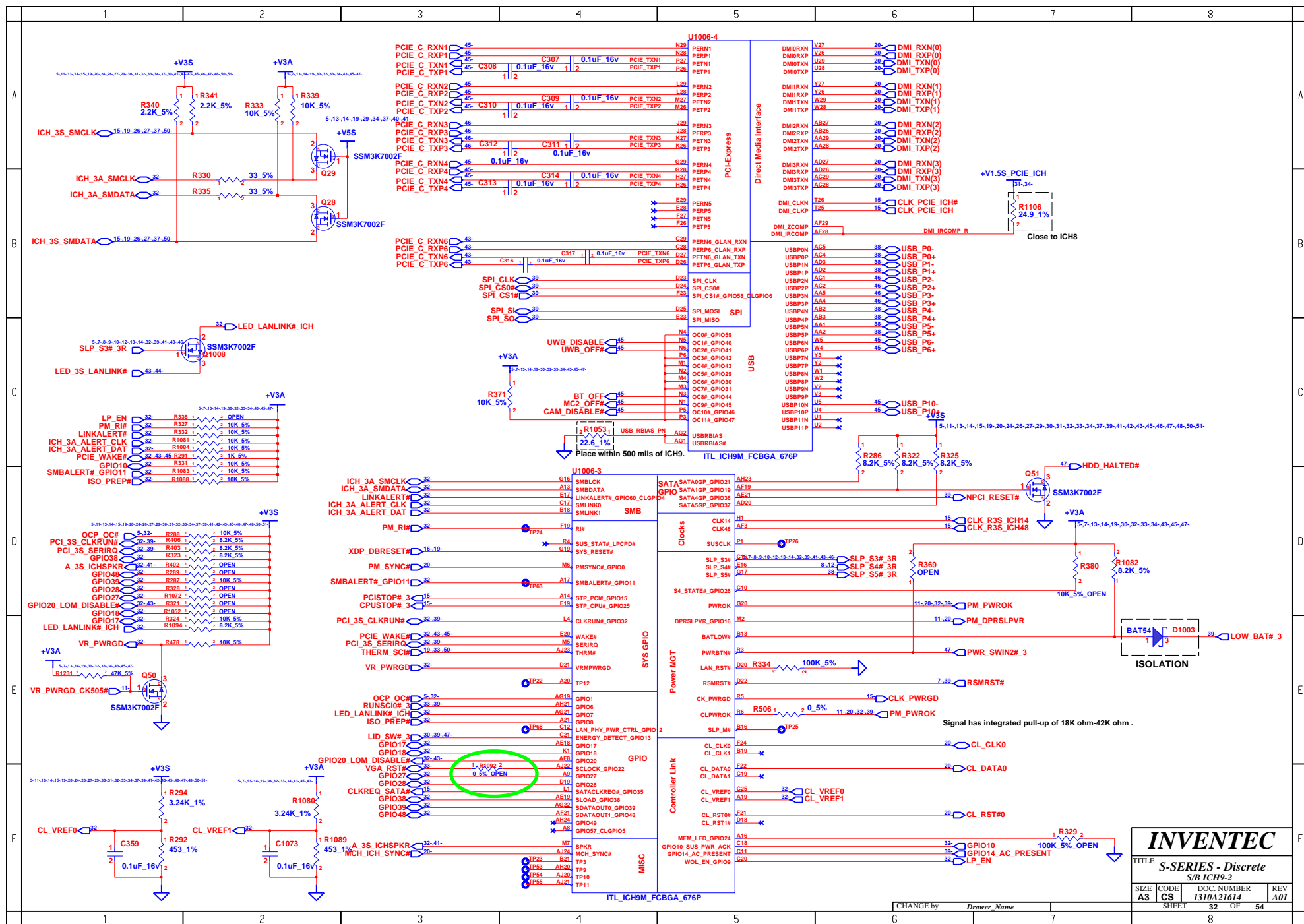
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S/B ICH9-1

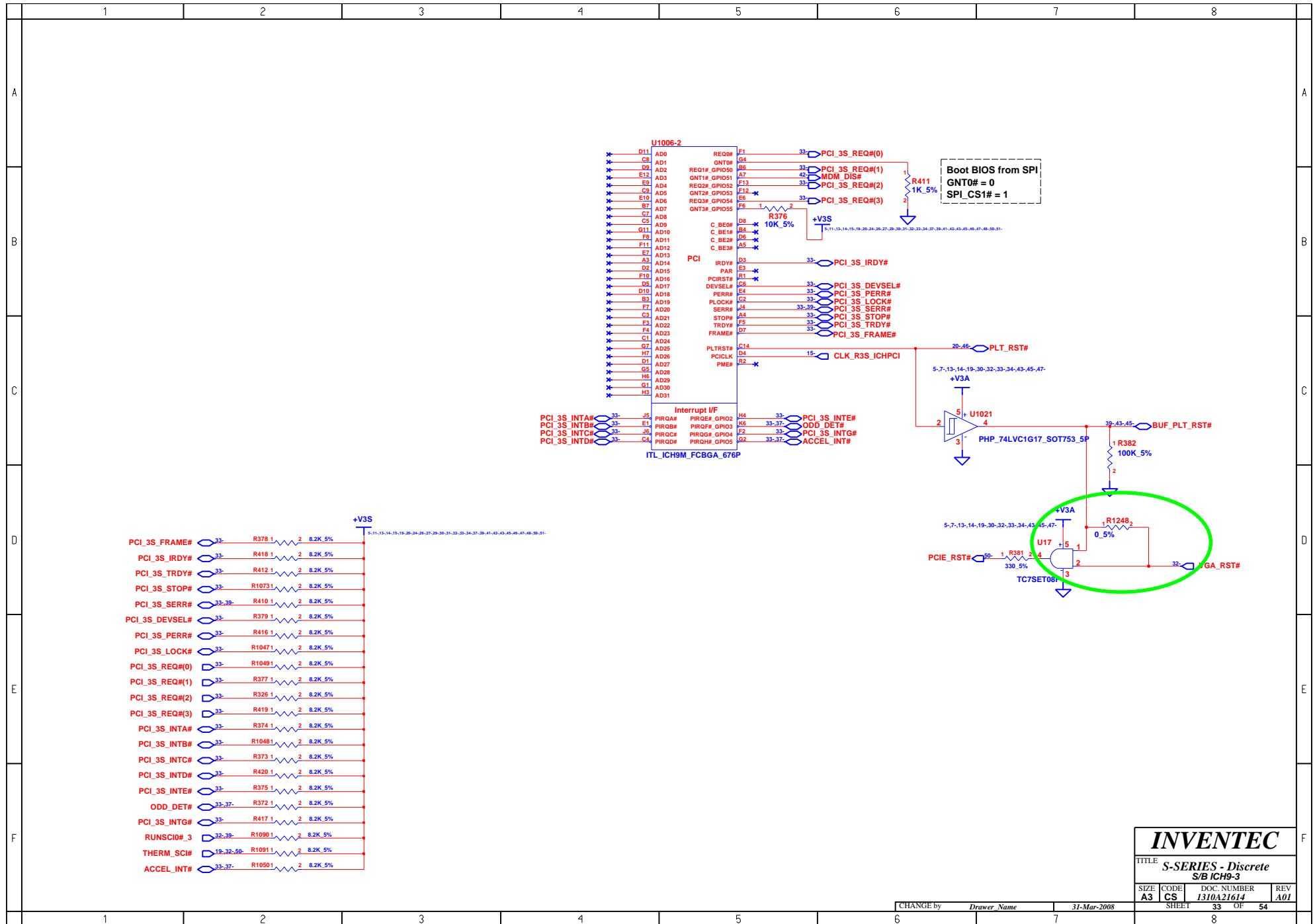
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SHEET: **31** OF **54**



| INVENTEC | | | |
|---------------------------------------|----------|-------------------------|----------|
| TITLE: S-SERIES - Discrete S/B ICH9-2 | | | |
| SIZE: A3 | CODE: CS | DOC. NUMBER: 1310A21614 | REV: A01 |
| SHEET: 32 | | OF: 54 | |



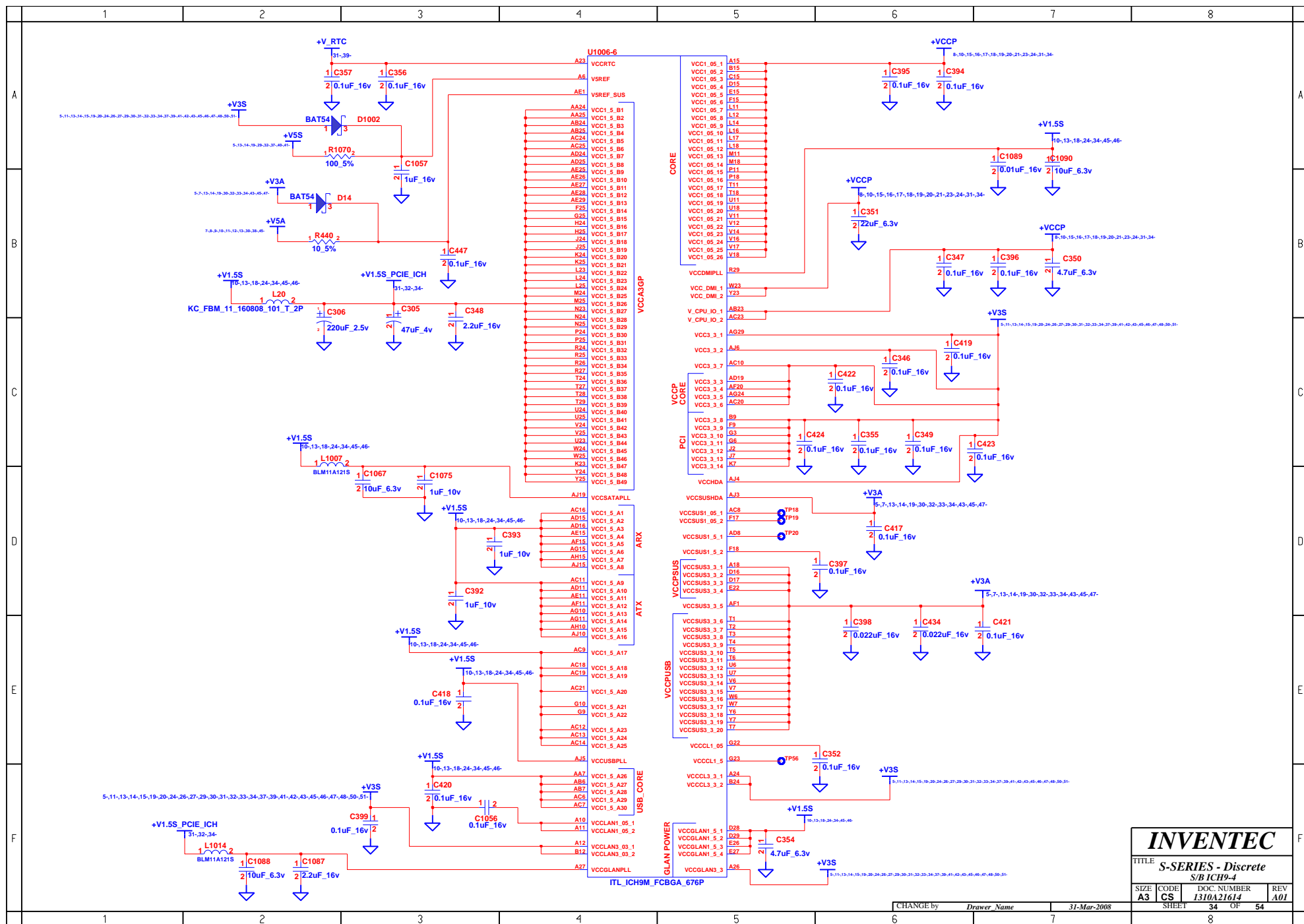
INVENTEC

TITLE
S-SERIES - Discrete
S/B ICH9-3

| | | | |
|-------------------|-------------------|----------------------------------|-------------------|
| SIZE A3 | CODE CS | DOC. NUMBER 1310A21614 | REV A01 |
|-------------------|-------------------|----------------------------------|-------------------|

CHANGE by *Drawer Name* 31-Mar-2008

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INVENTEC

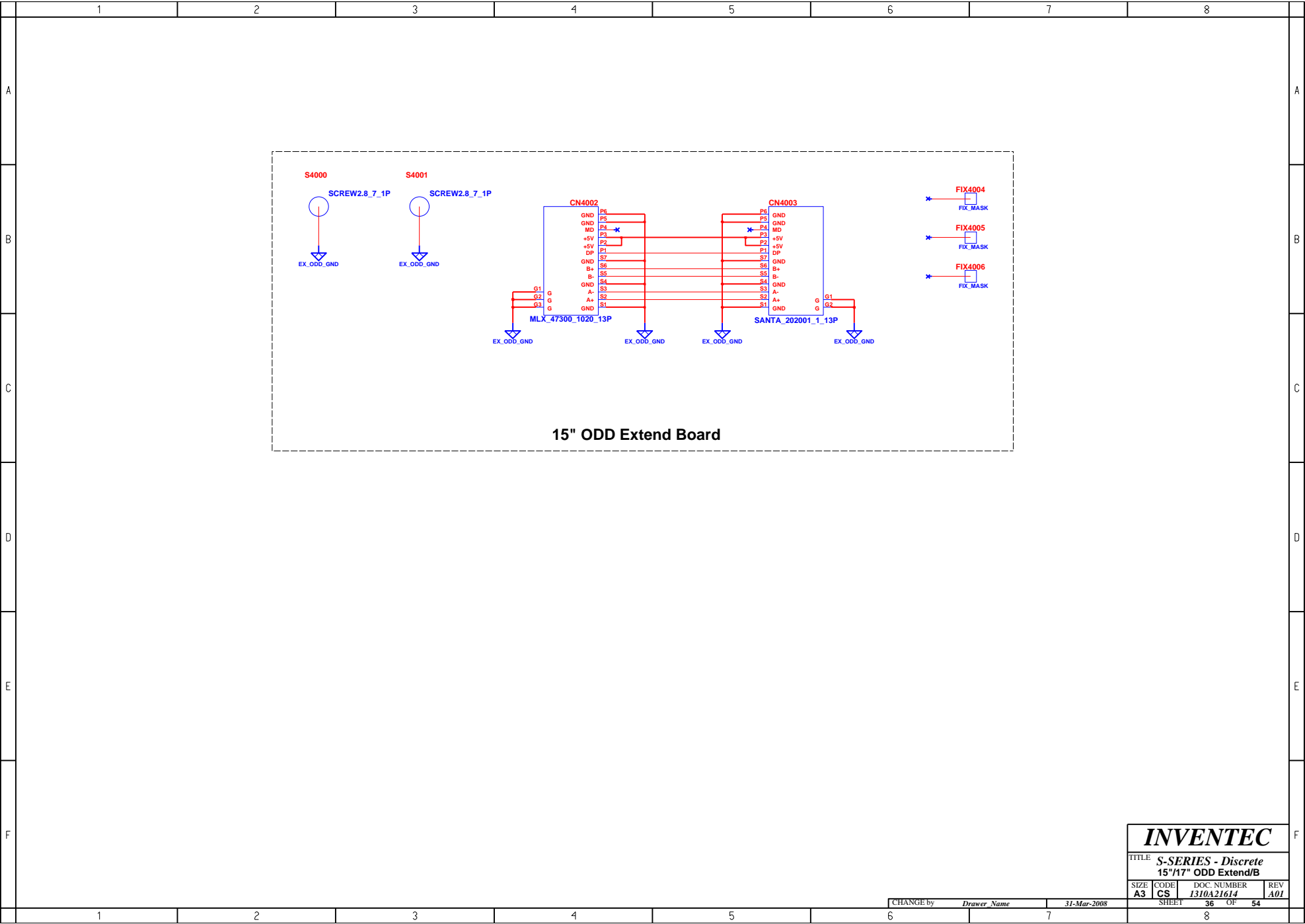
TITLE: **S-SERIES - Discrete**
S/B ICH9-4

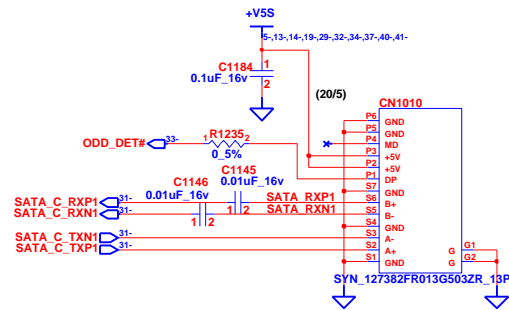
| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3 | CS | 1310A21614 | A01 |

CHANGE by: *Drawer Name* 31-Mar-2008

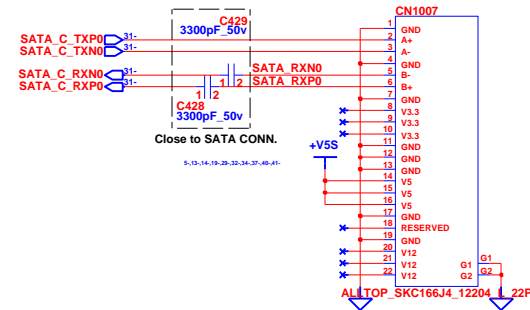
SHEET 34 OF 54

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|----------------------|----------------|--------------|-------------|-------------|
| A | | | | U1006-5 | | | | |
| B | | | | AA26 VSS001 | H5 VSS107 | | | |
| | | | | AA27 VSS002 | VSS108 U23 | | | |
| | | | | AA3 VSS003 | VSS109 J26 | | | |
| | | | | AA6 VSS004 | VSS110 J27 | | | |
| | | | | AB1 VSS005 | VSS111 AC22 | | | |
| | | | | AA23 VSS006 | VSS112 K28 | | | |
| | | | | AB28 VSS007 | VSS113 K29 | | | |
| | | | | AB29 VSS008 | VSS114 L13 | | | |
| | | | | AB4 VSS009 | VSS115 L15 | | | |
| | | | | AB5 VSS010 | VSS116 L2 | | | |
| | | | | AC17 VSS011 | VSS117 L26 | | | |
| | | | | AC26 VSS012 | VSS118 L27 | | | |
| | | | | AC27 VSS013 | VSS119 L5 | | | |
| | | | | AC3 VSS014 | VSS120 L7 | | | |
| | | | | AD1 VSS015 | VSS121 M12 | | | |
| | | | | AD10 VSS016 | VSS122 M13 | | | |
| | | | | AD12 VSS017 | VSS123 M14 | | | |
| | | | | AD13 VSS018 | VSS124 M15 | | | |
| | | | | AD14 VSS019 | VSS125 M16 | | | |
| | | | | AD17 VSS020 | VSS126 M17 | | | |
| | | | | AD18 VSS021 | VSS127 M23 | | | |
| | | | | AD21 VSS022 | VSS128 M28 | | | |
| | | | | AD28 VSS023 | VSS129 M29 | | | |
| | | | | AD29 VSS024 | VSS130 N11 | | | |
| | | | | AD4 VSS025 | VSS131 N12 | | | |
| | | | | AD5 VSS026 | VSS132 N13 | | | |
| | | | | AD6 VSS027 | VSS133 N14 | | | |
| | | | | AD7 VSS028 | VSS134 N15 | | | |
| | | | | AD9 VSS029 | VSS135 N16 | | | |
| | | | | AE12 VSS030 | VSS136 N17 | | | |
| | | | | AE13 VSS031 | VSS137 N18 | | | |
| | | | | AE14 VSS032 | VSS138 N26 | | | |
| | | | | AE16 VSS033 | VSS139 N27 | | | |
| | | | | AE17 VSS034 | VSS140 P12 | | | |
| | | | | AE2 VSS035 | VSS141 P13 | | | |
| | | | | AE20 VSS036 | VSS142 P14 | | | |
| | | | | AE24 VSS037 | VSS143 P15 | | | |
| | | | | AE3 VSS038 | VSS144 P16 | | | |
| | | | | AE4 VSS039 | VSS145 P17 | | | |
| | | | | AE6 VSS040 | VSS146 P2 | | | |
| | | | | AE9 VSS041 | VSS147 P23 | | | |
| | | | | AF13 VSS042 | VSS148 P28 | | | |
| | | | | AF16 VSS043 | VSS149 P29 | | | |
| | | | | AF18 VSS044 | VSS150 P4 | | | |
| | | | | AF22 VSS045 | VSS151 P7 | | | |
| | | | | AH26 VSS046 | VSS152 R11 | | | |
| | | | | AF26 VSS047 | VSS153 R12 | | | |
| | | | | AF27 VSS048 | VSS154 R13 | | | |
| | | | | AF5 VSS049 | VSS155 R14 | | | |
| | | | | AF7 VSS050 | VSS156 R15 | | | |
| | | | | AF9 VSS051 | VSS157 R16 | | | |
| | | | | AG13 VSS052 | VSS158 R17 | | | |
| | | | | AG16 VSS053 | VSS159 R18 | | | |
| | | | | AG18 VSS054 | VSS160 R28 | | | |
| | | | | AG20 VSS055 | VSS161 T12 | | | |
| | | | | AG23 VSS056 | VSS162 T13 | | | |
| | | | | AG3 VSS057 | VSS163 T14 | | | |
| | | | | AG6 VSS058 | VSS164 T15 | | | |
| | | | | AG9 VSS059 | VSS165 T16 | | | |
| | | | | AH12 VSS060 | VSS166 T17 | | | |
| | | | | AH14 VSS061 | VSS167 T23 | | | |
| | | | | AH17 VSS062 | VSS168 U12 | | | |
| | | | | AH19 VSS063 | VSS169 U13 | | | |
| | | | | AH2 VSS064 | VSS170 U14 | | | |
| | | | | AH22 VSS065 | VSS171 U15 | | | |
| | | | | AH23 VSS066 | VSS172 U16 | | | |
| | | | | AH25 VSS067 | VSS173 U17 | | | |
| | | | | AH5 VSS068 | VSS174 U17 | | | |
| | | | | AH8 VSS069 | VSS175 U23 | | | |
| | | | | AJ12 VSS070 | VSS176 U24 | | | |
| | | | | AJ14 VSS071 | VSS177 U27 | | | |
| | | | | AJ17 VSS072 | VSS178 U3 | | | |
| | | | | AJ8 VSS073 | VSS179 V1 | | | |
| | | | | B11 VSS074 | VSS180 V13 | | | |
| | | | | B14 VSS075 | VSS181 V15 | | | |
| | | | | B17 VSS076 | VSS182 V23 | | | |
| | | | | B2 VSS077 | VSS183 V28 | | | |
| | | | | B20 VSS078 | VSS184 V4 | | | |
| | | | | B23 VSS079 | VSS185 V5 | | | |
| | | | | B6 VSS080 | VSS186 W23 | | | |
| | | | | B8 VSS081 | VSS187 W27 | | | |
| | | | | C26 VSS082 | VSS188 W3 | | | |
| | | | | C27 VSS083 | VSS189 Y1 | | | |
| | | | | E11 VSS084 | VSS190 Y28 | | | |
| | | | | E14 VSS085 | VSS191 Y29 | | | |
| | | | | E18 VSS086 | VSS192 Y4 | | | |
| | | | | E2 VSS087 | VSS193 Y5 | | | |
| | | | | E41 VSS088 | VSS194 AG28 | | | |
| | | | | E44 VSS089 | VSS195 AH6 | | | |
| | | | | E5 VSS090 | VSS196 AF2 | | | |
| | | | | E8 VSS091 | VSS197 B25 | | | |
| | | | | F18 VSS092 | VSS198 | | | |
| | | | | F28 VSS093 | VSS199 | | | |
| | | | | F29 VSS094 | VSS NCTF1 A1 | 48- ICHGND1 | | |
| | | | | G12 VSS095 | VSS NCTF2 A2 | | | |
| | | | | G14 VSS096 | VSS NCTF3 A28 | | | |
| | | | | G18 VSS097 | VSS NCTF4 A29 | 48- ICHGND4 | | |
| | | | | G21 VSS098 | VSS NCTF5 AH1 | | | |
| | | | | G24 VSS099 | VSS NCTF6 AH29 | | | |
| | | | | G26 VSS100 | VSS NCTF7 AJ2 | 48- ICHGND7 | | |
| | | | | G27 VSS101 | VSS NCTF8 AJ28 | | | |
| | | | | G8 VSS102 | VSS NCTF9 B1 | | | |
| | | | | H2 VSS103 | VSS NCTF10 B29 | 48- ICHGND10 | | |
| | | | | H23 VSS104 | VSS NCTF11 | | | |
| | | | | H28 VSS105 | VSS NCTF12 | | | |
| | | | | H29 VSS106 | | | | |
| | | | | ITL_ICH9M_FCBGA_676P | | | | |
| F | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | | | | CHANGE by | Drawer Name | 31-Mar-2008 |
| | | | | | | SIZE | CODE | DOC. NUMBER |
| | | | | | | A3 | CS | 1310A21614 |
| | | | | | | | | REV |
| | | | | | | | | A01 |
| | | | | | | SHEET | 35 | OF 54 |
| | | | | | | | | 8 |

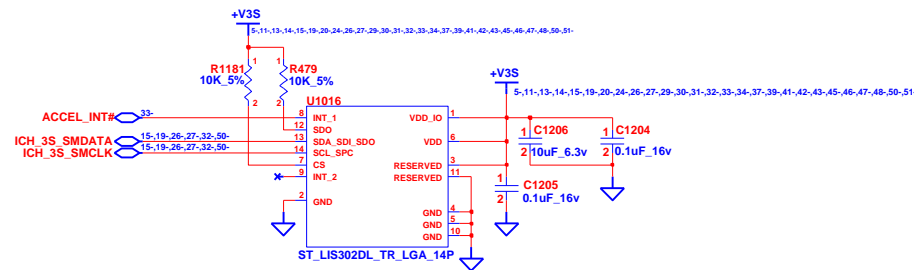




SATA ODD



SATA HDD



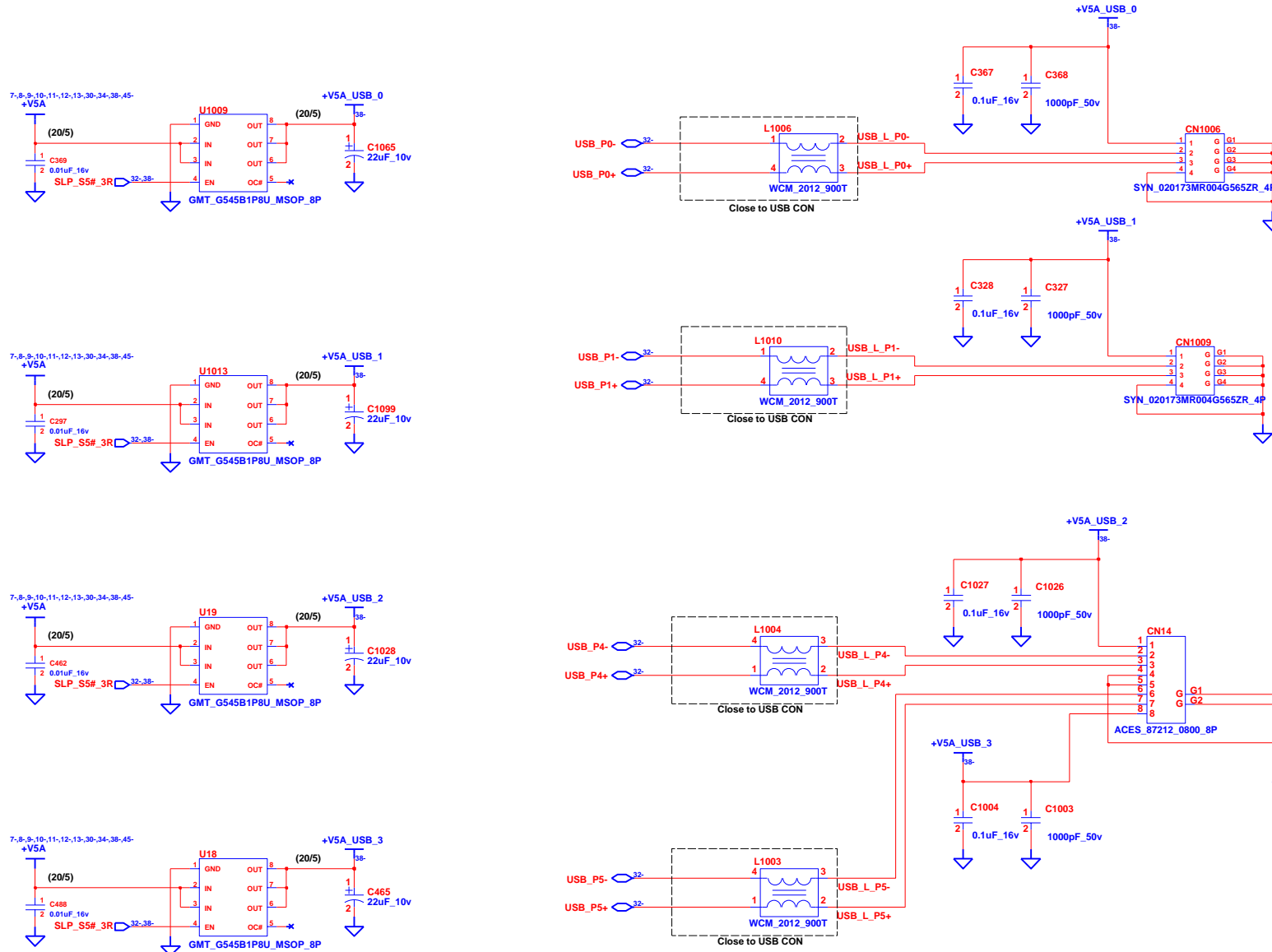
Accelerometer

INVENTEC

TITLE
S-SERIES - Discrete
HDD & ODD CONN & Accelerometer
SIZE CODE DOC. NUMBER REV
A3 CS 1310A21614 A01

CHANGE by Drawer Name 31-Mar-2008

SHEET 37 OF 54



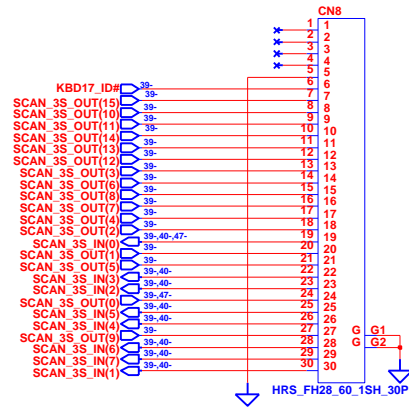
INVENTEC

TITLE
S-SERIES - Discrete
USB CONN

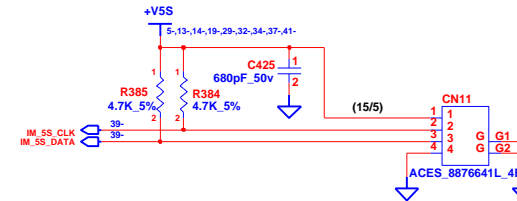
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|------------|------------|---------------------------|------------|
| SIZE A3 | CODE CS | DOC. NUMBER 1310A21614 | REV A01 |
|------------|------------|---------------------------|------------|

CHANGE by *Drawer Name* 31-Mar-2008

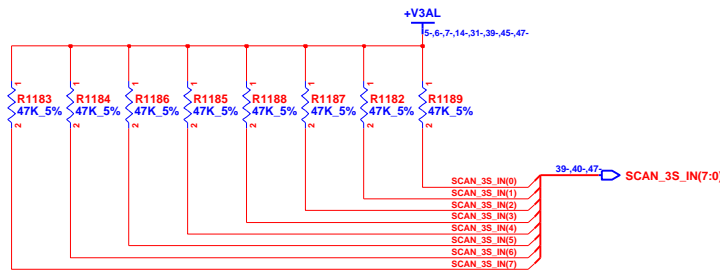
SHEET 38 OF 54



KEYBOARD CONN



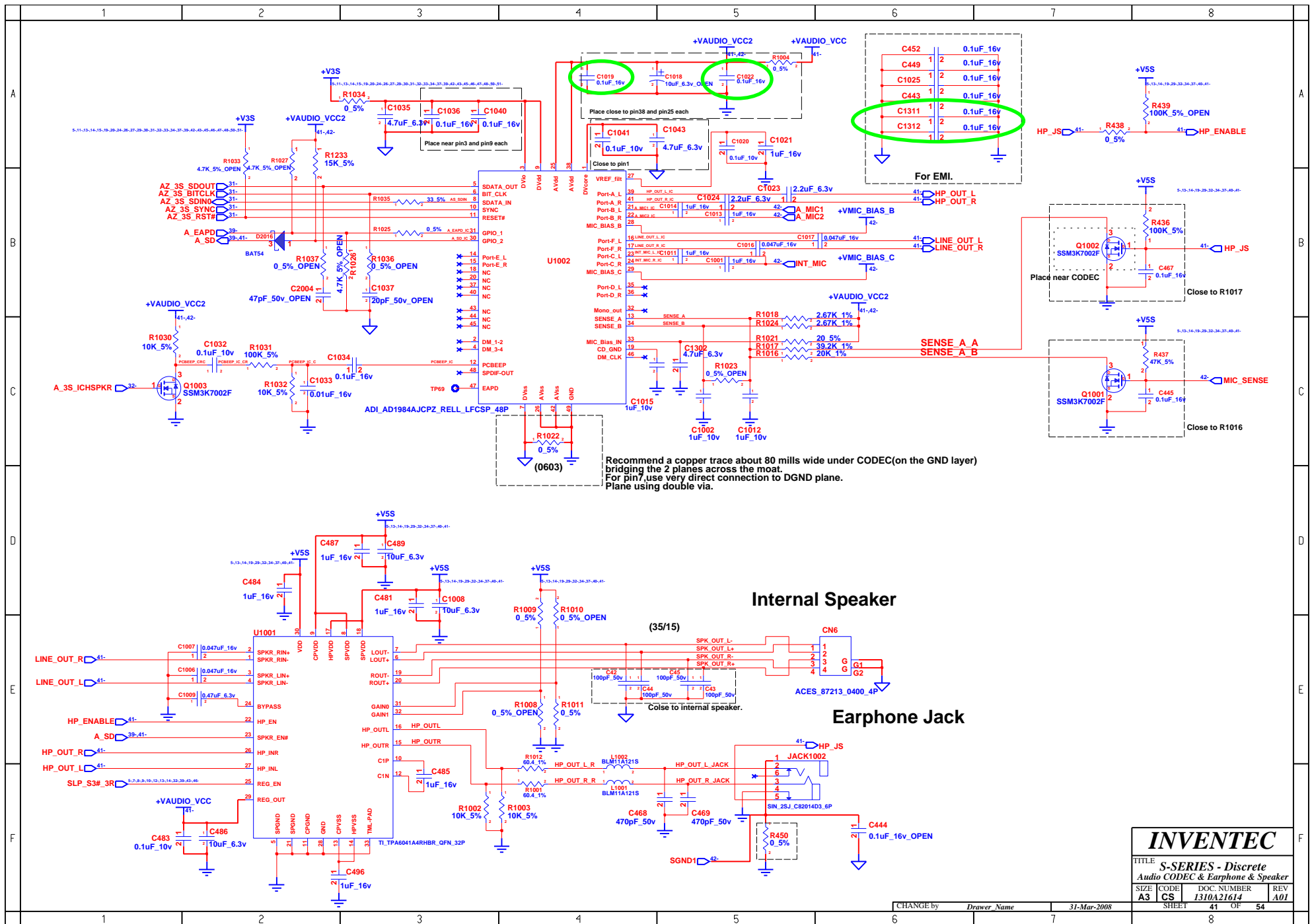
TOUCH PAD CONN



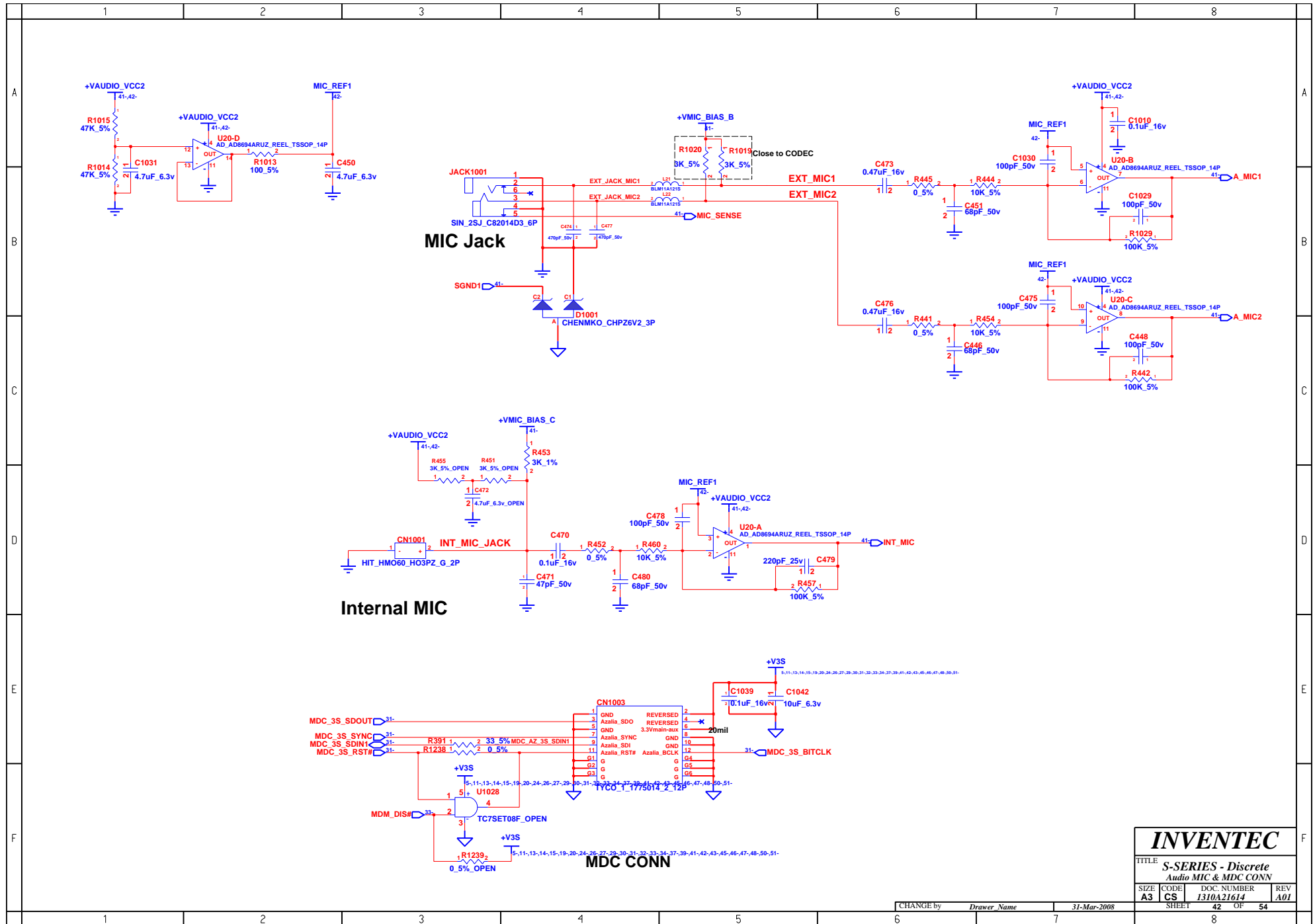
| INVENTEC | | | |
|--------------------------|------|-------------|-----|
| TITLE | | | |
| S-SERIES - Discrete | | | |
| Keyboard & TouchPad CONN | | | |
| SIZE | CODE | DOC. NUMBER | REV |
| A3 | CS | 1310A21614 | A01 |

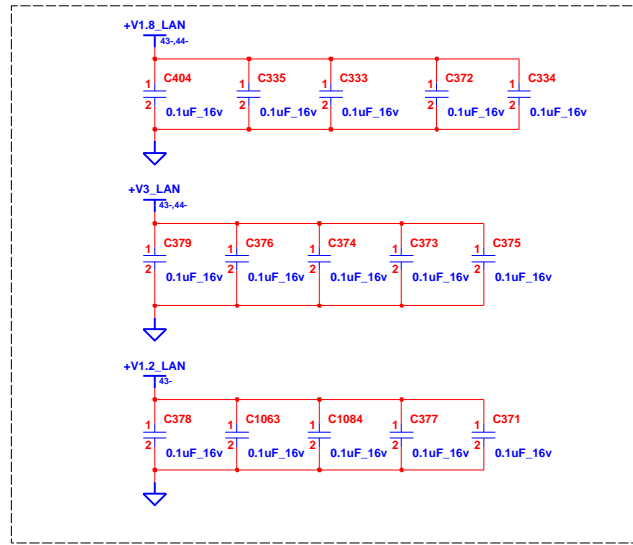
CHANGE by *Drawer Name* 31-Mar-2008

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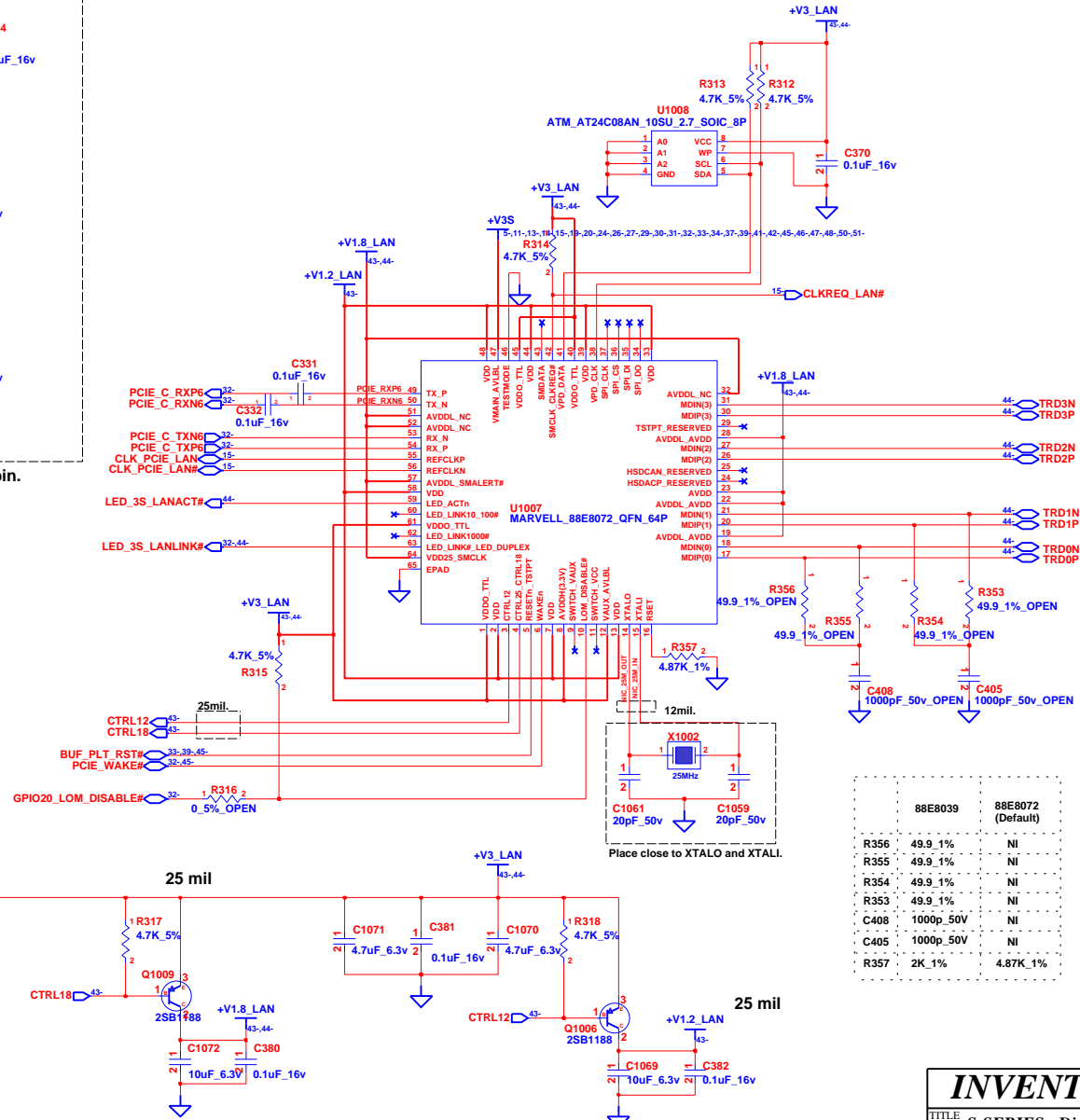


| INVENTEC | | | |
|----------------------------------|------|-------------|-------------|
| TITLE | | | |
| S-SERIES - Discrete | | | |
| Audio CODEC & Earphone & Speaker | | | |
| SIZE | CODE | DOC. NUMBER | REV |
| A3 | CS | 1310A21614 | A01 |
| CHANGE by | | Drawer Name | 31-Mar-2008 |
| SHEET | | 41 | OF 54 |





Place bypass cap as close as possible with every power pin.



| | 88E8039 | 88E8072 (Default) |
|------|-----------|-------------------|
| R356 | 49.9_1% | NI |
| R355 | 49.9_1% | NI |
| R354 | 49.9_1% | NI |
| R353 | 49.9_1% | NI |
| C408 | 1000p_50V | NI |
| C405 | 1000p_50V | NI |
| R357 | 2K_1% | 4.87K_1% |

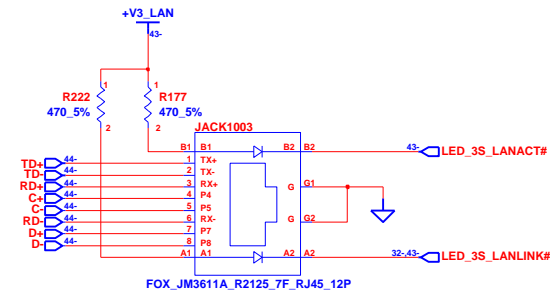
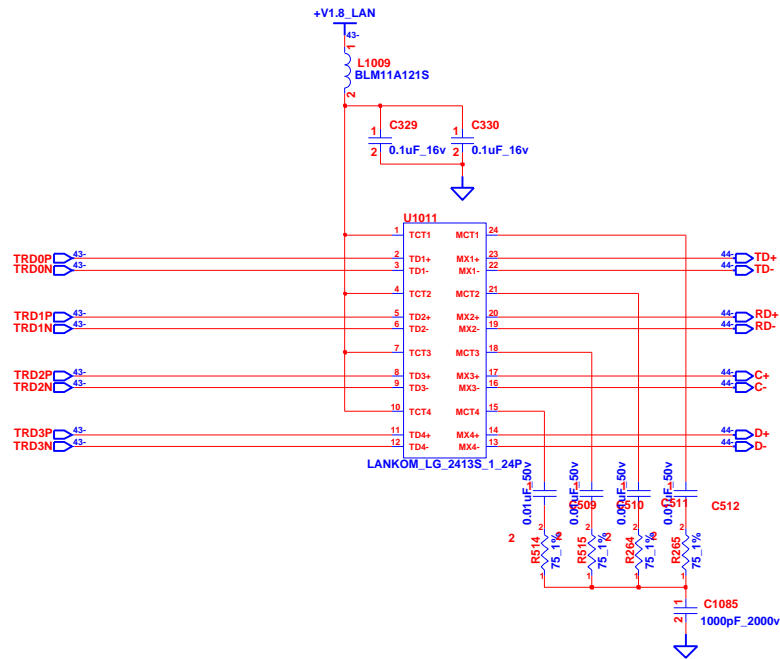
INVENTEC

TITLE: S-SERIES - Discrete
Giga LAN Controller

| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3 | CS | 1310A21614 | A01 |

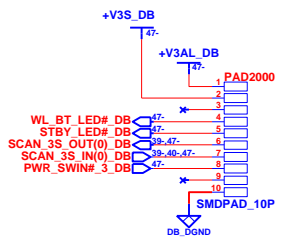
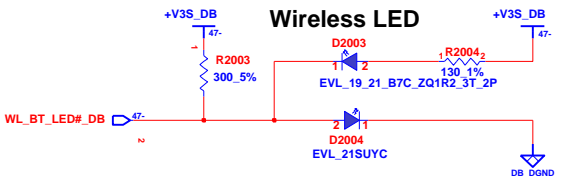
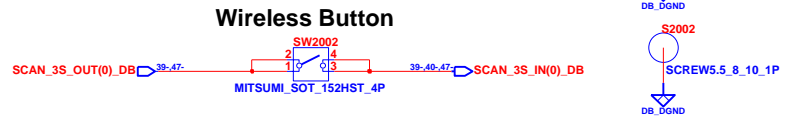
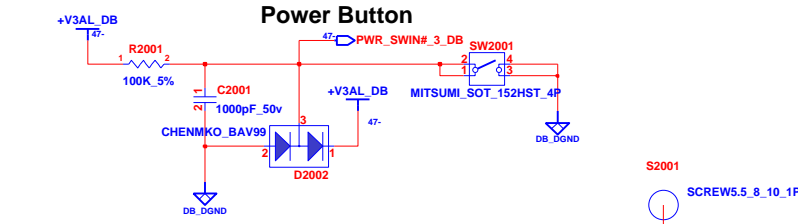
CHANGE by: Drawer Name 31-Mar-2008

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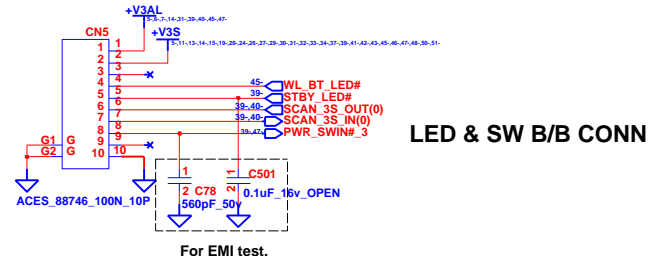
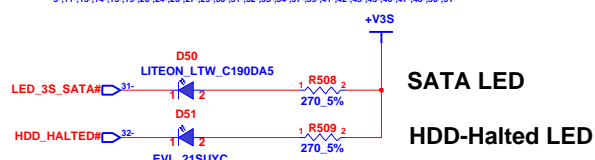
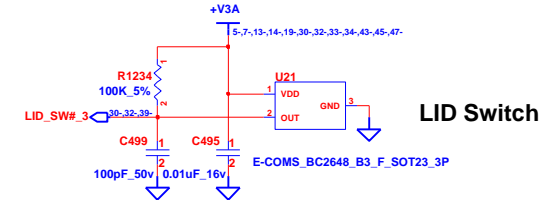
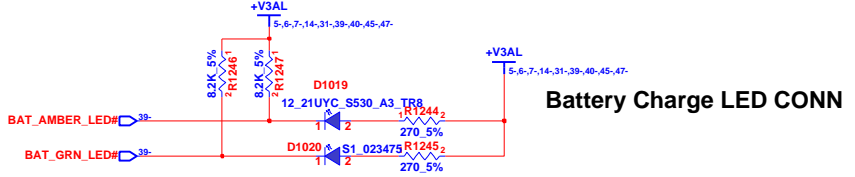
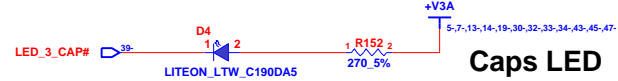


| INVENTEC | | | |
|--|------|-------------|-----|
| TITLE | | | |
| S-SERIES - Discrete Magnetic & RJ45 CONN | | | |
| SIZE | CODE | DOC. NUMBER | REV |
| A3 | CS | 1310A21614 | A01 |
| SHEET | | | |
| 44 OF 54 | | | |

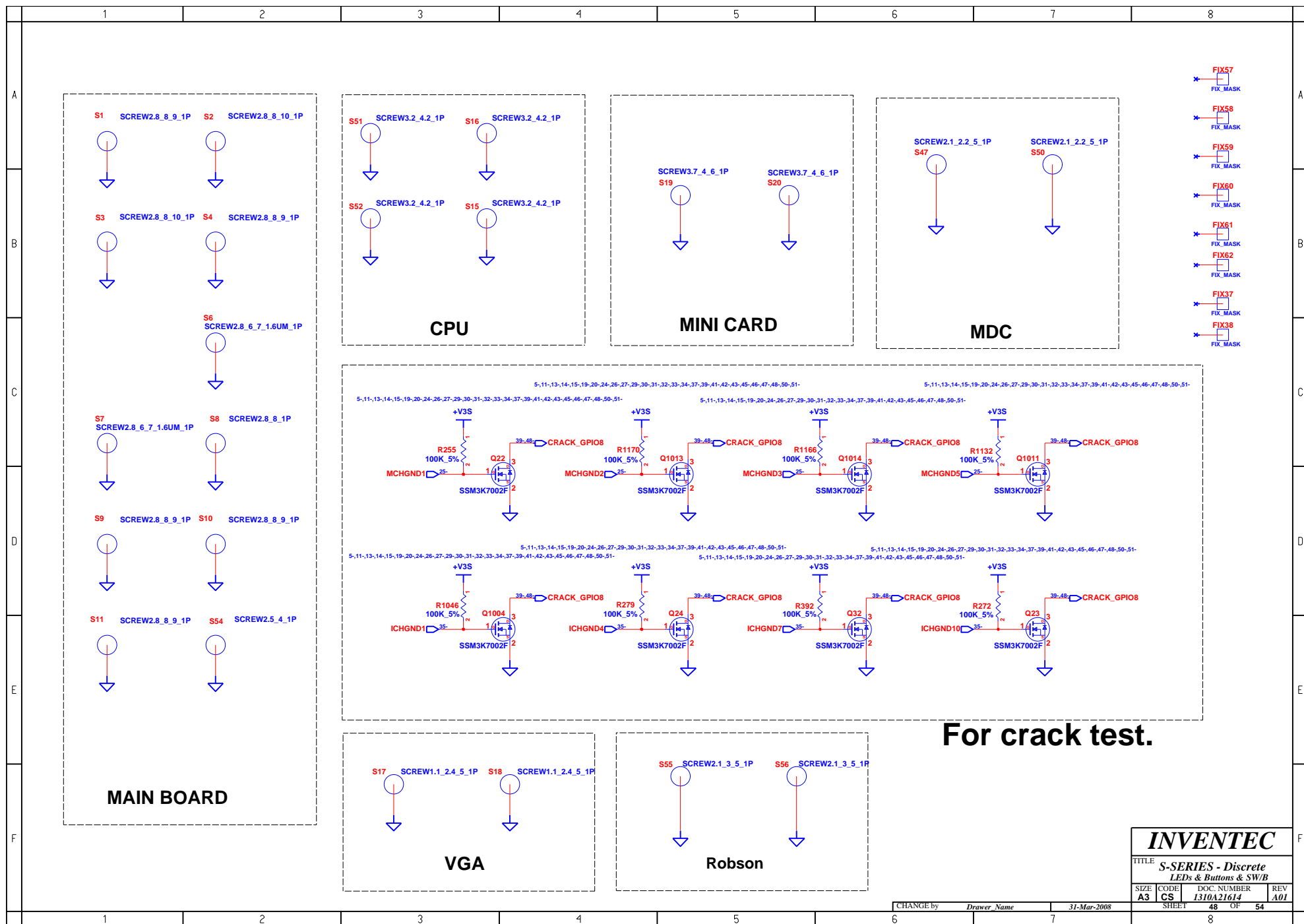
CHANGE by *Drawer Name* 31-Mar-2008

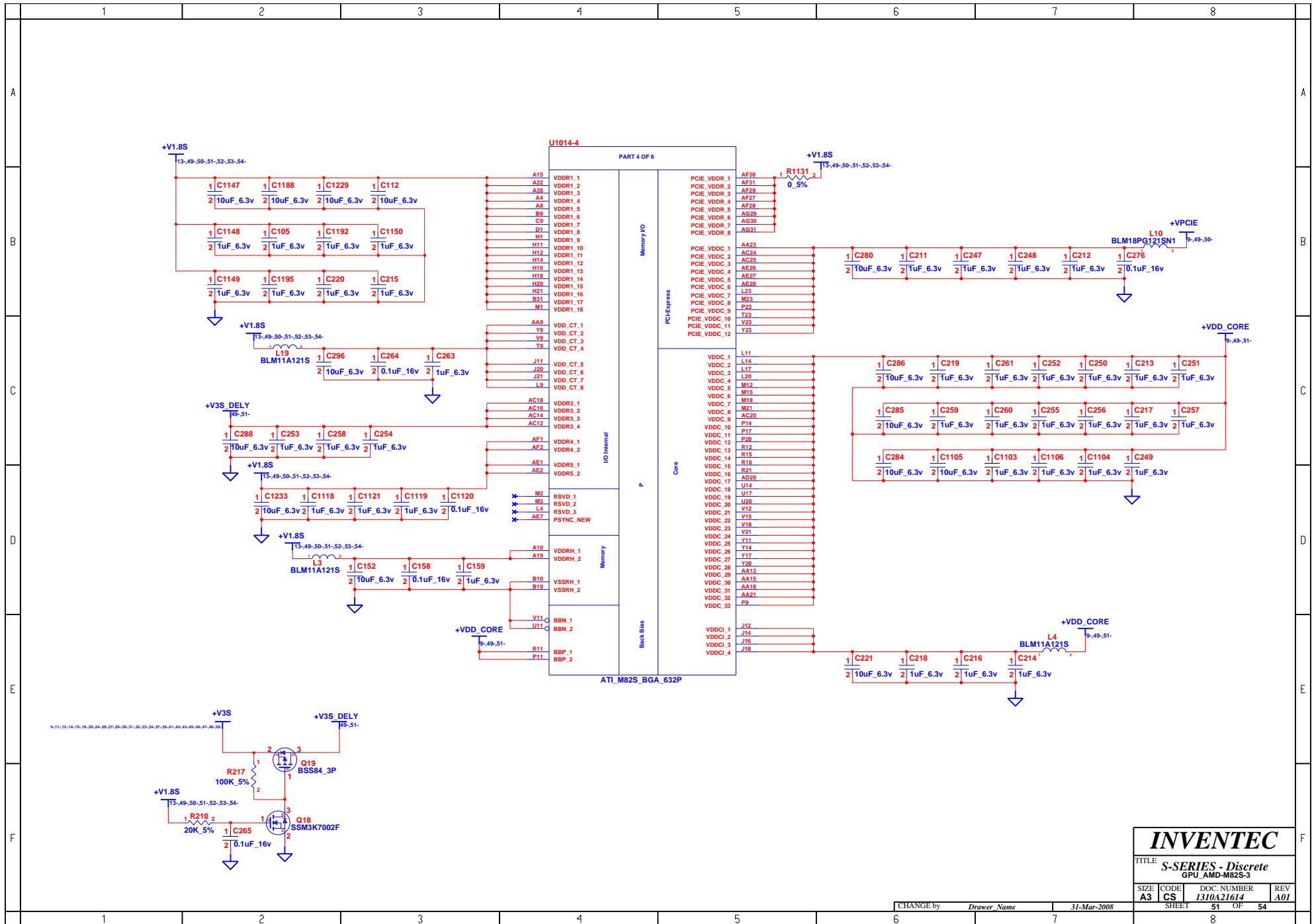


LED & SW Board



| INVENTEC | | | |
|--|----------|-------------------------|----------|
| TITLE: S-SERIES - Discrete LEDs & Buttons & SW/B | | | |
| SIZE: A3 | CODE: CS | DOC. NUMBER: 1310A21614 | REV: A01 |





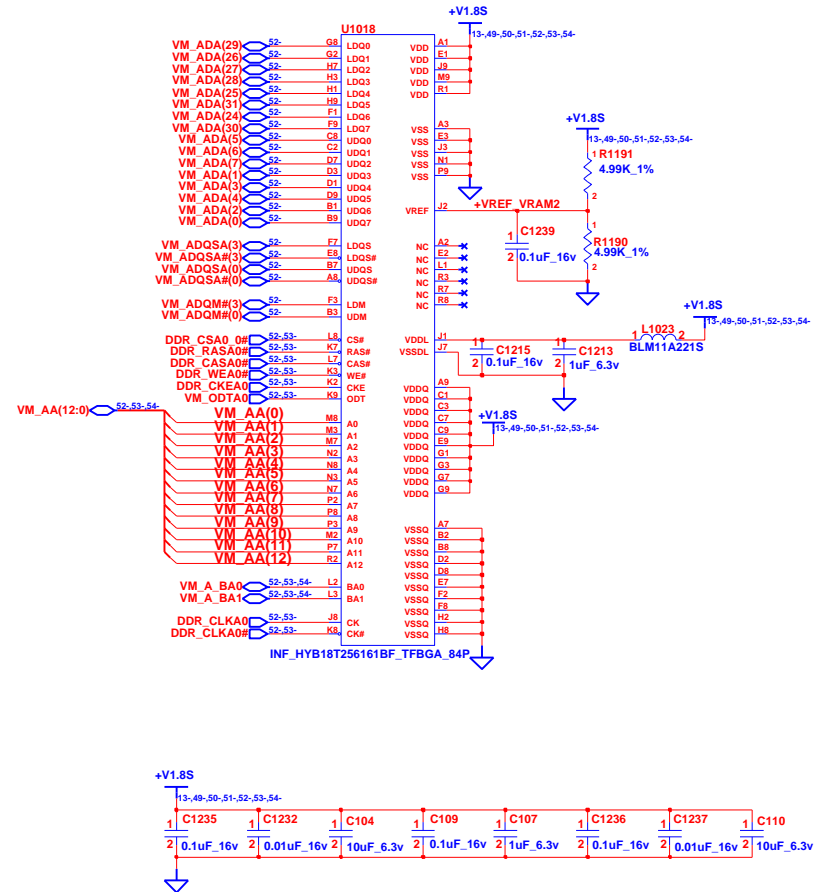
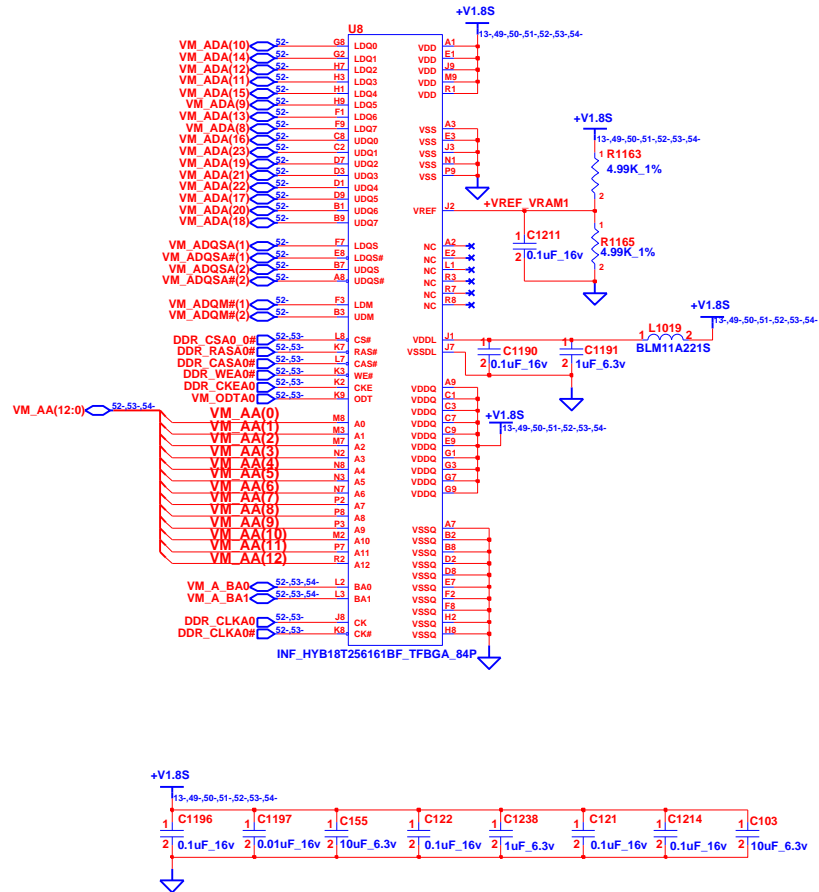
INVENTEC

TITLE
S-SERIES - Discrete
GPU_AMD-M82S-3

SIZE CODE DOC. NUMBER REV
A3 CS 1310A21614 A01

CHANGE by *Drawer Name* 31-Mar-2008

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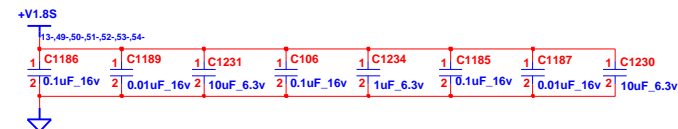
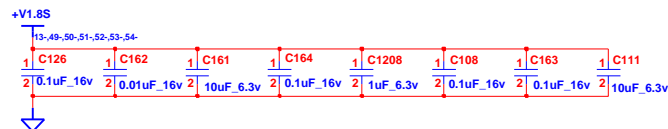
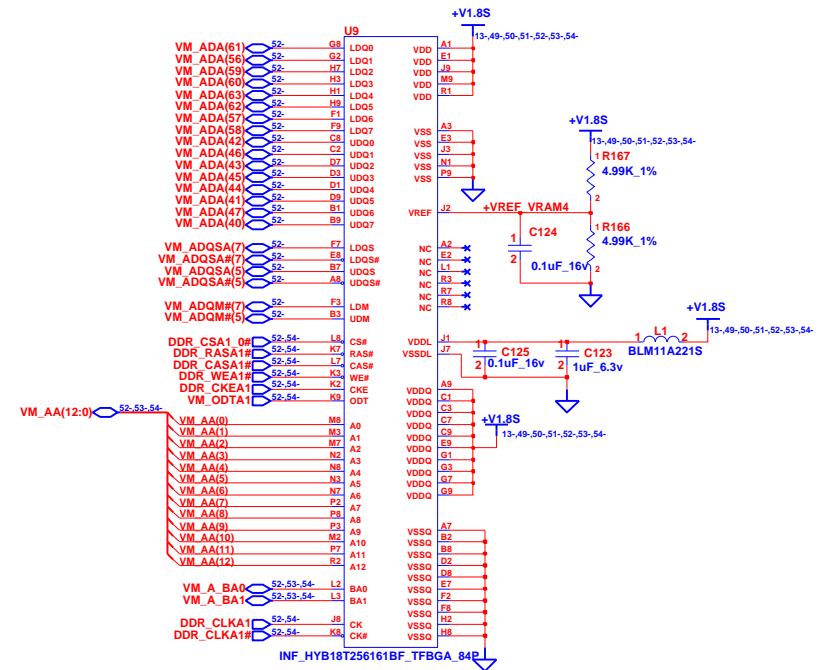
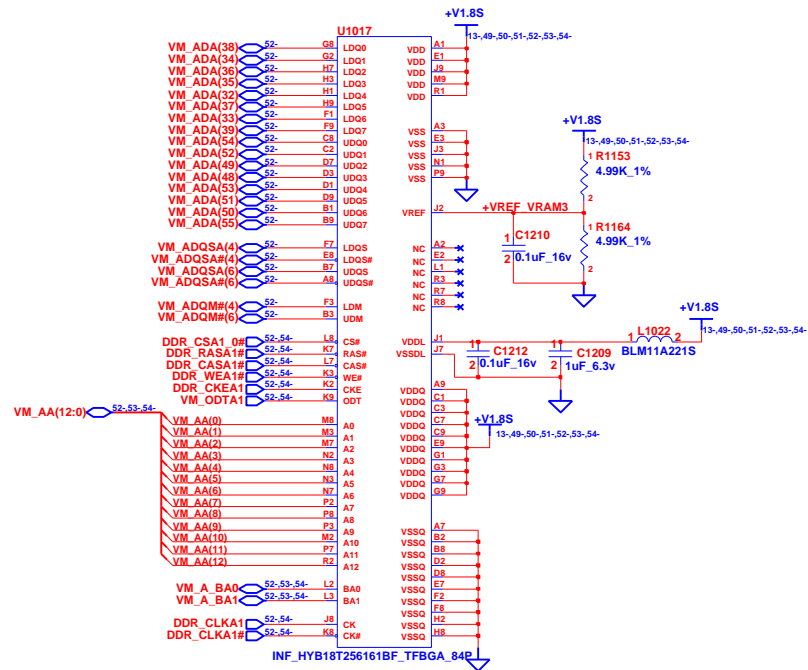
INVENTEC

TITLE
S-SERIES - Discrete
Video RAM (GDDR2) -1

| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3 | CS | I310A21614 | A01 |

CHANGE by *Drawer Name* 31-Mar-2008

SHEET 53 OF 54


INVENTEC

 TITLE
S-SERIES - Discrete
 Video RAM (GDDR2) -2

| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3 | CS | 1310A21614 | A01 |

 CHANGE by *Drawer Name* 31-Mar-2008

SHEET 54 OF 54