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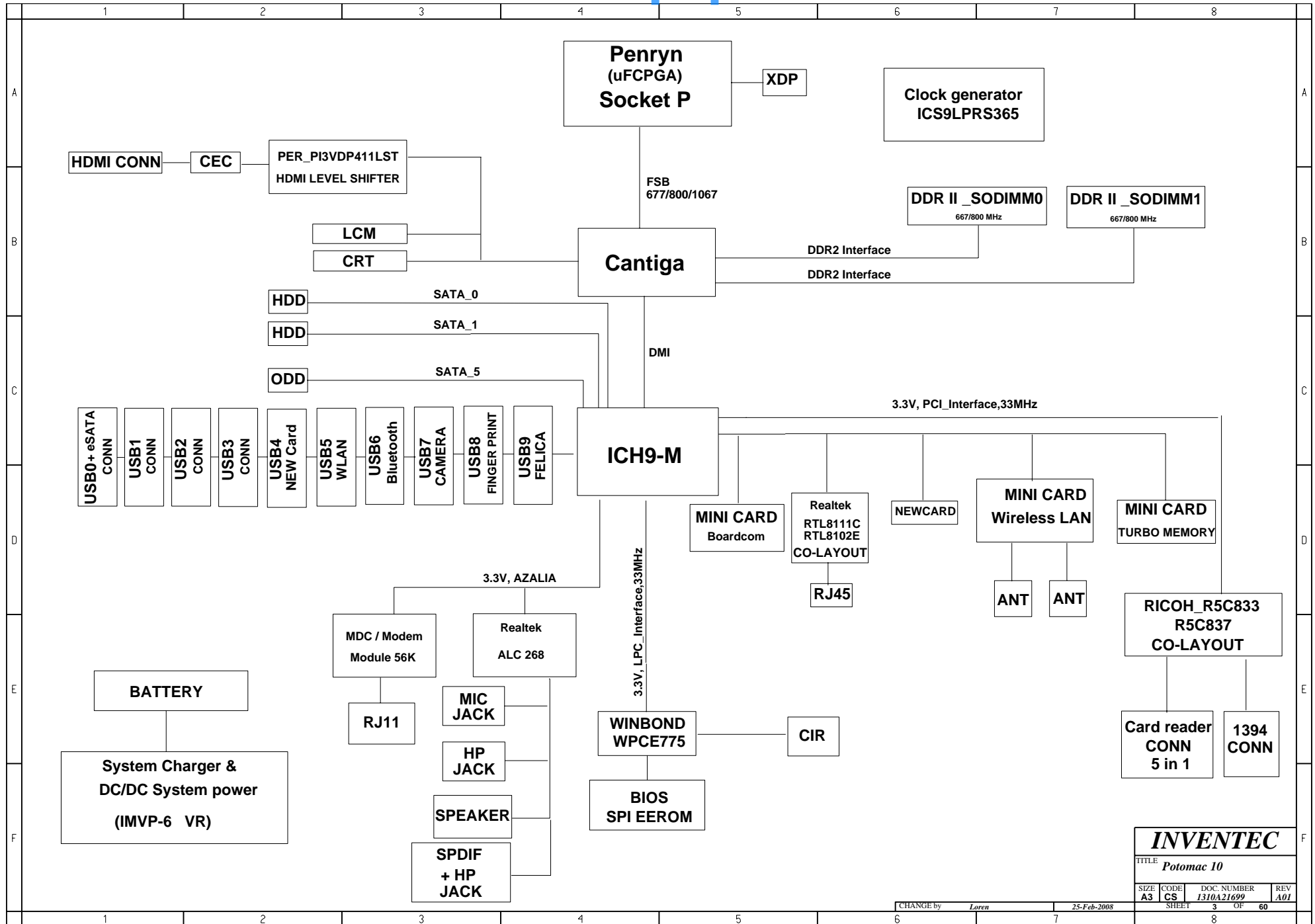
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INVENTEC

TITLE **Potomac 10**

SIZE A3	CODE CS	DOC. NUMBER 1310A21699	REV A01
SHEET 2		OF 60	

CHANGE by **Loren** 18-Feb-2008

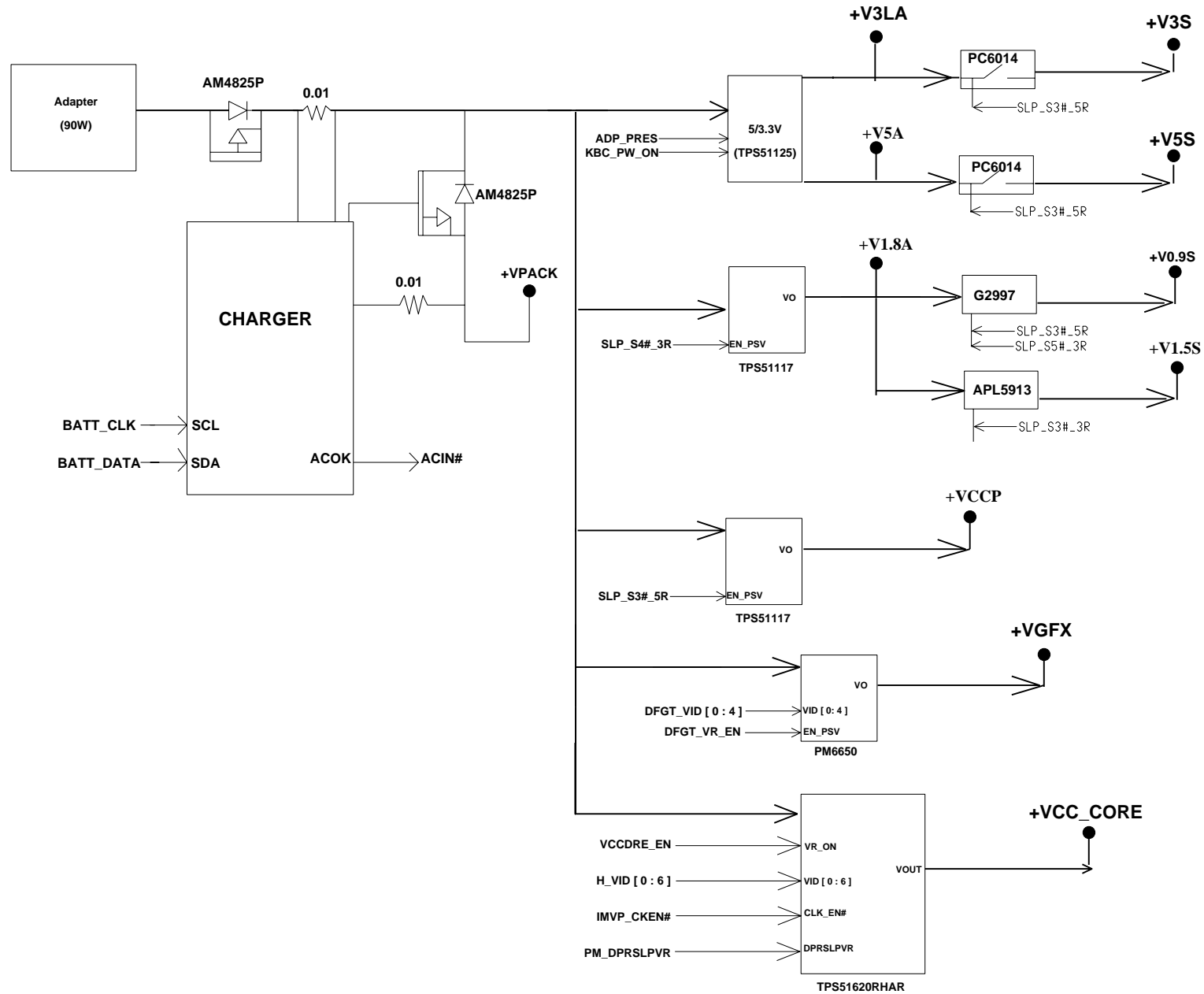


INVENTEC

TITLE
Potomac 10

SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
SHEET 3		OF 60	

CHANGE by **Loren** 25-Feb-2008

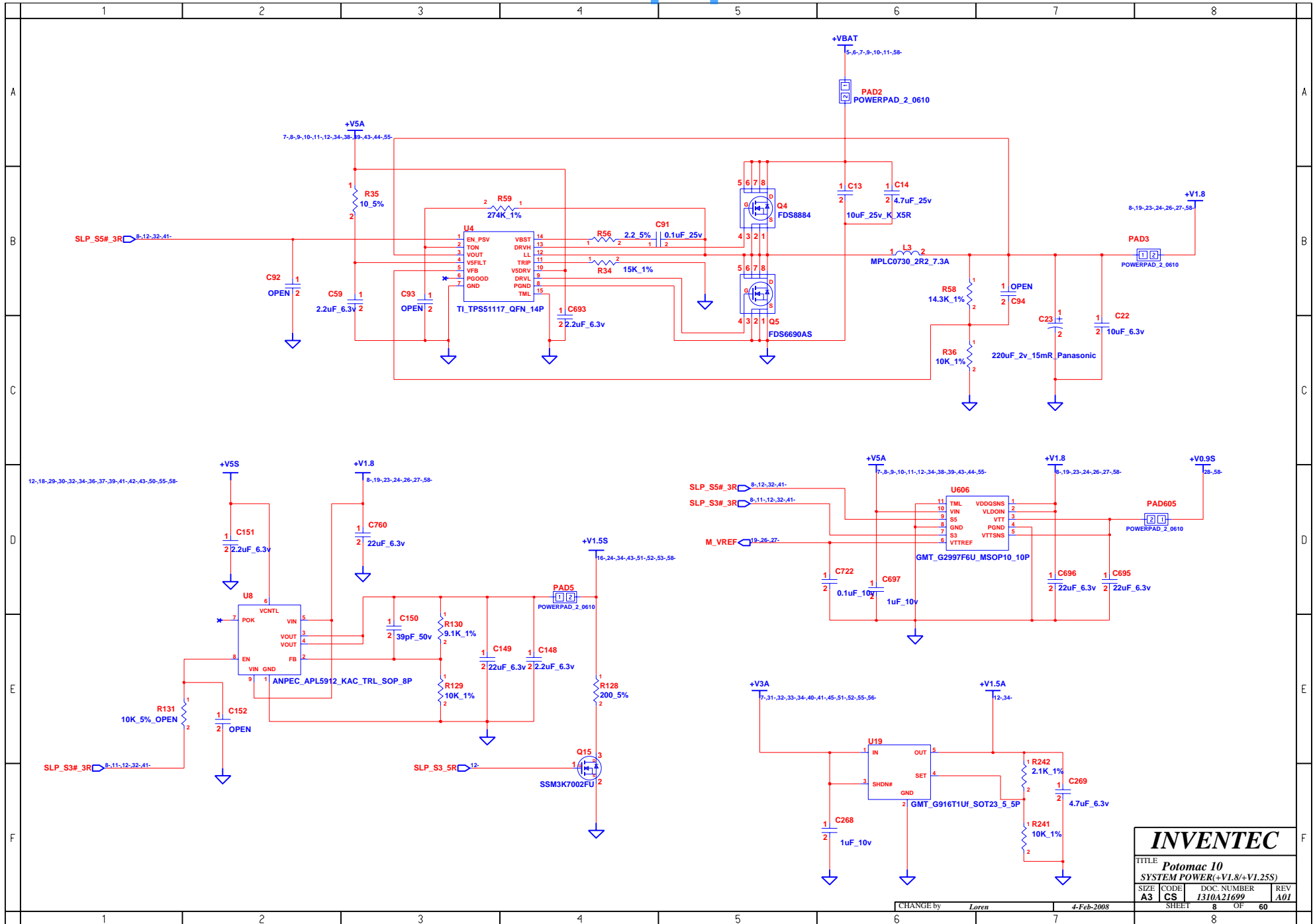


INVENTEC

TITLE
Potomac 10

SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
SHEET 4		OF 60	

CHANGE by *Loren* 4-Feb-2008

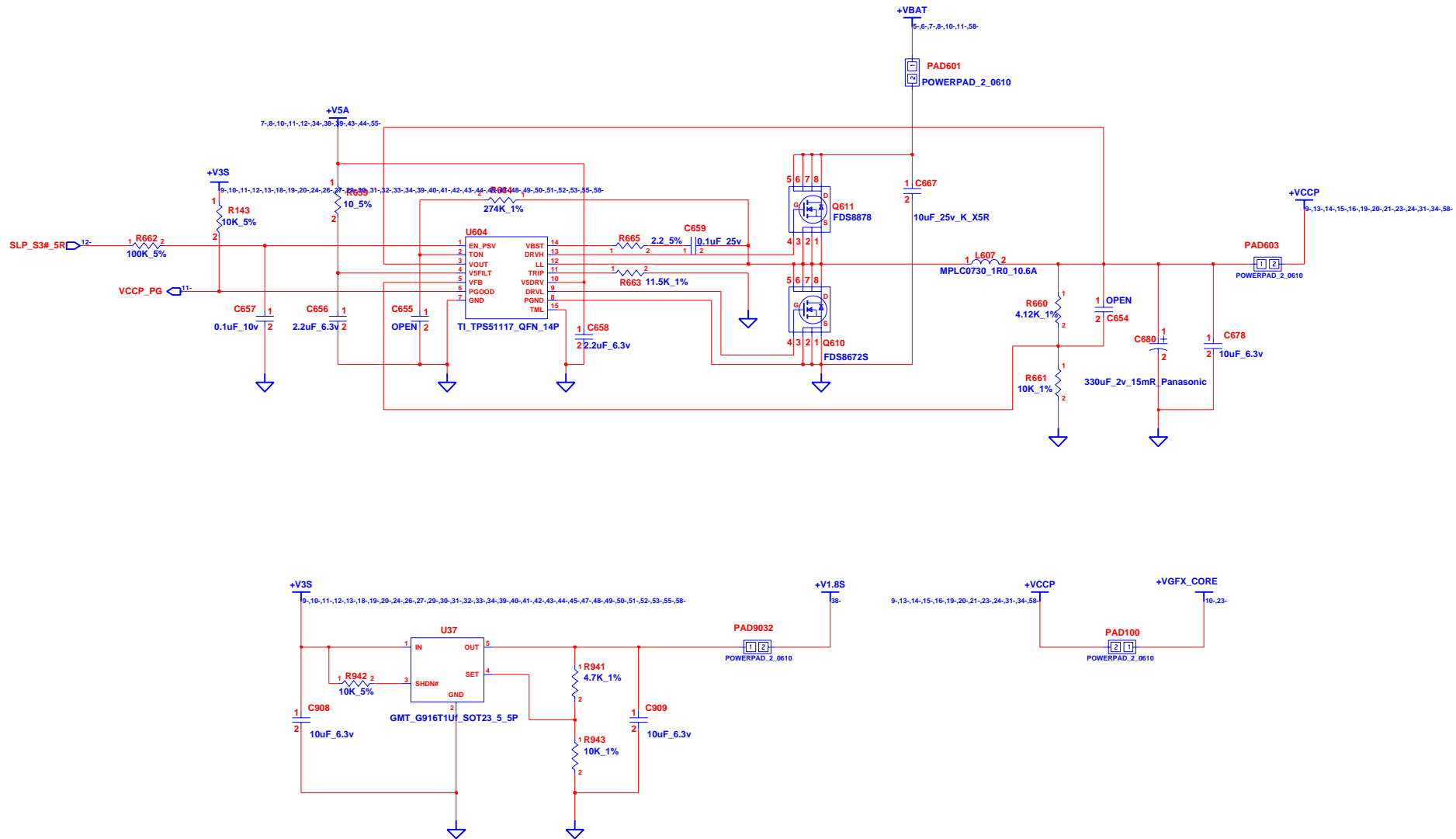


INVENTEC

TITLE			
Potomac 10			
SYSTEM POWER(+V1.8/+V1.25S)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21699	A01

CHANGE by Loren 4-Feb-2008

SHEET 8 OF 60



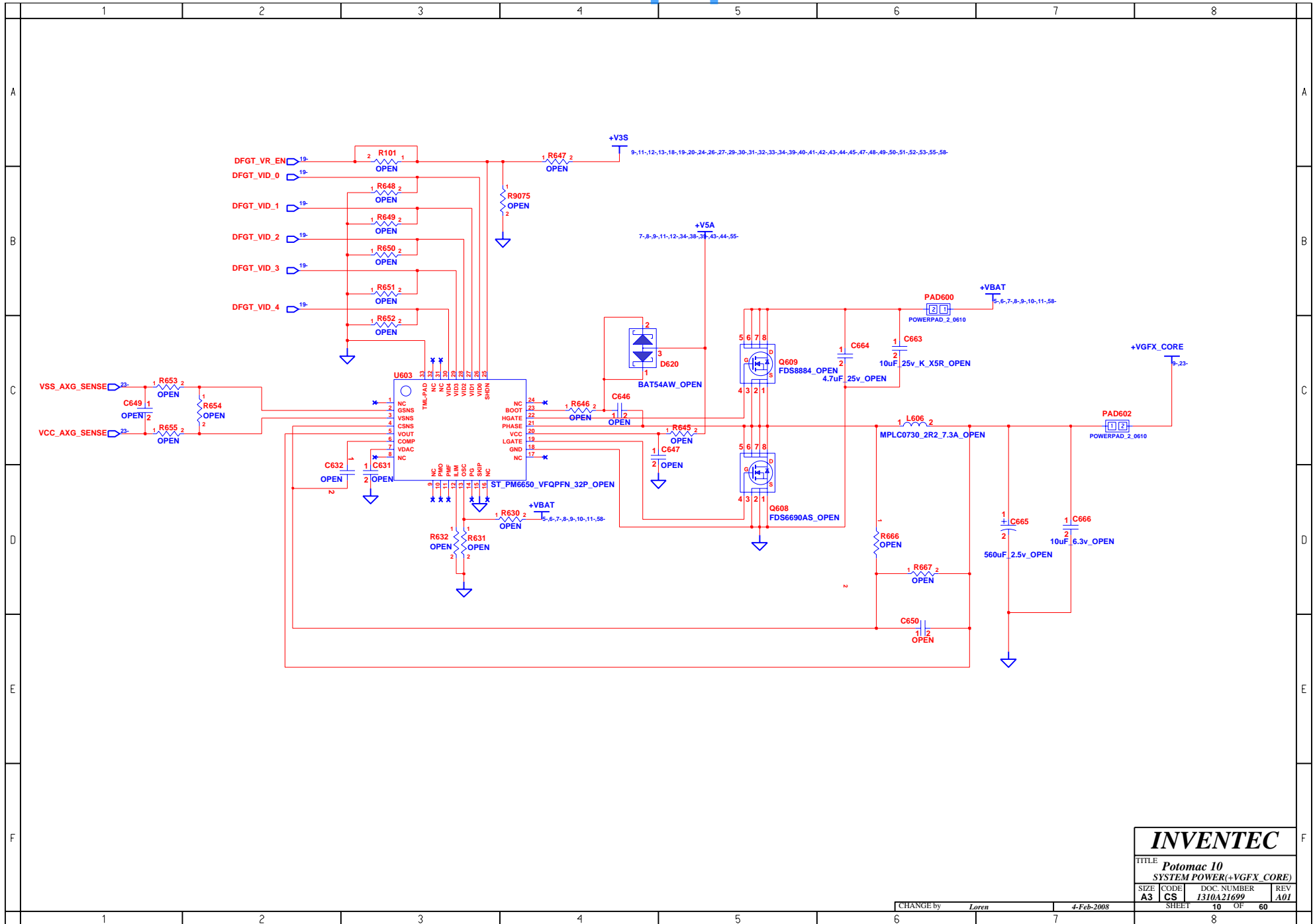
INVENTEC

TITLE
Potomac 10
GRAPHIC POWER (+VCCP/+V1.8S)

SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
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CHANGE by *Loren* 4-Feb-2008

SHEET 9 OF 60

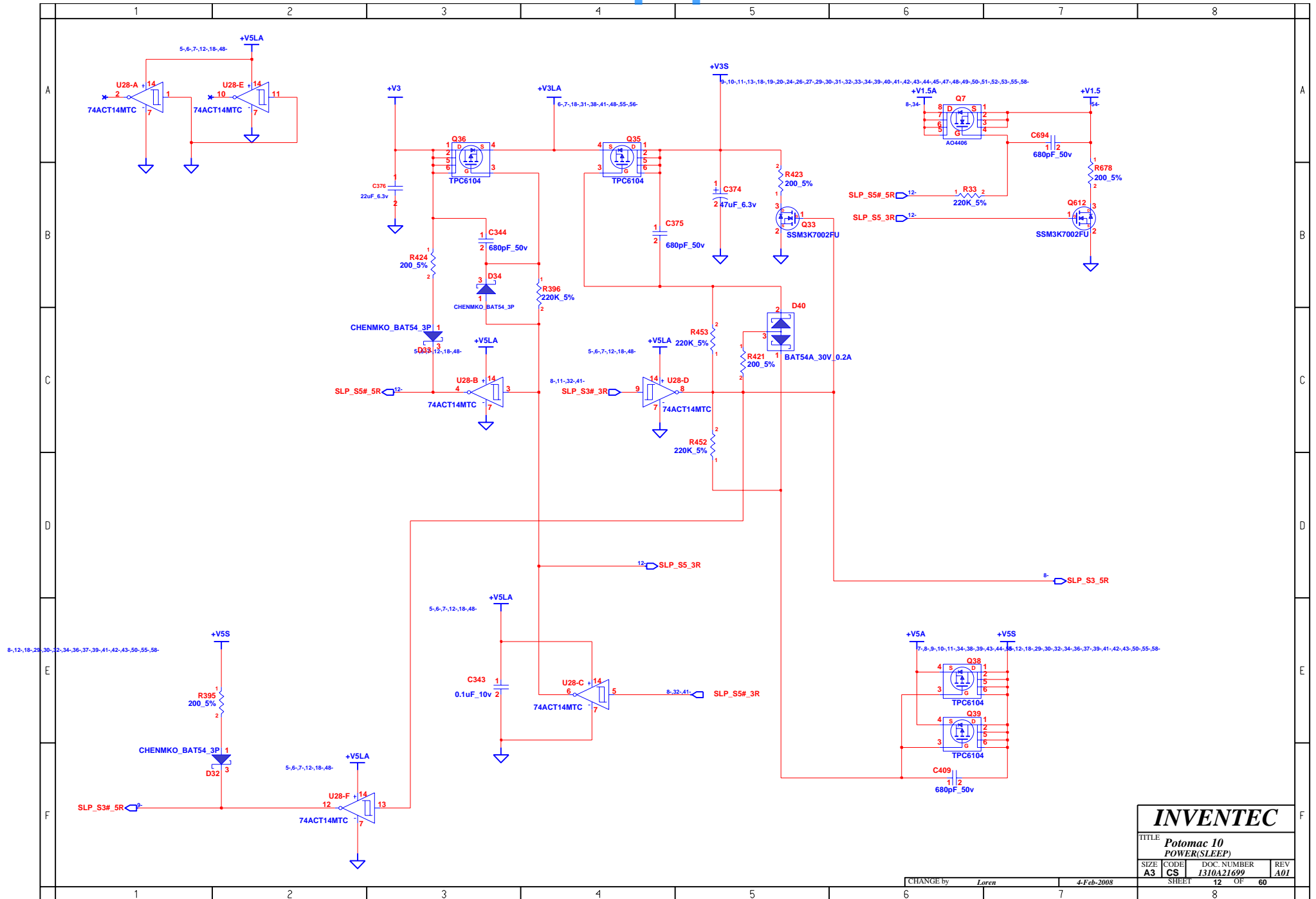


INVENTEC

TITLE			
Potomac 10			
SYSTEM POWER(+VGFX_CORE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

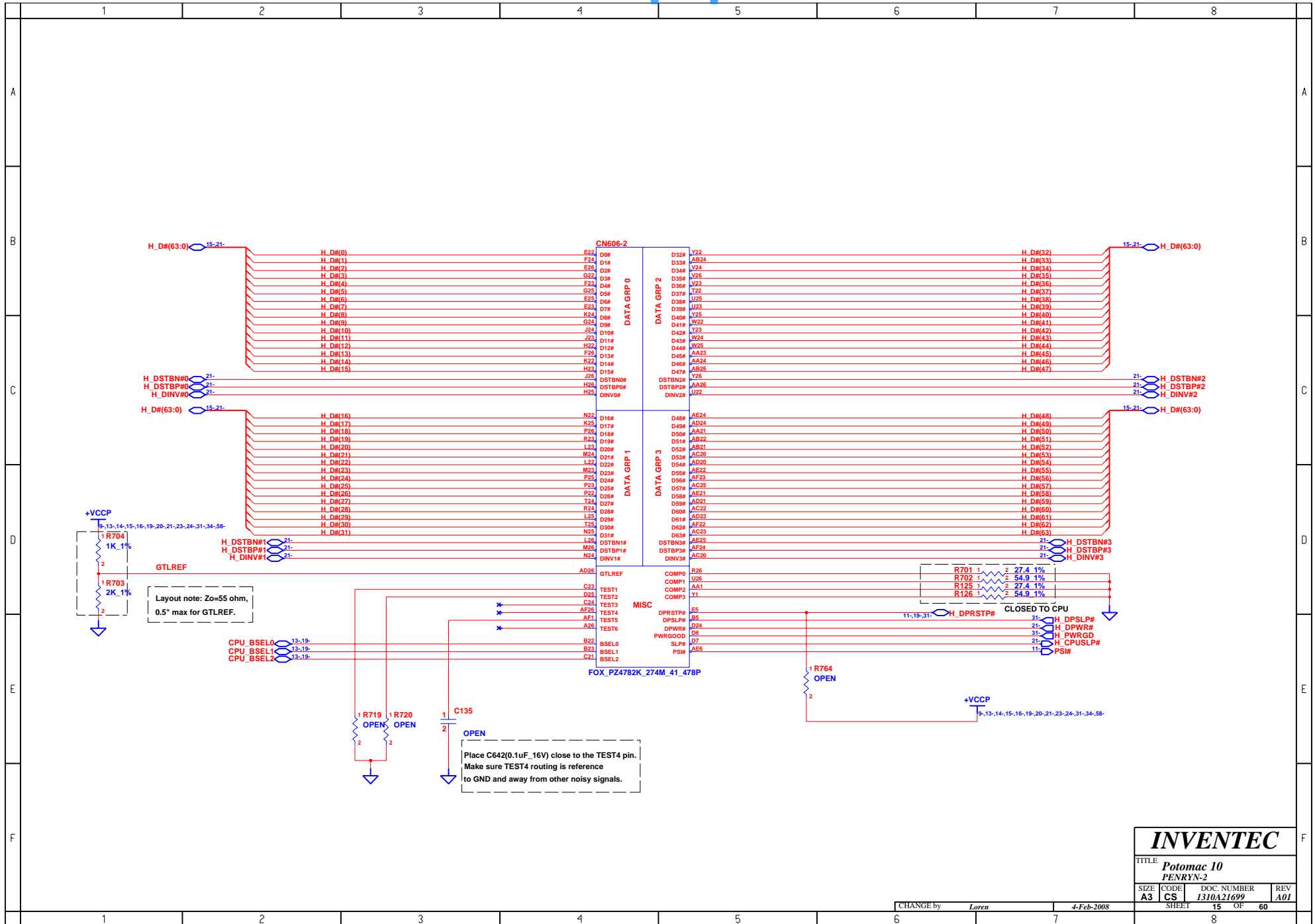
CHANGE by Loren 4-Feb-2008

SHEET 10 OF 60



INVENTEC			
TITLE Potomac 10 POWER(SLEEP)			
SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
SHEET		12	OF 60

CHANGE by Loren 4-Feb-2008



INVENTEC

TITLE Potomac 10 PENRYN-2			
SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
SHEET		15	OF 60

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A									A
B									B
C									C
D									D
E									E
F									F

CN606-4

A4

VSS001

A9

VSS002

A11

VSS003

A14

VSS004

A16

VSS005

A19

VSS006

A23

VSS007

AF2

VSS008

B6

VSS009

B9

VSS010

B11

VSS011

B13

VSS012

B16

VSS013

B19

VSS014

B21

VSS015

B24

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C5

VSS017

C8

VSS018

C11

VSS019

C14

VSS020

C16

VSS021

C19

VSS022

C2

VSS023

C22

VSS024

C25

VSS025

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VSS026

D4

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VSS079

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AA25

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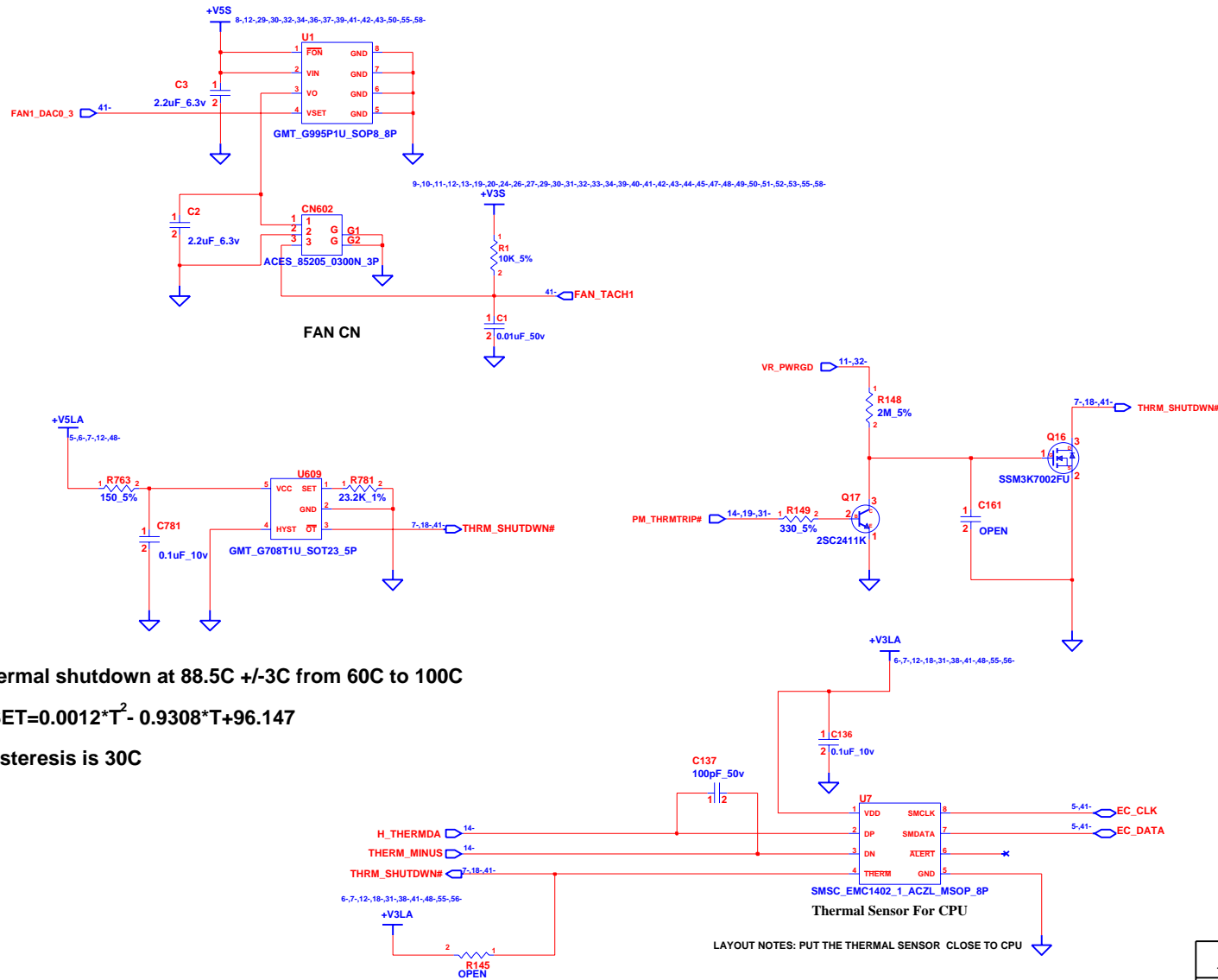
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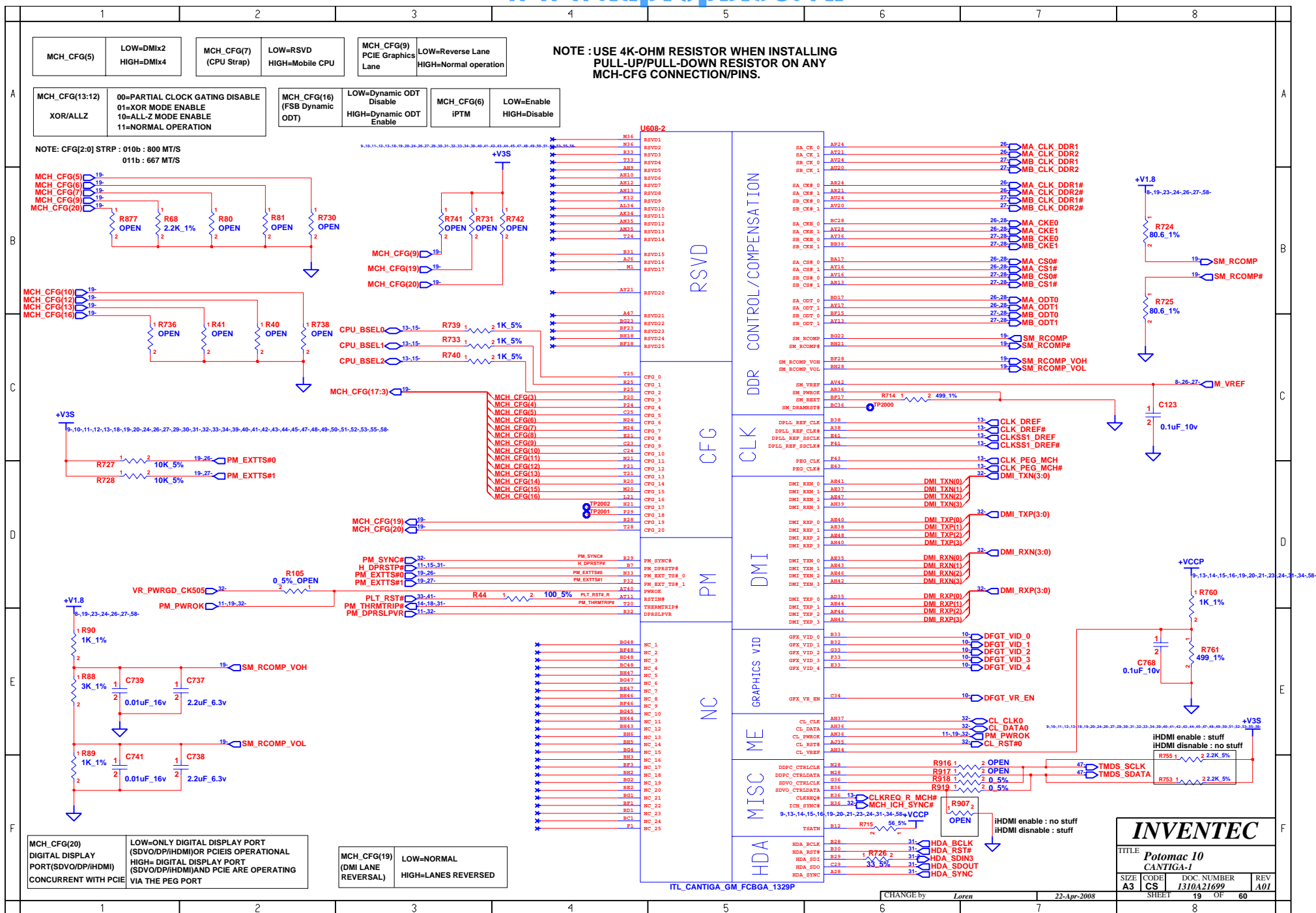
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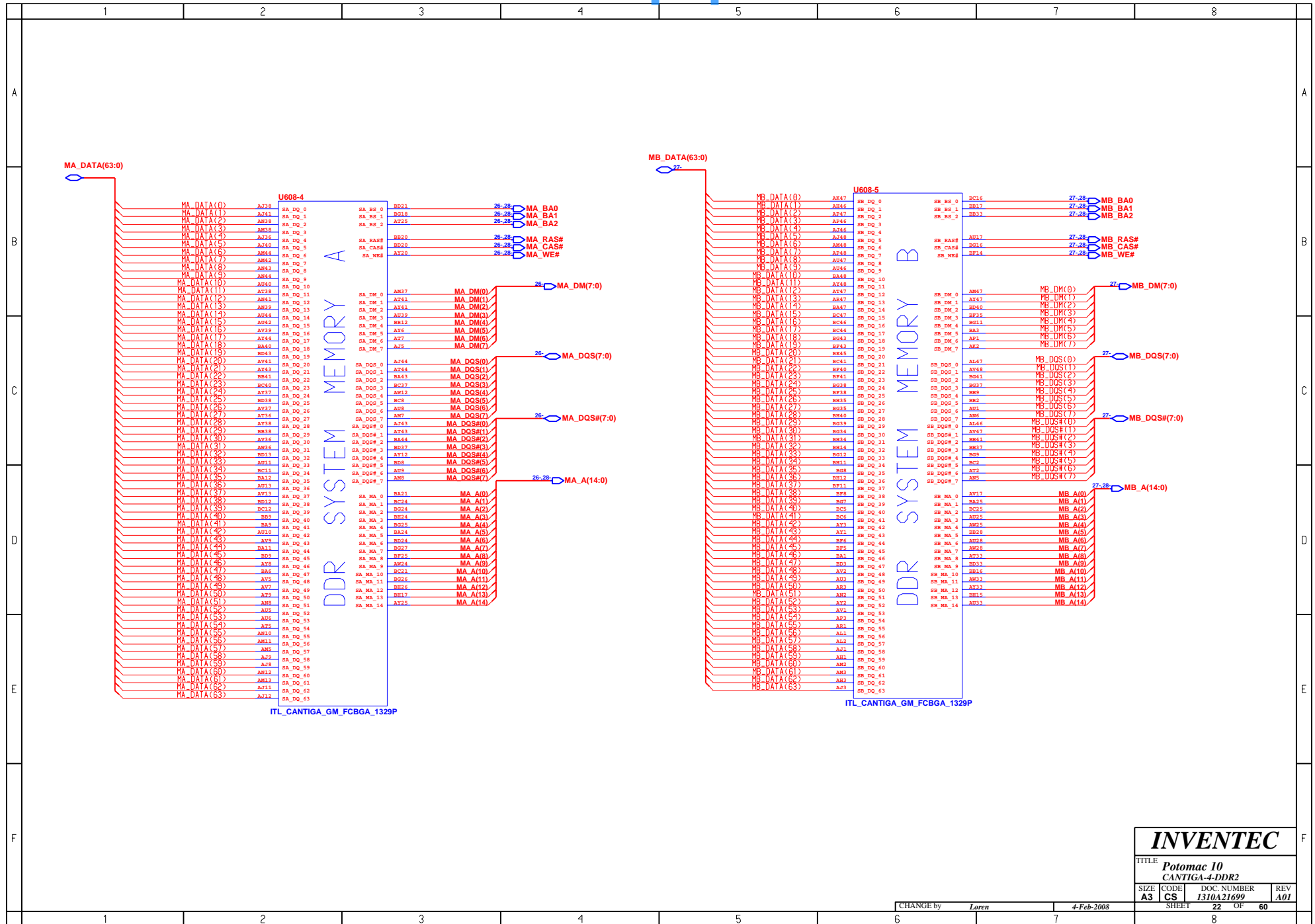
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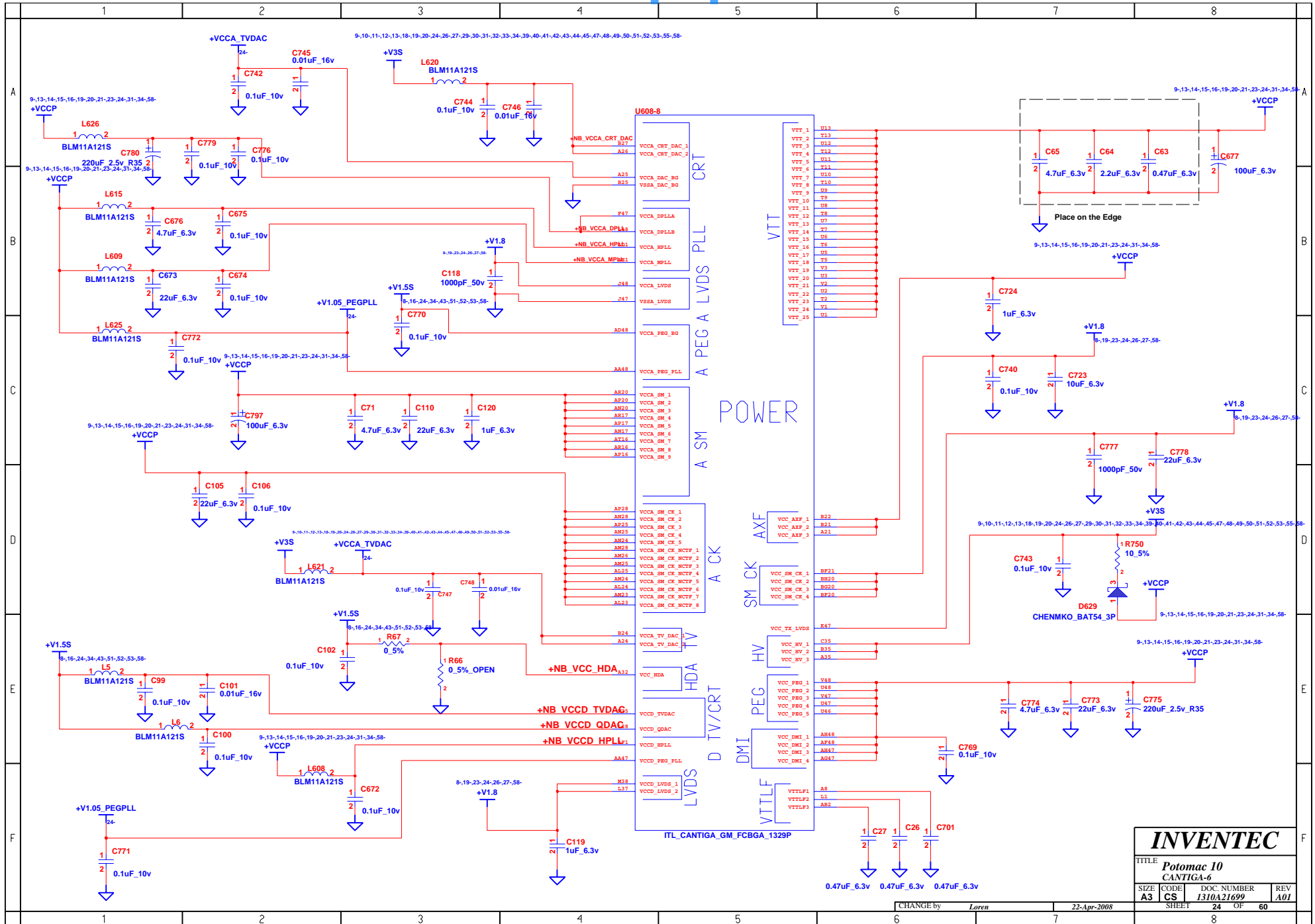
INVENTEC			
TITLE			
Potomac 10			
PENRYN-4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01
CHANGE by		Loren	4-Feb-2008
SHEET		17	OF 60



INVENTEC			
TITLE: Potomac 10 THERMAL&FAN CONTROLLER			
SIZE: A3	CODE: CS	DOC. NUMBER: I310A21699	REV: A01
CHANGE by: Loren		4-Feb-2008	
SHEET: 18		OF: 60	







	1	2	3	4	5	6	7	8				
A		<div><div>U608-9</div><div><div>AD48 VSS 1</div><div>AM48 VSS 2</div><div>AM48 VSS 3</div><div>AM47 VSS 4</div><div>AM47 VSS 5</div><div>AM47 VSS 6</div><div>AM47 VSS 7</div><div>AD47 VSS 8</div><div>AD47 VSS 9</div><div>AM47 VSS 10</div><div>Y47 VSS 11</div><div>Y47 VSS 12</div><div>Y47 VSS 13</div><div>Y47 VSS 14</div><div>Y47 VSS 15</div><div>BD46 VSS 16</div><div>BA46 VSS 17</div><div>AY46 VSS 18</div><div>AY46 VSS 19</div><div>AY46 VSS 20</div><div>AM46 VSS 21</div><div>Y46 VSS 22</div><div>Y46 VSS 23</div><div>Y46 VSS 24</div><div>Y46 VSS 25</div><div>Y46 VSS 26</div><div>BF44 VSS 27</div><div>AM44 VSS 28</div><div>AD44 VSS 29</div><div>AM44 VSS 30</div><div>Y44 VSS 31</div><div>Y44 VSS 32</div><div>Y44 VSS 33</div><div>Y44 VSS 34</div><div>Y44 VSS 35</div><div>Y44 VSS 36</div><div>AY43 VSS 37</div><div>AD43 VSS 38</div><div>AM43 VSS 39</div><div>Y43 VSS 40</div><div>Y43 VSS 41</div><div>Y43 VSS 42</div><div>Y43 VSS 43</div><div>Y43 VSS 44</div><div>AM42 VSS 45</div><div>AY42 VSS 46</div><div>AY42 VSS 47</div><div>Y42 VSS 48</div><div>Y42 VSS 49</div><div>BD41 VSS 50</div><div>AD41 VSS 51</div><div>AM41 VSS 52</div><div>AM41 VSS 53</div><div>AD41 VSS 54</div><div>AM41 VSS 55</div><div>Y41 VSS 56</div><div>Y41 VSS 57</div><div>Y41 VSS 58</div><div>Y41 VSS 59</div><div>Y41 VSS 60</div><div>Y41 VSS 61</div><div>BD40 VSS 62</div><div>BD40 VSS 63</div><div>AY40 VSS 64</div><div>AM40 VSS 65</div><div>BD40 VSS 66</div><div>Y40 VSS 67</div><div>AY39 VSS 68</div><div>AM39 VSS 69</div><div>AY39 VSS 70</div><div>AM39 VSS 71</div><div>Y39 VSS 72</div><div>Y39 VSS 73</div><div>Y39 VSS 74</div><div>BD38 VSS 75</div><div>BC38 VSS 76</div><div>BA38 VSS 77</div><div>AY38 VSS 78</div><div>AY38 VSS 79</div><div>AD38 VSS 80</div><div>AM38 VSS 81</div><div>Y38 VSS 82</div><div>Y38 VSS 83</div><div>Y38 VSS 84</div><div>Y38 VSS 85</div><div>Y38 VSS 86</div><div>Y38 VSS 87</div><div>BF37 VSS 88</div><div>BD37 VSS 89</div><div>AM37 VSS 90</div><div>AY37 VSS 91</div><div>AY37 VSS 92</div><div>AY37 VSS 93</div><div>Y37 VSS 94</div><div>Y37 VSS 95</div><div>BD36 VSS 96</div><div>BD36 VSS 97</div><div>AK15 VSS 98</div><div>AD36 VSS 99</div></div></div>	<div><div>AM36 VSS 100</div><div>AB36 VSS 101</div><div>P36 VSS 102</div><div>P36 VSS 103</div><div>P36 VSS 104</div><div>P36 VSS 105</div><div>B46 VSS 106</div><div>AB35 VSS 107</div><div>AA35 VSS 108</div><div>Y35 VSS 109</div><div>Y35 VSS 110</div><div>Y35 VSS 111</div><div>BF14 VSS 112</div><div>AM14 VSS 113</div><div>AY14 VSS 114</div><div>AF14 VSS 115</div><div>AF14 VSS 116</div><div>M14 VSS 117</div><div>Y34 VSS 118</div><div>Y34 VSS 119</div><div>Y34 VSS 120</div><div>BC13 VSS 121</div><div>BA13 VSS 122</div><div>AV13 VSS 123</div><div>AB13 VSS 124</div><div>AM13 VSS 125</div><div>AB13 VSS 126</div><div>Y33 VSS 127</div><div>Y33 VSS 128</div><div>Y33 VSS 129</div><div>Y33 VSS 130</div><div>Y33 VSS 131</div><div>Y33 VSS 132</div><div>Y33 VSS 133</div><div>Y33 VSS 134</div><div>Y33 VSS 135</div><div>Y33 VSS 136</div><div>Y33 VSS 137</div><div>Y33 VSS 138</div><div>Y33 VSS 139</div><div>Y33 VSS 140</div><div>Y33 VSS 141</div><div>Y33 VSS 142</div><div>Y33 VSS 143</div><div>Y33 VSS 144</div><div>Y33 VSS 145</div><div>Y33 VSS 146</div><div>Y33 VSS 147</div><div>Y33 VSS 148</div><div>Y33 VSS 149</div><div>Y33 VSS 150</div><div>Y33 VSS 151</div><div>Y33 VSS 152</div><div>Y33 VSS 153</div><div>Y33 VSS 154</div><div>Y33 VSS 155</div><div>Y33 VSS 156</div><div>Y33 VSS 157</div><div>Y33 VSS 158</div><div>Y33 VSS 159</div><div>Y33 VSS 160</div><div>Y33 VSS 161</div><div>Y33 VSS 162</div><div>Y33 VSS 163</div><div>Y33 VSS 164</div><div>Y33 VSS 165</div><div>Y33 VSS 166</div><div>Y33 VSS 167</div><div>Y33 VSS 168</div><div>Y33 VSS 169</div><div>Y33 VSS 170</div><div>Y33 VSS 171</div><div>Y33 VSS 172</div><div>Y33 VSS 173</div><div>Y33 VSS 174</div><div>Y33 VSS 175</div><div>Y33 VSS 176</div><div>Y33 VSS 177</div><div>Y33 VSS 178</div><div>Y33 VSS 179</div><div>Y33 VSS 180</div><div>Y33 VSS 181</div><div>Y33 VSS 182</div><div>Y33 VSS 183</div><div>Y33 VSS 184</div><div>Y33 VSS 185</div><div>Y33 VSS 186</div><div>Y33 VSS 187</div><div>Y33 VSS 188</div><div>Y33 VSS 189</div><div>Y33 VSS 190</div><div>Y33 VSS 191</div><div>Y33 VSS 192</div><div>Y33 VSS 193</div><div>Y33 VSS 194</div><div>Y33 VSS 195</div><div>Y33 VSS 196</div><div>Y33 VSS 197</div><div>Y33 VSS 198</div><div>Y33 VSS 199</div><div>Y33 VSS 200</div></div>									A
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C									C			
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F									F			

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INVENTEC

TITLE **Potomac 10**

CANTIGA-POWER

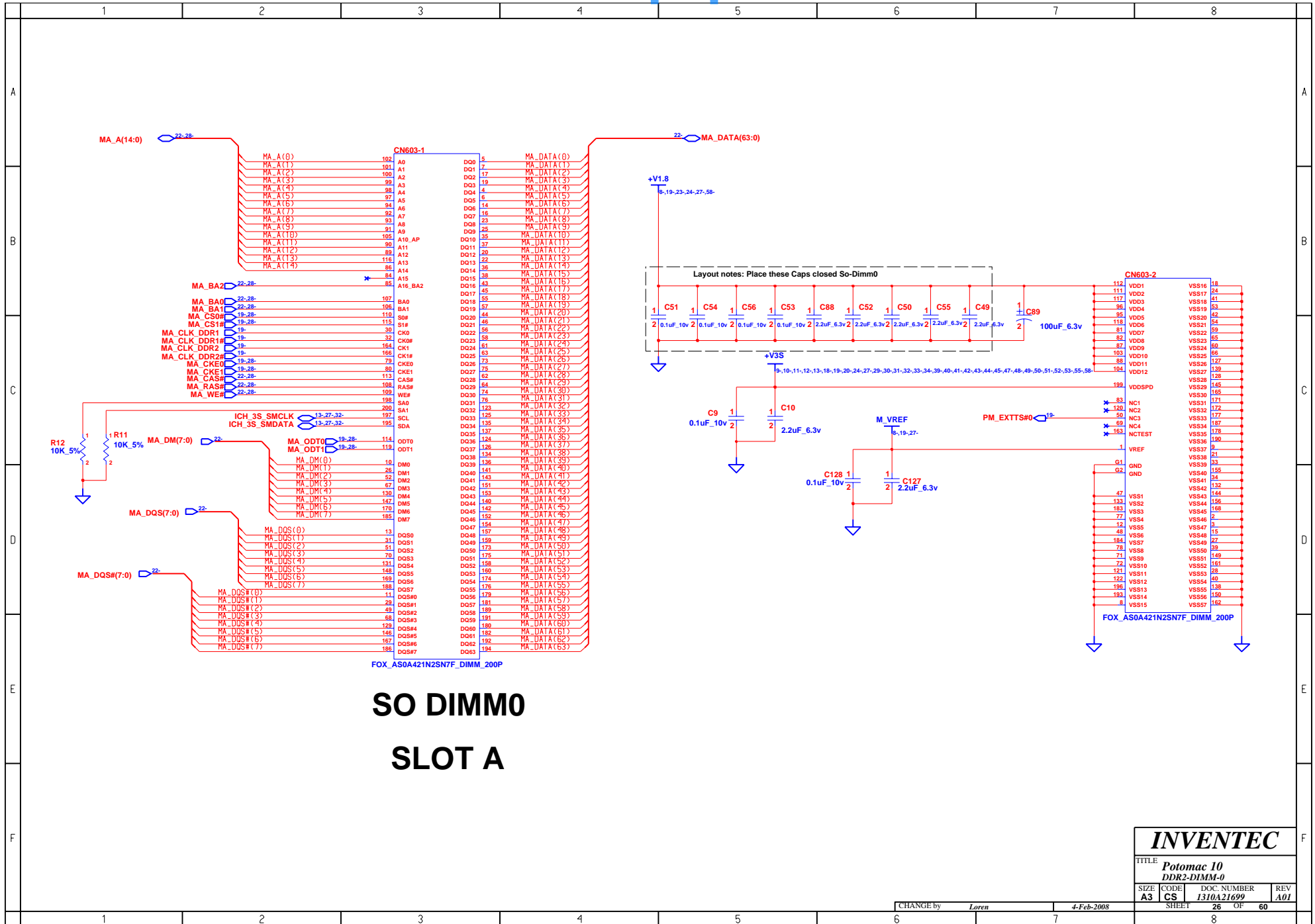
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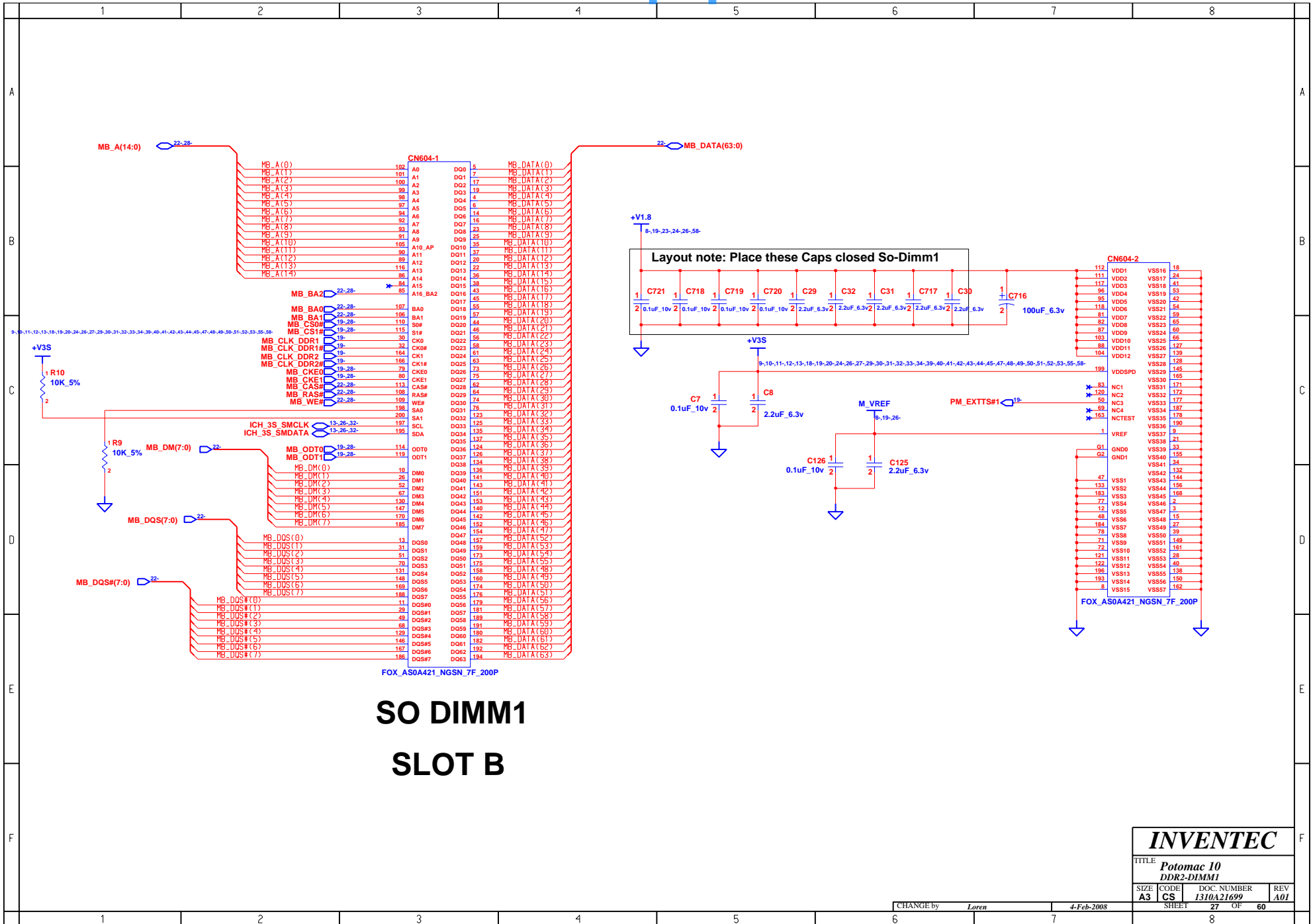
A3 CS I310A21699 A01

SHEET 25 OF 60

CHANGE by Loren 22-Apr-2008

8

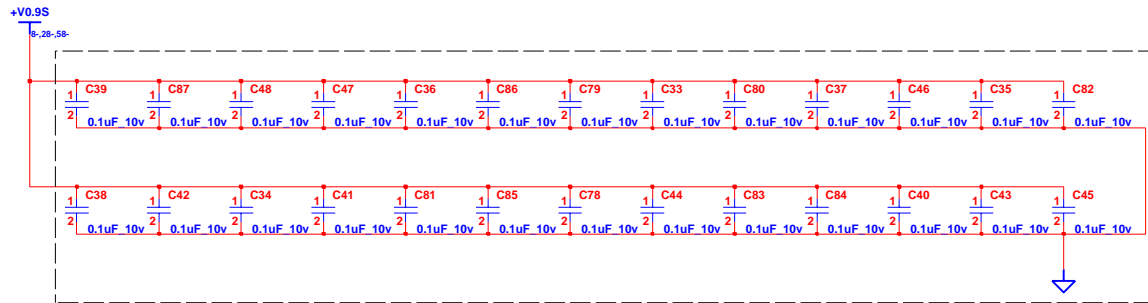




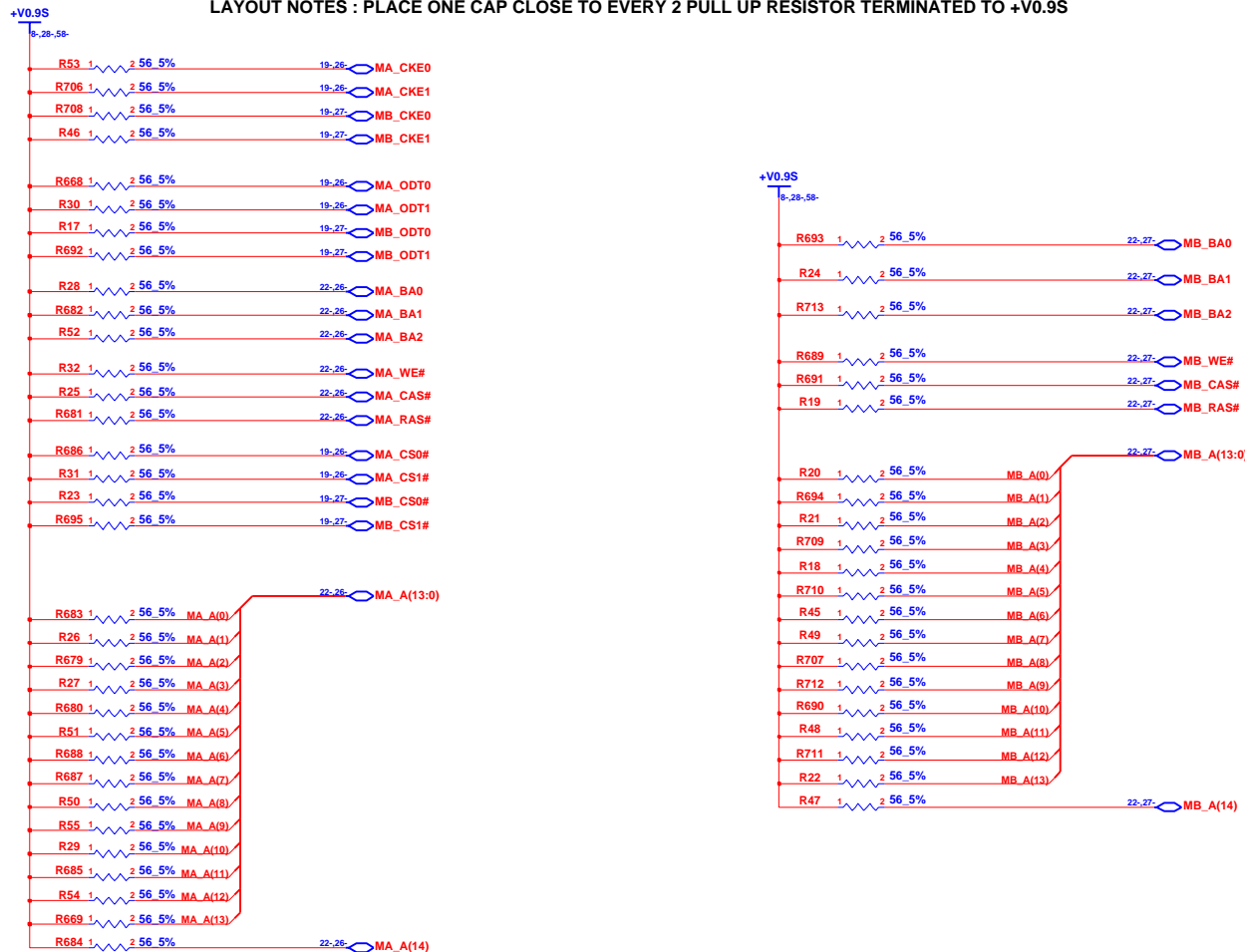
SO DIMM1
SLOT B

INVENTEC

TITLE Potomac 10 DDR2-DIMM1			
SIZE A3	CODE CS	DOC. NUMBER 1310A21699	REV A01
CHANGE by Loren		4-Feb-2008	
SHEET 27		OF 60	



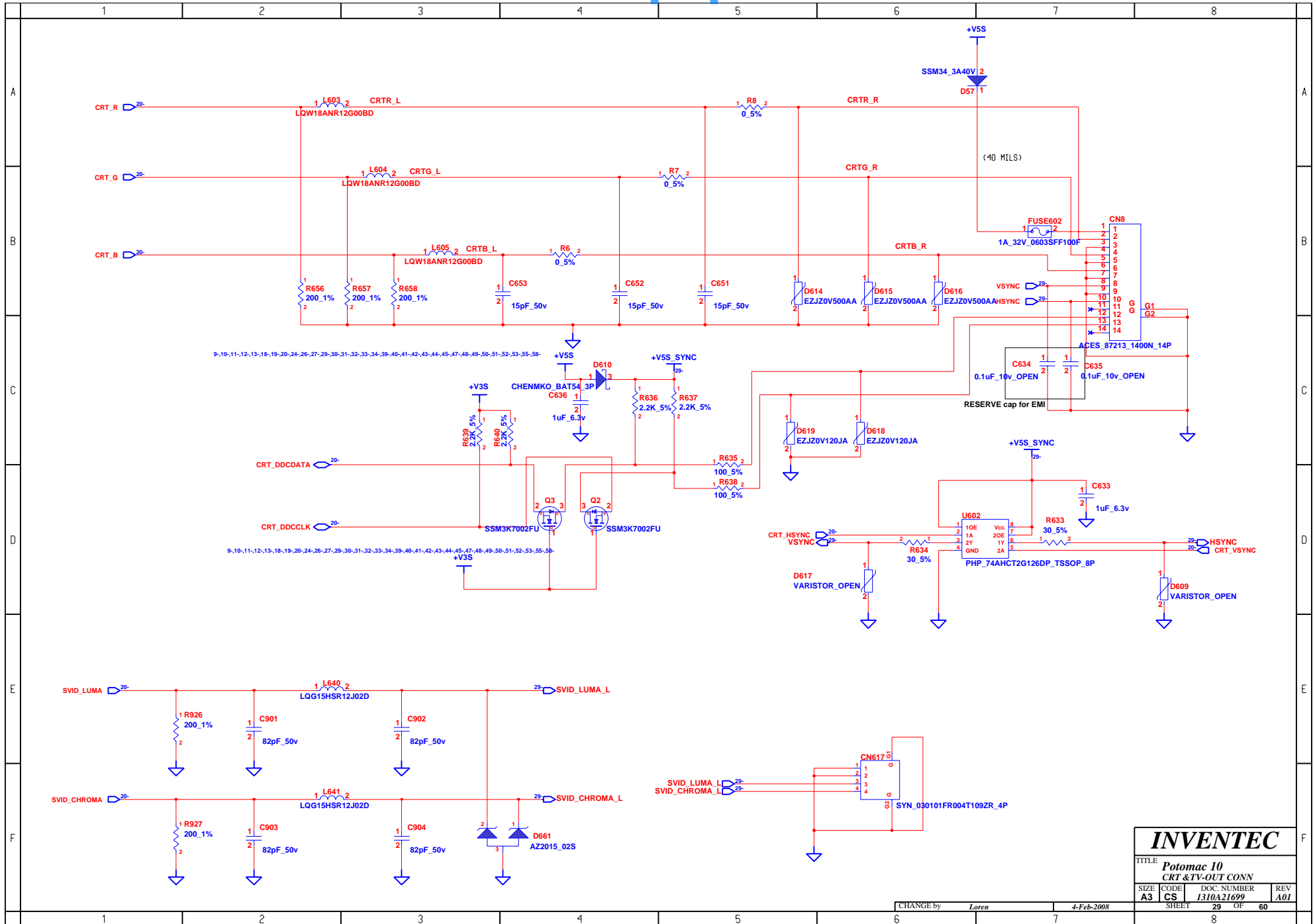
LAYOUT NOTES : PLACE ONE CAP CLOSE TO EVERY 2 PULL UP RESISTOR TERMINATED TO +V0.9S



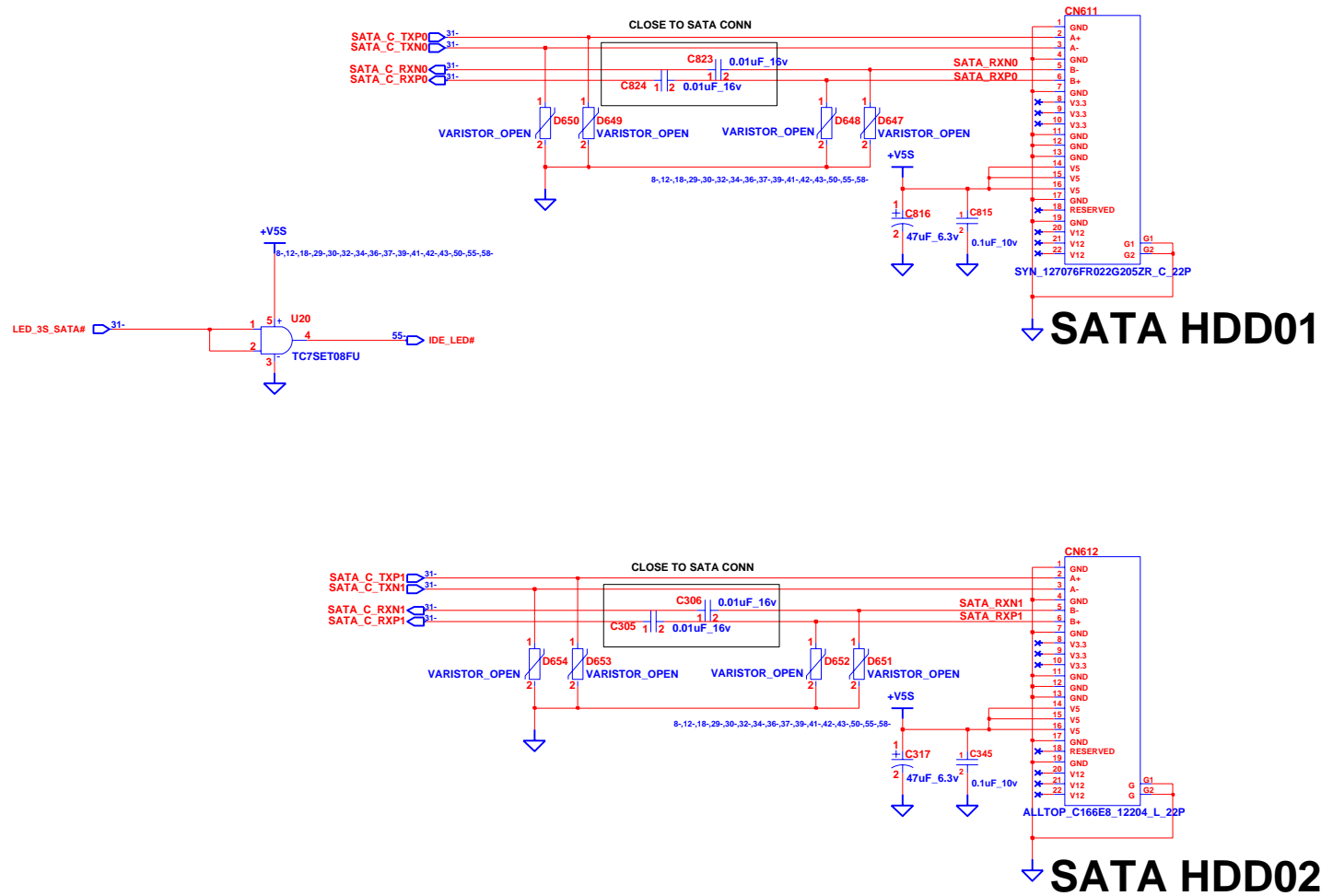
INVENTEC

TITLE Potomac 10 DDR2-DAMPING			
SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
SHEET 28		OF 60	

CHANGE by **Loren** 27-Sep-2003



INVENTEC			
TITLE: Potomac 10 CRT & TV-OUT CONN			
SIZE: A3	CODE: CS	DOC. NUMBER: I310A21699	REV: A01
CHANGE by: Loren		4-Feb-2008	
SHEET: 29		OF: 60	

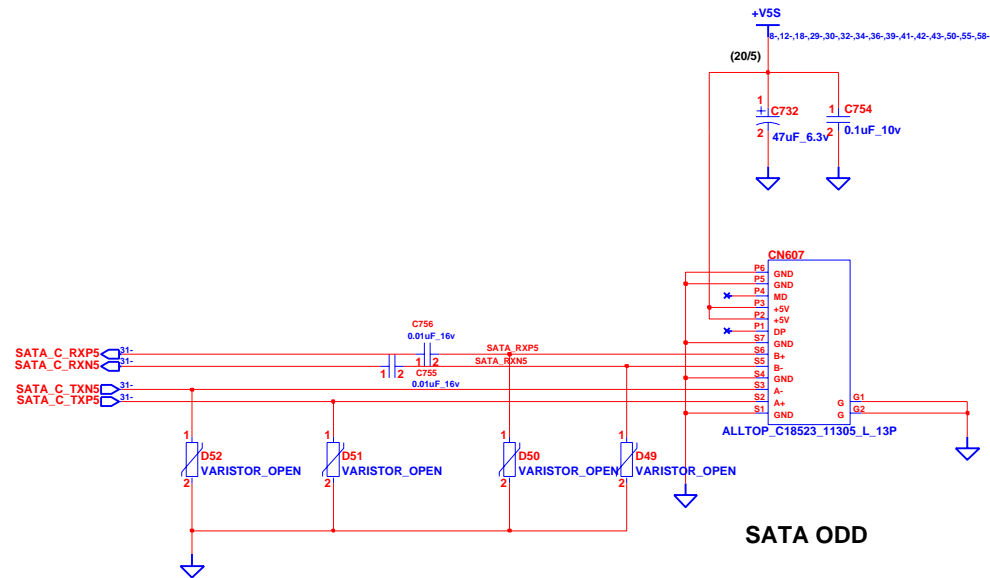


INVENTEC

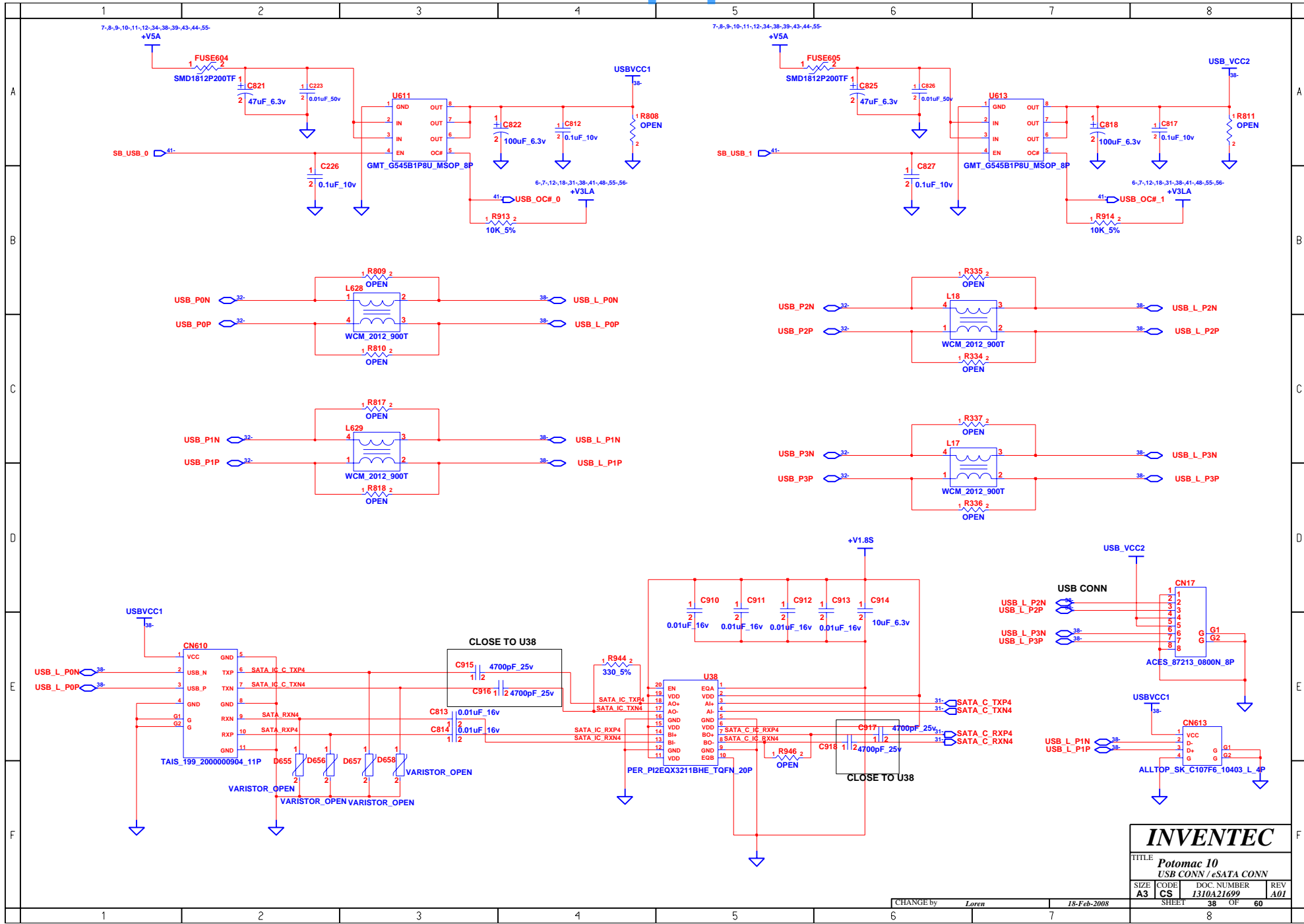
TITLE Potomac 10 HDD CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01

CHANGE by *Loren* 4-Feb-2008

SHEET 36 OF 60



INVENTEC			
TITLE Potomac 10 ODD CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
CHANGE by Loren		4-Feb-2008	SHEET 37 OF 60



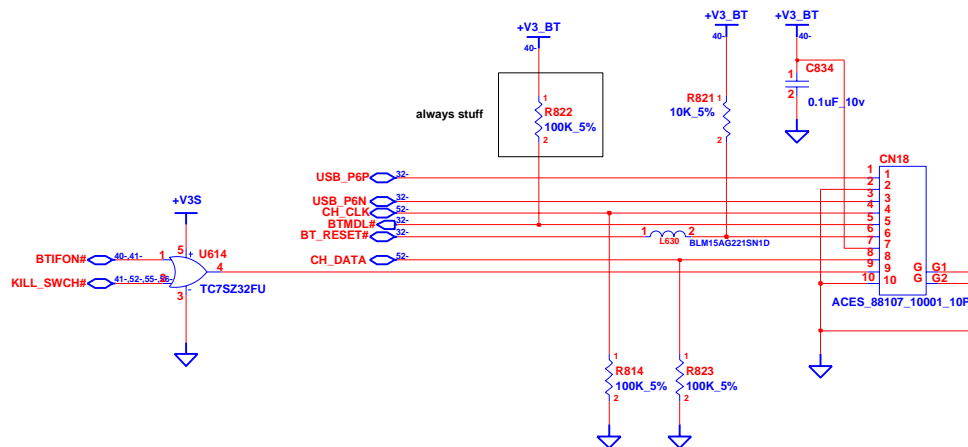
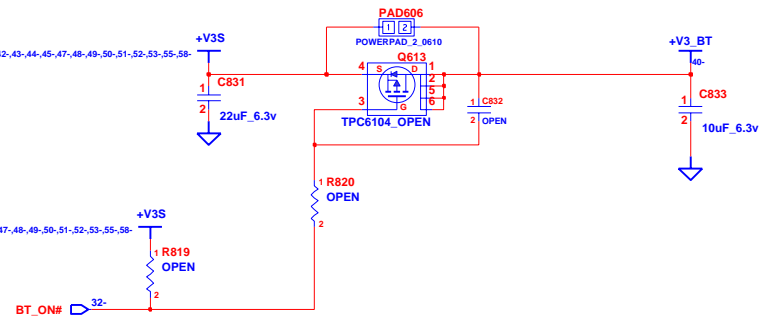
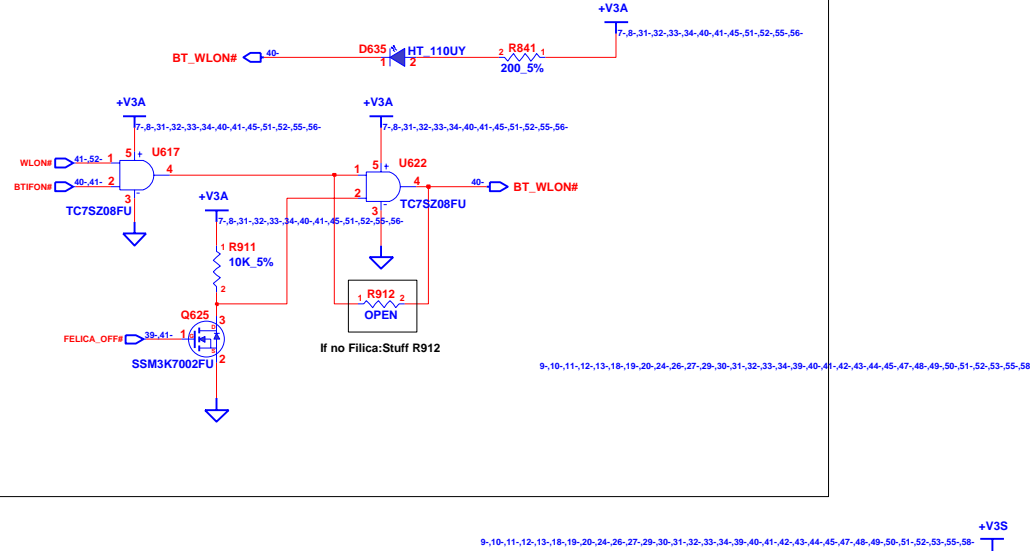
INVENTEC

TITLE: Potomac 10
USB CONN / eSATA CONN
SIZE: A3
CODE: CS
DOC. NUMBER: I310A21699
REV: A01

CHANGE by: Loren 18-Feb-2008

SHEET: 38 OF 60

Wireless & BT LED

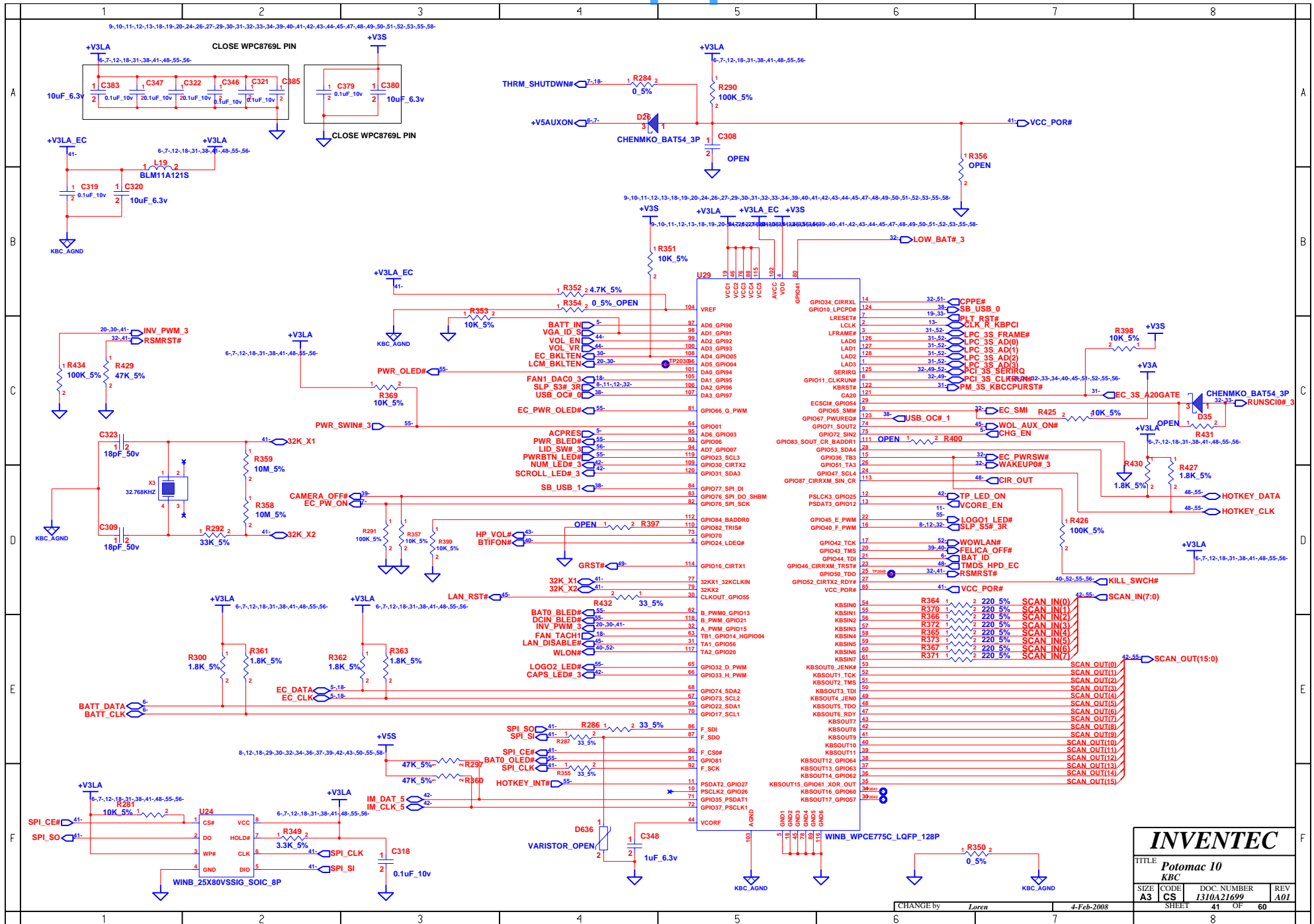


INVENTEC

TITLE			
Potomac 10 BLUETOOTH CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21699	A01

CHANGE by Loren 4-Feb-2008

SHEET 40 OF 60



INVENTEC

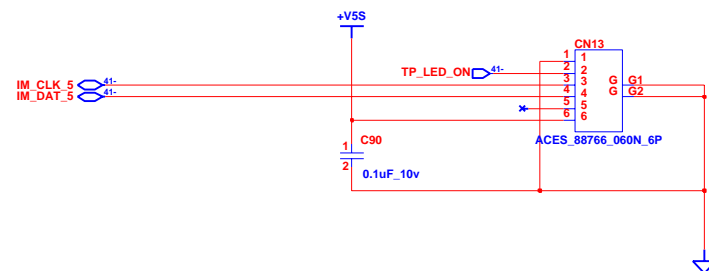
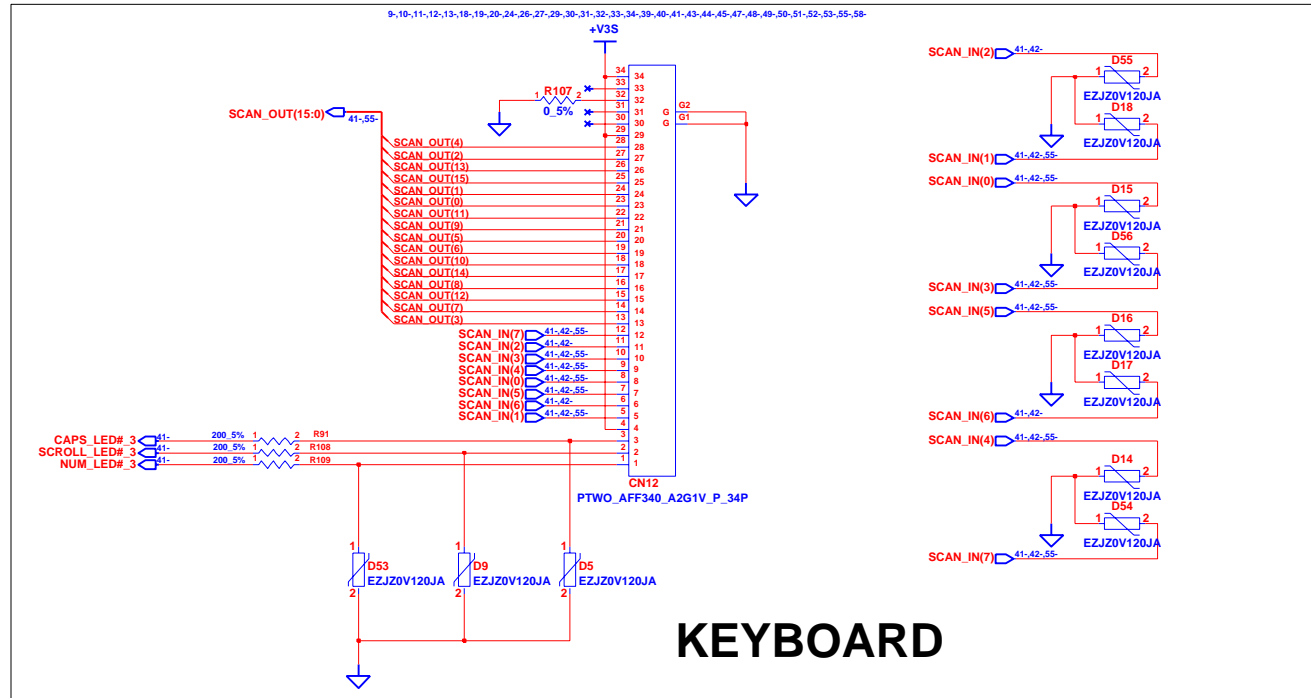
TITLE: Potomac 10 KBC

SIZE CODE CS DOC. NUMBER 1310A21699 REV A01

CHANGE by Loren

4-Feb-2008

SHEET 41 OF 60

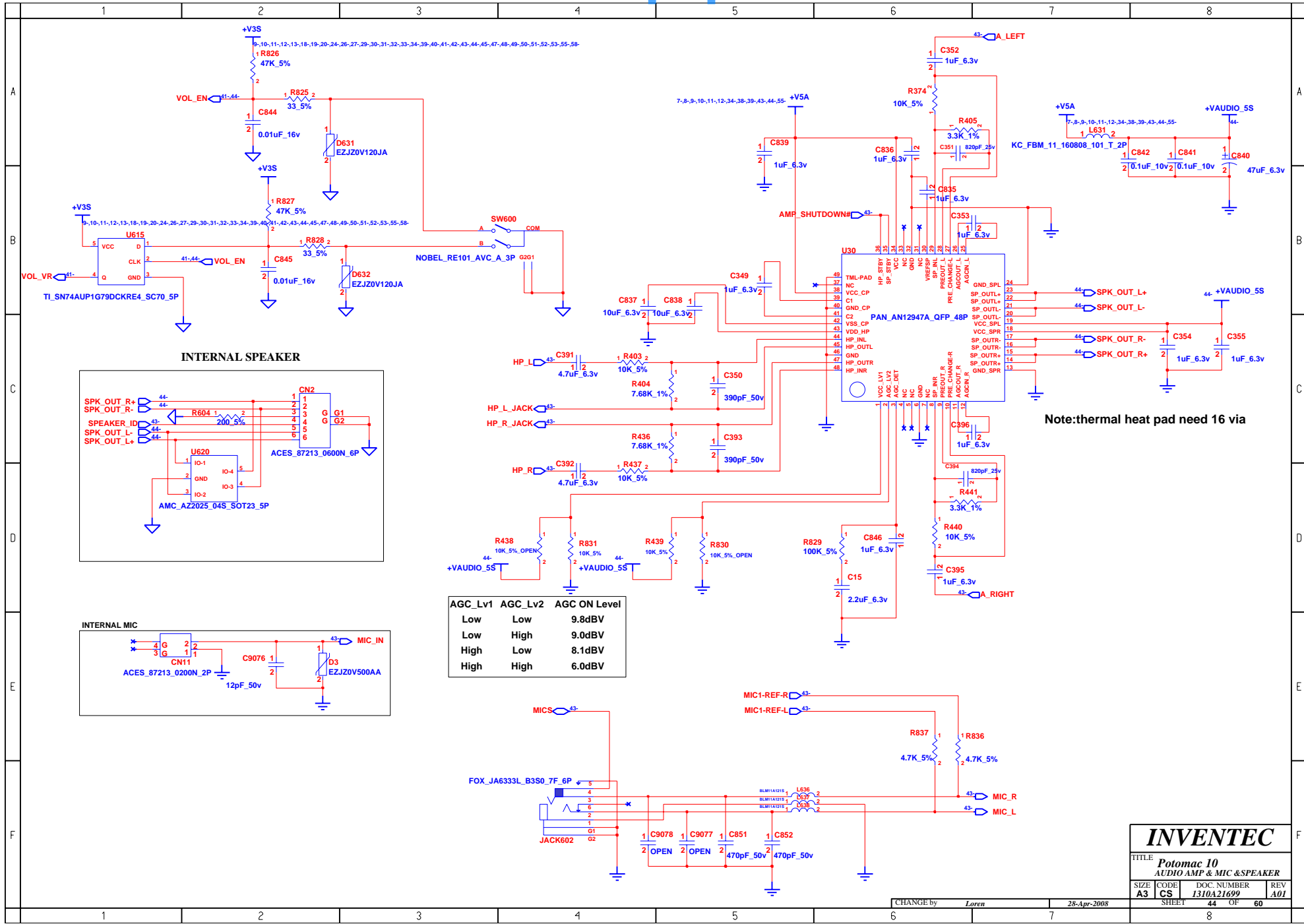


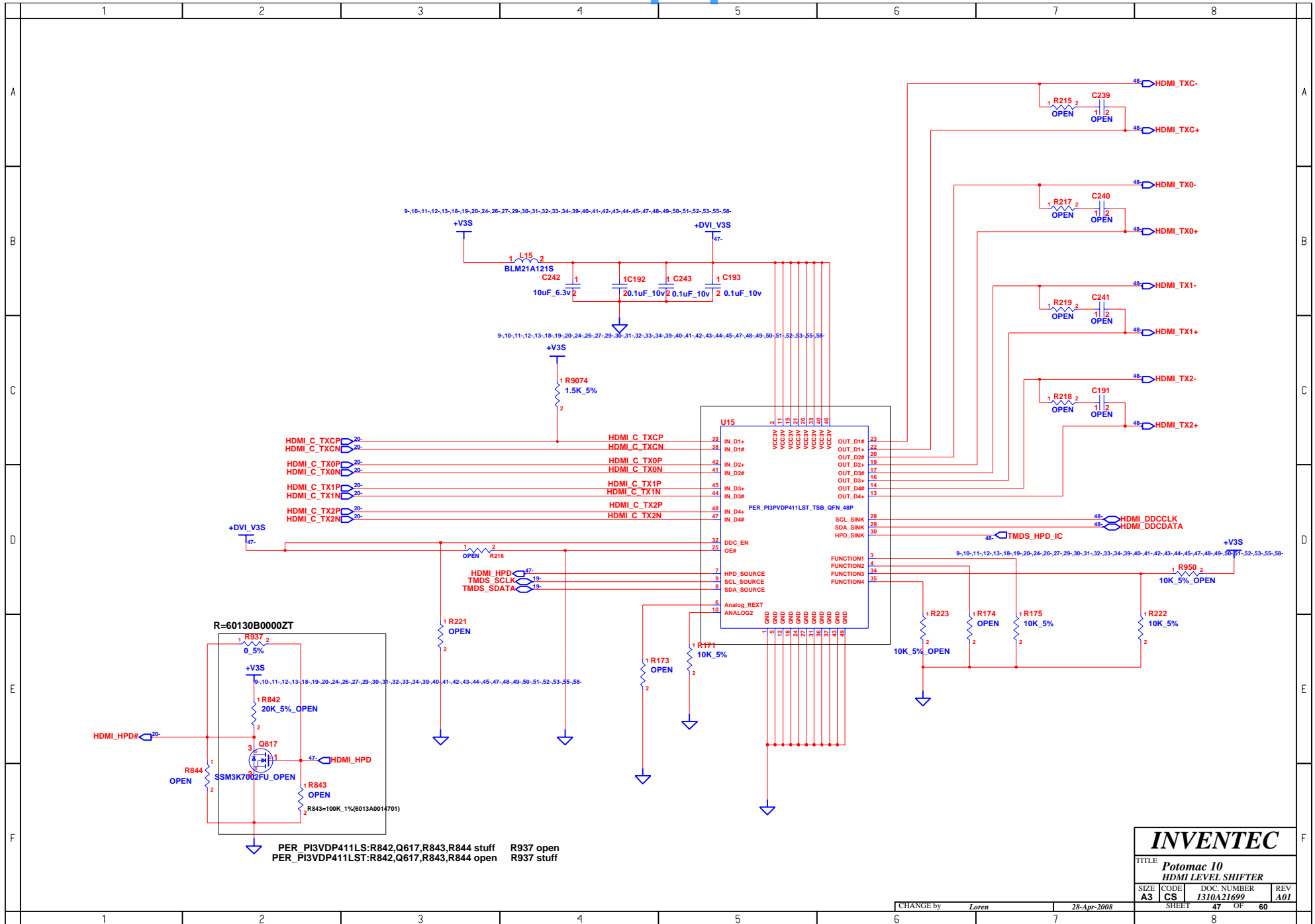
INVENTEC

TITLE			
Potomac 10			
K/B & T/P CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

CHANGE by Loren 4-Feb-2008

SHEET 42 OF 60



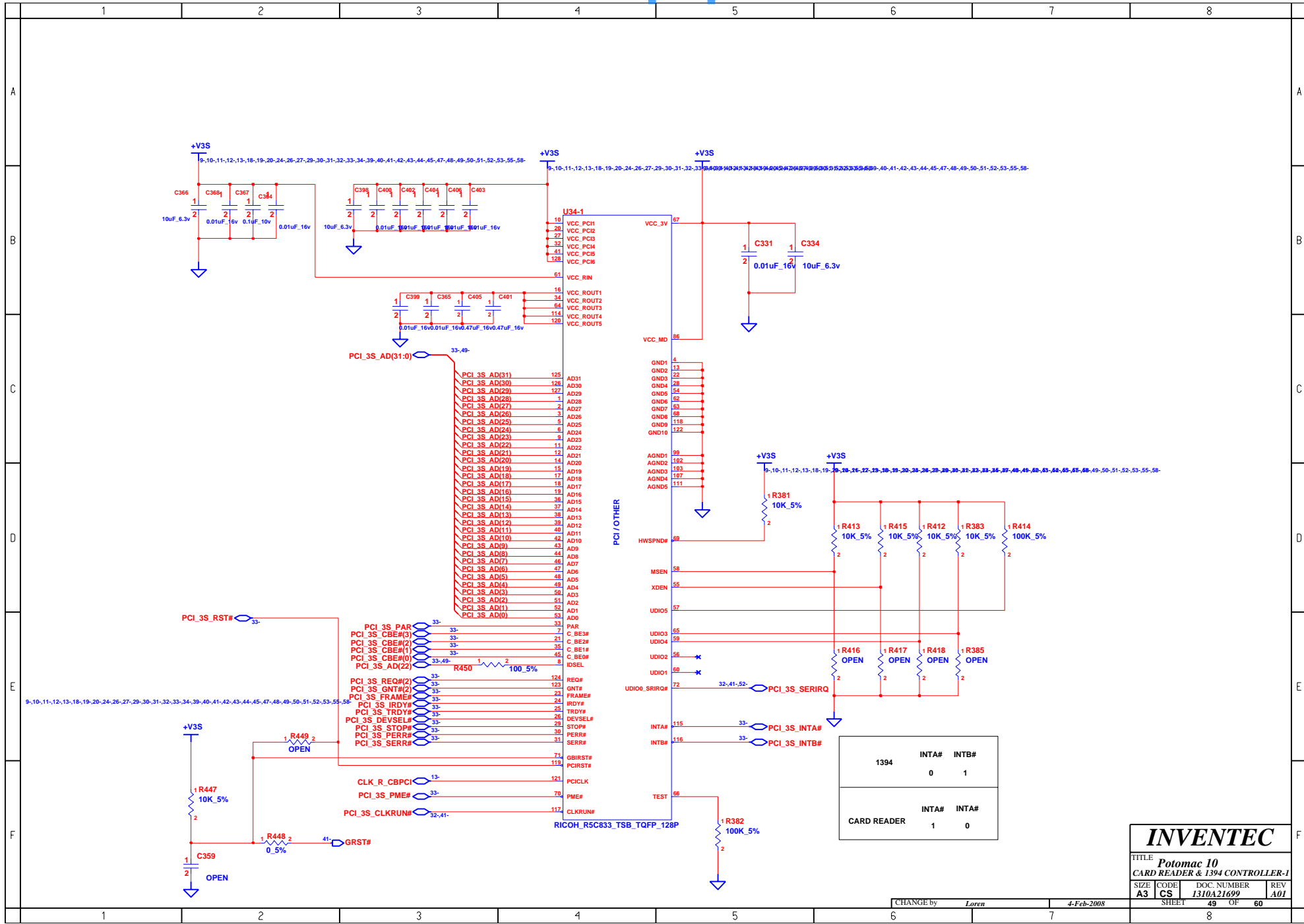


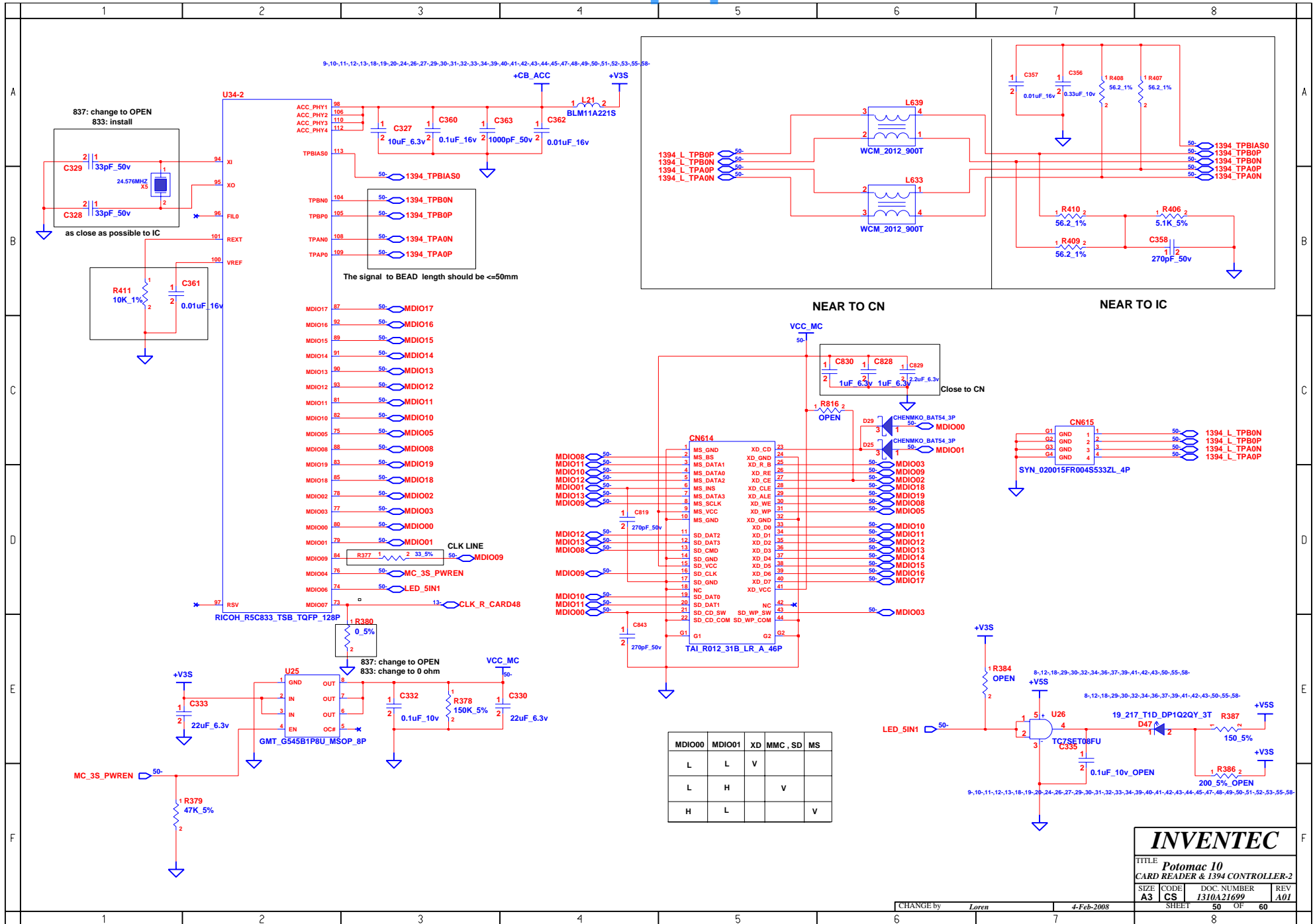
INVENTEC

TITLE			
Potomac 10			
HDMI LEVEL SHIFTER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21699	A01

CHANGE by Loren 28-Apr-2008

SHEET 47 OF 60





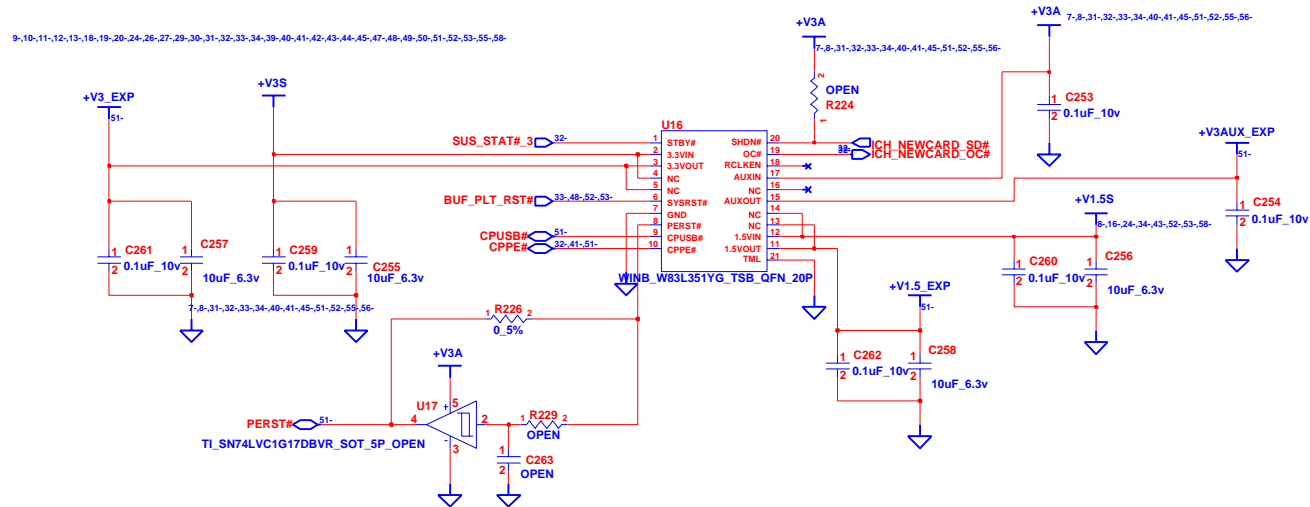
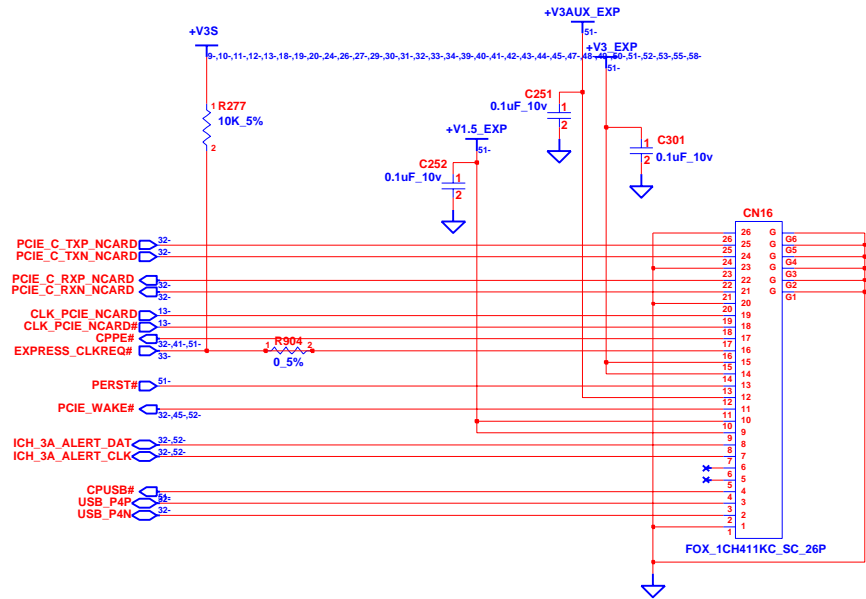
INVENTEC

TITLE
Potomac 10
CARD READER & 1394 CONTROLLER-2

SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01
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CHANGE by *Loren* 4-Feb-2008

SHEET 50 OF 60



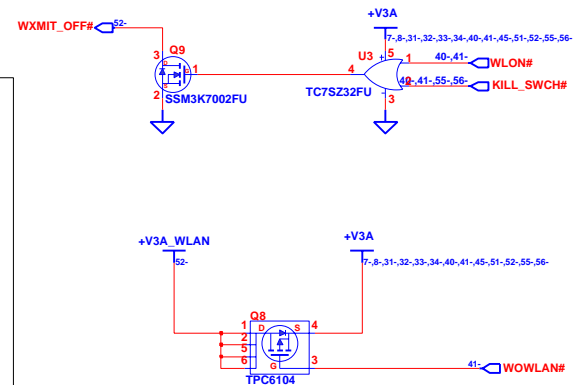
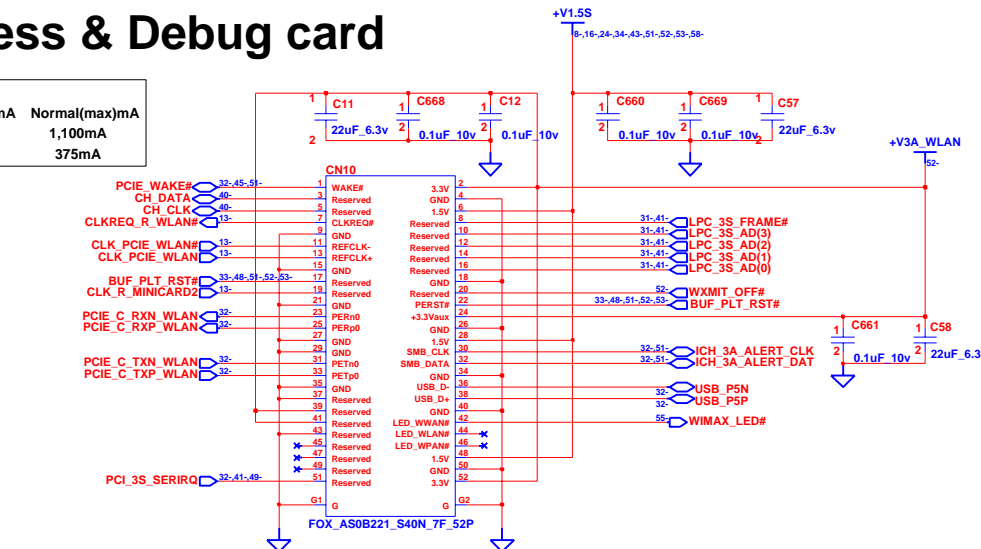
INVENTEC

TITLE Potomac 10 EXPRESS CARD			
SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01

CHANGE by *Loren* 4-Feb-2008

SHEET 51 OF 60

	Peak(max)mA	Normal(max)mA
3.3V	2,750mA	1,100mA
1.5V	500mA	375mA

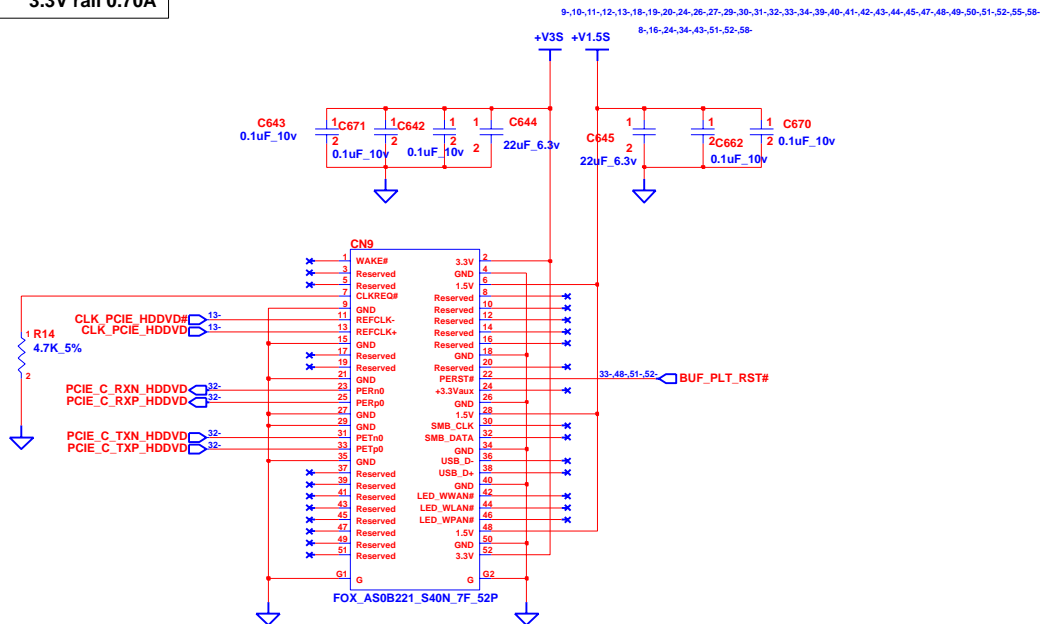


INVENTEC

TITLE			
Potomac 10 ROBSON & WLAN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01
SHEET		52	OF 60

Note: 1.5V rail 0.28A
3.3V rail 0.70A

HD-DVD Bordcom

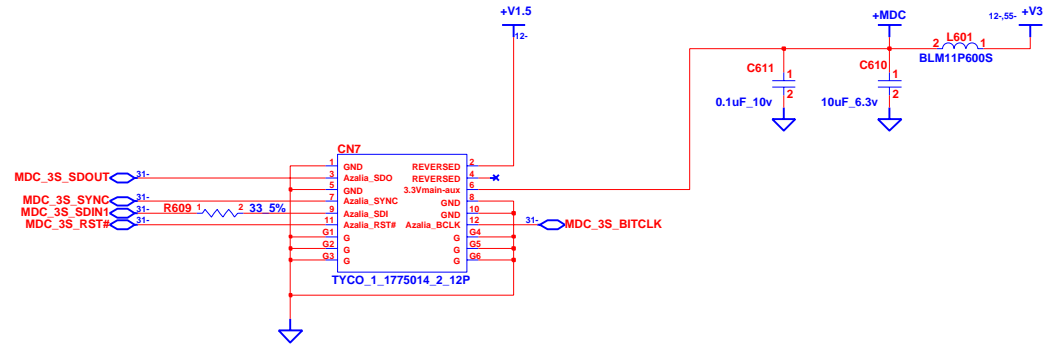


INVENTEC

TITLE Potomac 10 HD-DVD CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A21699	REV A01

CHANGE by *Loren* 4-Feb-2008

SHEET 53 OF 60



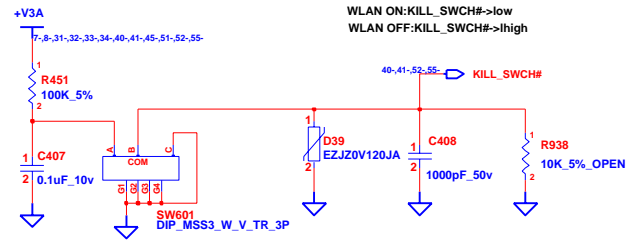
INVENTEC

TITLE			
Potomac 10			
MDC CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

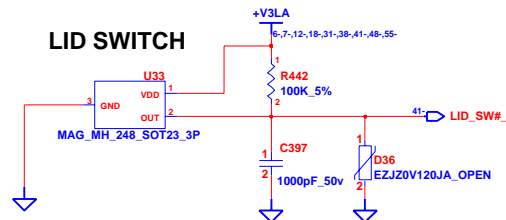
CHANGE by Loren 4-Feb-2008

SHEET 54 OF 60

KILL SWITCH



LID SWITCH

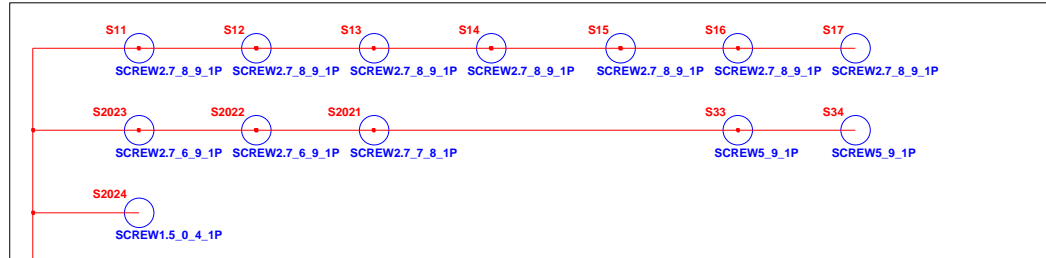


INVENTEC

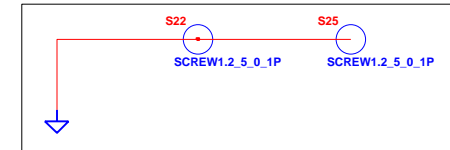
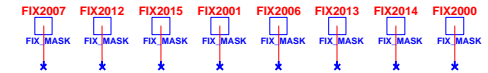
TITLE			
Potomac 10 KILL & LID SW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

CHANGE by Loren 4-Feb-2008

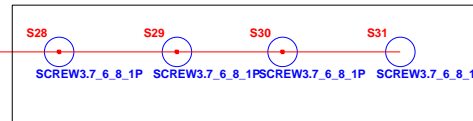
SHEET 56 OF 60



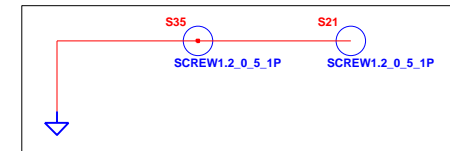
PCB



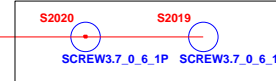
MODEM



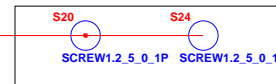
CPU



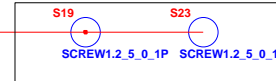
FAN



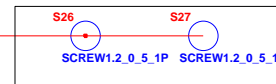
NB



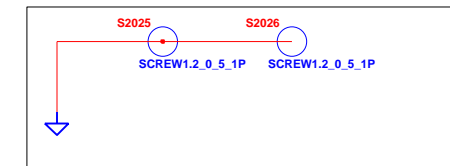
HD-DVD



WLAN



ROBSON



eSATA

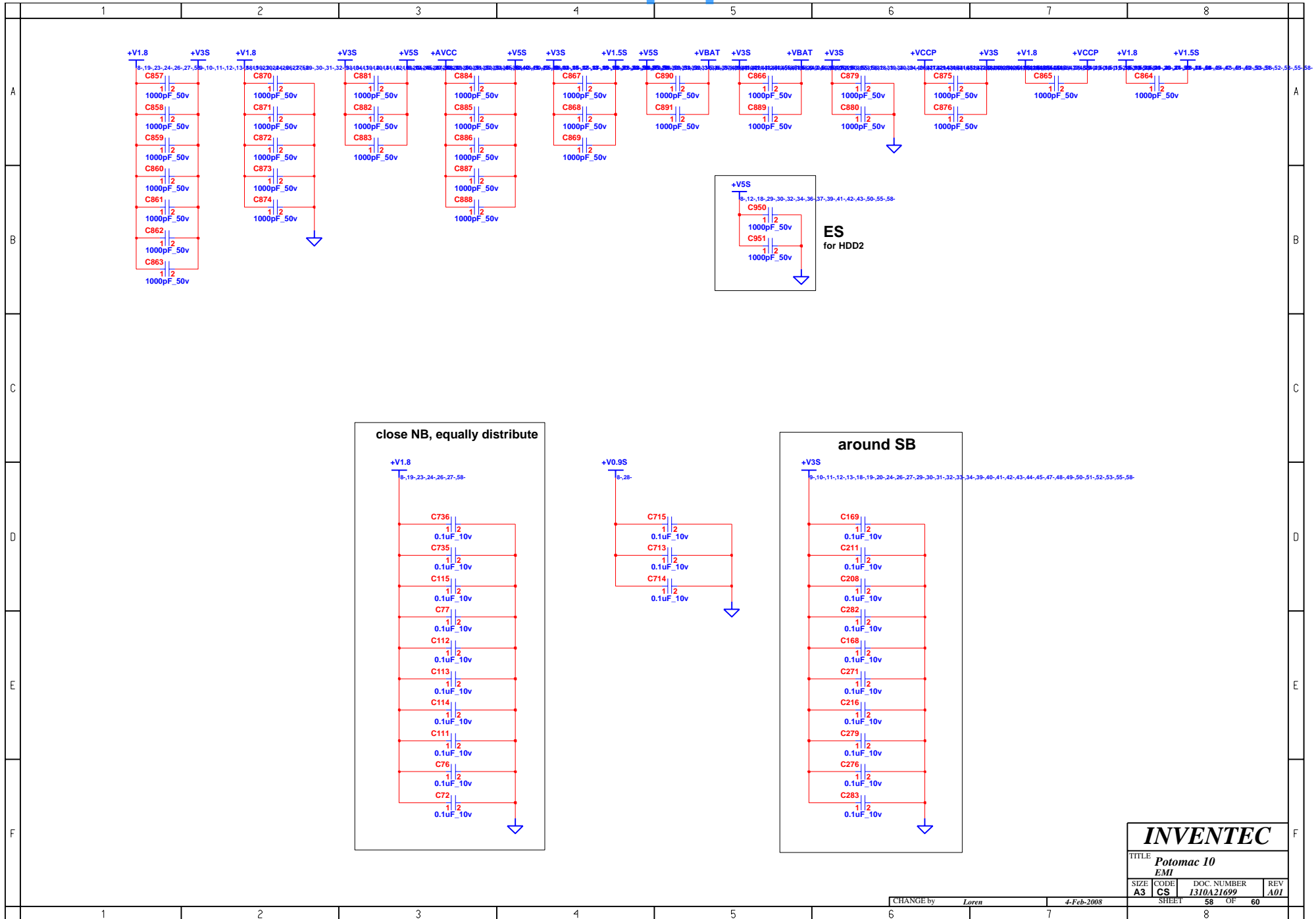


INVENTEC

TITLE			
Potomac 10			
SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21699	A01

CHANGE by Loren 4-Feb-2008

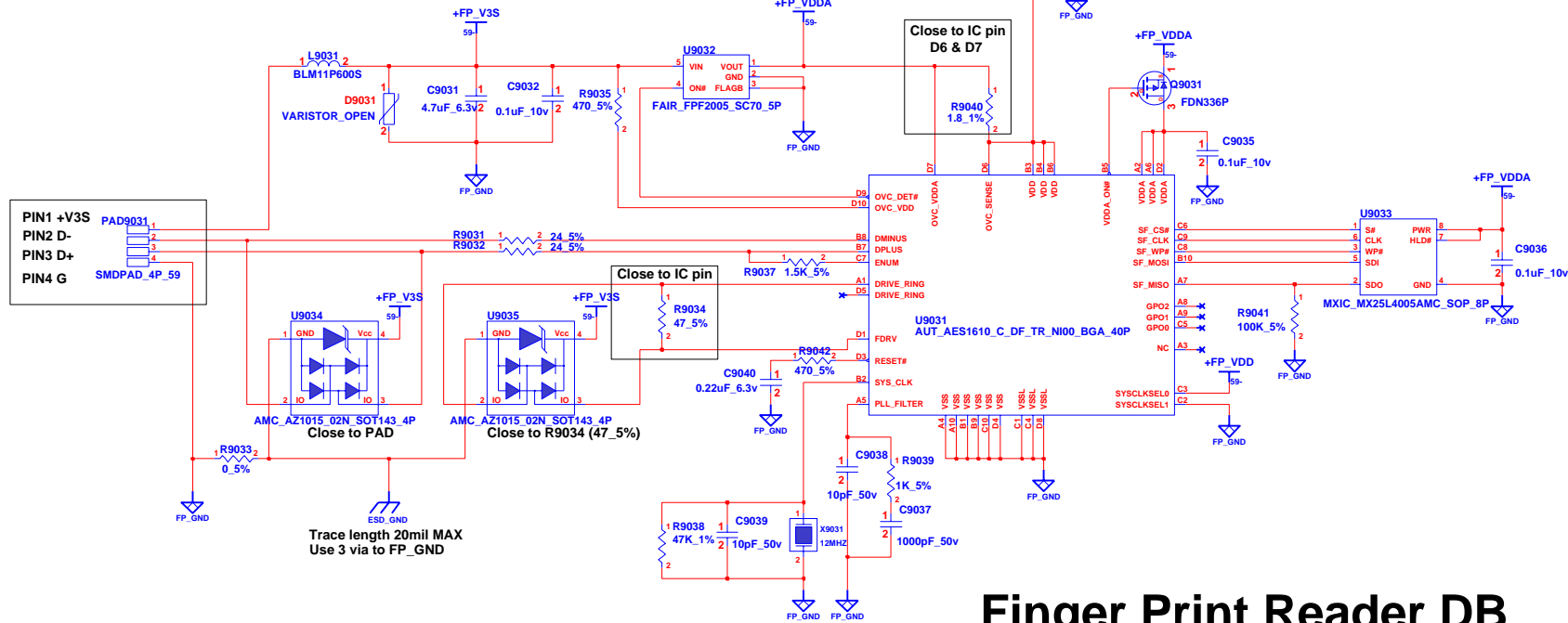
SHEET 57 OF 60



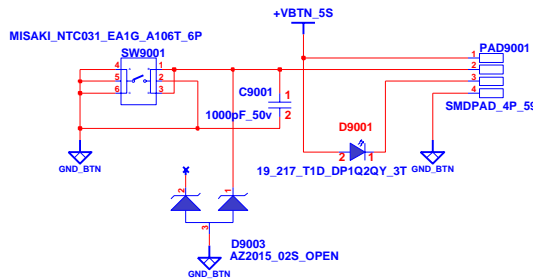
INVENTEC			
TITLE: Potomac 10 EMI			
SIZE: A3	CODE: CS	DOC. NUMBER: I310A21699	REV: A01
SHEET: 58		OF: 60	

CHANGE by: Loren 4-Feb-2008

PIN1 +V3S PAD9031
PIN2 D- SMDPAD_4P_59
PIN3 D+ SMDPAD_4P_59
PIN4 G



Finger Print Reader DB



POWER BOARD

INVENTEC

TITLE
**Potomac 10
SMALL BOARD1**

SIZE A3	CODE CS	DOC. NUMBER 1310A21699	REV A01
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CHANGE by *Loren* 4-Feb-2008

SHEET 59 OF 60

FM Tuner Board

INVENTEC

TITLE			
Potomac 10 SMALL BOARD2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21699	A01

CHANGE by	<i>Loren</i>	<i>4-Feb-2008</i>
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SHEET **60** OF **60**

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