

**2008.04.02**

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

|                            |  |       |      |       |      |                                                                                               |
|----------------------------|--|-------|------|-------|------|-----------------------------------------------------------------------------------------------|
| DRAWER                     |  | EE    | DATE | POWER | DATE | <div>INVENTEC</div> <div>TITLE S-SERIES - Discrete</div>                                      |
| DESIGN                     |  |       |      |       |      |                                                                                               |
| CHECK                      |  |       |      |       |      |                                                                                               |
| RESPONSIBLE                |  |       |      |       |      |                                                                                               |
| SIZE = 3                   |  | VER : |      |       |      | <div>SIZE CODE DOC. NUMBER REV</div> <div>A3 CS 1310A21614 A01</div> <div>SHEET 1 OF 54</div> |
| FILE NAME : XXXX-XXXXXX-XX |  |       |      |       |      |                                                                                               |
| P/N : XXXXXXXXXX           |  |       |      |       |      |                                                                                               |

## Table Of Contents

| Page                                   | Page                     | Page                                       |
|----------------------------------------|--------------------------|--------------------------------------------|
| 5- DC & Battery Charger.               | 15- Clock Generator.     | 36- 15" ODD Extend/B.                      |
| 6- Select & Battery CONN.              | 16- CPU Penryn-1.        | 37- HDD & ODD CONN&Accelerometer.          |
| 7- System Power (+V3A/+V5A).           | 17- CPU Penryn-2.        | 38- USB CONN.                              |
| 8- System Power (+V1.8/+VCCP) .        | 18- CPU Penryn-3.        | 39- KBC & BIOS ROM.                        |
| 9- Graphic Power (+VDD_CORE & +VPCIE). | 19- XDP & Thermal & Fan. | 40- Internal Keyboard & TouchPad CONN.     |
| 10- System Power (+V1.5S) .            | 20- N/B Cantiga-1.       | 41- Audio CODEC & Earphone & Speaker.      |
| 11- CPU Power (+VCC_CORE).             | 21- N/B Cantiga-2.       | 42- Audio MIC & MDC CONN.                  |
| 12- DDR Termination Voltage(+V0.9S).   | 22- N/B Cantiga-3.       | 43- Giga LAN controller.                   |
| 13- Power (Sleep: +V5S/+V3S/+V1.8S).   | 23- N/B Cantiga-4.       | 44- Magnetic & RJ45 CONN.                  |
| 14- Power (Sequence).                  | 24- N/B Cantiga-5.       | 45- Mini Card(WLAN/Robson)/BT/UWB/Web-CAM. |
|                                        | 25- N/B Cantiga-6.       | 46- New Card & 4 in 1 Card (SD/MMC/MS/XD). |
|                                        | 26- DDR2-DIMM0.          | 47- LEDs & Buttons & SW/B.                 |
|                                        | 27- DDR2-DIMM1.          | 48- Screws / Crack testing circuit.        |
|                                        | 28- DDR2-DAMPING.        | 49- AMD M82SE-1.                           |
|                                        | 29- VGA CONN.            | 50- AMD M82SE-2.                           |
|                                        | 30- LCM CONN.            | 51- AMD M82SE-3.                           |
|                                        | 31- S/B ICH9-1.          | 52- AMD M82SE-4.                           |
|                                        | 32- S/B ICH9-2.          | 53- Video RAM-1 (GDDR2).                   |
|                                        | 33- S/B ICH9-3.          | 54- Video RAM-2 (GDDR2).                   |
|                                        | 34- S/B ICH9-4.          |                                            |
|                                        | 35- S/B ICH9-5.          |                                            |

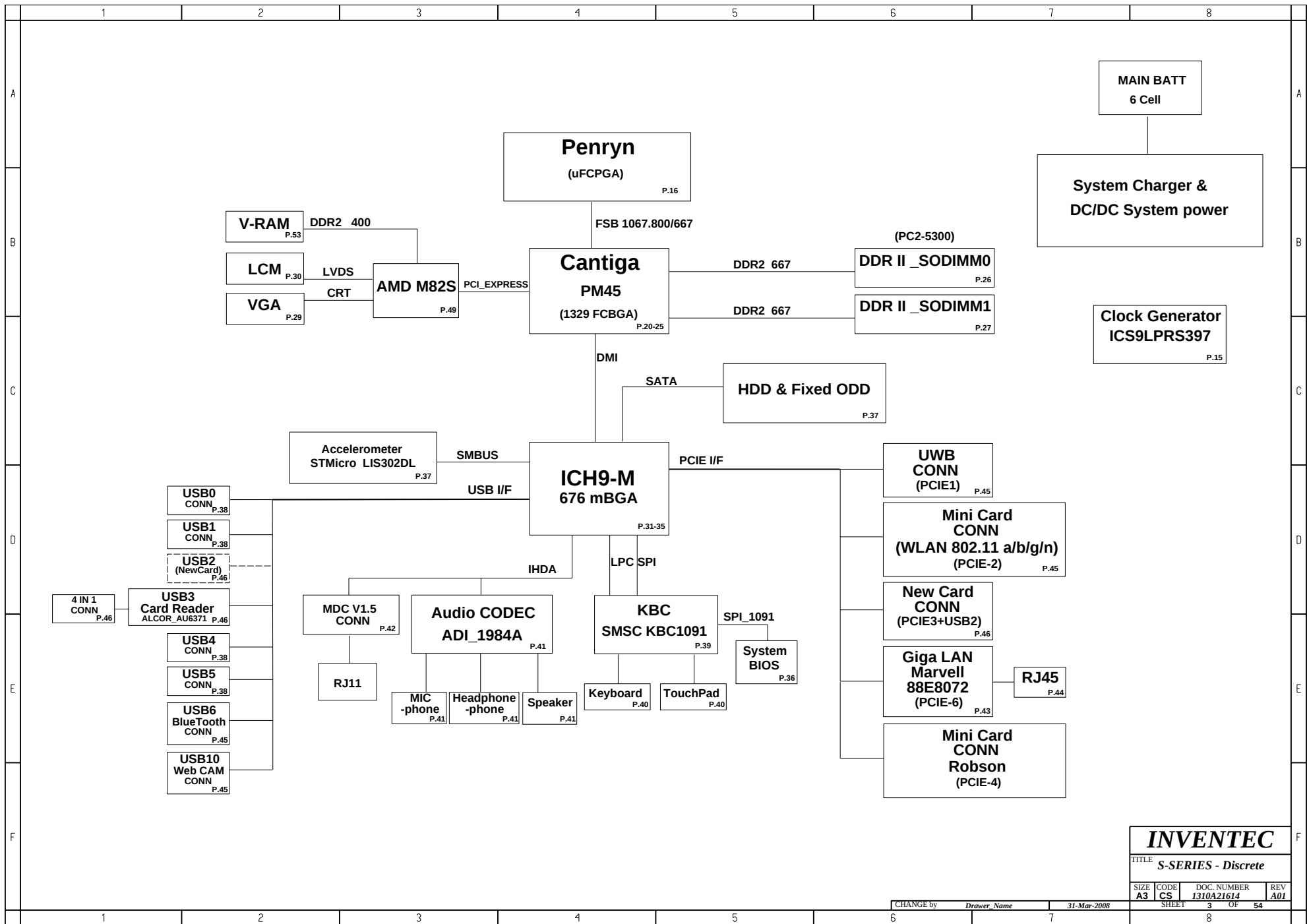
**INVENTEC**

TITLE **S-SERIES - Discrete**

|                   |                   |                                  |                   |
|-------------------|-------------------|----------------------------------|-------------------|
| SIZE<br><b>A3</b> | CODE<br><b>CS</b> | DOC. NUMBER<br><b>1310A21614</b> | REV<br><b>A01</b> |
|-------------------|-------------------|----------------------------------|-------------------|

CHANGE by *Drawn Name* 31-Mar-2008

SHEET 2 OF 54



**INVENTEC**

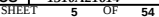
TITLE **S-SERIES - Discrete**

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

CHANGE by *Drawn Name* 31-Mar-2008

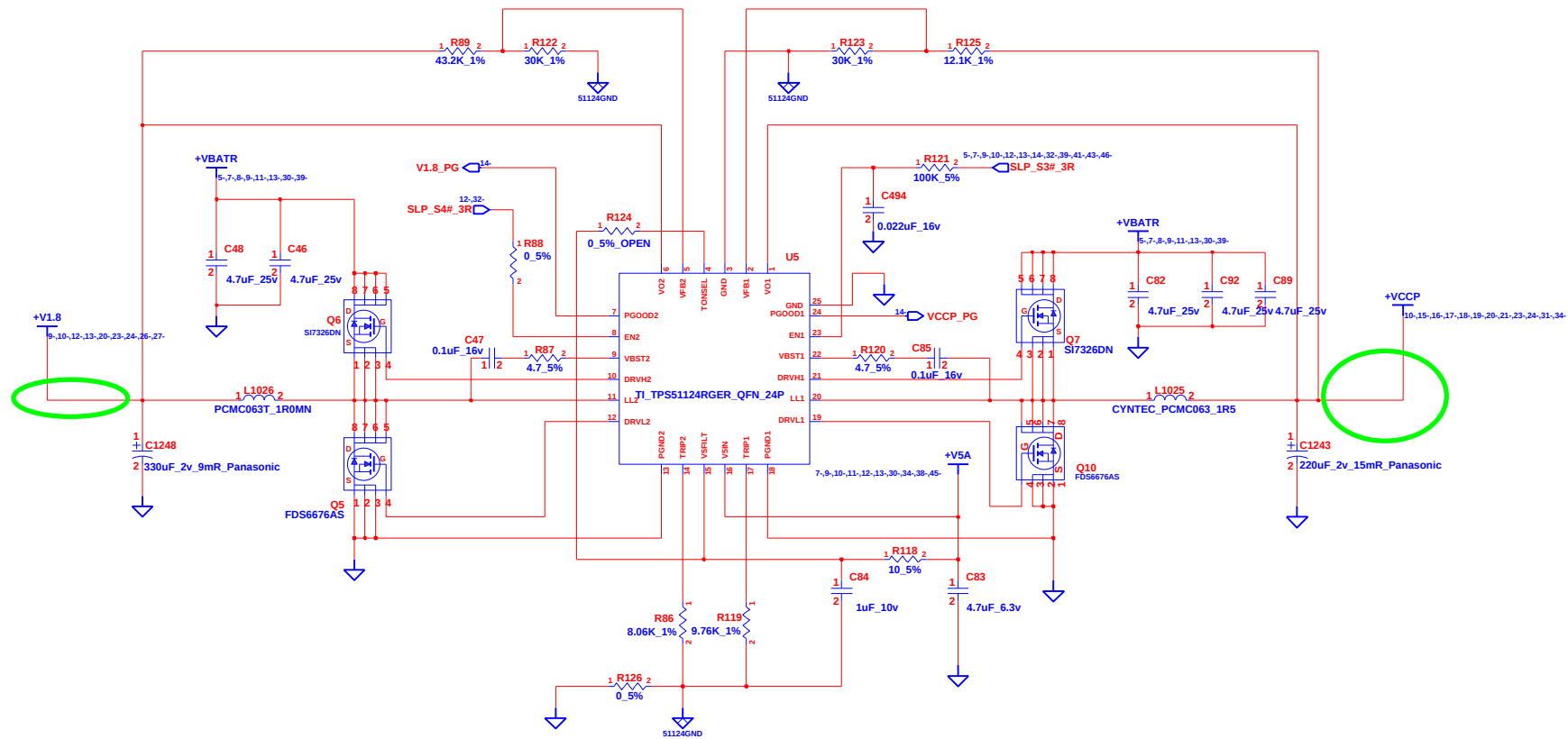
SHEET 3 OF 54







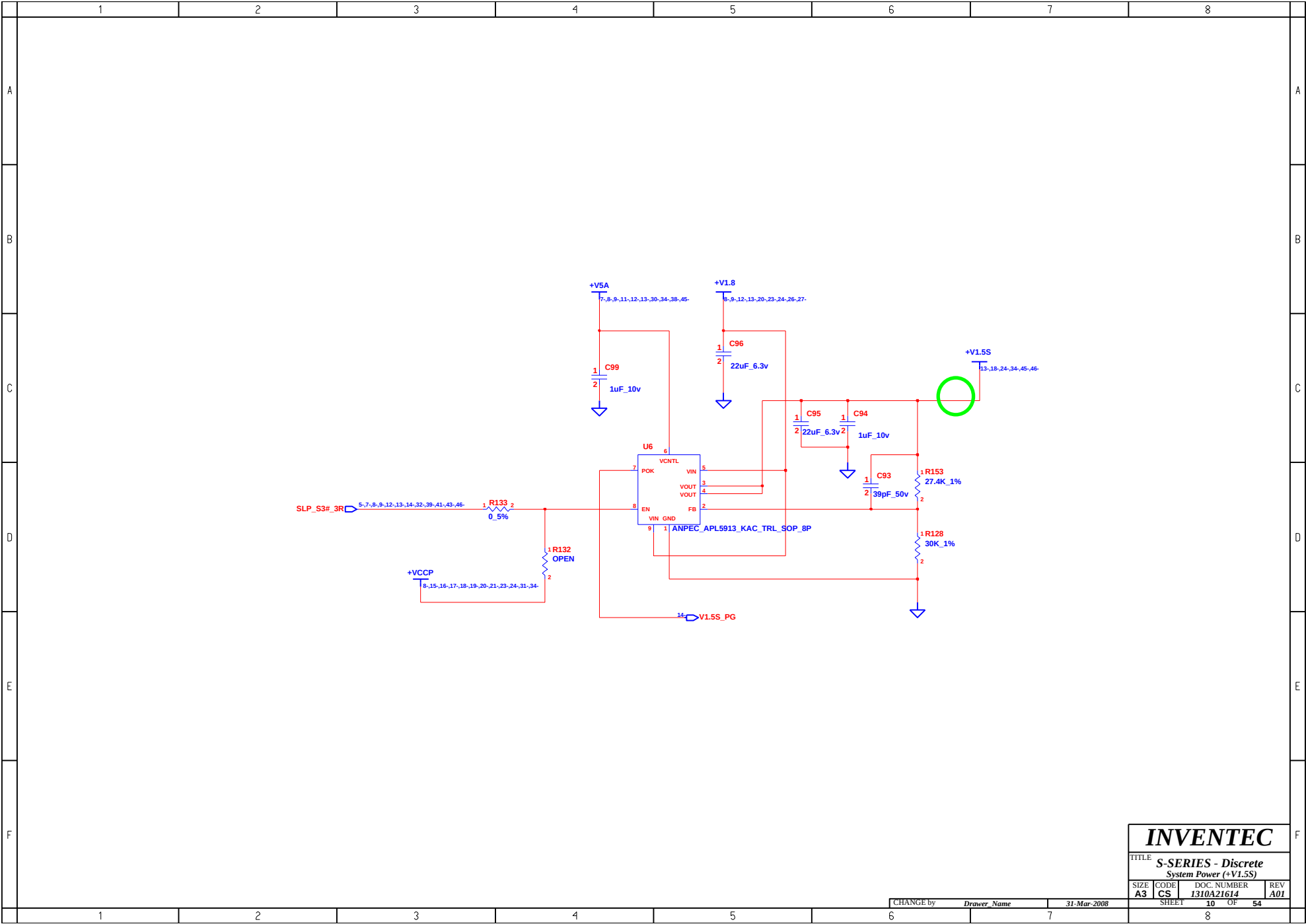




| INVENTEC                                                  |            |                           |               |
|-----------------------------------------------------------|------------|---------------------------|---------------|
| TITLE<br>S-SERIES - Discrete<br>System Power(+V1.8/+VCCP) |            |                           |               |
| SIZE<br>A3                                                | CODE<br>CS | DOC. NUMBER<br>I310A21614 | REV<br>A01    |
| CHANGE by<br>Drafter Name                                 |            | 31-Mar-2008               | SHEET 8 OF 54 |

[illegible]

|                   |                   |                                  |                   |
|-------------------|-------------------|----------------------------------|-------------------|
| SIZE<br><b>A3</b> | CODE<br><b>CS</b> | DOC. NUMBER<br><b>1310A21614</b> | REV<br><b>A01</b> |
|-------------------|-------------------|----------------------------------|-------------------|



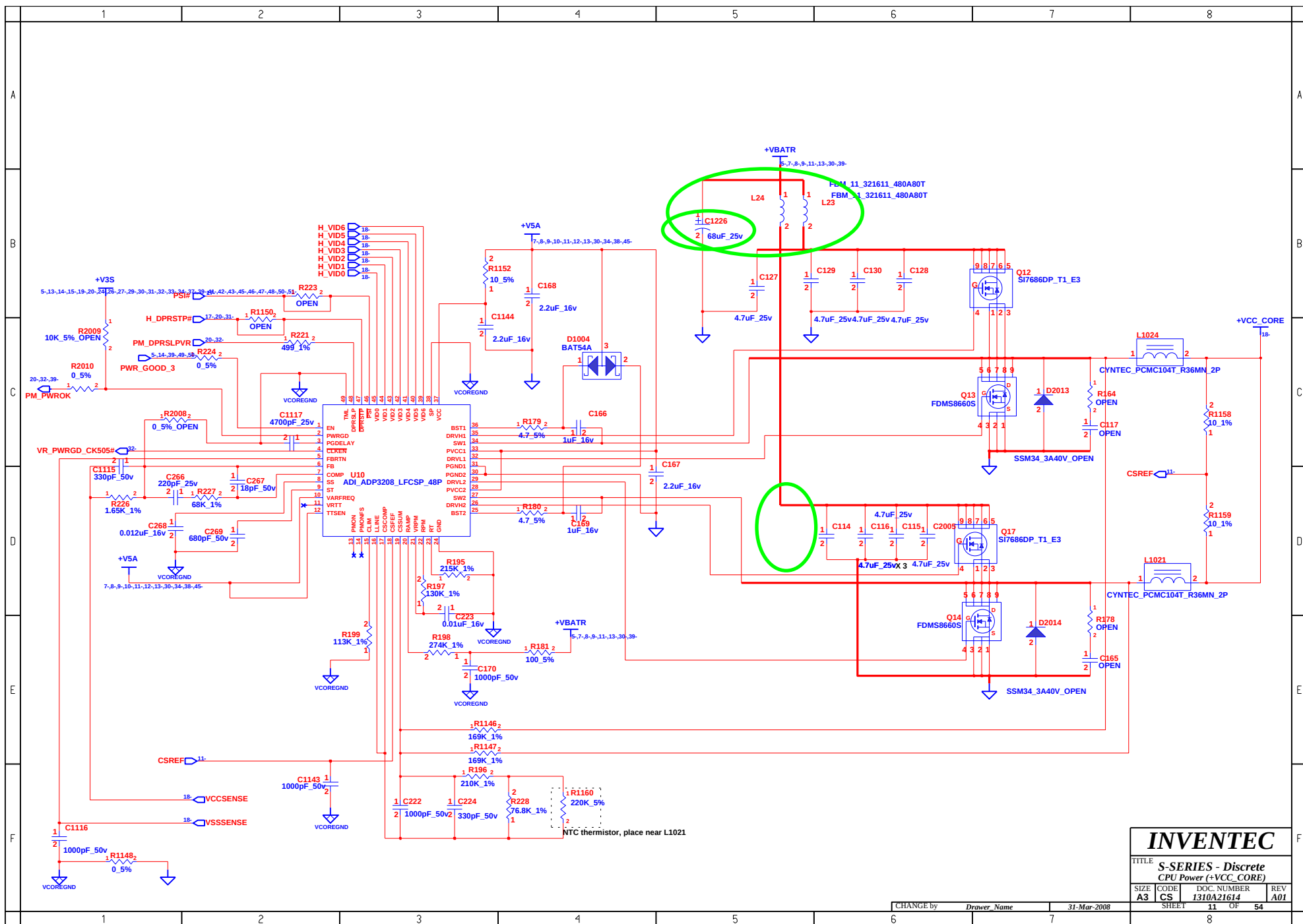
**INVENTEC**

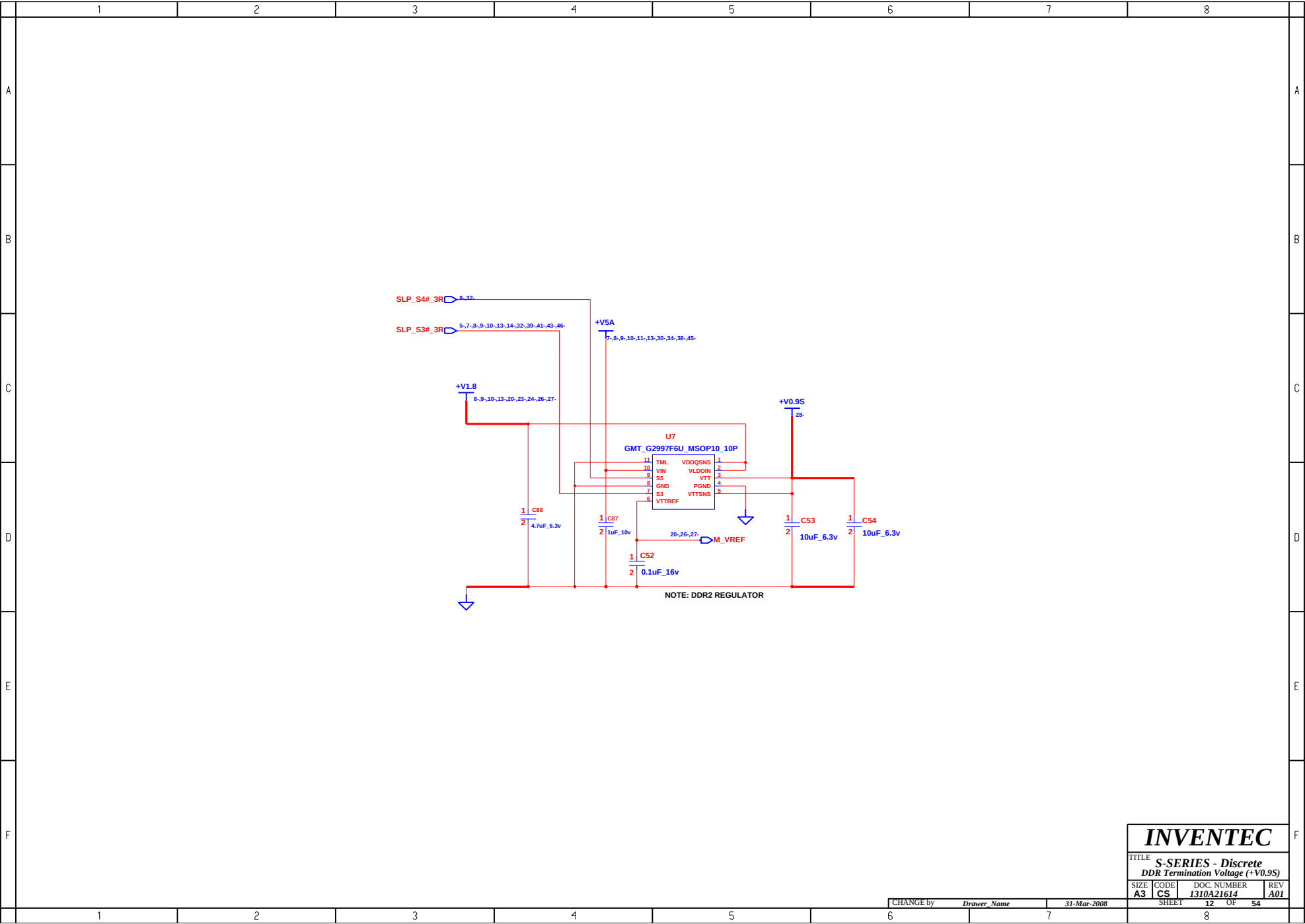
TITLE  
**S-SERIES - Discrete**  
System Power (+V1.5S)

|                   |                   |                                  |                   |
|-------------------|-------------------|----------------------------------|-------------------|
| SIZE<br><b>A3</b> | CODE<br><b>CS</b> | DOC. NUMBER<br><b>I310AZ1614</b> | REV<br><b>A01</b> |
|-------------------|-------------------|----------------------------------|-------------------|

CHANGE by *Drawn Name* 31-Mar-2008

SHEET 10 OF 54





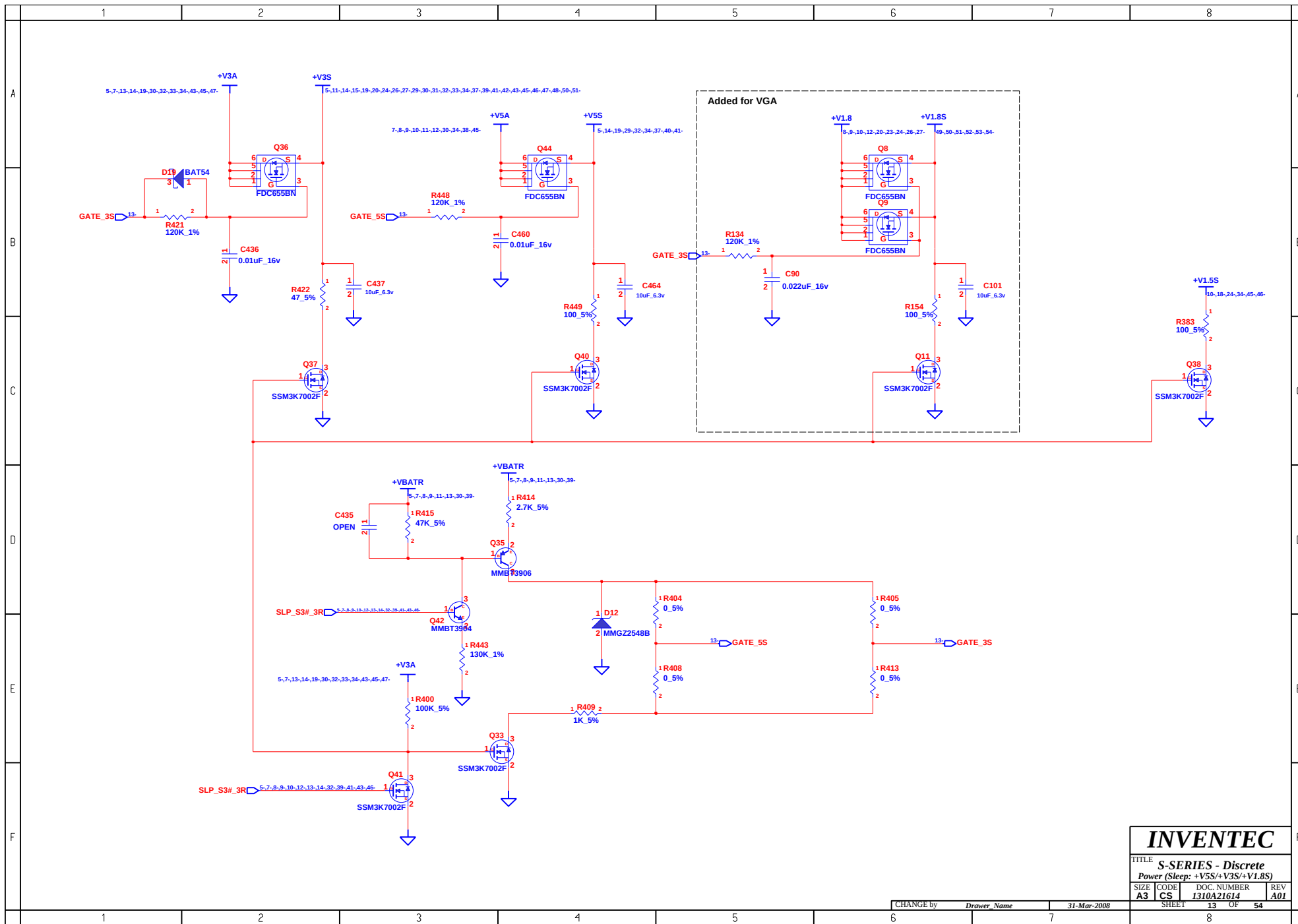
**INVENTEC**

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

|                   |                   |                                  |                   |
|-------------------|-------------------|----------------------------------|-------------------|
| SIZE<br><b>A3</b> | CODE<br><b>CS</b> | DOC. NUMBER<br><b>I310AZ1614</b> | REV<br><b>A01</b> |
|-------------------|-------------------|----------------------------------|-------------------|

CHANGE by *Drawer Name* 31-Mar-2008

SHEET 12 OF 54



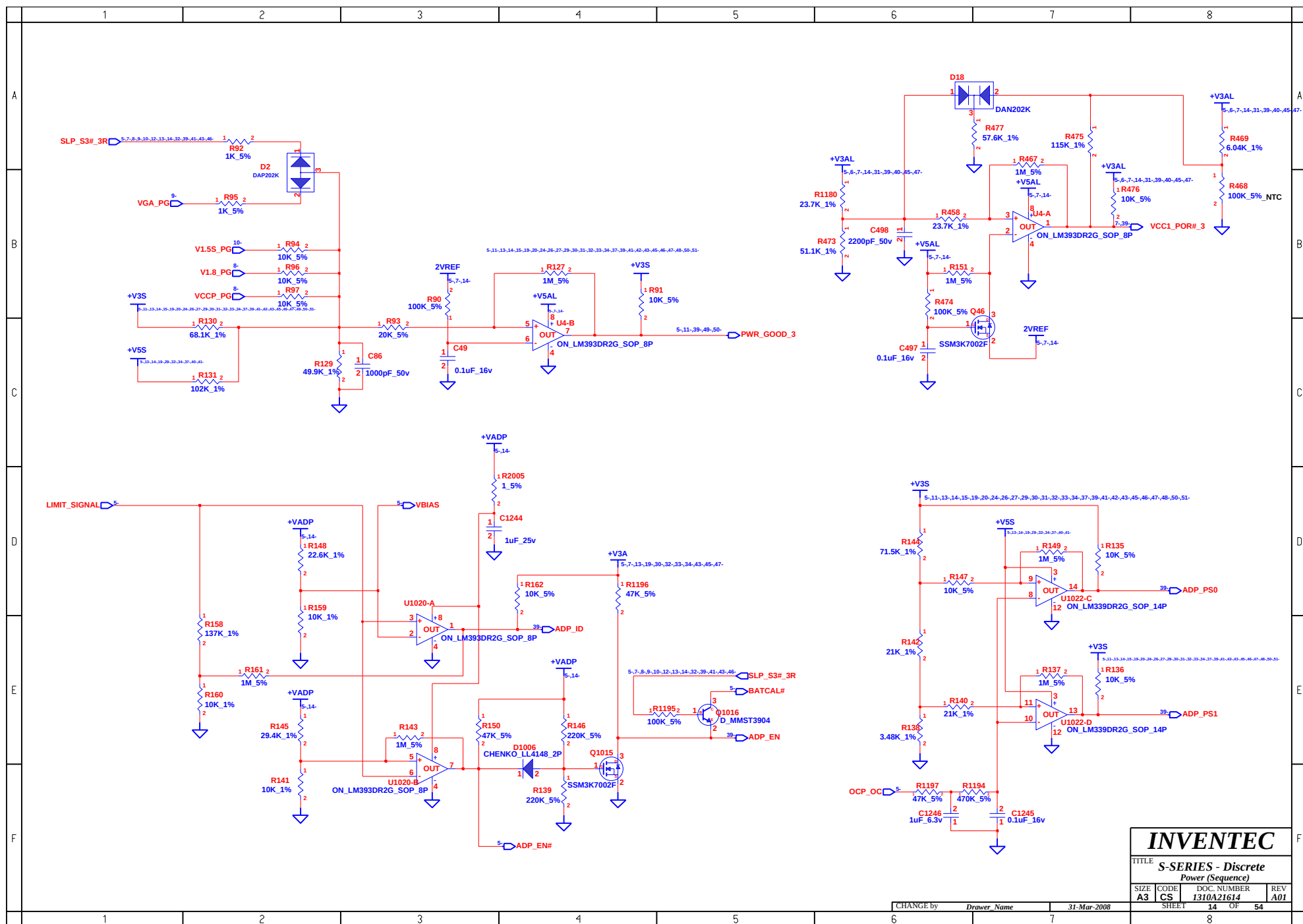
# INVENTEC

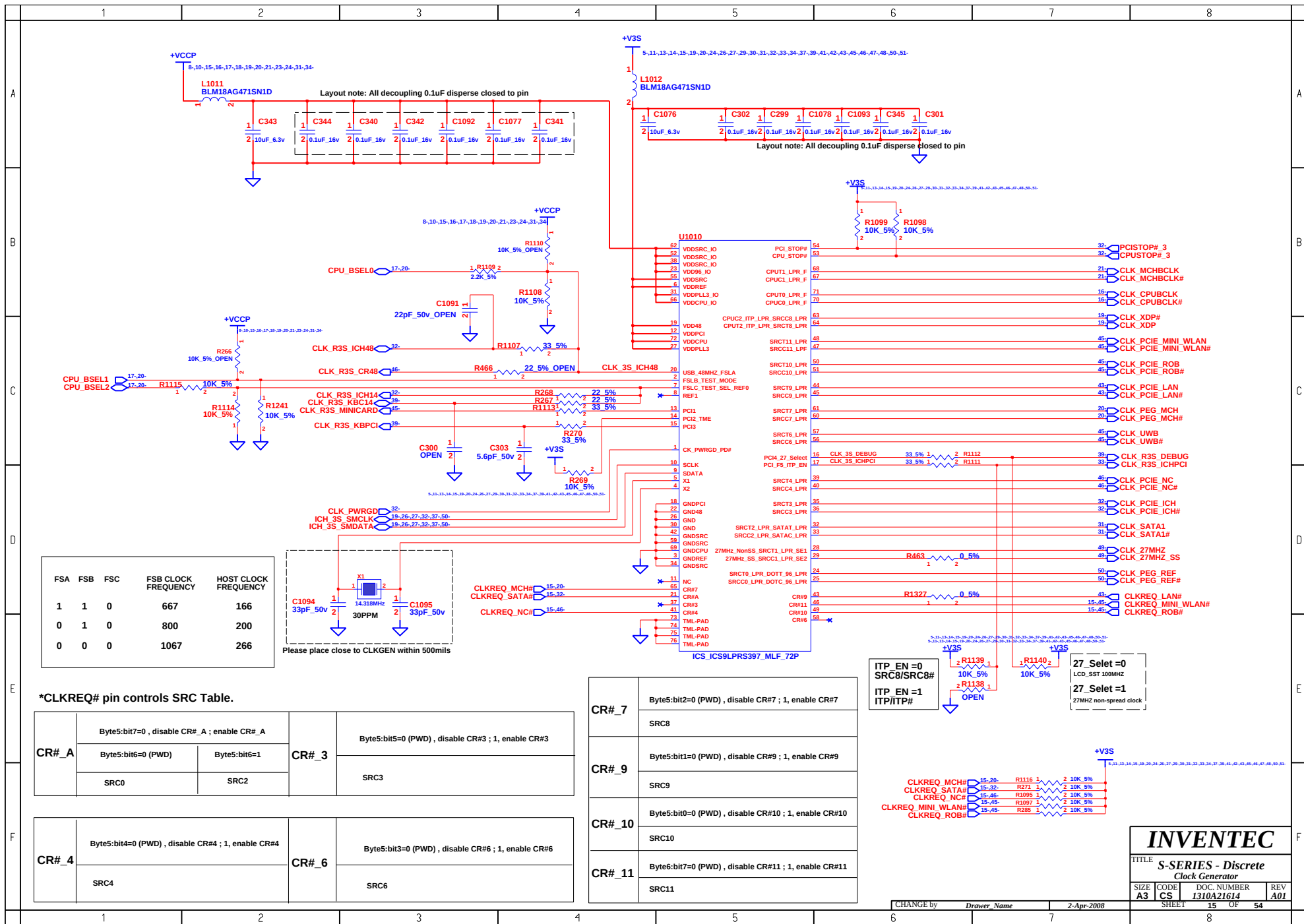
TITLE  
**S-SERIES - Discrete**  
 Power (Sleep: +V5S/+V3S/+V1.8S)

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

CHANGE by *Drawn Name* 31-Mar-2008

SHEET 13 OF 54





| FSA | FSB | FSC | FSB CLOCK FREQUENCY | HOST CLOCK FREQUENCY |
|-----|-----|-----|---------------------|----------------------|
| 1   | 1   | 0   | 667                 | 166                  |
| 0   | 1   | 0   | 800                 | 200                  |
| 0   | 0   | 0   | 1067                | 266                  |

\*CLKREQ# pin controls SRC Table.

|       |                                             |              |       |                                                    |  |
|-------|---------------------------------------------|--------------|-------|----------------------------------------------------|--|
| CR#_A | Byte5:bit7=0 , disable CR#_A ; enable CR#_A |              | CR#_3 | Byte5:bit5=0 (PWD) , disable CR#3 ; 1, enable CR#3 |  |
|       | Byte5:bit6=0 (PWD)                          | Byte5:bit6=1 |       | SRC3                                               |  |
|       | SRC0                                        | SRC2         |       |                                                    |  |

| CR#_4 | Byte5:bit4=0 (PWD) , disable CR#4 ; 1, enable CR#4 | Byte5:bit3=0 (PWD) , disable CR#6 ; 1, enable CR#6 |  |
|-------|----------------------------------------------------|----------------------------------------------------|--|
|       | SRC4                                               | SRC6                                               |  |

|        |                                                      |
|--------|------------------------------------------------------|
| CR#_7  | Byte5:bit2=0 (PWD) , disable CR#7 ; 1, enable CR#7   |
| SRC8   |                                                      |
| CR#_9  | Byte5:bit1=0 (PWD) , disable CR#9 ; 1, enable CR#9   |
| SRC9   |                                                      |
| CR#_10 | Byte5:bit0=0 (PWD) , disable CR#10 ; 1, enable CR#10 |
| SRC10  |                                                      |
| CR#_11 | Byte6:bit7=0 (PWD) , disable CR#11 ; 1, enable CR#11 |
| SRC11  |                                                      |

ITP\_EN=0  
SRC8/SRC8#  
ITP\_EN=1  
ITP/ITP#

27\_Select=0  
LCD\_SST 100MHz  
27\_Select=1  
27MHz non-spread clock

INVENTEC

TITLE

S-SERIES - Discrete

Clock Generator

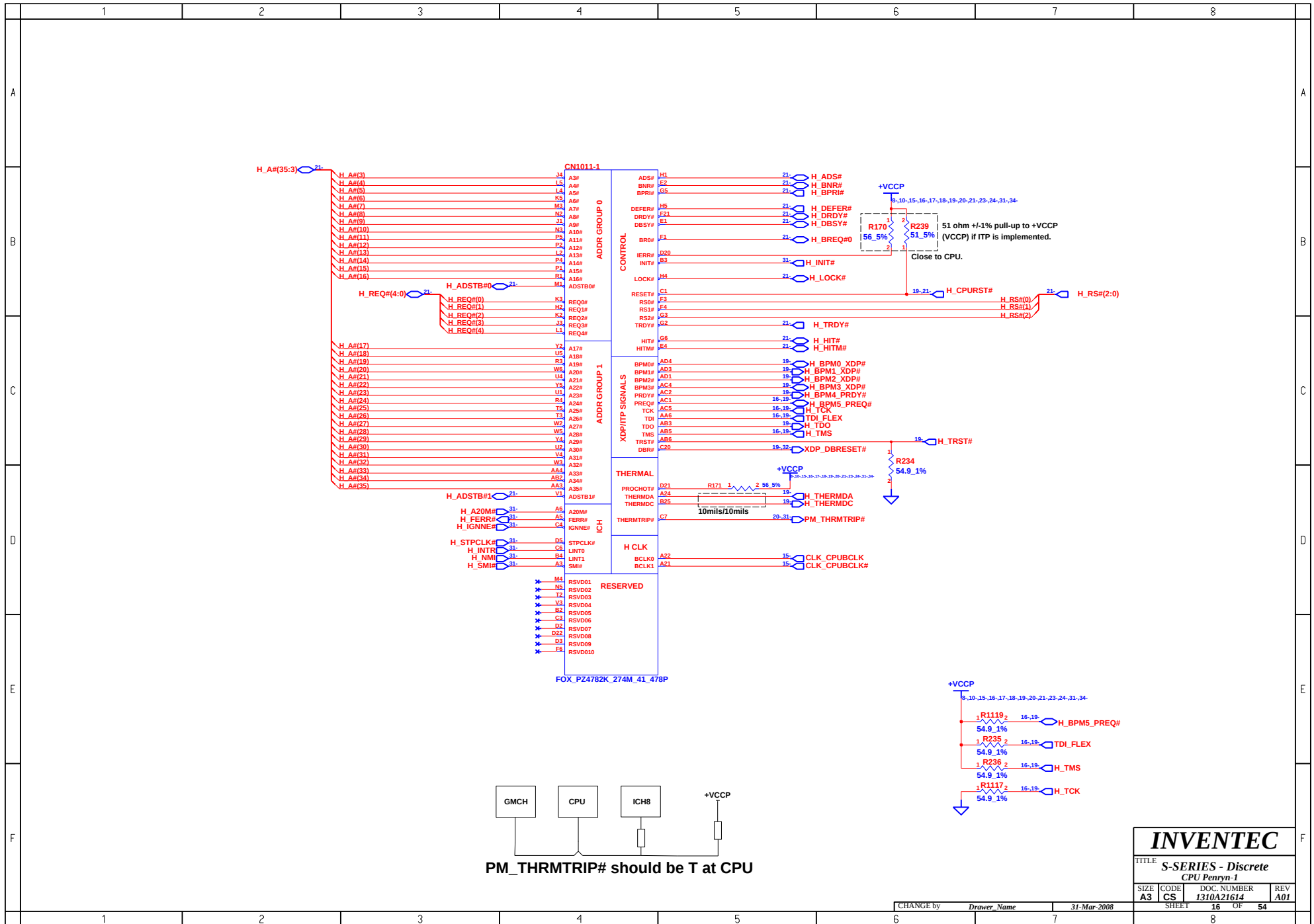
SIZE CODE CS

1310AZ1614

DOC. NUMBER

REV A01

SHEET 15 OF 54



**INVENTEC**

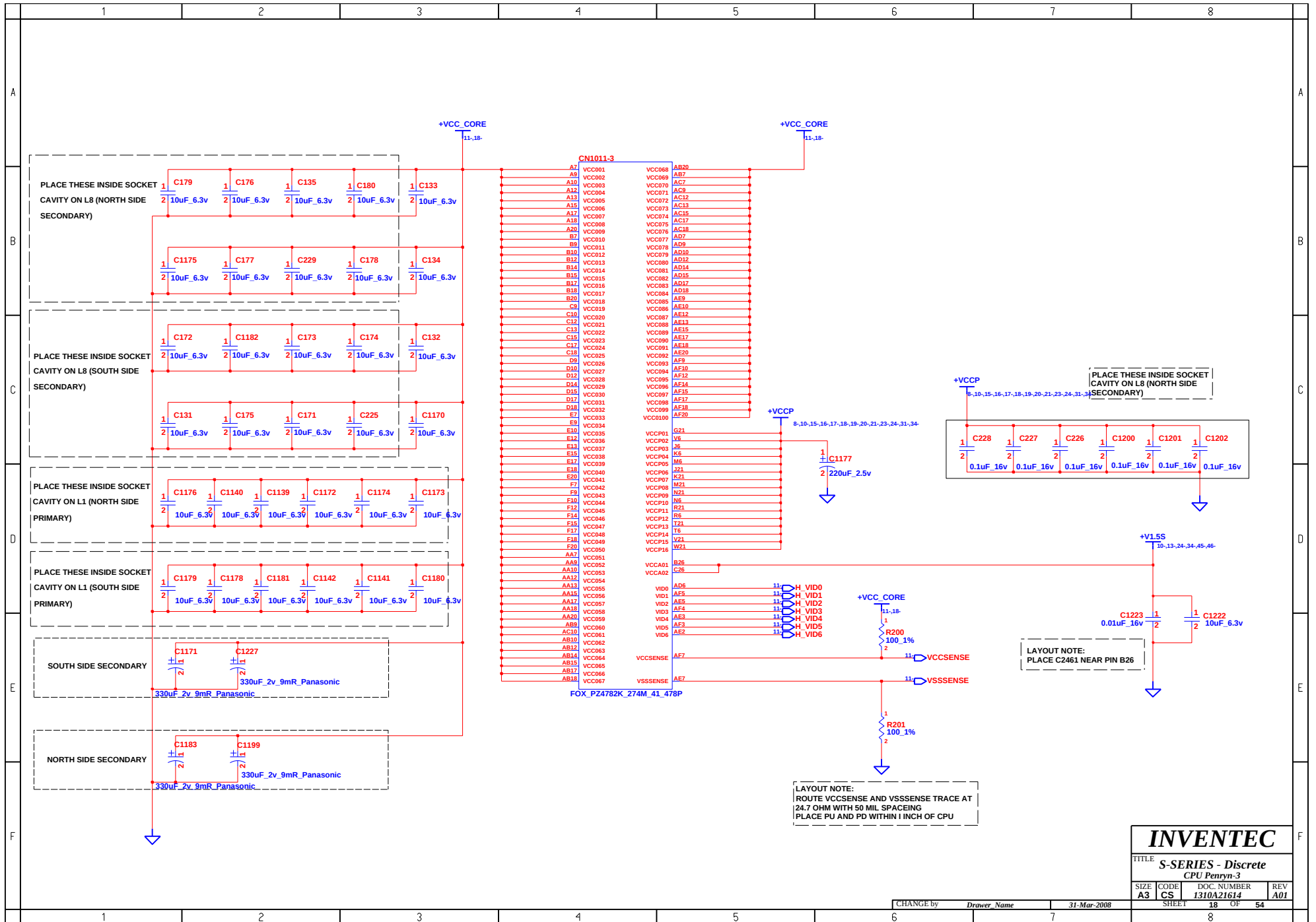
TITLE  
S-SERIES - Discrete  
CPU Penryn-1

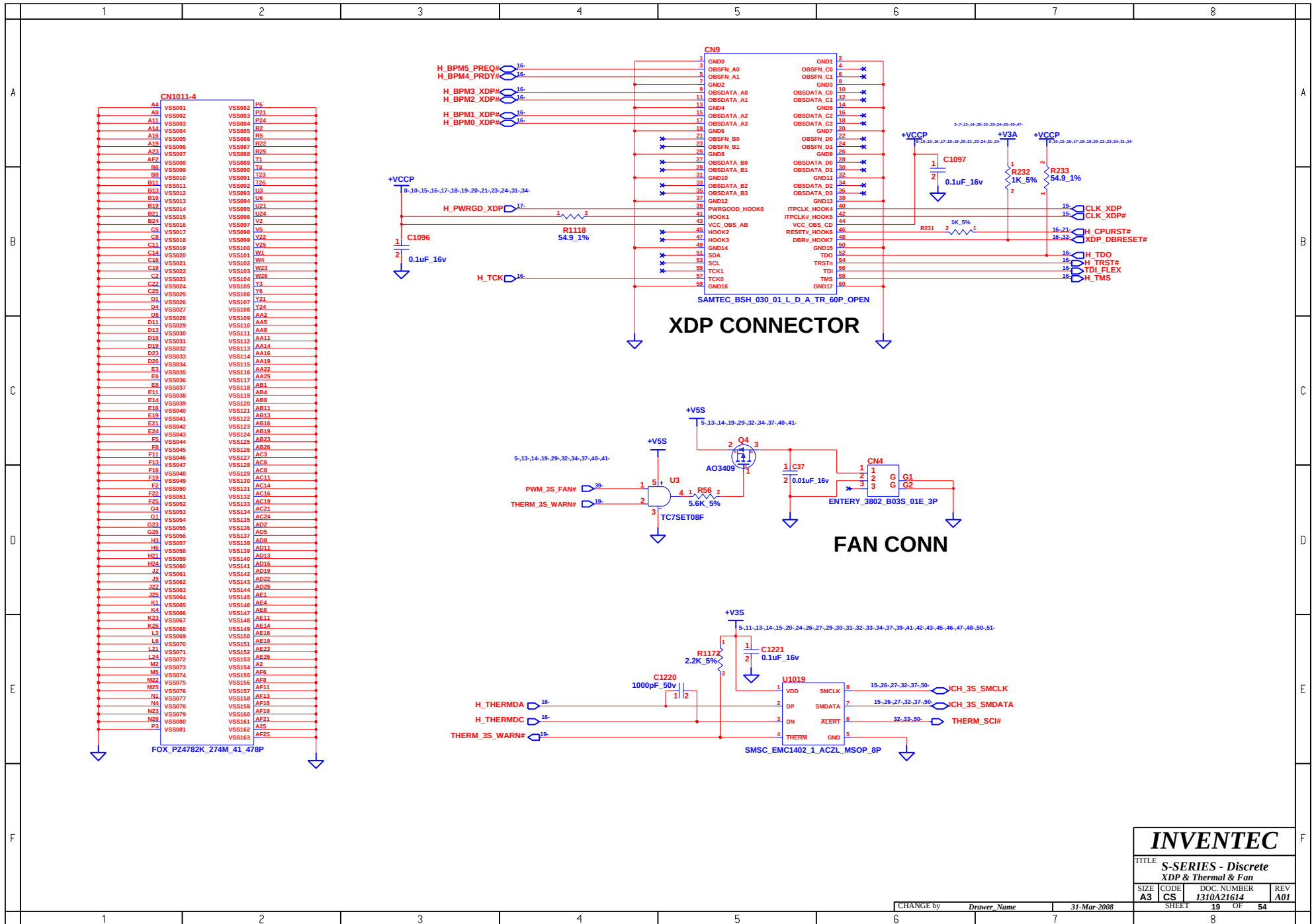
| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3   | CS   | 1310A21614  | A01 |

CHANGE by *Drawn Name* 31-Mar-2008

SHEET 16 OF 54







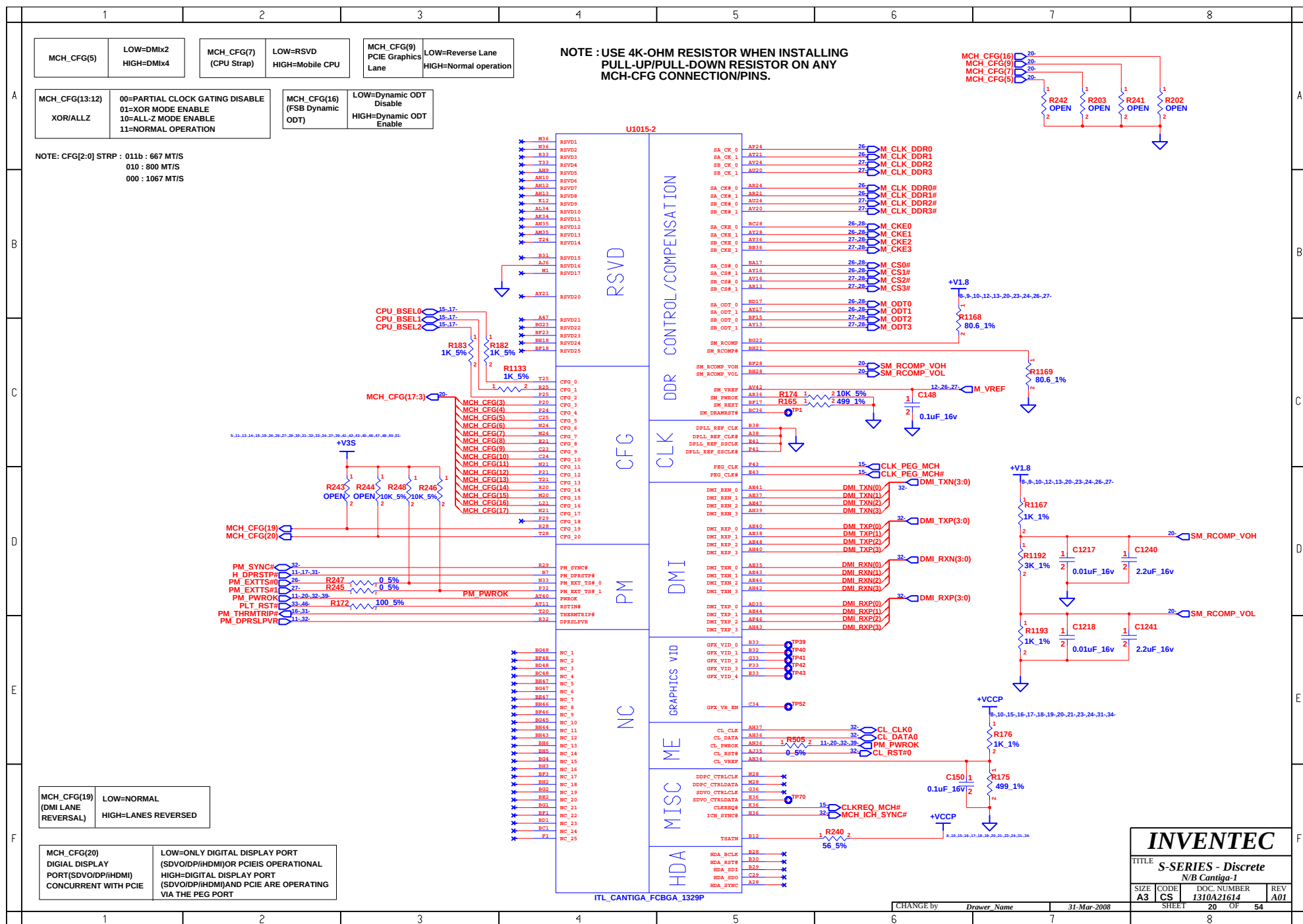
# INVENTEC

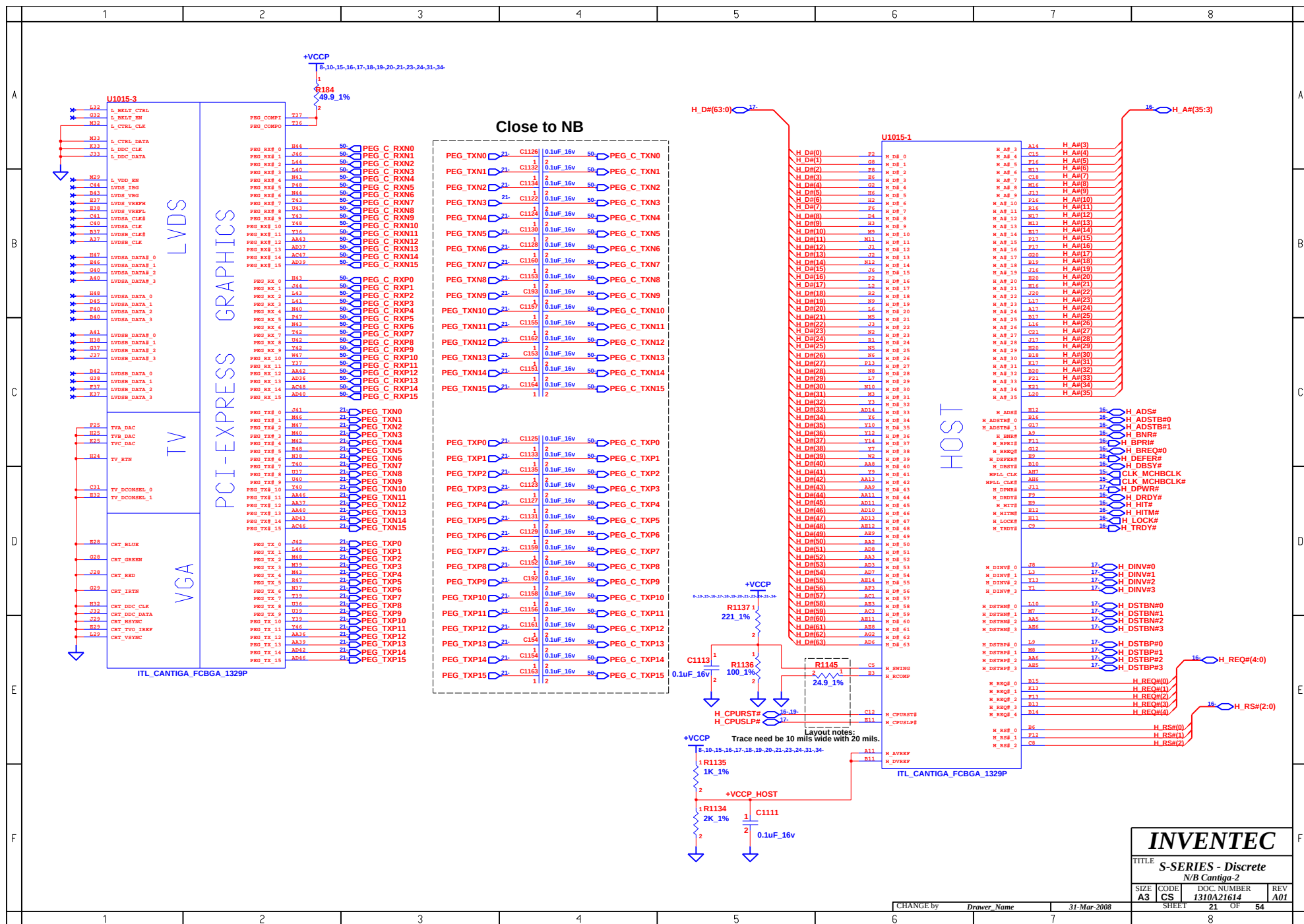
TITLE  
S-SERIES - Discrete  
XDP & Thermal & Fan

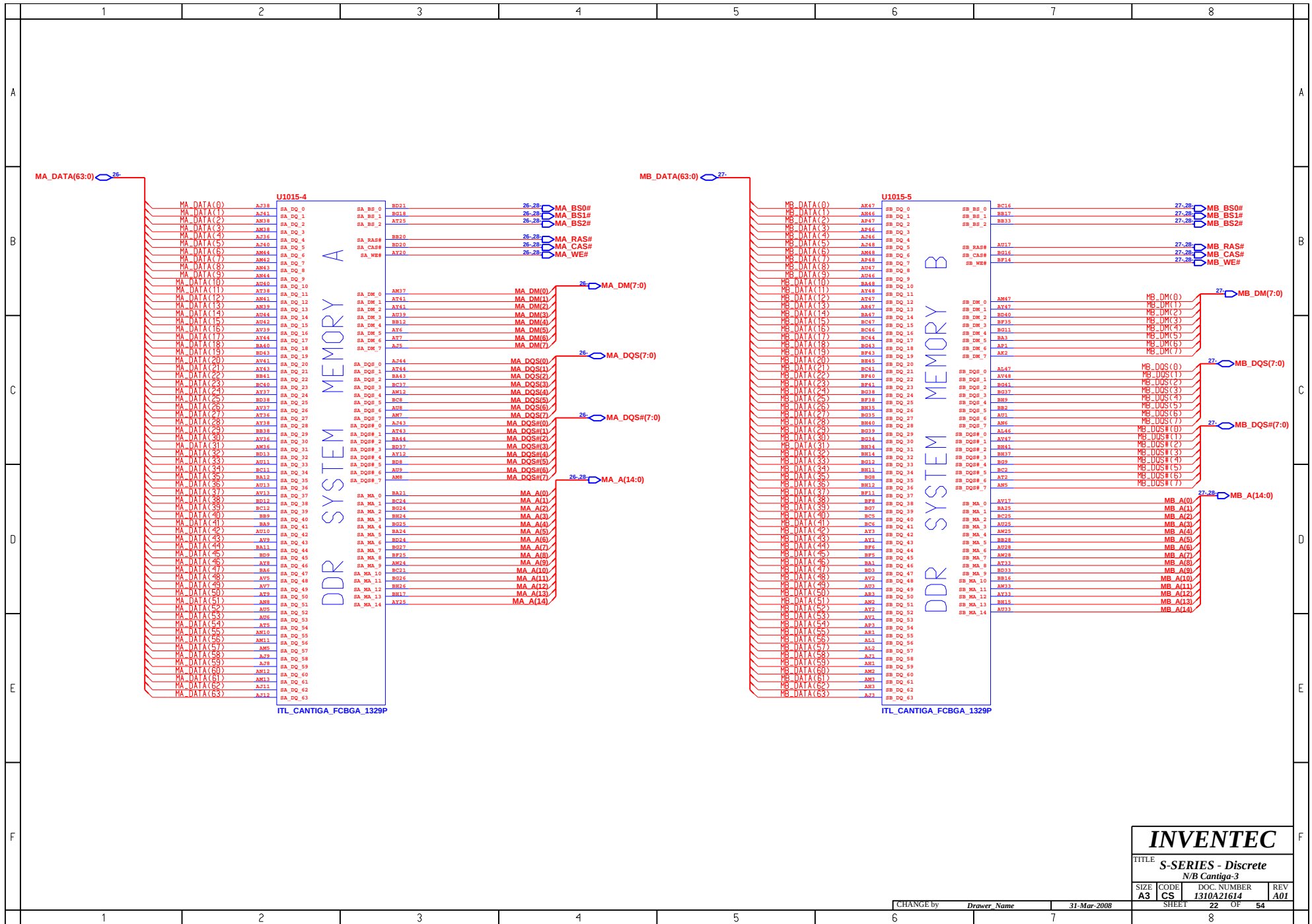
| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3   | CS   | I310A21614  | A01 |

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

SHEET 19 OF 54







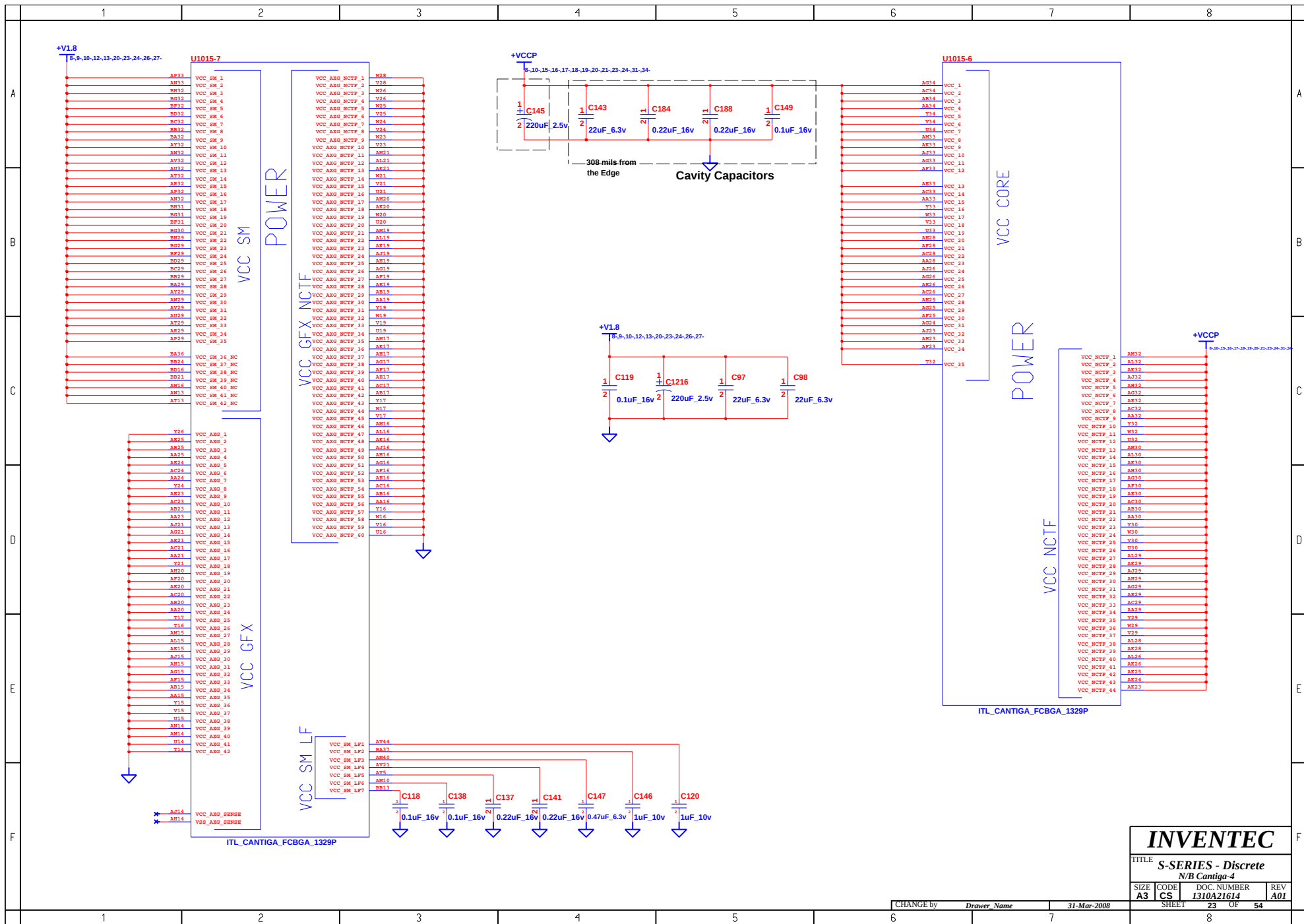
INVENTEC

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

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

CHANGE by Drafter Name 31-Mar-2008

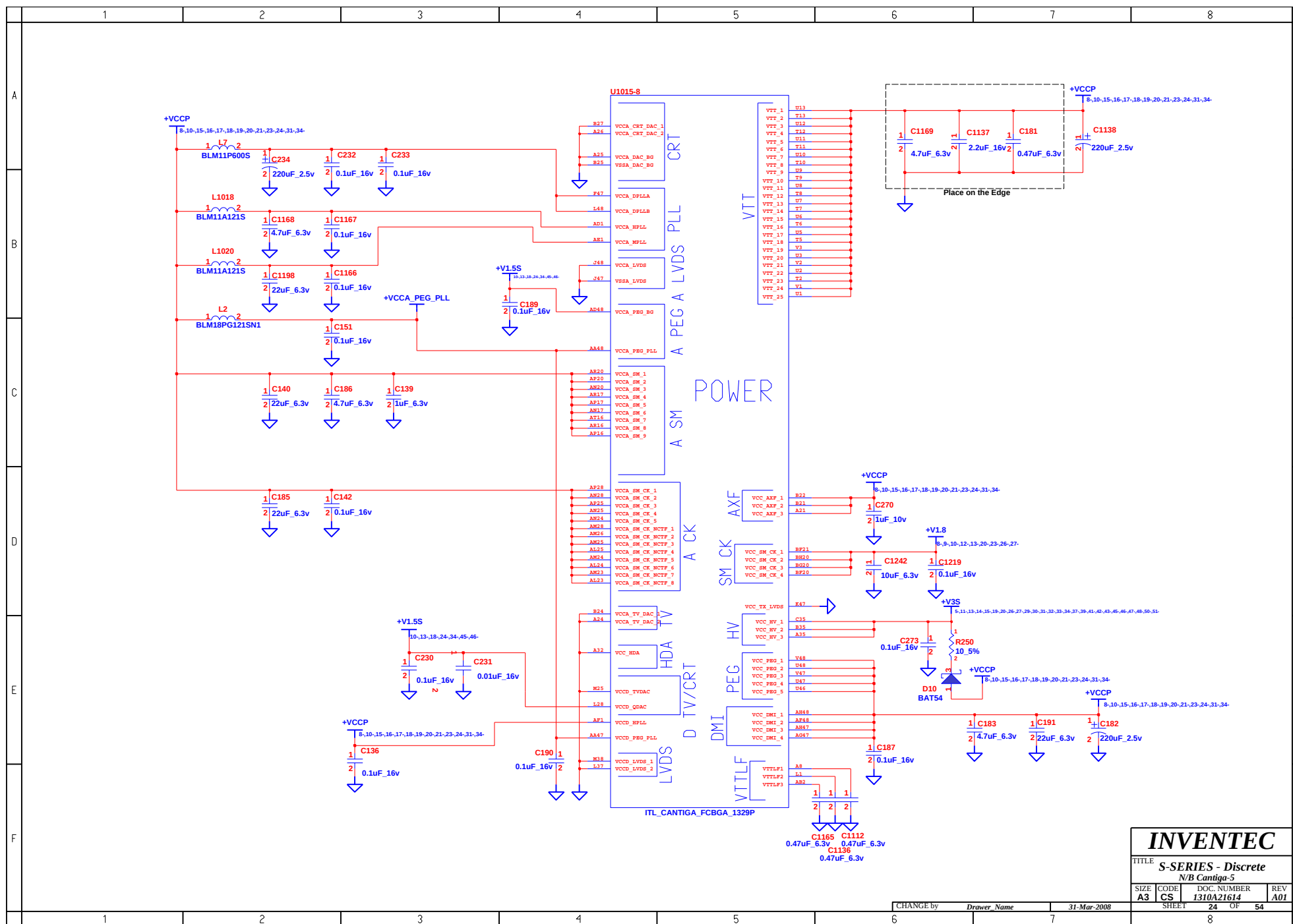
SHEET 22 OF 54



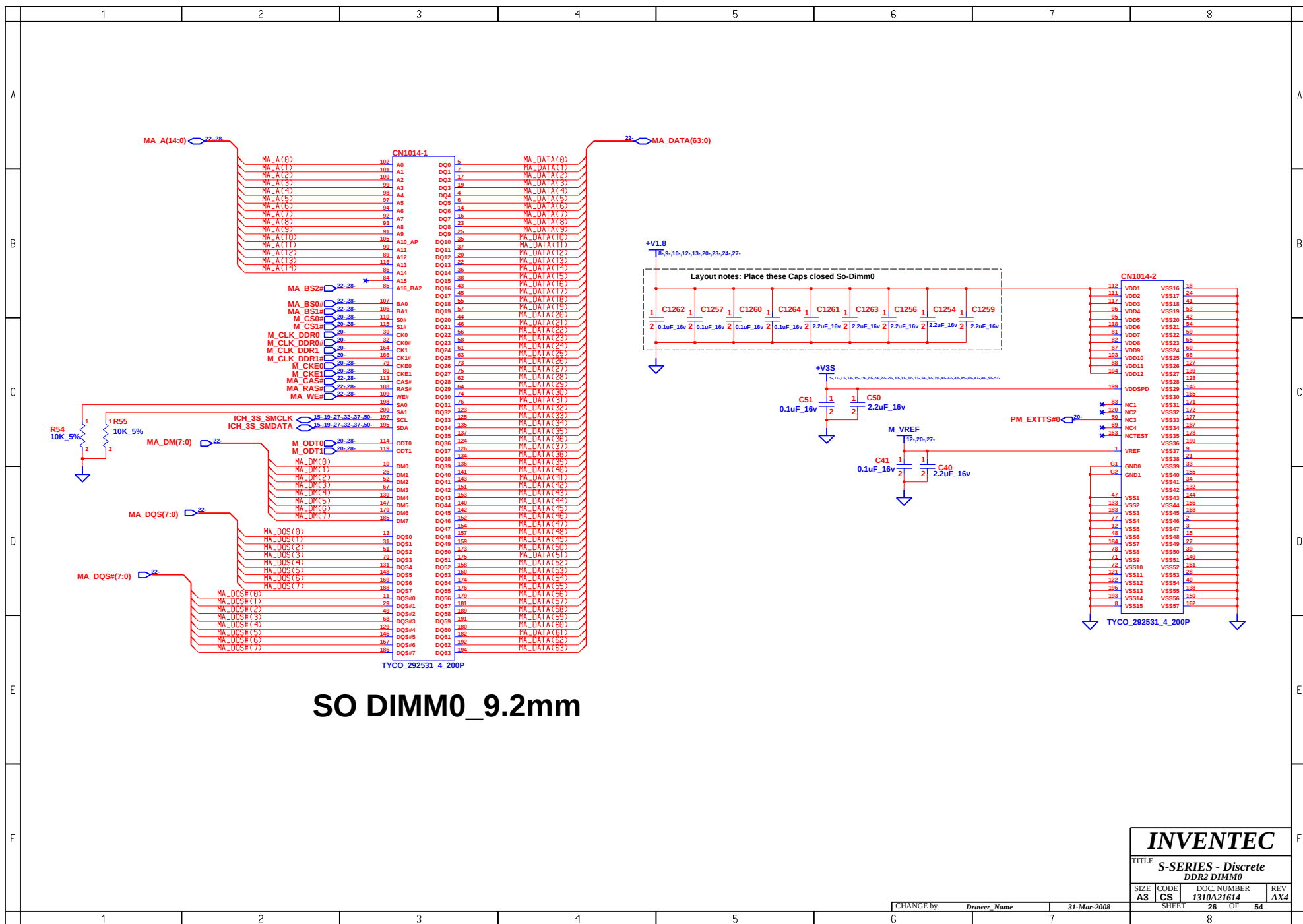
| INVENTEC            |      |             |     |
|---------------------|------|-------------|-----|
| TITLE               |      |             |     |
| S-SERIES - Discrete |      |             |     |
| N/B Cantiga-4       |      |             |     |
| SIZE                | CODE | DOC. NUMBER | REV |
| A3                  | CS   | 1310A21614  | A01 |

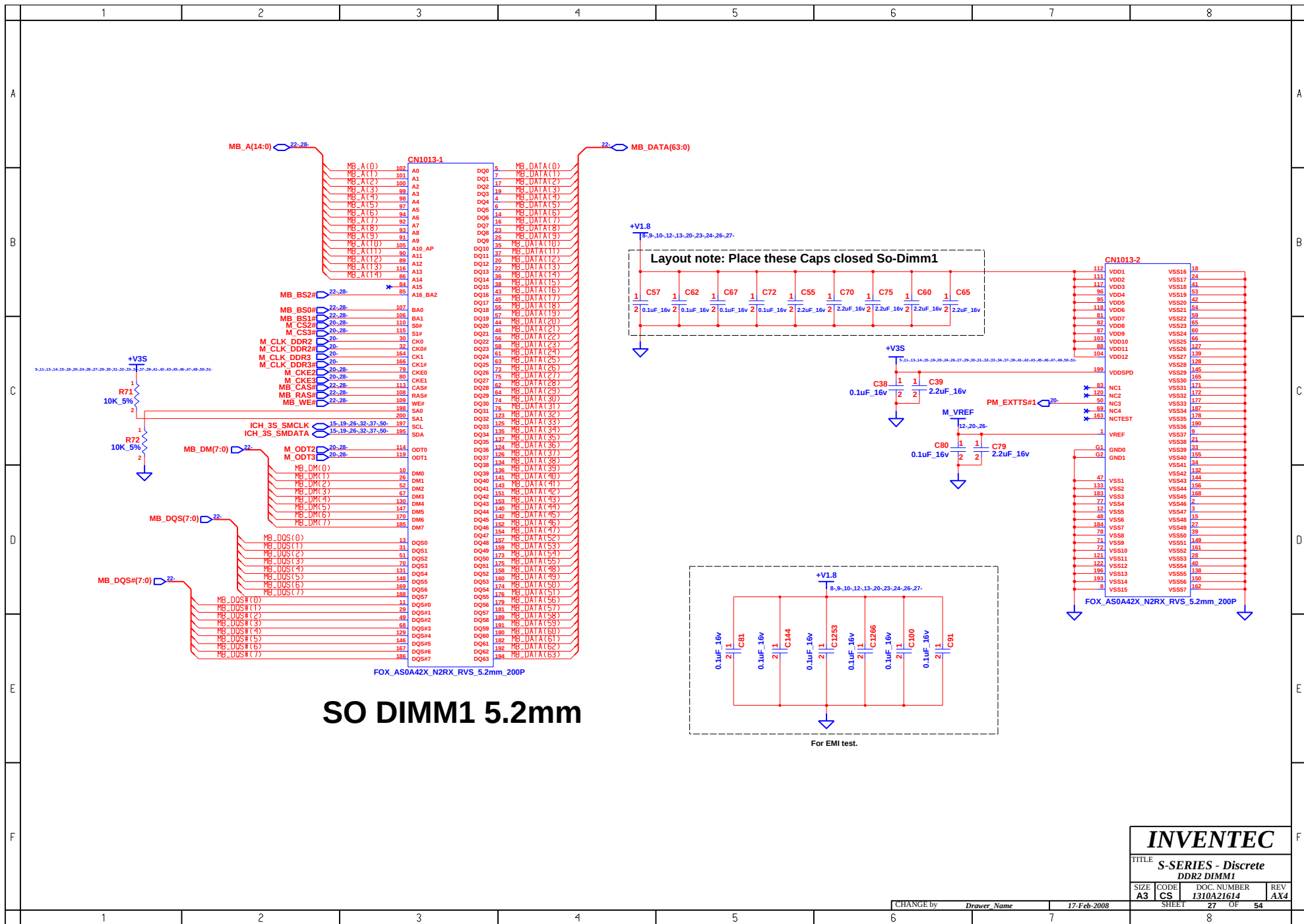
CHANGE by *Drawer Name* 31-Mar-2008

SHEET 23 OF 54



[illegible]





SO DIMM1 5.2mm

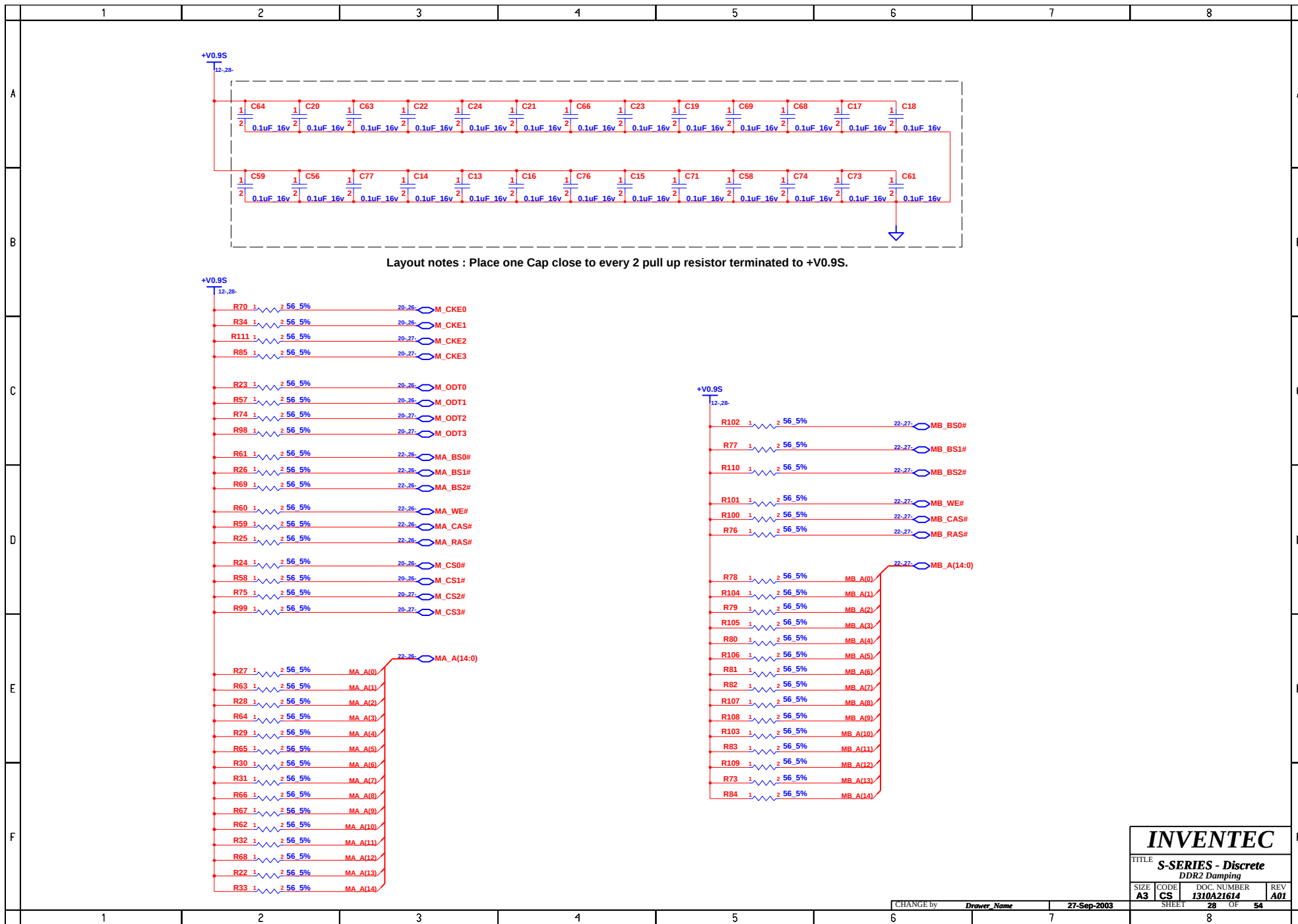
INVENTEC

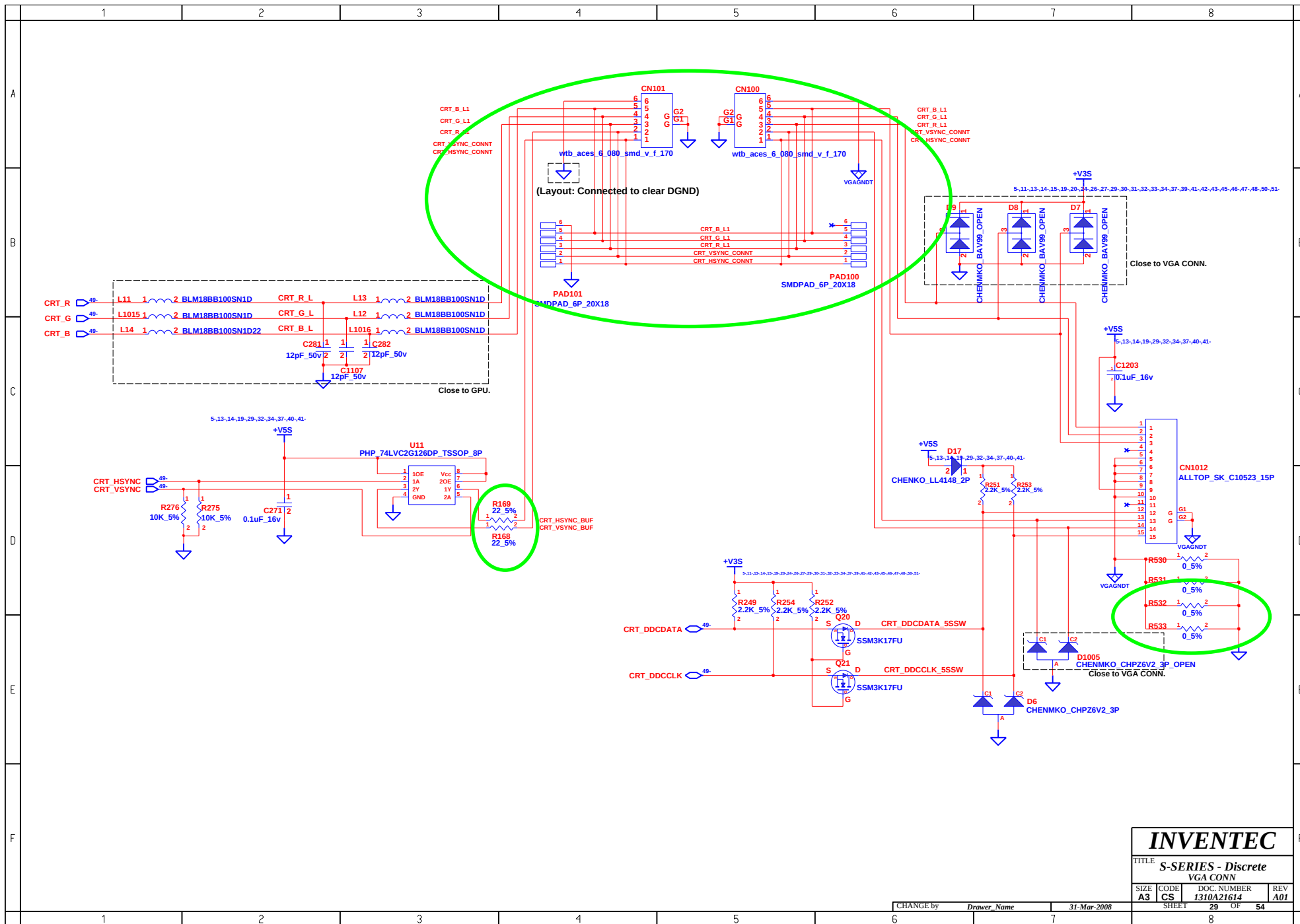
TITLE  
S-SERIES - Discrete  
DDR2 DIMM1

| SIZE | CODE | DOC. NUMBER | REV |
|------|------|-------------|-----|
| A3   | CS   | 1310A21614  | AX4 |

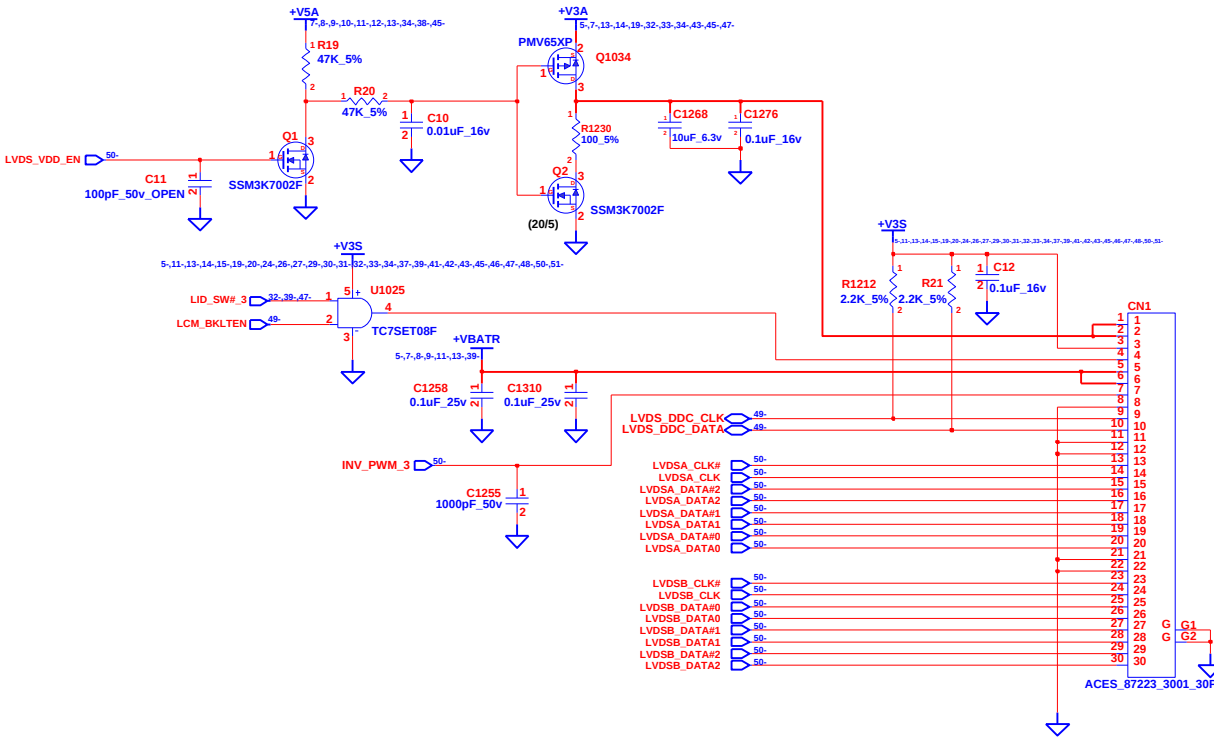
CHANGE by: *Drawer Name* 17-Feb-2008

SHEET 27 OF 54





Place closed to connector



**INVENTEC**

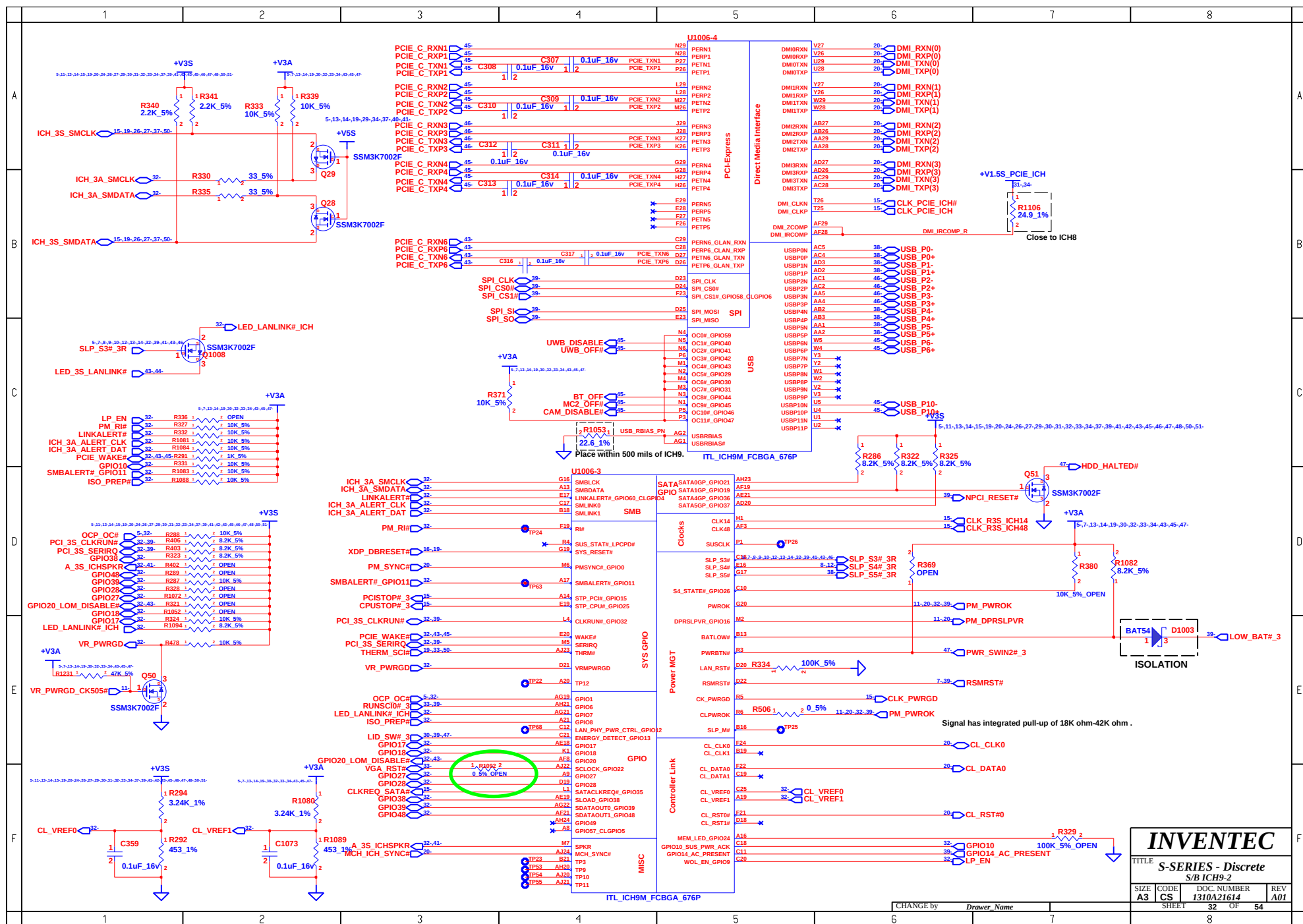
TITLE  
**S-SERIES - Discrete**  
LCM CONN

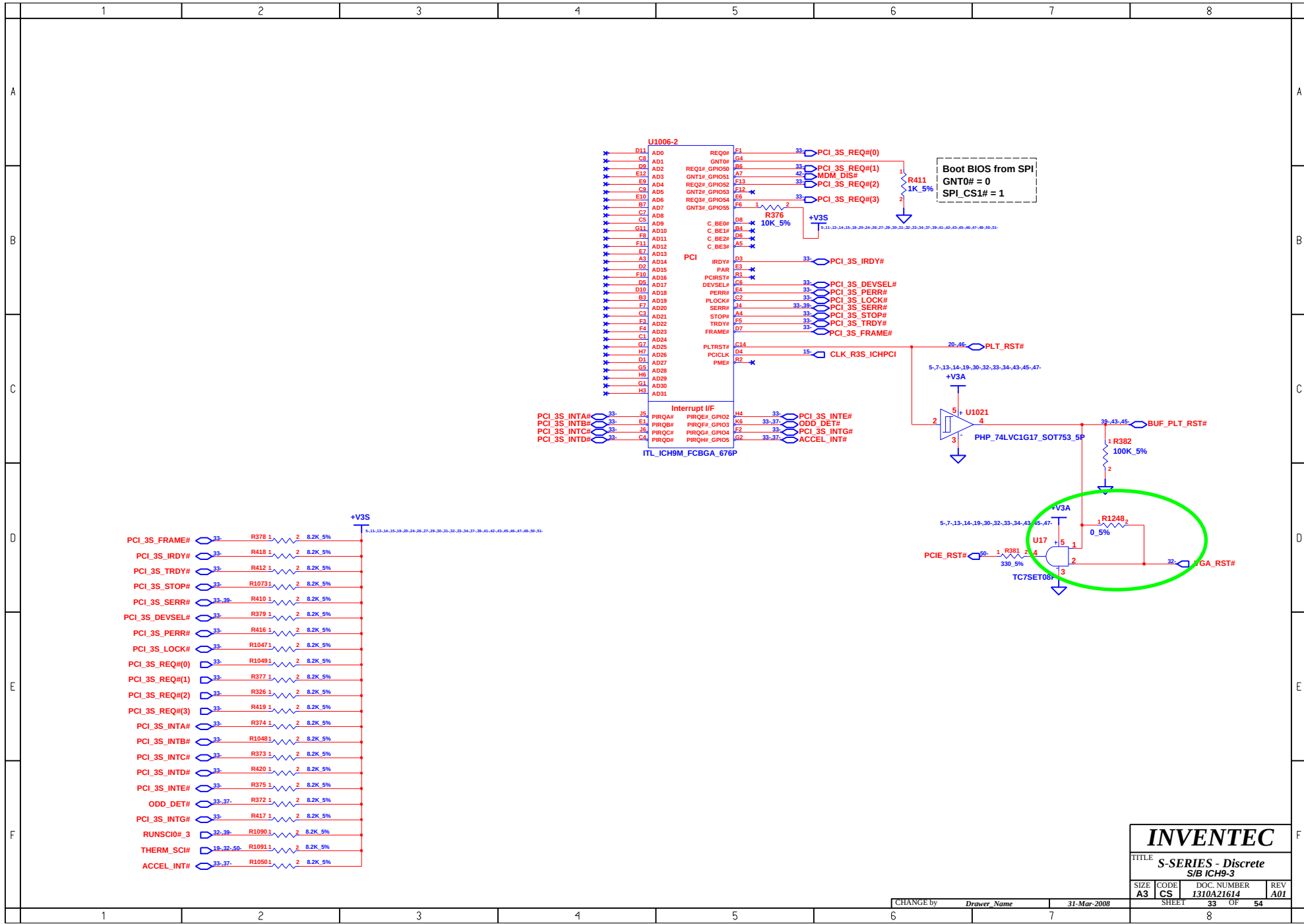
|                   |                   |                                  |                   |
|-------------------|-------------------|----------------------------------|-------------------|
| SIZE<br><b>A3</b> | CODE<br><b>CS</b> | DOC. NUMBER<br><b>I310AZ1614</b> | REV<br><b>A01</b> |
|-------------------|-------------------|----------------------------------|-------------------|

CHANGE by *Drawn Name* 31-Mar-2008

SHEET 30 OF 54







# INVENTEC

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

|            |            |                           |            |
|------------|------------|---------------------------|------------|
| SIZE<br>A3 | CODE<br>CS | DOC. NUMBER<br>1310AZ1614 | REV<br>A01 |
|------------|------------|---------------------------|------------|

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

SHEET 33 OF 54



|   |                                          |   |   |                           |   |              |   |                |   |
|---|------------------------------------------|---|---|---------------------------|---|--------------|---|----------------|---|
|   | 1                                        | 2 | 3 | 4                         | 5 | 6            | 7 | 8              |   |
| A |                                          |   |   | U1006-5                   |   |              |   |                | A |
|   |                                          |   |   | AA26 VSS001 VSS107 H5     |   |              |   |                |   |
|   |                                          |   |   | AA27 VSS002 VSS108 J23    |   |              |   |                |   |
|   |                                          |   |   | AA3 VSS003 VSS109 J26     |   |              |   |                |   |
|   |                                          |   |   | AA8 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     |   |              |   |                |   |
|   |                                          |   |   | AG5 VSS058 VSS164 T15     |   |              |   |                |   |
|   |                                          |   |   | AG9 VSS059 VSS165 T16     |   |              |   |                |   |
|   |                                          |   |   | AH12 VSS060 VSS166 T17    |   |              |   |                |   |
|   |                                          |   |   | AH14 VSS061 VSS167 T23    |   |              |   |                |   |
|   |                                          |   |   | AH17 VSS062 VSS168 U12    |   |              |   |                |   |
|   |                                          |   |   | AH18 VSS063 VSS169 U12    |   |              |   |                |   |
|   |                                          |   |   | AH2 VSS064 VSS170 U13     |   |              |   |                |   |
|   |                                          |   |   | AH22 VSS065 VSS171 U14    |   |              |   |                |   |
|   |                                          |   |   | AH25 VSS066 VSS172 U15    |   |              |   |                |   |
|   |                                          |   |   | AH28 VSS067 VSS173 U16    |   |              |   |                |   |
|   |                                          |   |   | AH5 VSS068 VSS174 U17     |   |              |   |                |   |
|   |                                          |   |   | AH8 VSS069 VSS175 AD23    |   |              |   |                |   |
|   |                                          |   |   | AJ12 VSS070 VSS176 U24    |   |              |   |                |   |
|   |                                          |   |   | AJ14 VSS071 VSS177 U27    |   |              |   |                |   |
|   |                                          |   |   | AJ17 VSS072 VSS178 U3     |   |              |   |                |   |
|   |                                          |   |   | AJ38 VSS073 VSS179 V1     |   |              |   |                |   |
|   |                                          |   |   | B11 VSS074 VSS180 V11     |   |              |   |                |   |
|   |                                          |   |   | B14 VSS075 VSS181 V15     |   |              |   |                |   |
|   |                                          |   |   | B17 VSS076 VSS182 V23     |   |              |   |                |   |
|   |                                          |   |   | B2 VSS077 VSS183 V28      |   |              |   |                |   |
|   |                                          |   |   | B20 VSS078 VSS184 V29     |   |              |   |                |   |
|   |                                          |   |   | B23 VSS079 VSS185 V4      |   |              |   |                |   |
|   |                                          |   |   | B5 VSS080 VSS186 V5       |   |              |   |                |   |
|   |                                          |   |   | B8 VSS081 VSS187 W23      |   |              |   |                |   |
|   |                                          |   |   | C26 VSS082 VSS188 W27     |   |              |   |                |   |
|   |                                          |   |   | C27 VSS083 VSS189 W3      |   |              |   |                |   |
|   |                                          |   |   | E11 VSS084 VSS190 Y1      |   |              |   |                |   |
|   |                                          |   |   | E14 VSS085 VSS191 V28     |   |              |   |                |   |
|   |                                          |   |   | E18 VSS086 VSS192 Y29     |   |              |   |                |   |
|   |                                          |   |   | E2 VSS087 VSS193 Y4       |   |              |   |                |   |
|   |                                          |   |   | E21 VSS088 VSS194 Y5      |   |              |   |                |   |
|   |                                          |   |   | E24 VSS089 AG28           |   |              |   |                |   |
|   |                                          |   |   | E5 VSS090 VSS195 AH6      |   |              |   |                |   |
|   |                                          |   |   | E8 VSS091 VSS197 AF2      |   |              |   |                |   |
|   |                                          |   |   | F16 VSS092 VSS198 B25     |   |              |   |                |   |
|   |                                          |   |   | F28 VSS093                |   |              |   |                |   |
|   |                                          |   |   | 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 A31  |   | 48- ICHGND7  |   |                |   |
|   |                                          |   |   | G27 VSS101 VSS_NCTF8 A32  |   |              |   |                |   |
|   |                                          |   |   | G8 VSS102 VSS_NCTF9 A328  |   |              |   |                |   |
|   |                                          |   |   | H2 VSS103 VSS_NCTF10 A329 |   | 48- ICHGND10 |   |                |   |
|   |                                          |   |   | H23 VSS104 VSS_NCTF11 B1  |   |              |   |                |   |
|   |                                          |   |   | H28 VSS105 VSS_NCTF12 B29 |   |              |   |                |   |
|   |                                          |   |   | H29 VSS106                |   |              |   |                |   |
|   |                                          |   |   | ITL_ICH9M_FCBGA_676P      |   |              |   |                |   |
| B |                                          |   |   |                           |   |              |   |                | B |
| C |                                          |   |   |                           |   |              |   |                | C |
| D |                                          |   |   |                           |   |              |   |                | D |
| E |                                          |   |   |                           |   |              |   |                | E |
| F |                                          |   |   |                           |   |              |   |                | F |
|   | 1                                        | 2 | 3 | 4                         | 5 | 6            | 7 | 8              |   |
|   | CHANGE by <i>Drawer Name</i> 31-Mar-2008 |   |   |                           |   |              |   | SHEET 35 OF 54 |   |

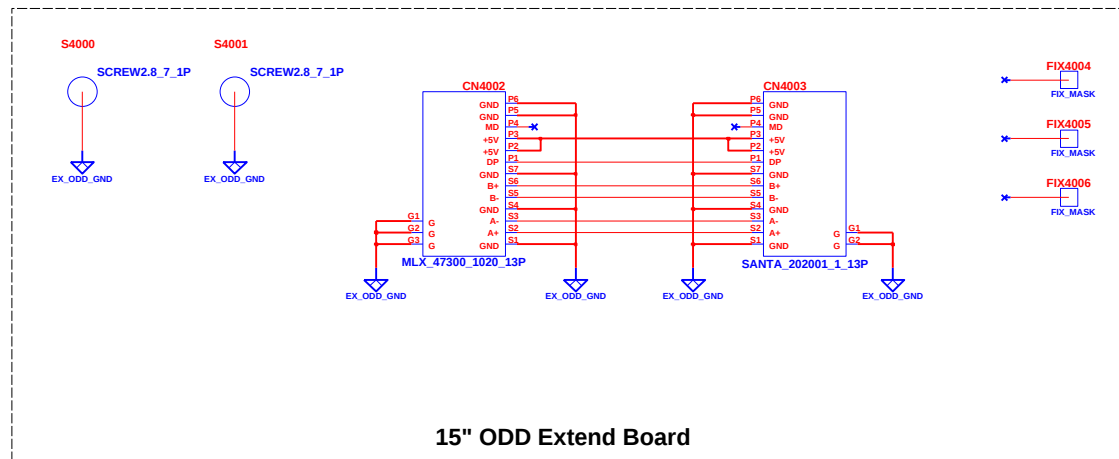
INVENTEC

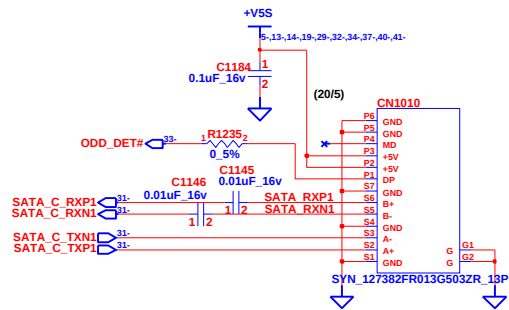
TITLE  
S-SERIES - Discrete  
S/B ICH9-5

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

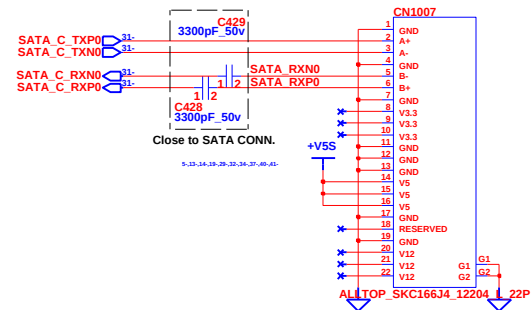
CHANGE by Drawers Name 31-Mar-2008

SHEET 35 OF 54

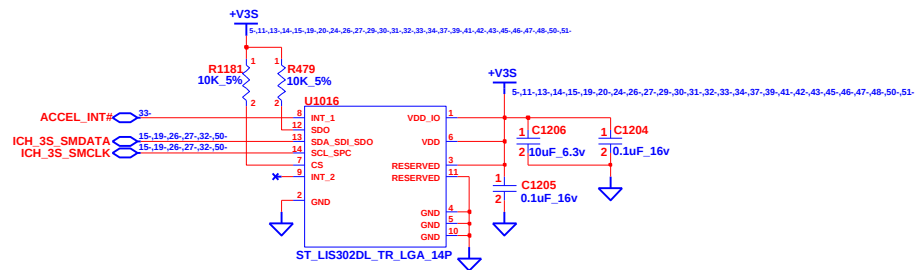




SATA ODD



SATA HDD

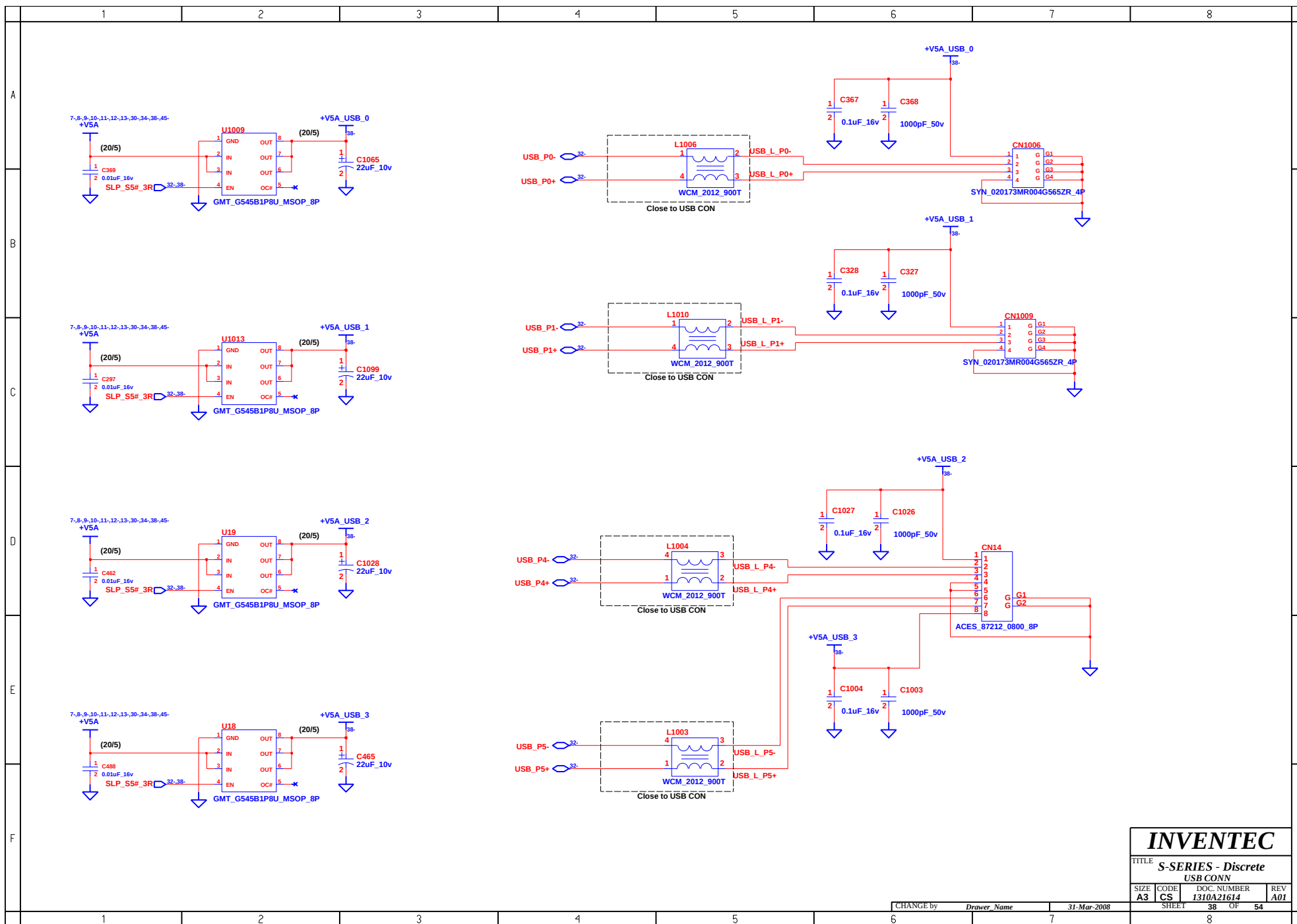


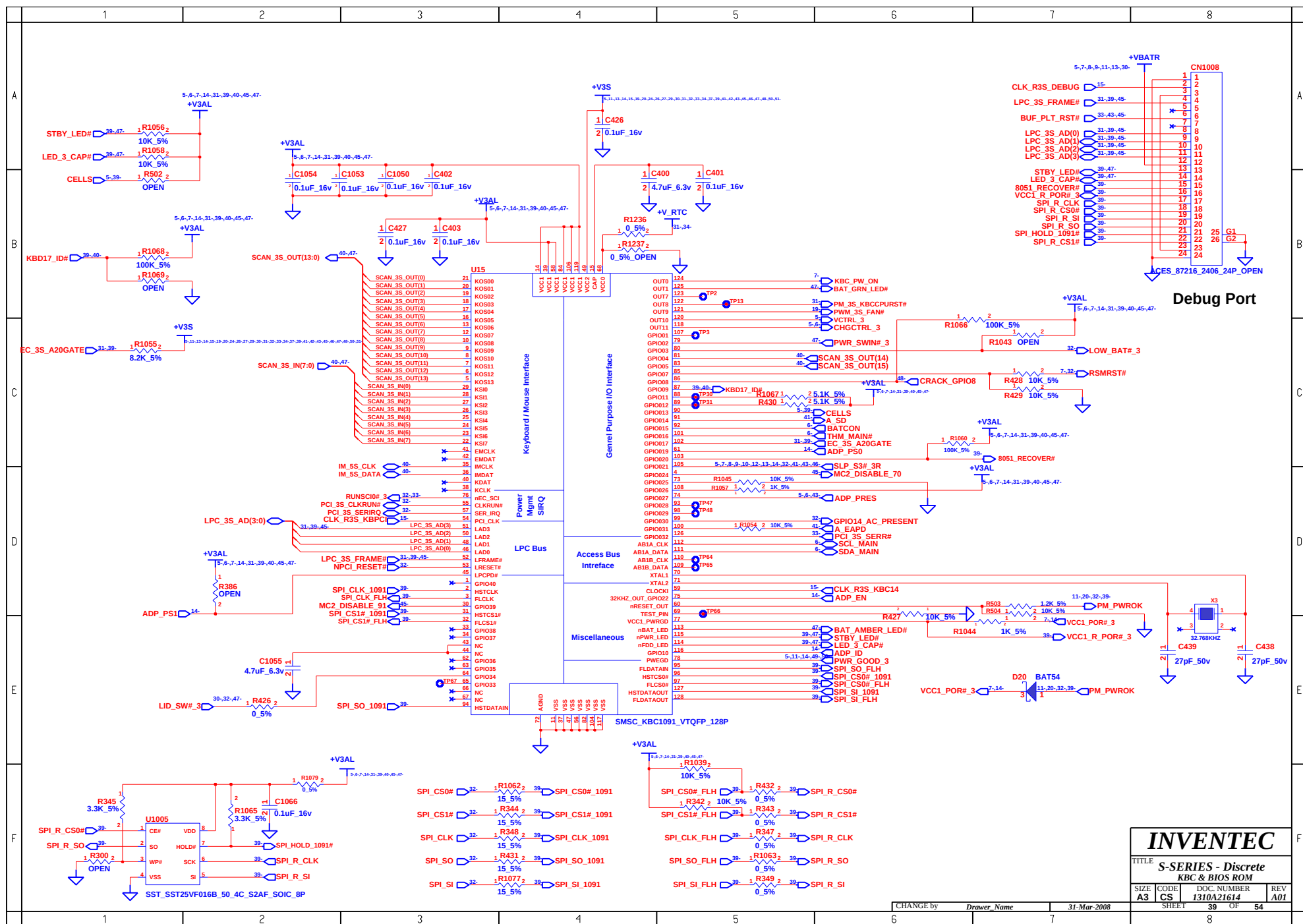
Accelerometer

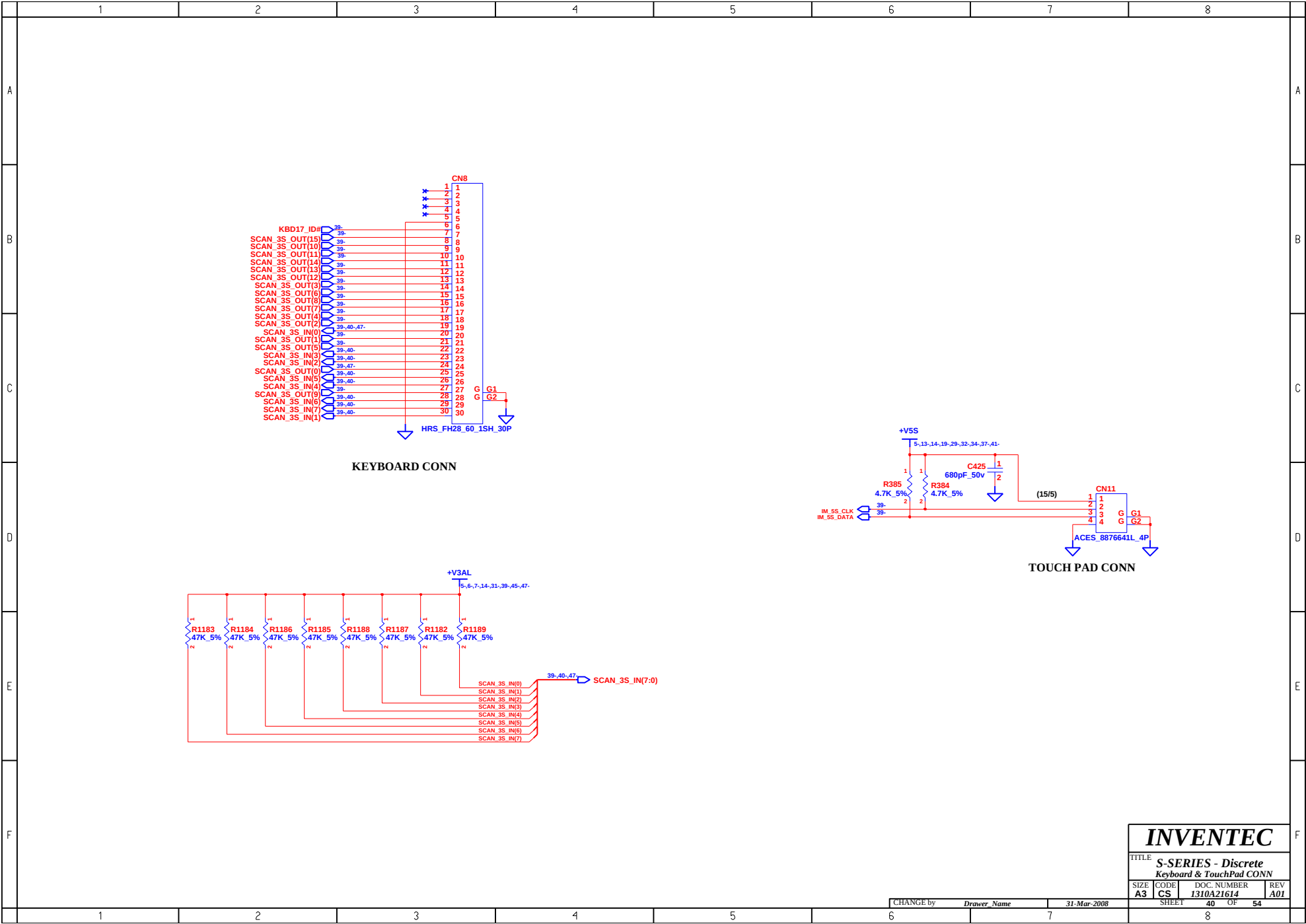
| INVENTEC                       |      |             |     |
|--------------------------------|------|-------------|-----|
| TITLE                          |      |             |     |
| S-SERIES - Discrete            |      |             |     |
| HDD & ODD CONN & Accelerometer |      |             |     |
| SIZE                           | CODE | DOC. NUMBER | REV |
| A3                             | CS   | I310A21614  | A01 |

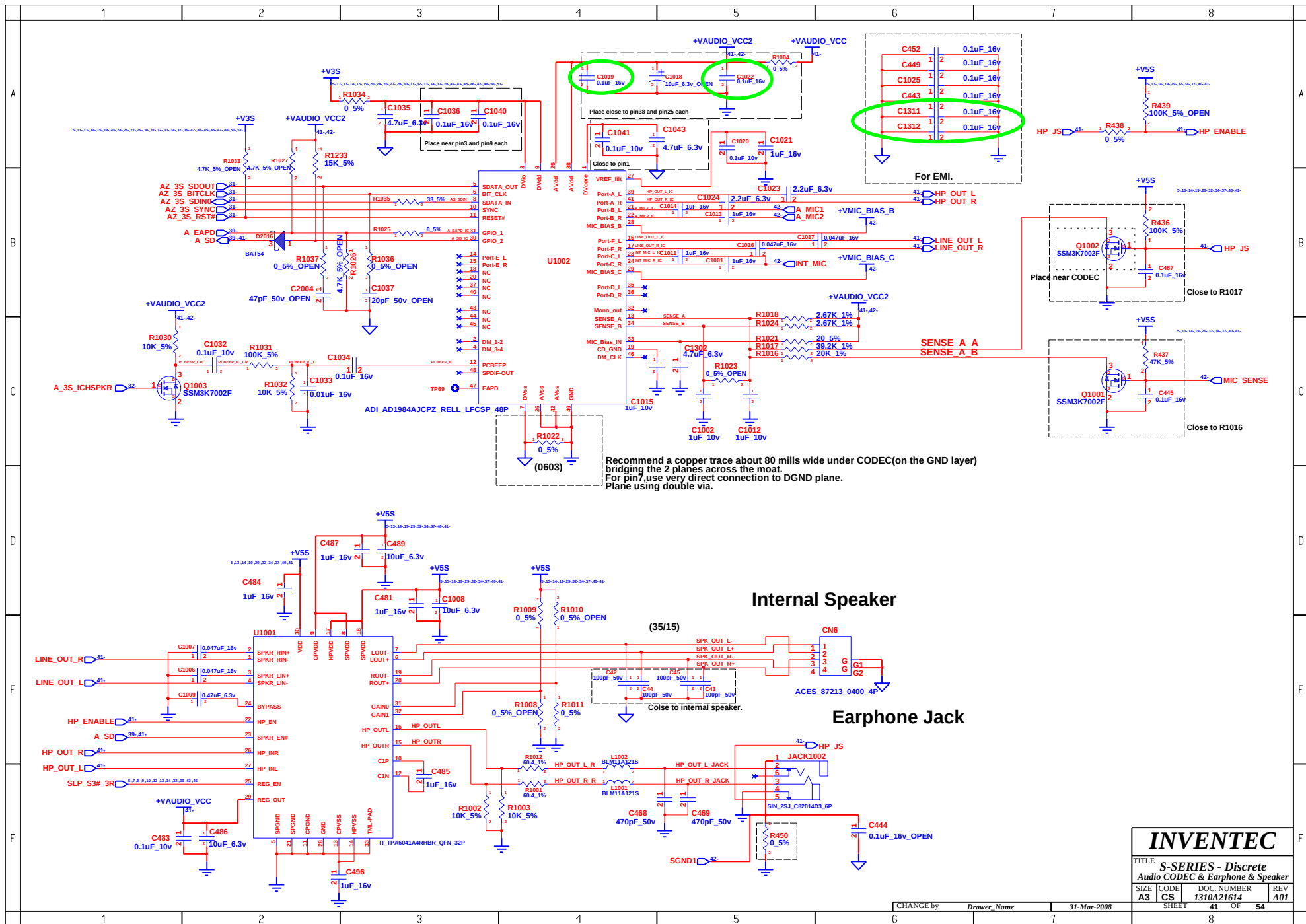
CHANGE by *Drawer Name* 31-Mar-2008

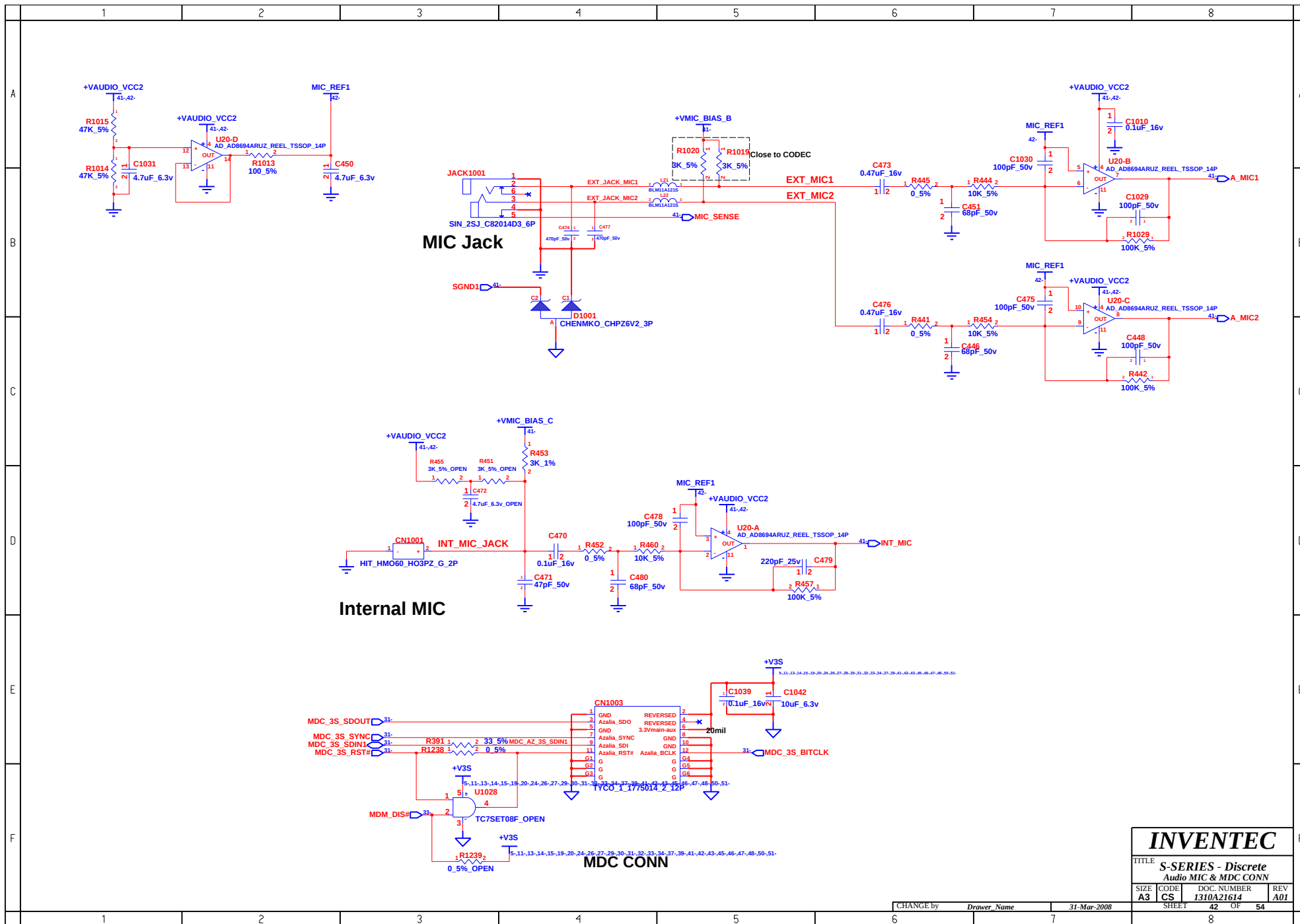
SHEET 37 OF 54











**INVENTEC**

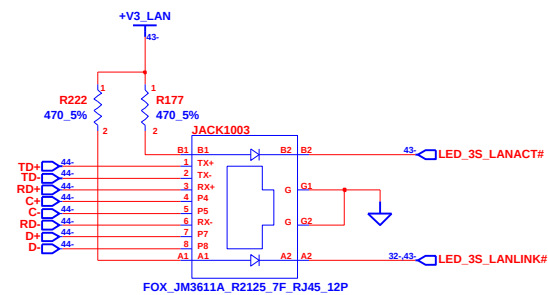
TITLE  
**S-SERIES - Discrete**  
Audio MIC & MDC CONN

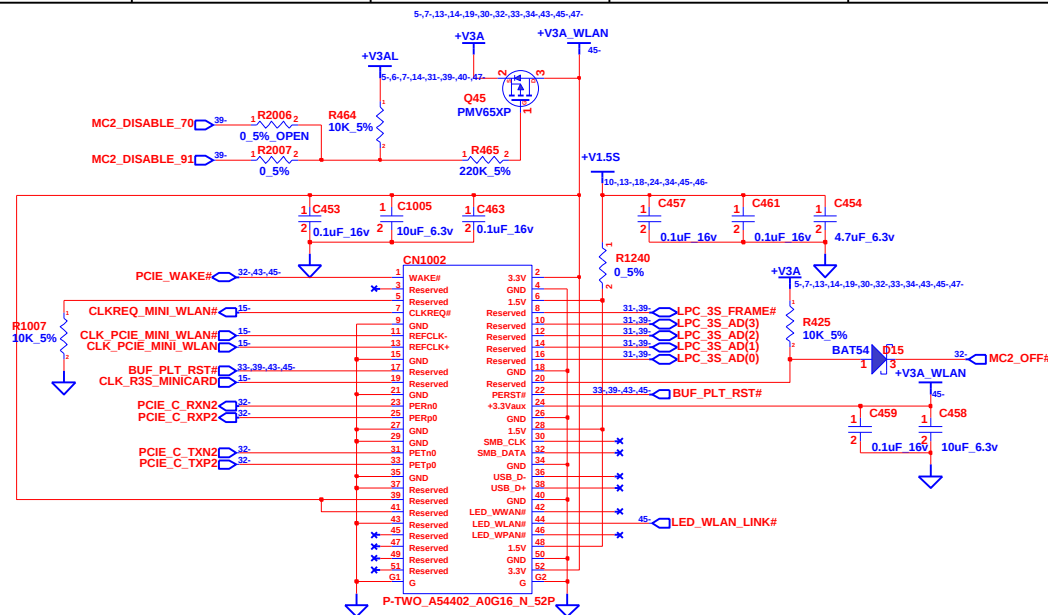
|            |            |                           |            |
|------------|------------|---------------------------|------------|
| SIZE<br>A3 | CODE<br>CS | DOC. NUMBER<br>I310A21614 | REV<br>A01 |
|------------|------------|---------------------------|------------|

CHANGE by *Drawer Name* 31-Mar-2008

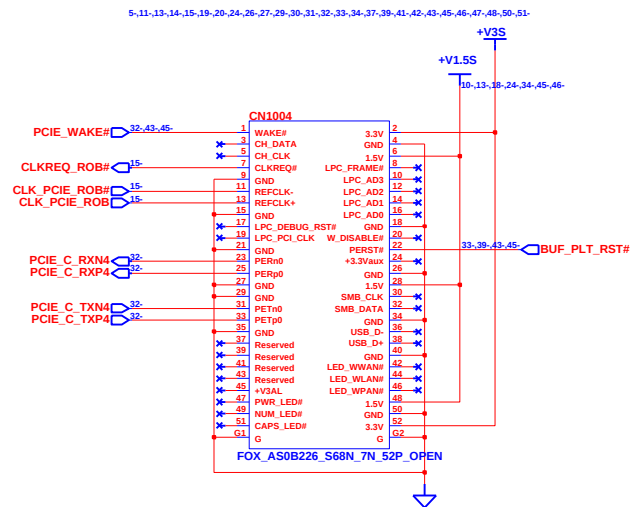
SHEET 42 OF 54



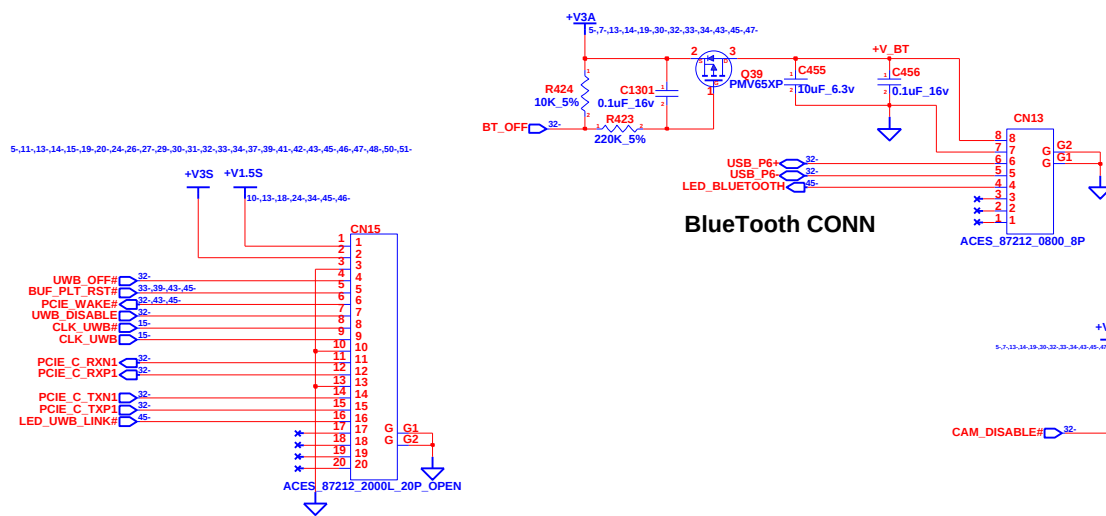




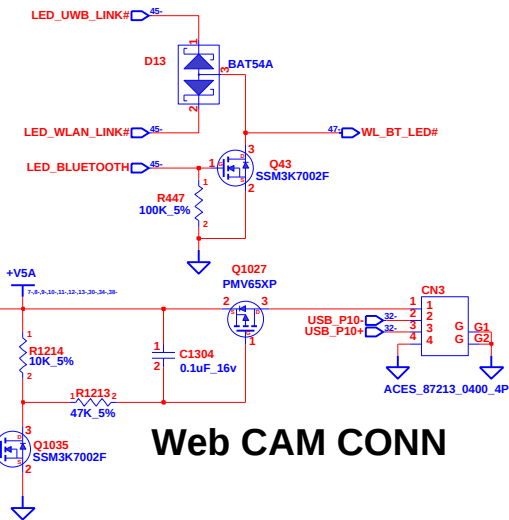
Mini Card-WLAN



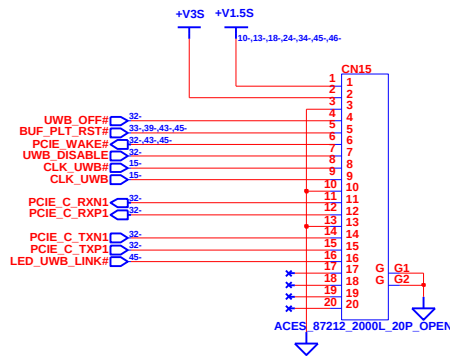
MINI Card-Robson



BlueTooth CONN



Web CAM CONN

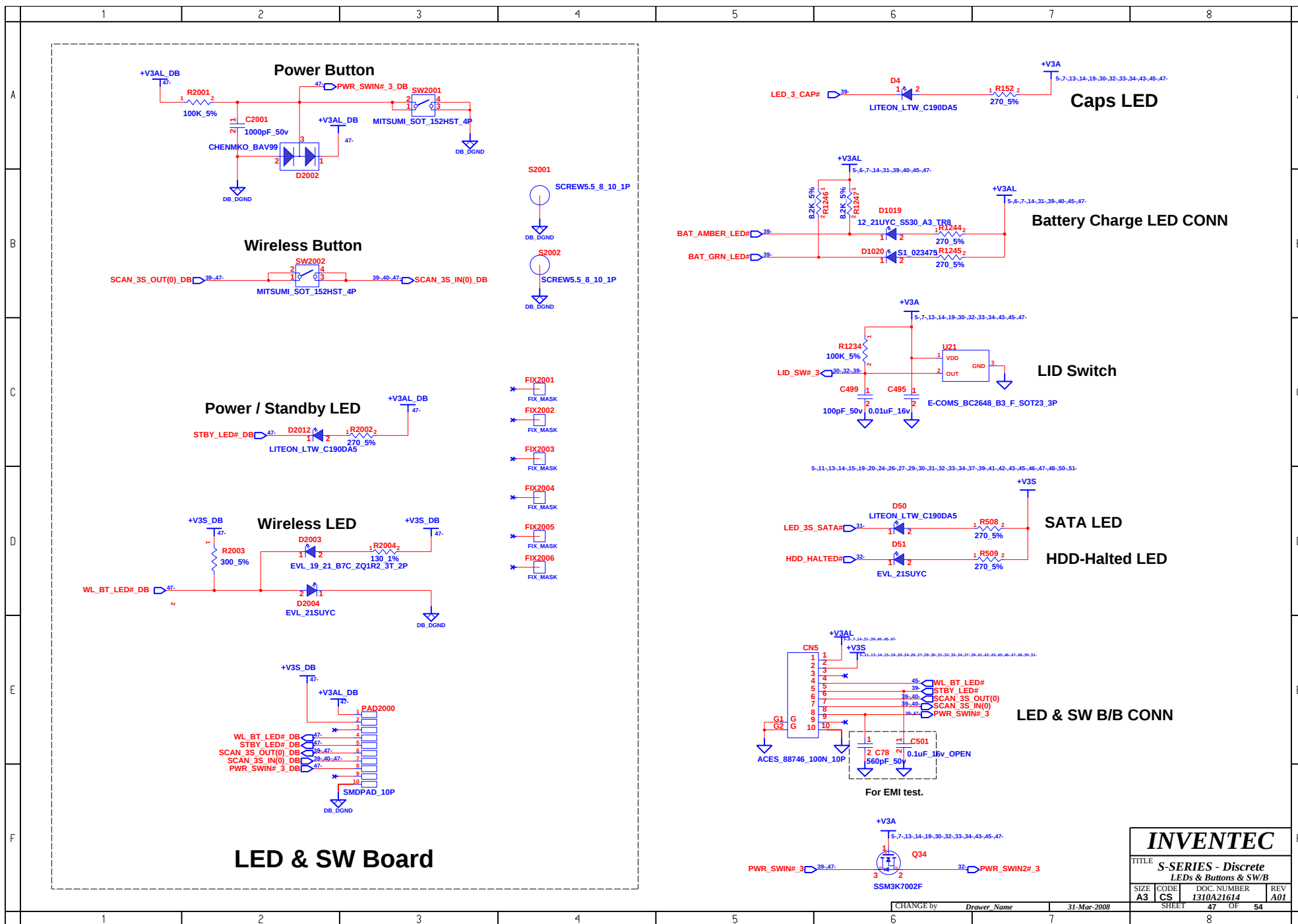


UWB

| INVENTEC                              |         |                        |         |
|---------------------------------------|---------|------------------------|---------|
| TITLE S-SERIES - Discrete             |         |                        |         |
| Mini Card(WLAN/Robson)/BT/UWB/Web-CAM |         |                        |         |
| SIZE A3                               | CODE CS | DOC. NUMBER 1310A21614 | REV A01 |
| SHEET 45                              |         | OF 54                  |         |

CHANGE by Drawer Name 31-Mar-2008





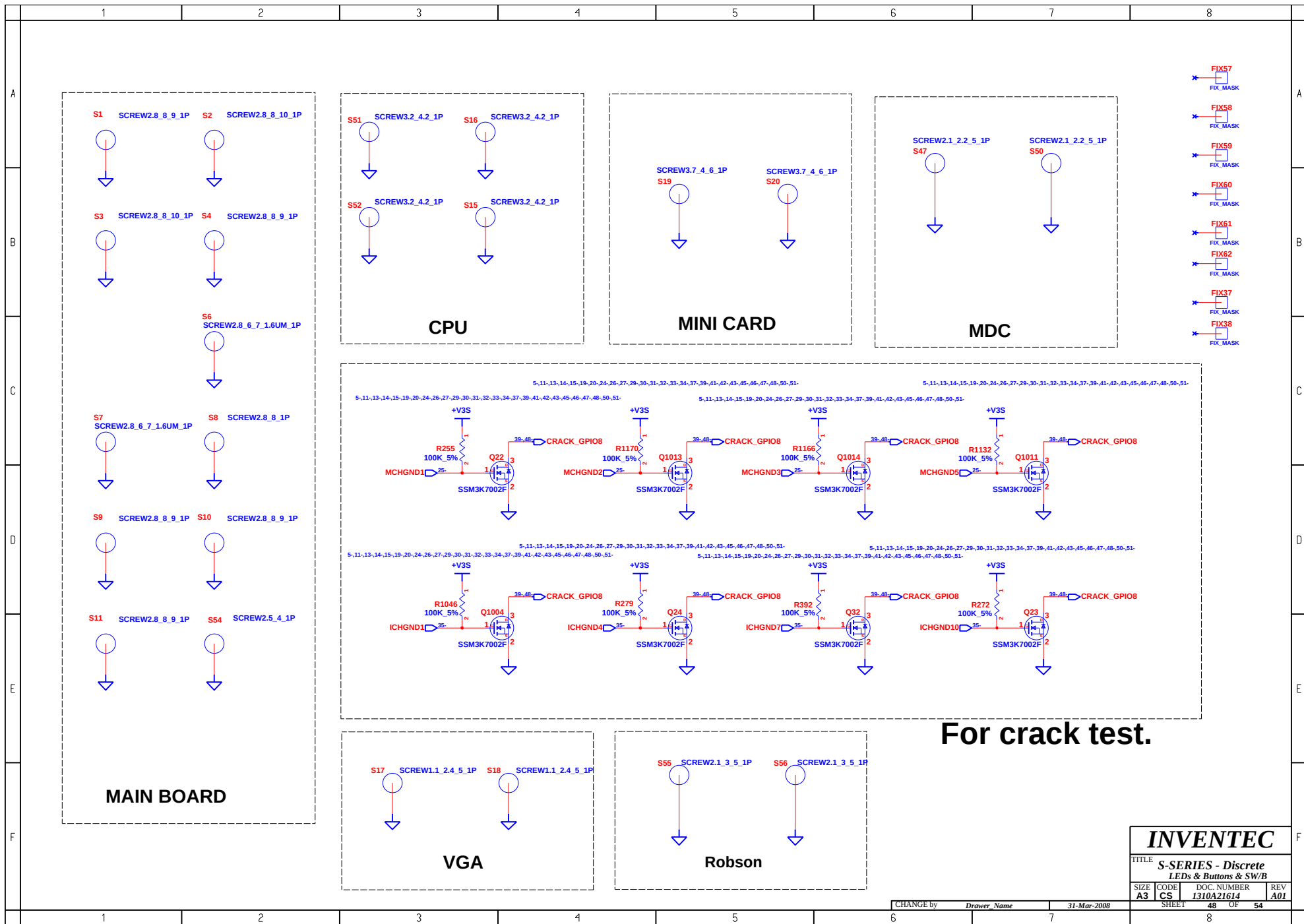
**INVENTEC**

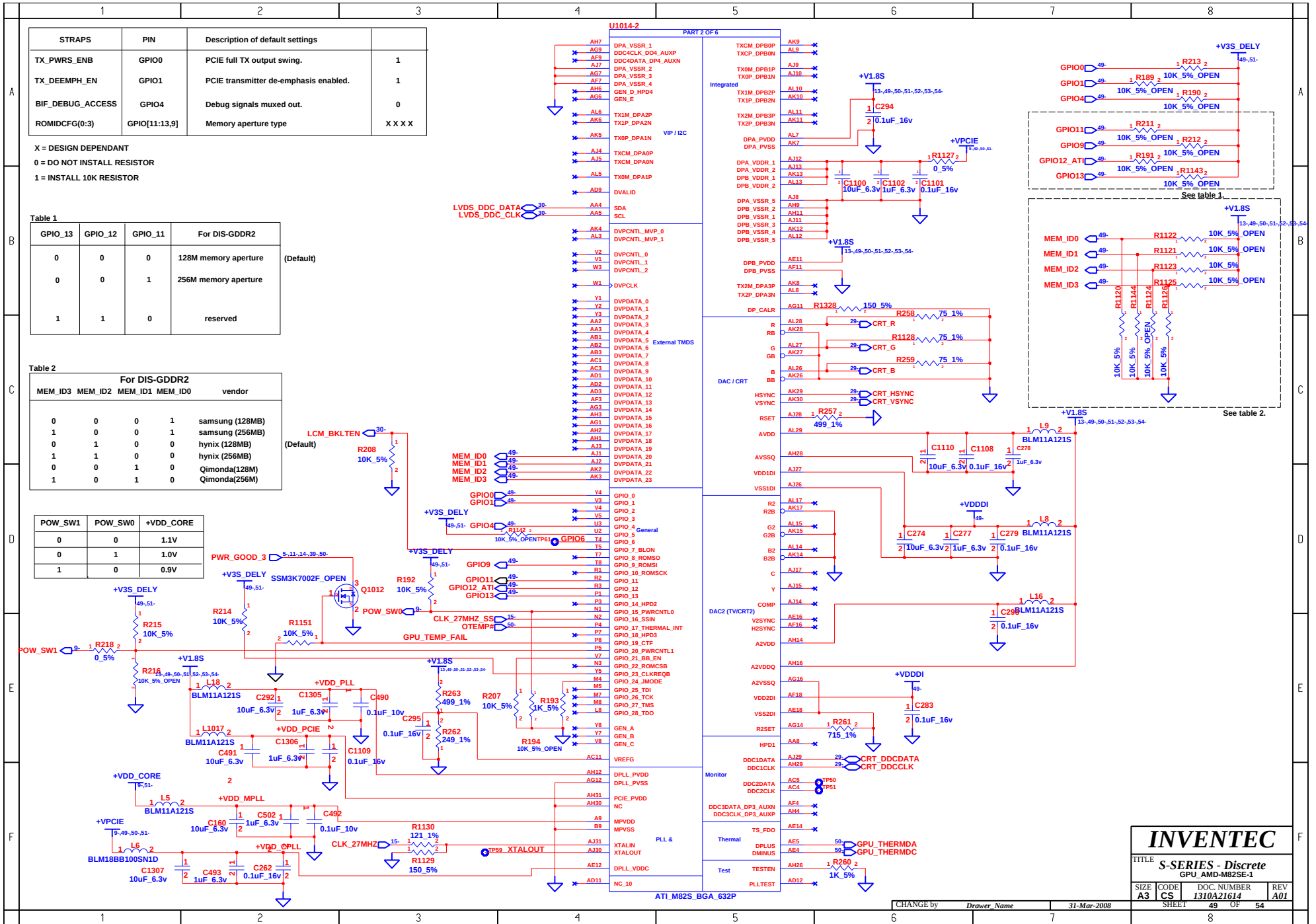
TITLE  
**S-SERIES - Discrete**  
LEDs & Buttons & SW/B

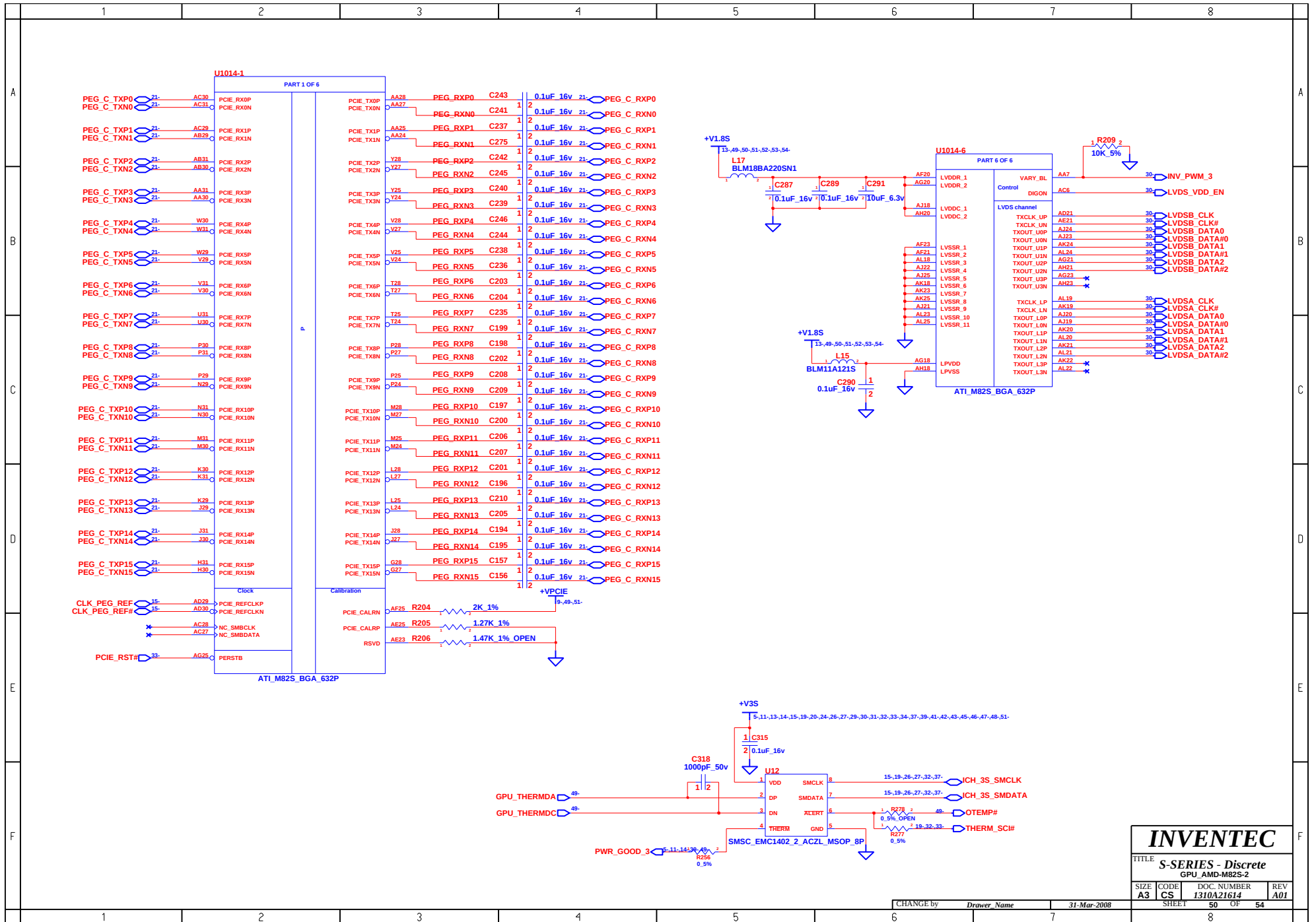
|                   |                   |                                  |                   |
|-------------------|-------------------|----------------------------------|-------------------|
| SIZE<br><b>A3</b> | CODE<br><b>CS</b> | DOC. NUMBER<br><b>I310A21614</b> | REV<br><b>A01</b> |
|-------------------|-------------------|----------------------------------|-------------------|

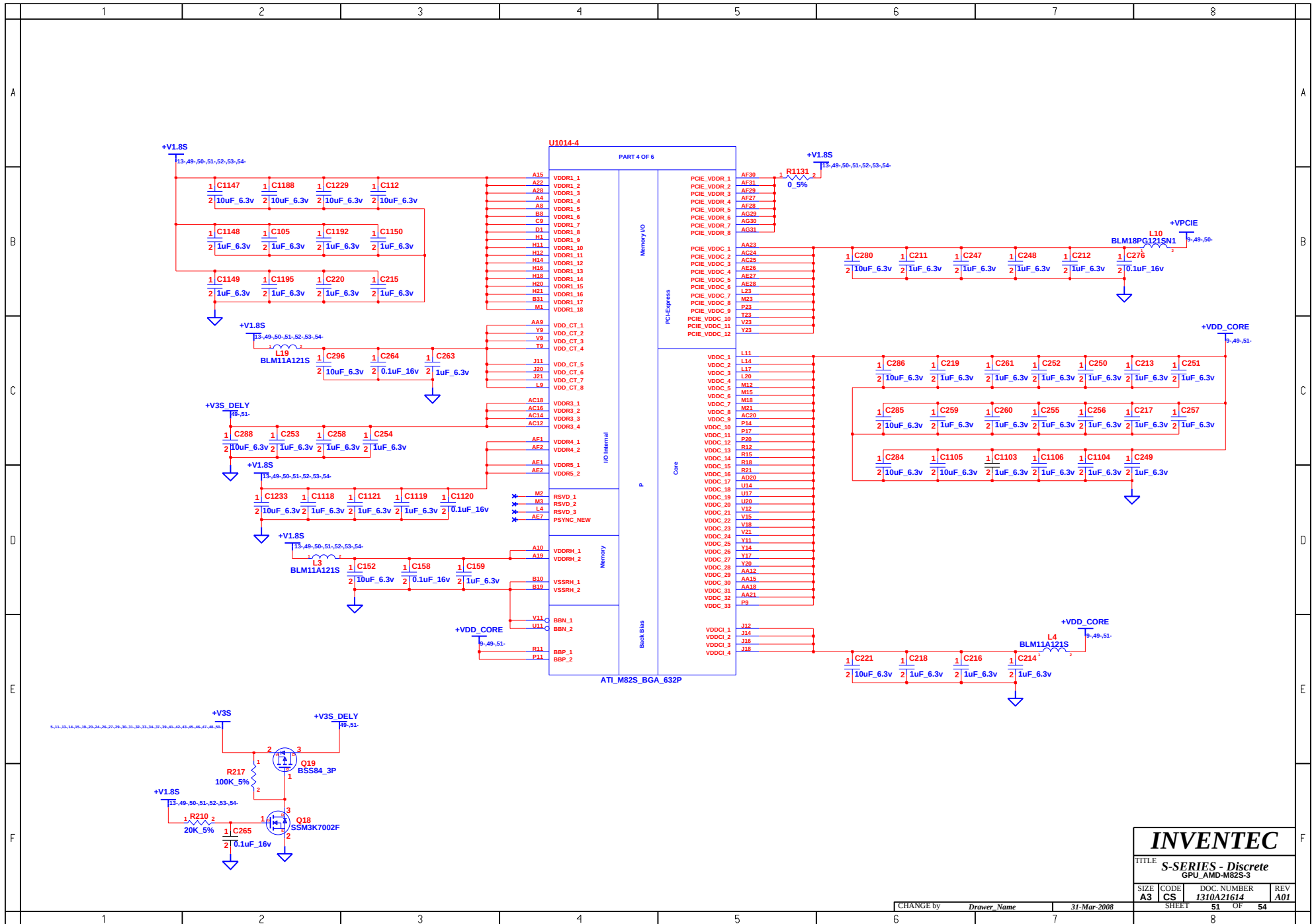
CHANGE by *Drawer Name* 31-Mar-2008

SHEET 47 OF 54









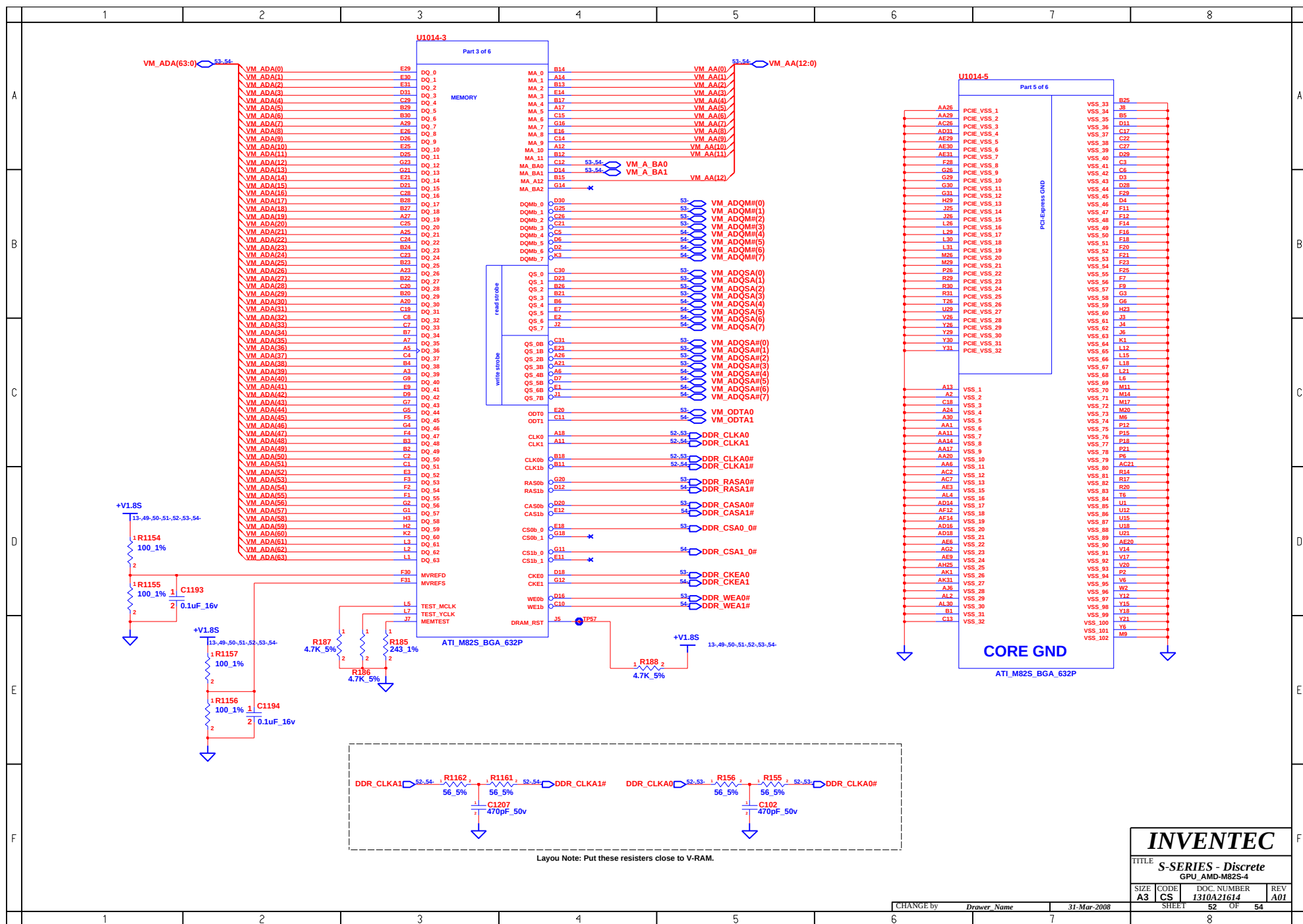
**INVENTEC**

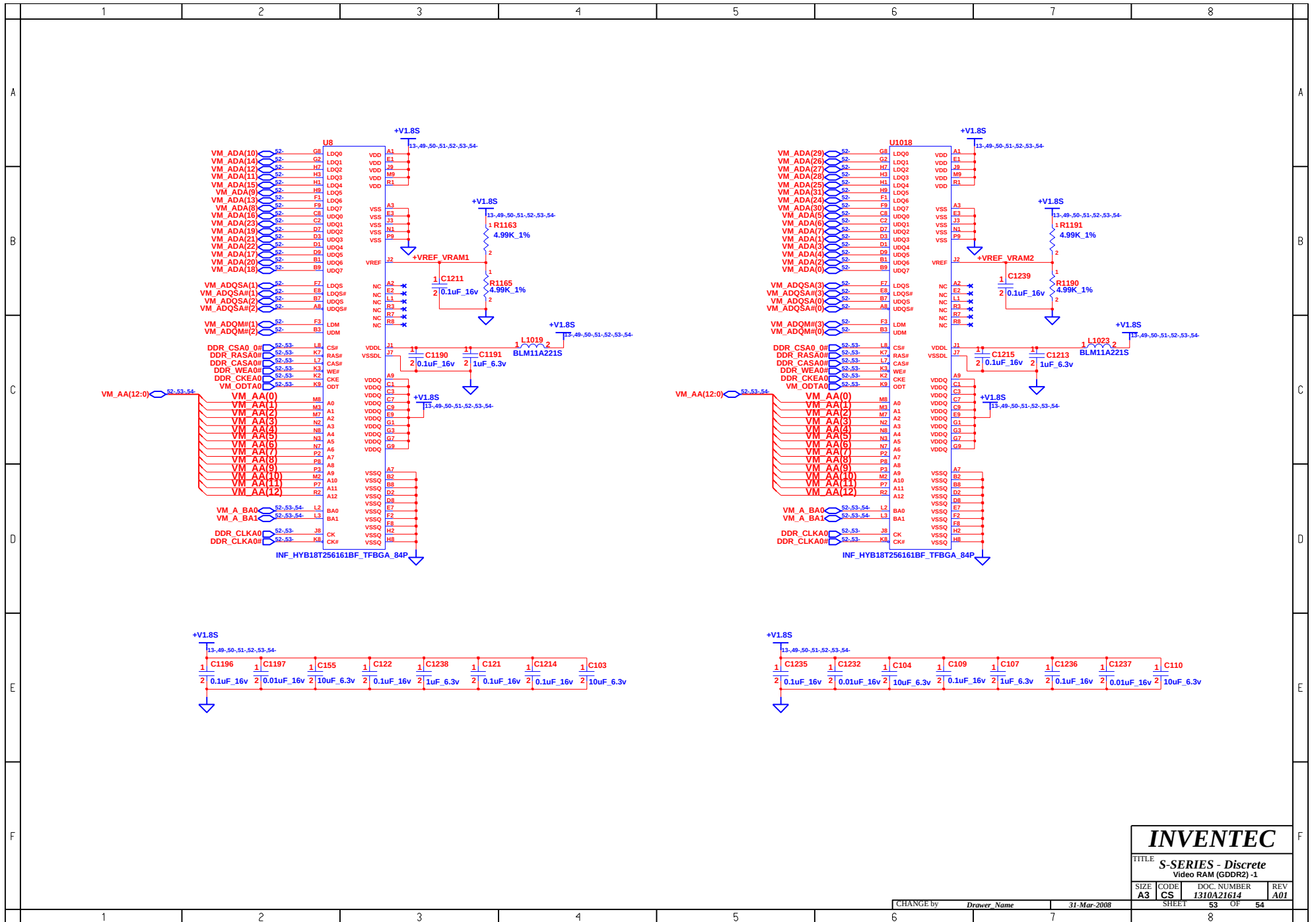
TITLE  
**S-SERIES - Discrete**  
GPU\_AMD-M82S-3

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

CHANGE by *Drawn Name* 31-Mar-2008

SHEET 51 OF 54





**INVENTEC**

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

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

CHANGE by *Drawn Name* 31-Mar-2008

SHEET 53 OF 54

