

[illegible]

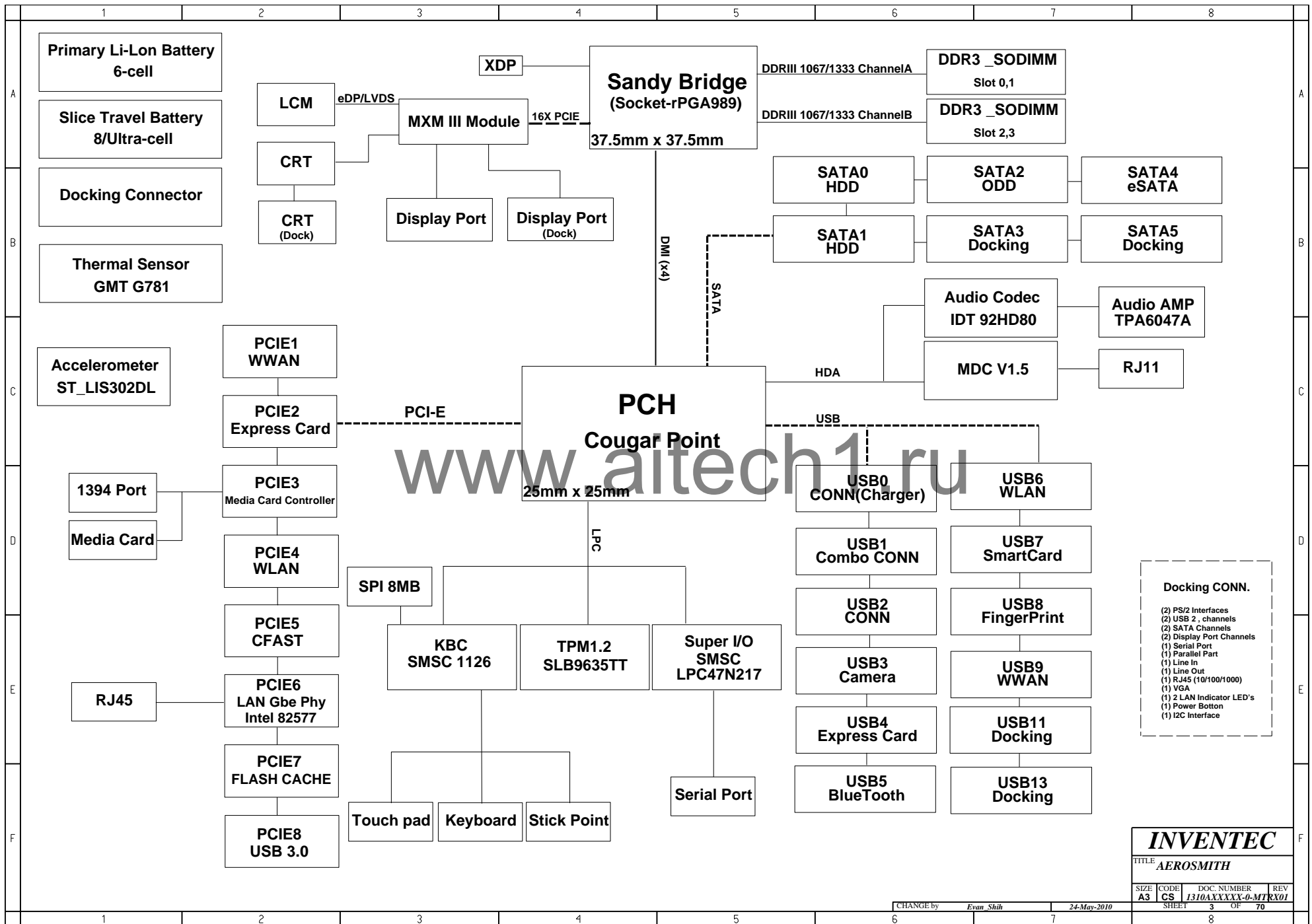
TABLE OF CONTENTS

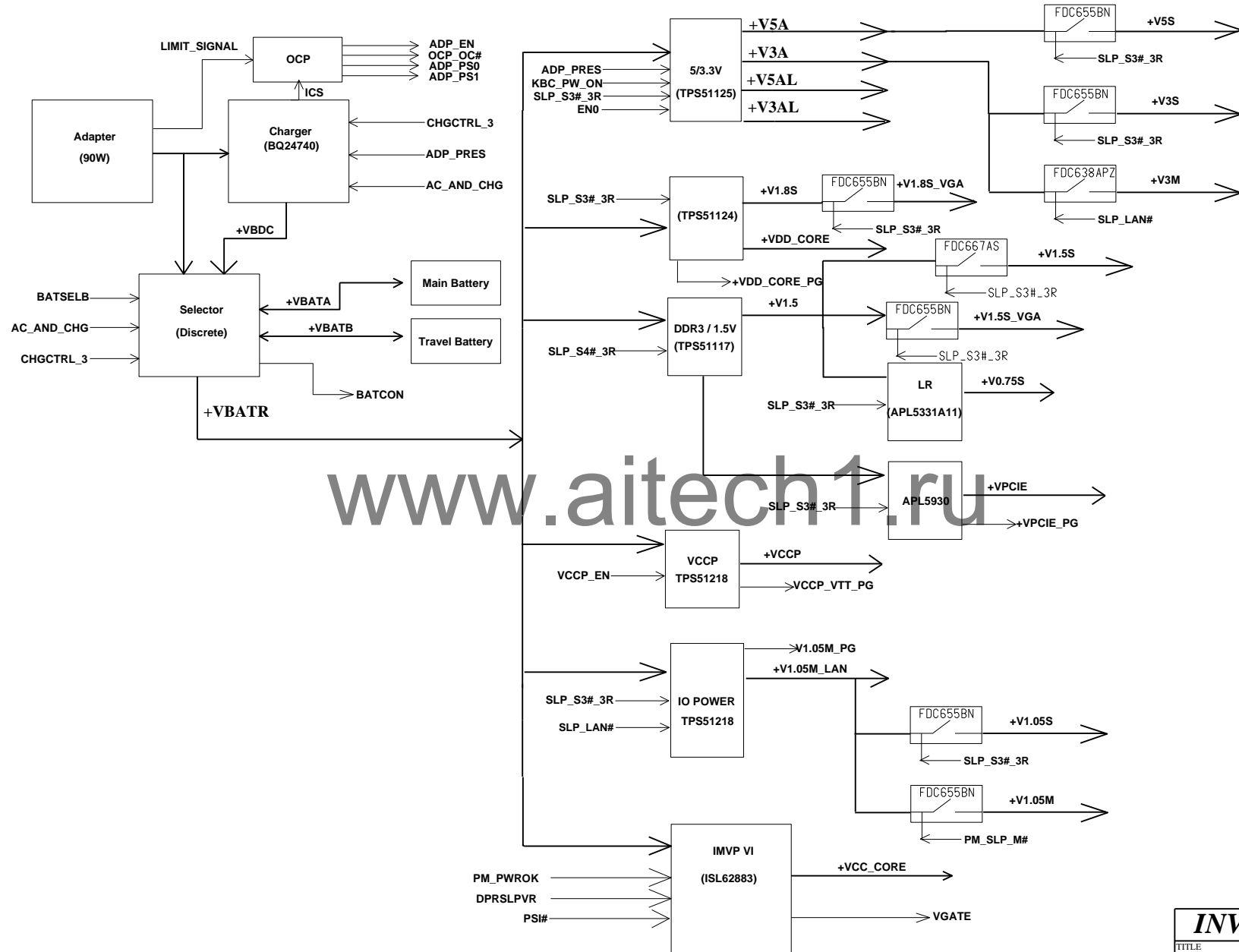
5- DC IN & BATTERY CHARGER	31- PCH_3	58-SYSTEM LED
6- SELECT & BATTERY CONN	32- PCH_4	59- SCREW
7- SYSTEM POWER(3V/5V)	33- PCH_5	60- BLANK
8- SYSTEM POWER(+V1.5/+V0.75S)	34- PCH_6	61- SMART CARD
9- SYSTEM POWER(++V1.8S)	35- PCH_7	62- CONNECTOR
10- SYSTEM POWER(+VCCP/+V1.05M_LAN)	36- PCH_8	63- EXPRESS CARD
11- CPU POWER(+V0.85S)	37- PCH_9	64- AUDIO
12- CPU POWER(+VCC_CORE)	38- CRT	65- AUDIO
13- CPU POWER(+VCC_CORE)	39- DISPLAY PORT	66- CARD READER
14- POWER(SLEEP)	40- LCM	67- SD/MMC & 1394A
15- POWER(SEQUENCE)	41- HDD & ODD	68- HALL SENSOR
16- FAN & THERMAL SENSOR	42- USB PORT(CHARGER)	69- CFAST
17- XDP CONNECTOR	43- USB & eSATA COMBO	69- MXM CONNECTOR
18- SANDY BRIDGE_1	44- USB 3.0 CONTROLLER	
19- SANDY BRIDGE_2	45- USB 3.0 CONNECTOR	
20- SANDY BRIDGE_3	46- BLUETOOTH & FINGER PRINTER	
21- SANDY BRIDGE_4	47- ACCELEROMETER	
22- SANDY BRIDGE_5	48- KBC & SPI	
23- SANDY BRIDGE_6	49- KB & POINT STICK & TOUCH PAD	
24- DDR3-DIMM0(A)	50- KEYBOARD LIGHT	
25- DDR3-DIMM1(A)	51- SUPER I/O	
26- DDR3-DIMM0(B)	52- TPM & MDC	
27- DDR3-DIMM1(B)	53- LAN PHY	
28- DDR3 VREF	54- LAN SWITCH RJ45	
29- PCH_1	55- WLAN & WWAN & SIM CARD	
30- PCH_2	56- FLASH CACHE--MINI CARD	
	57- DOCKING CNTR	

INVENTEC

TITLE			
AEROSMITH			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AXXXXX-0-MTR	X01
SHEET		2	OF 70

CHANGE by *Evan Shih* 26-May-2010





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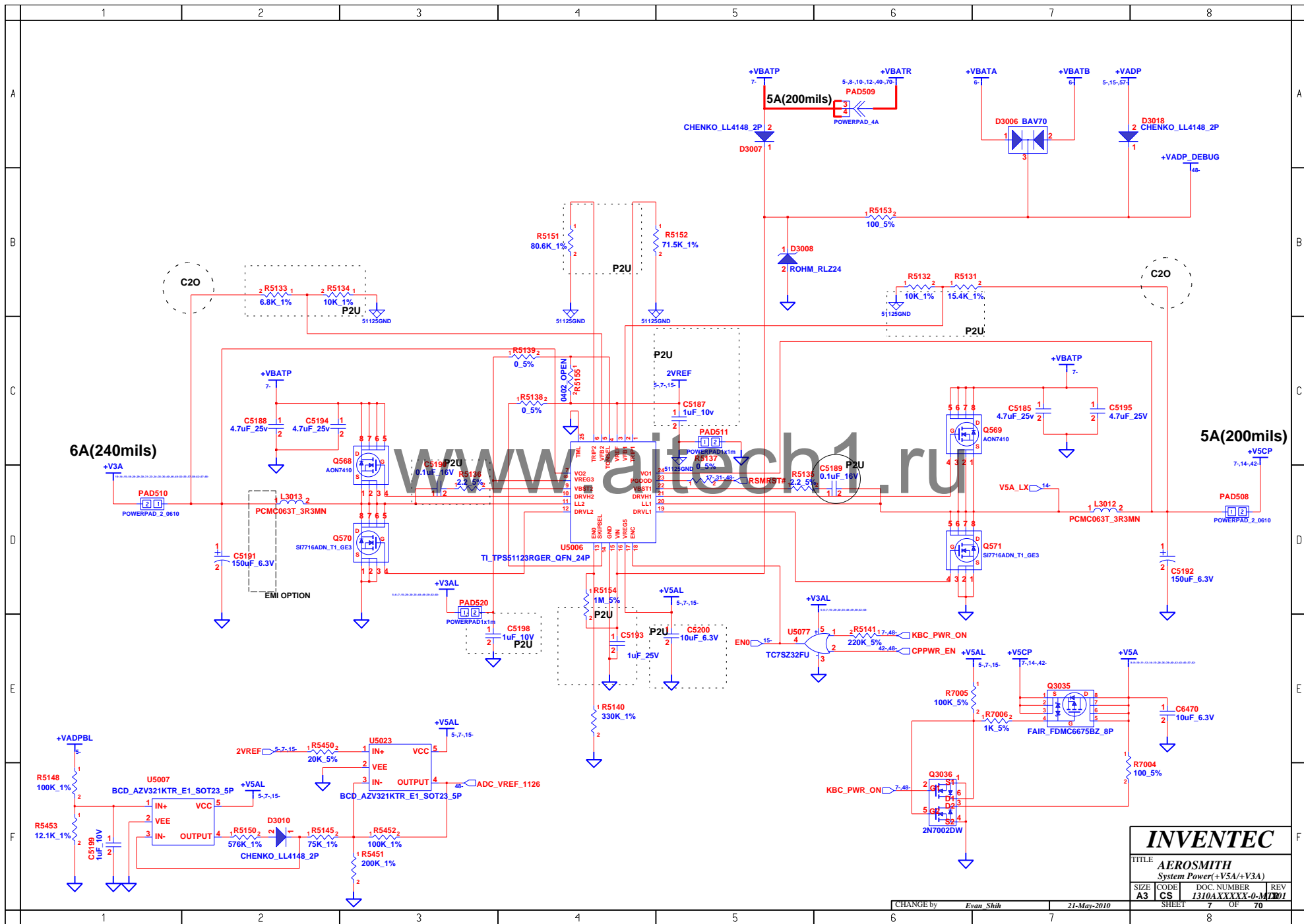
INVENTEC

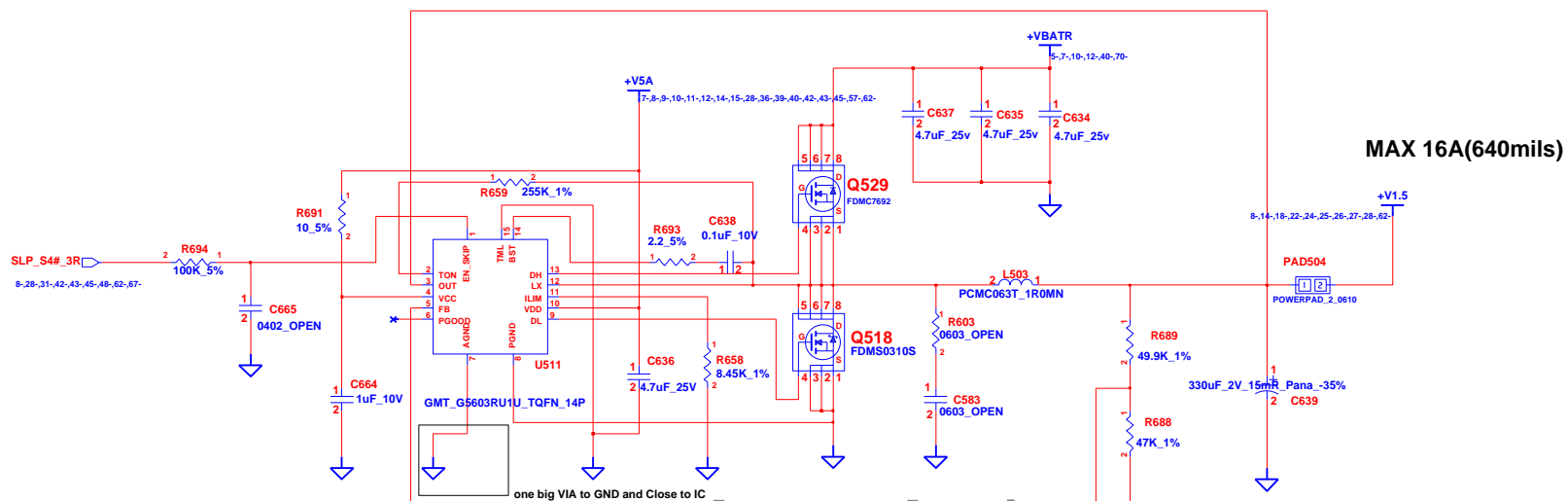
TITLE
AEROSMITH

SIZE	CODE	DOC. NUMBER	REV
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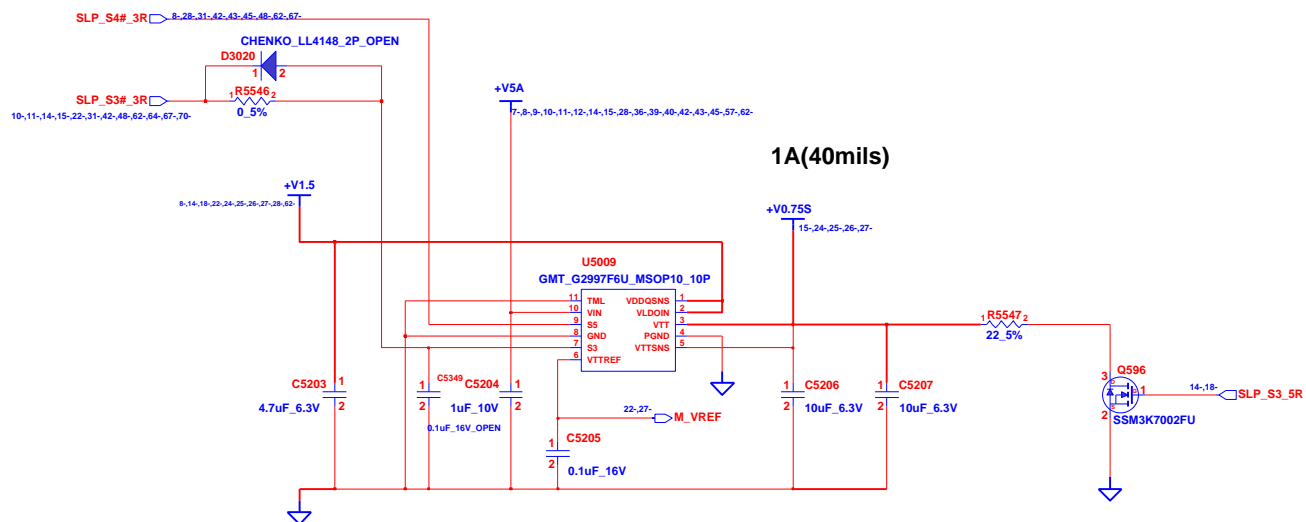
CHANGE by *Evan Shih* 21-May-2010

SHEET 4 OF 70





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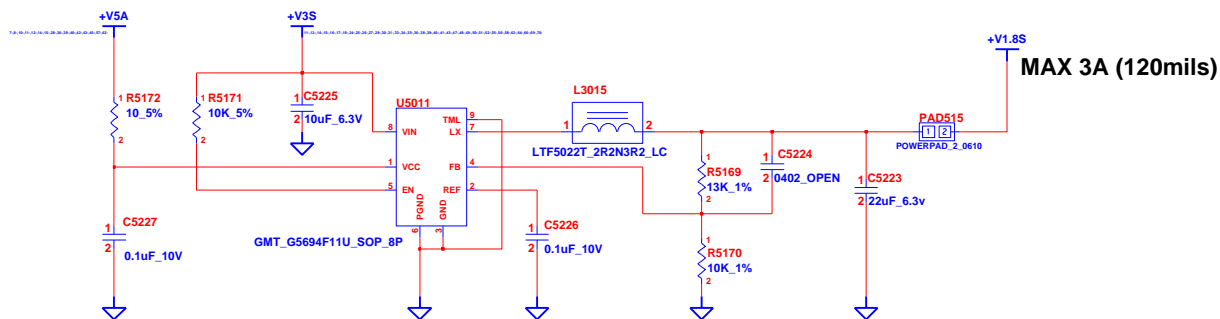


NOTE: DDR3 REGULATOR

INVENTEC

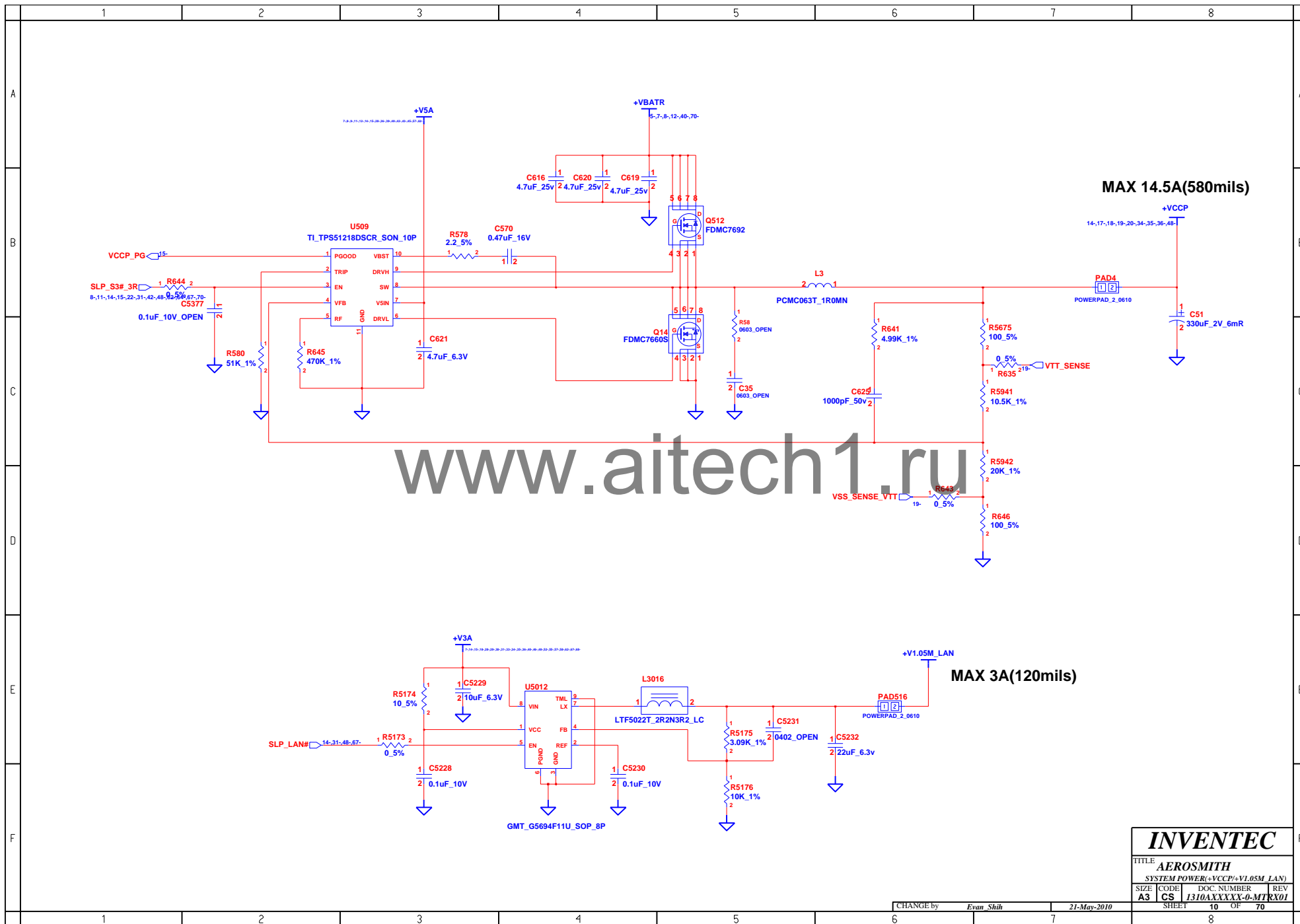
TITLE AEROSMITH			
SYSTEM POWER(+V1.5/+V0.75S)			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 01
SHEET 8		OF 70	

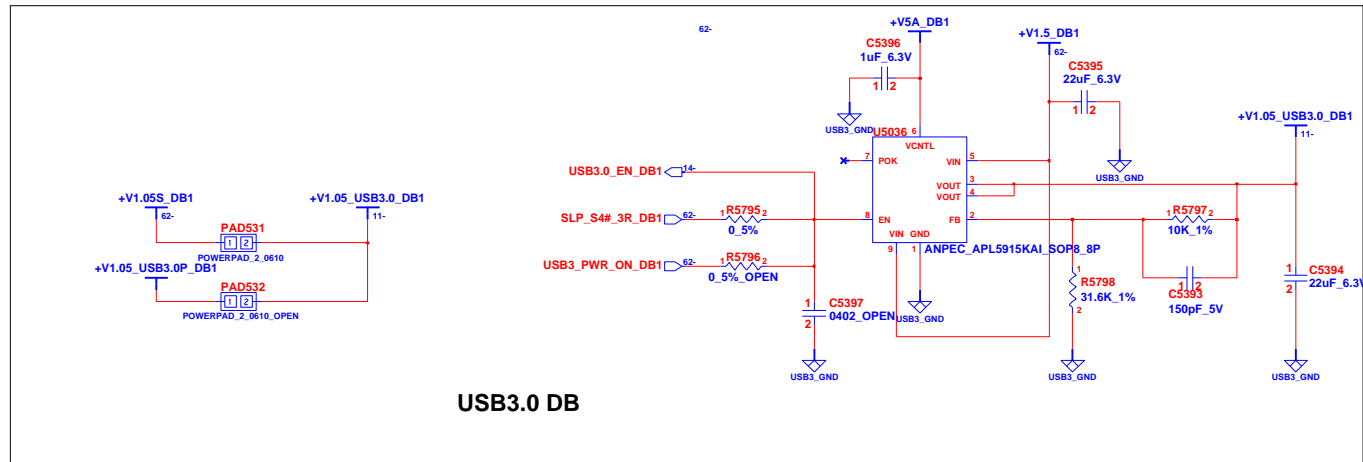
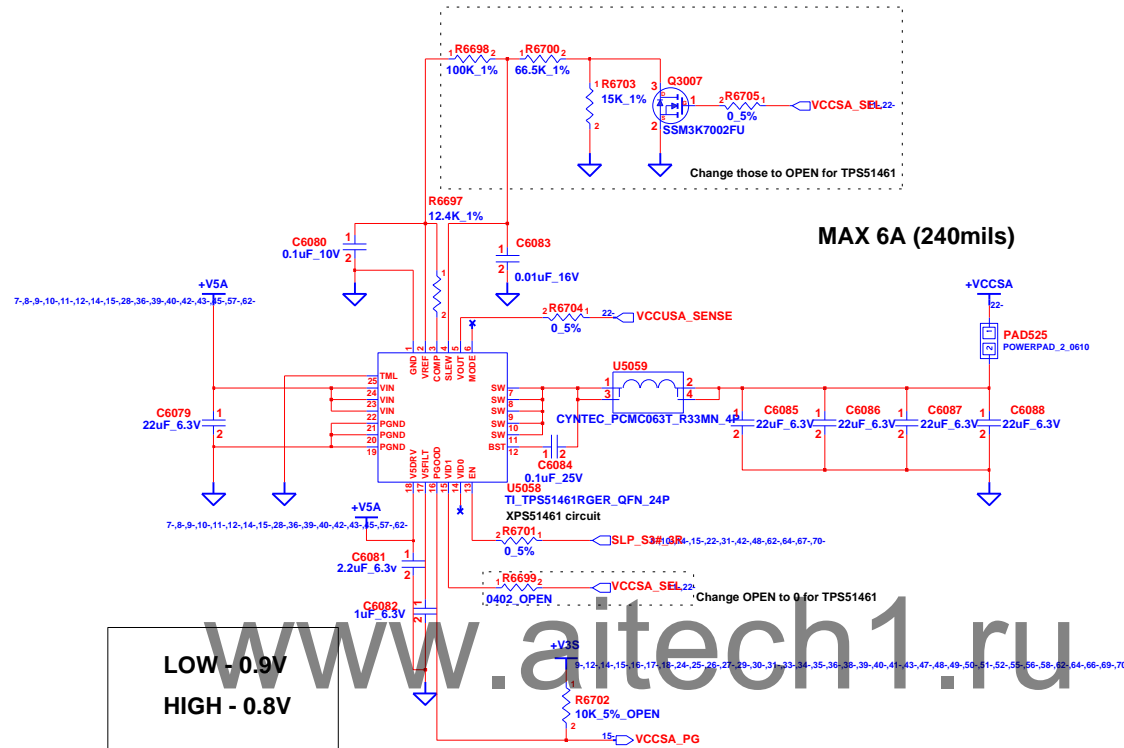
CHANGE by Evan Shih 21-May-2010



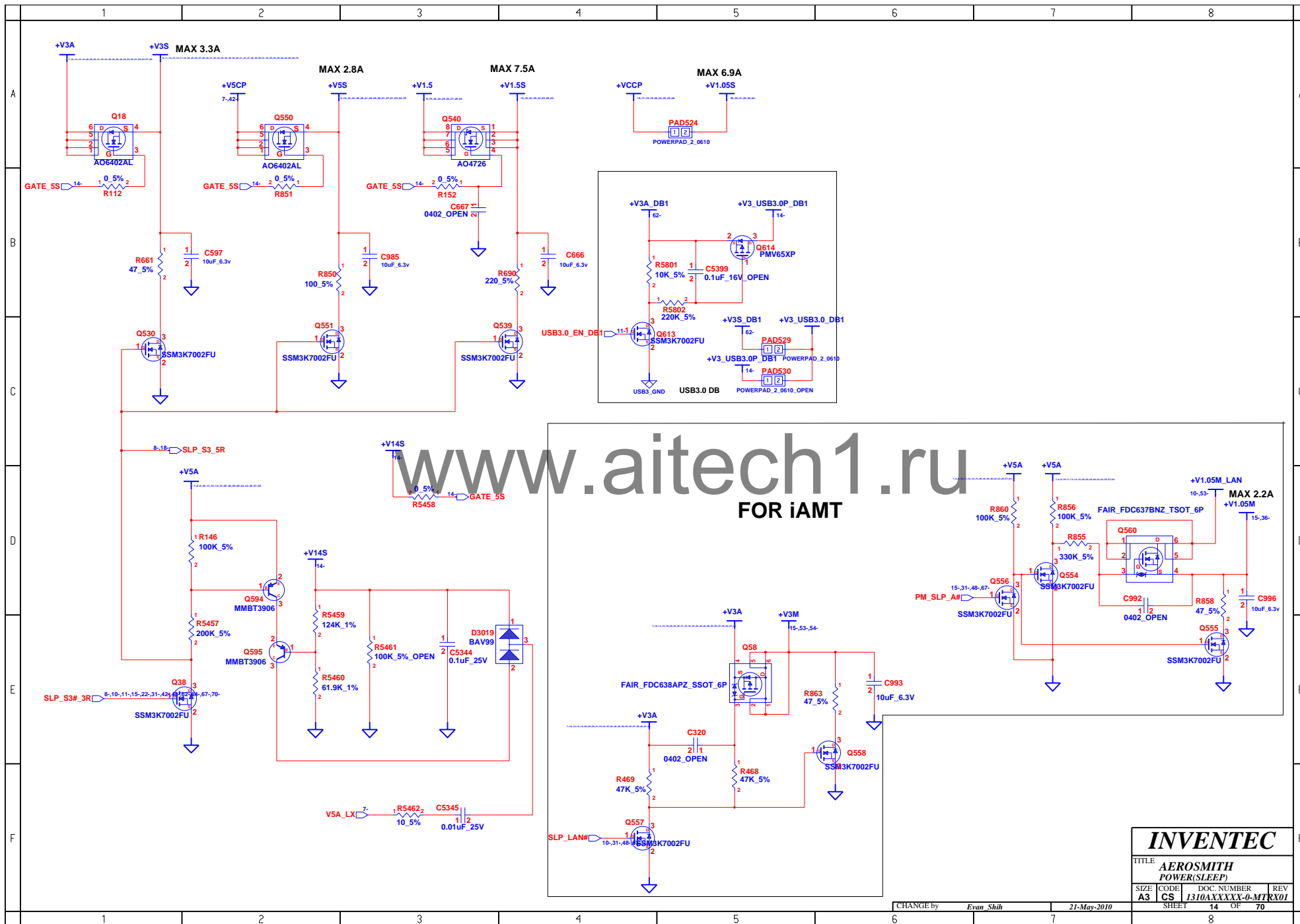
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INVENTEC			
TITLE AEROSMITH SYSTEM POWER(+V1.8S)			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 1
CHANGE by Evan Shih		21-May-2010	
SHEET		9 OF 70	





INVENTEC			
TITLE: AEROSMITH CPU POWER(+0.85S)			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310AXXXX-0-MTRX01	REV: 11
CHANGE by: Evan Shih		21-May-2010	
SHEET: 11		OF: 70	

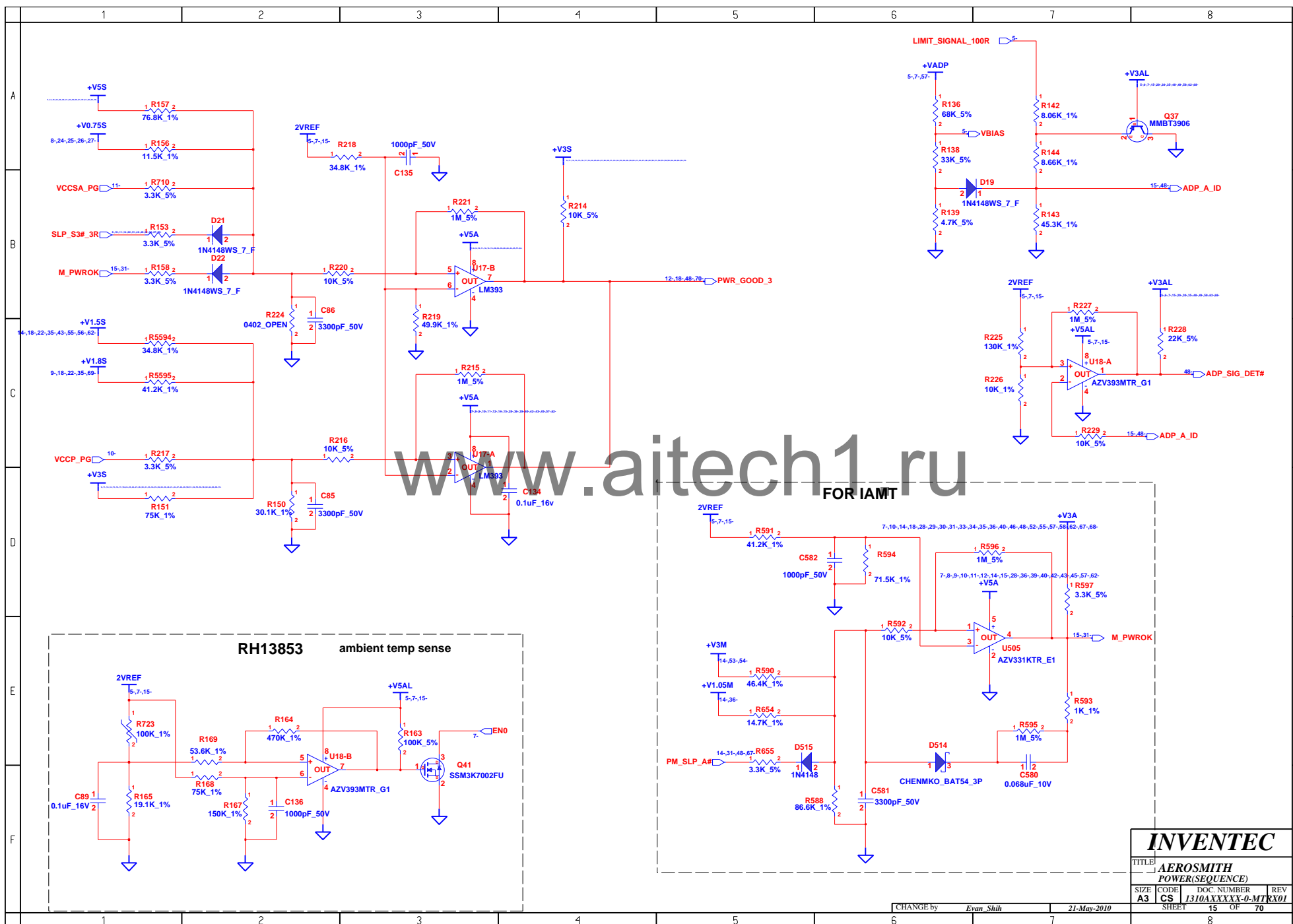


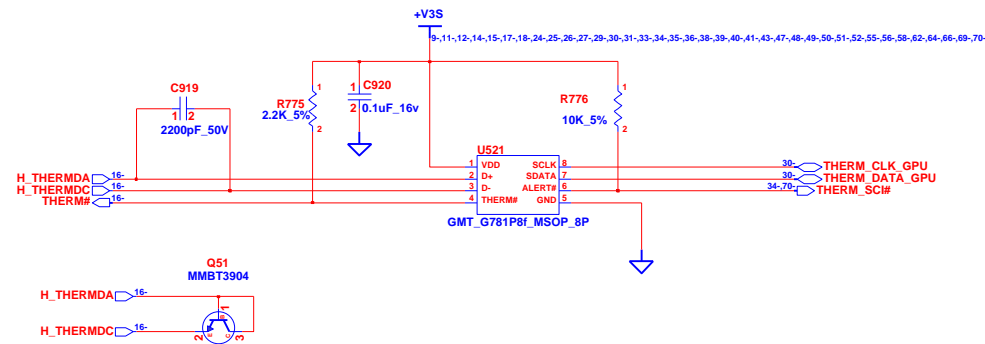
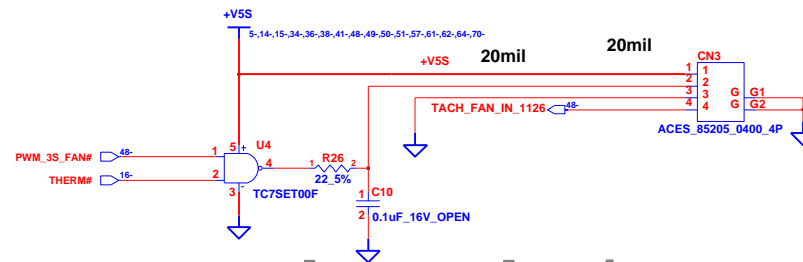
INVENTEC

TITLE
**AEROSMITH
POWER(SLEEP)**

SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 14
SHEET		OF	
14		70	

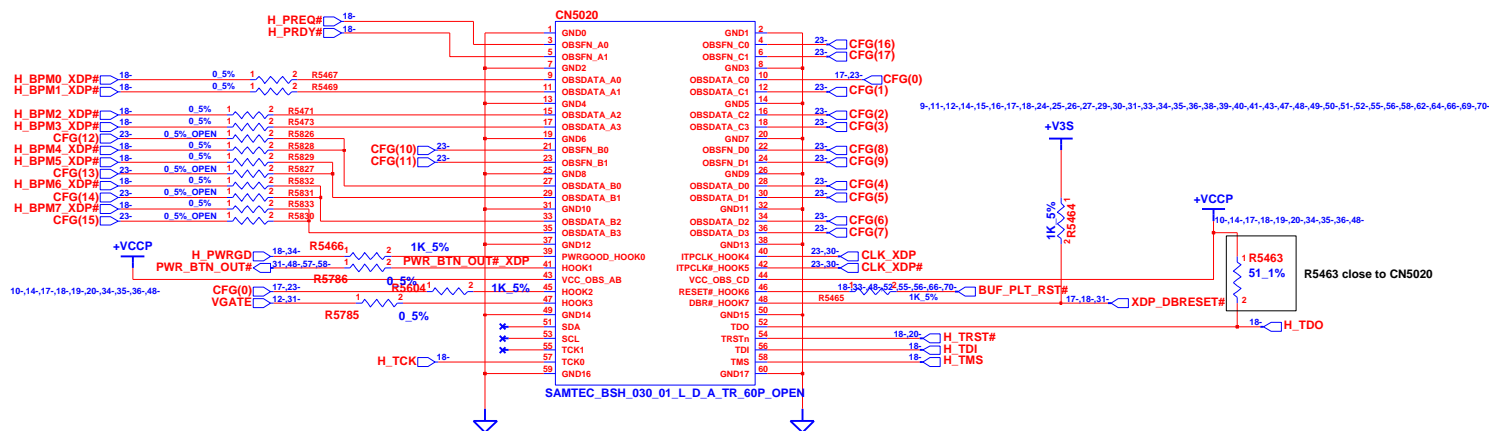
CHANGE by *Evan Shih* 21-May-2010





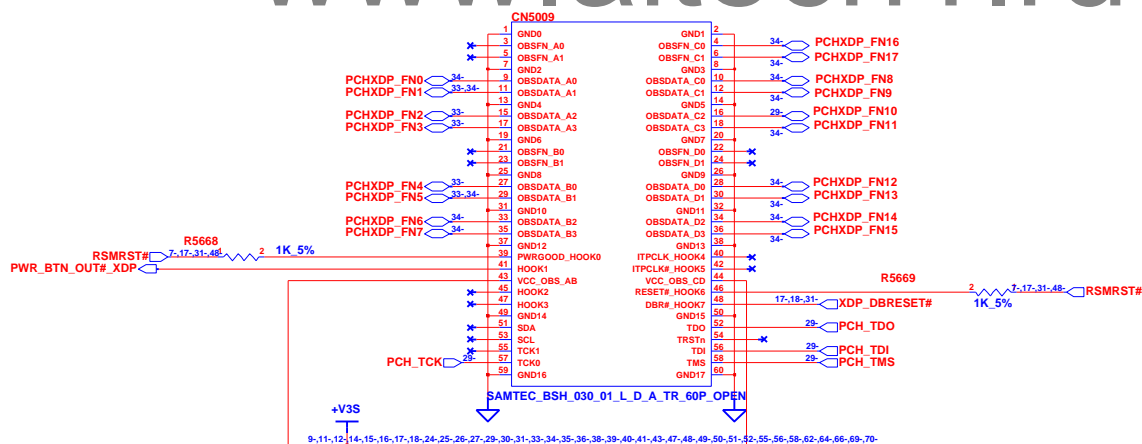
THERMAL SENSOR

INVENTEC			
TITLE AEROSMITH THERMAL & FAN CONTROLLER			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXXX-0-MTRX01	REV
SHEET		16	OF 70



CPU XDP CONNECTOR

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PCH XDP CONNECTOR

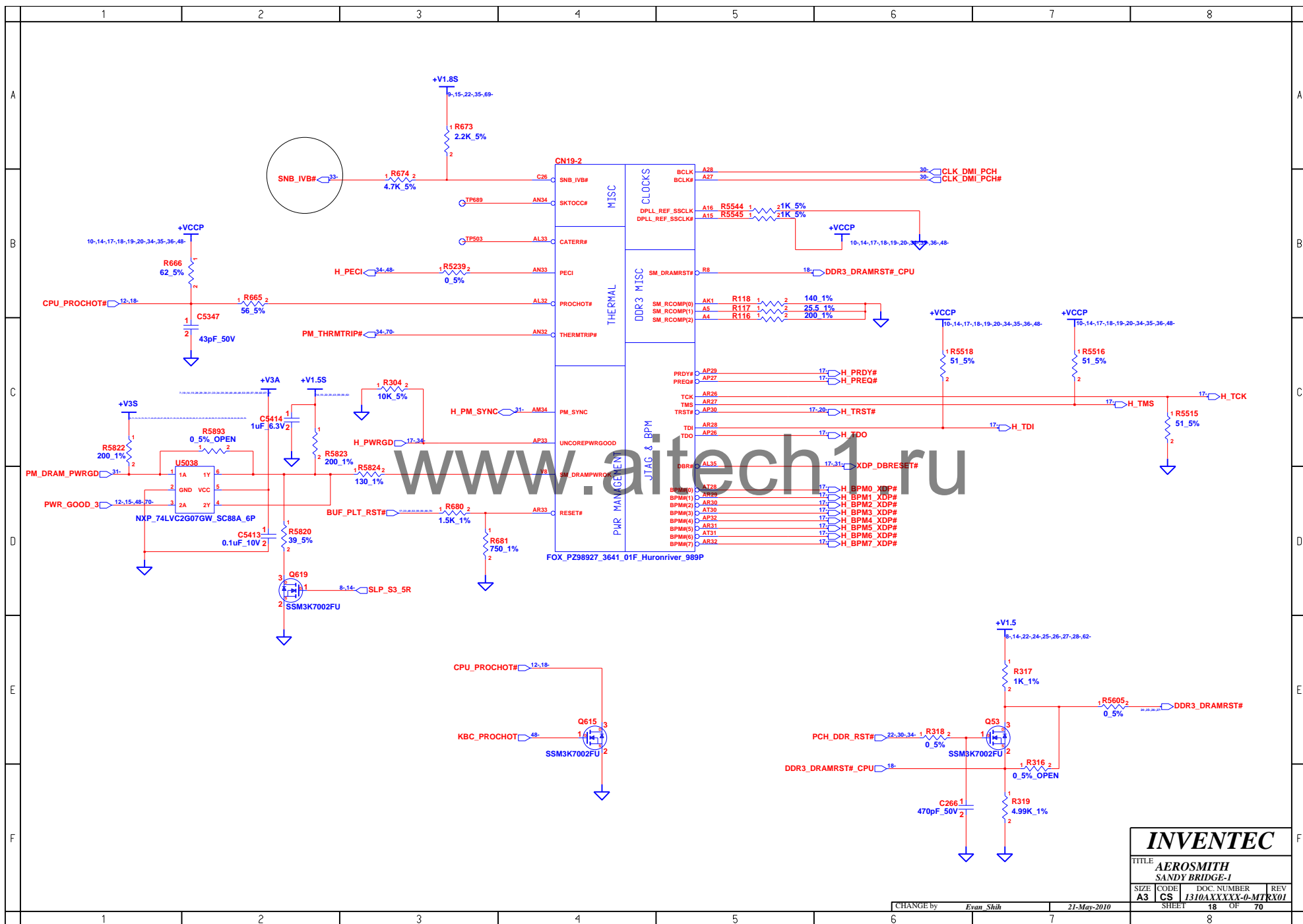
INVENTEC

TITLE
**AEROSMITH
XDP CONNECTOR**

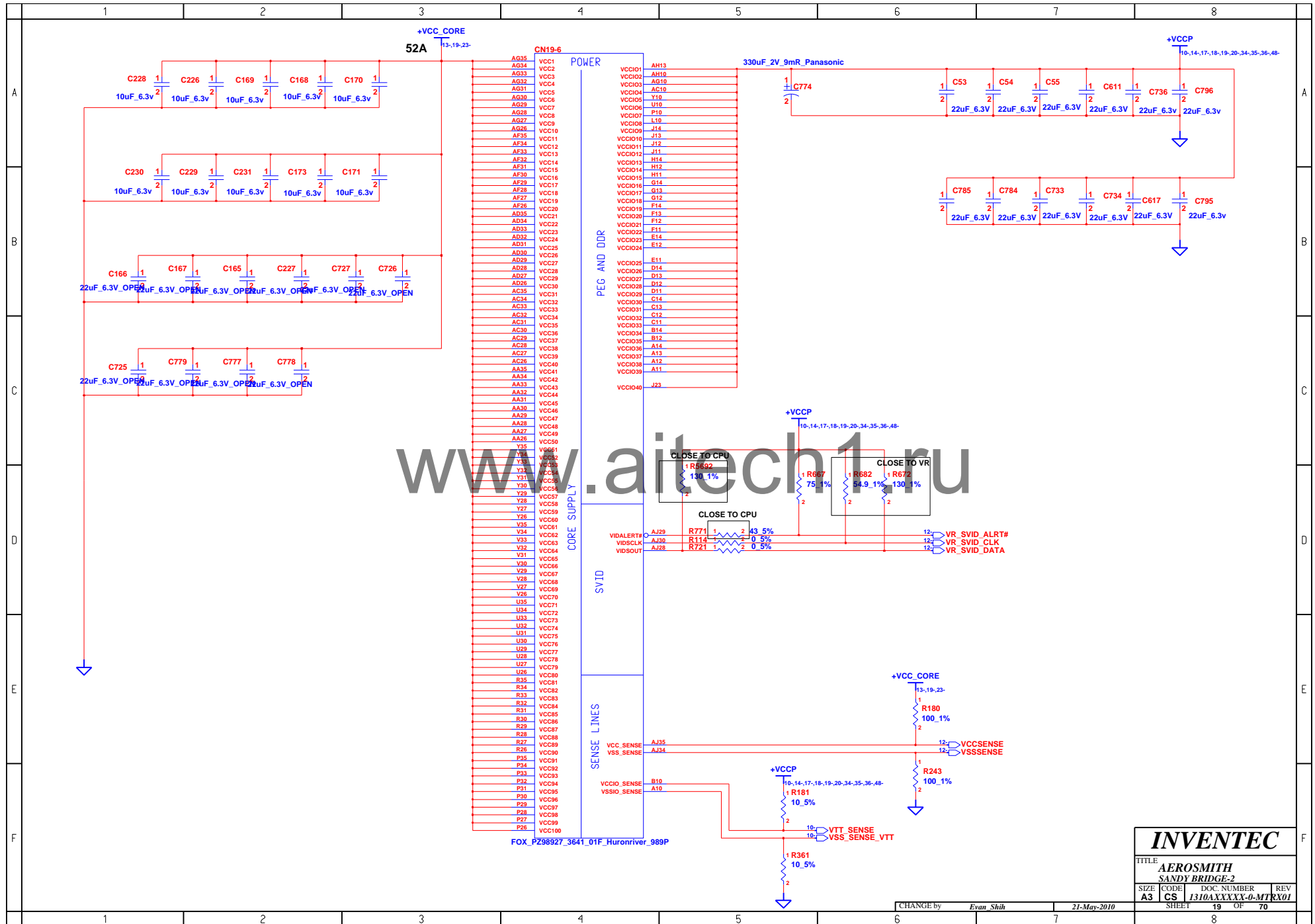
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A3 CS 1310AXXXX-0-MTRX01

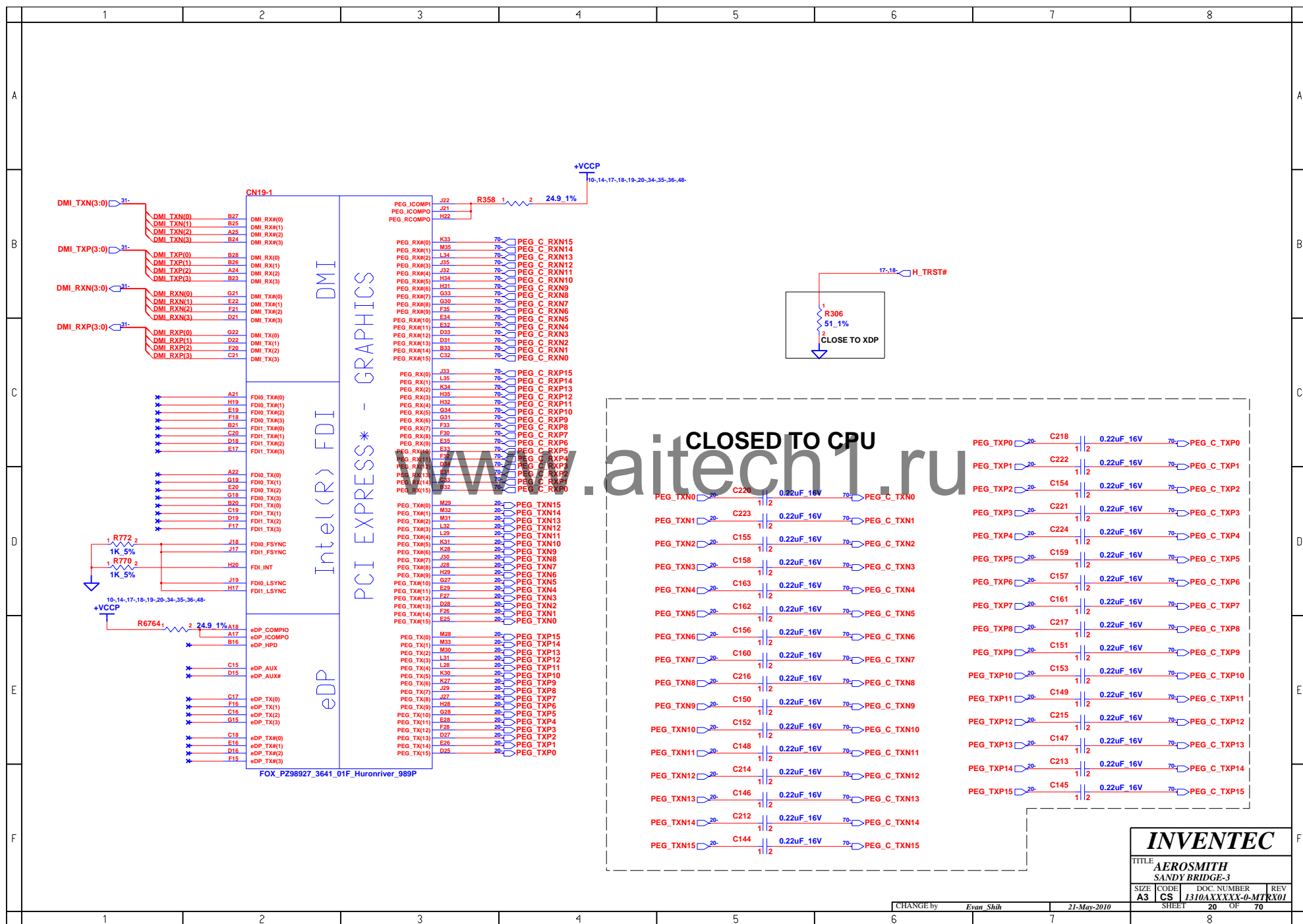
CHANGE by *Evan Shih* 24-May-2010

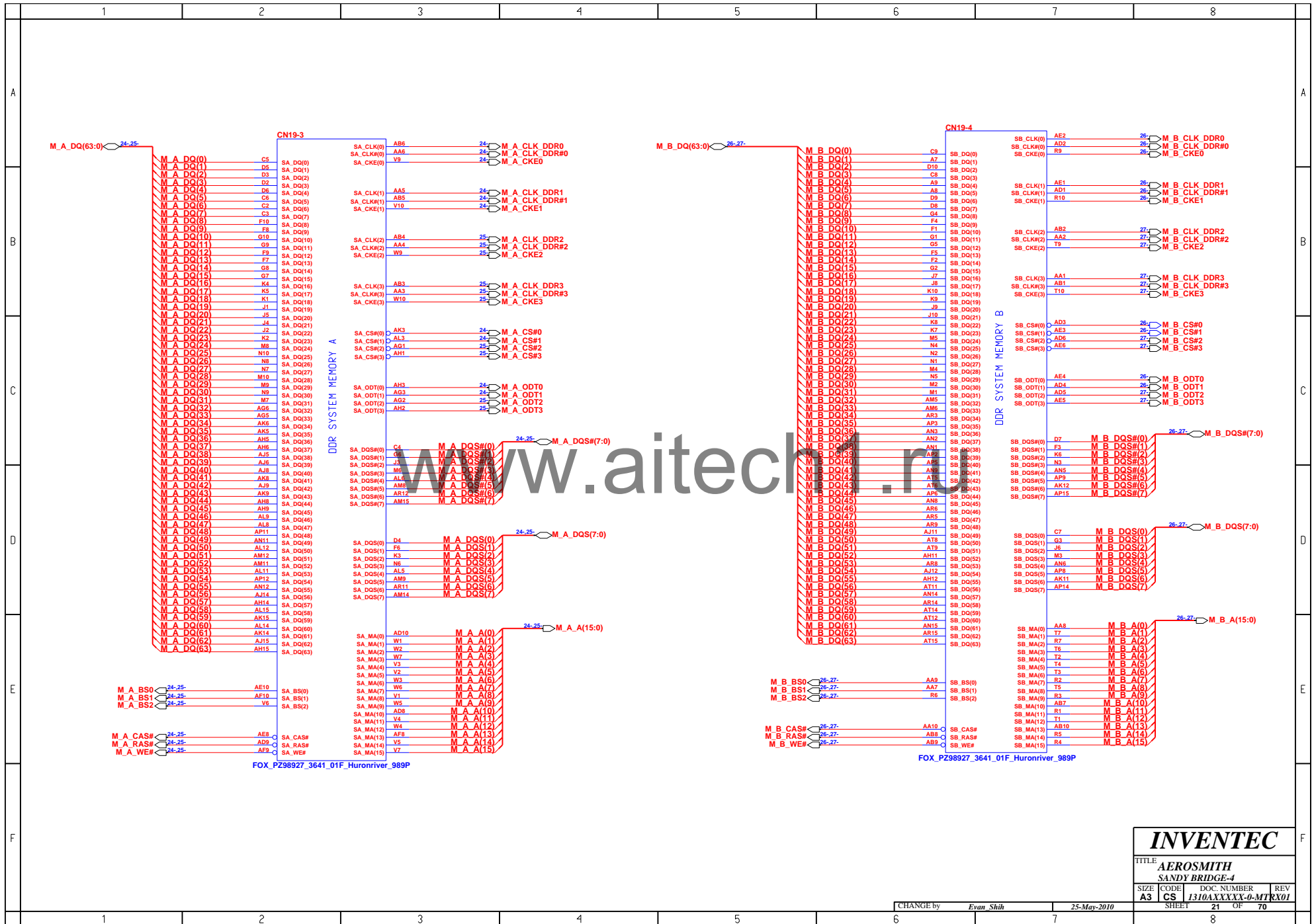
SHEET 17 OF 70



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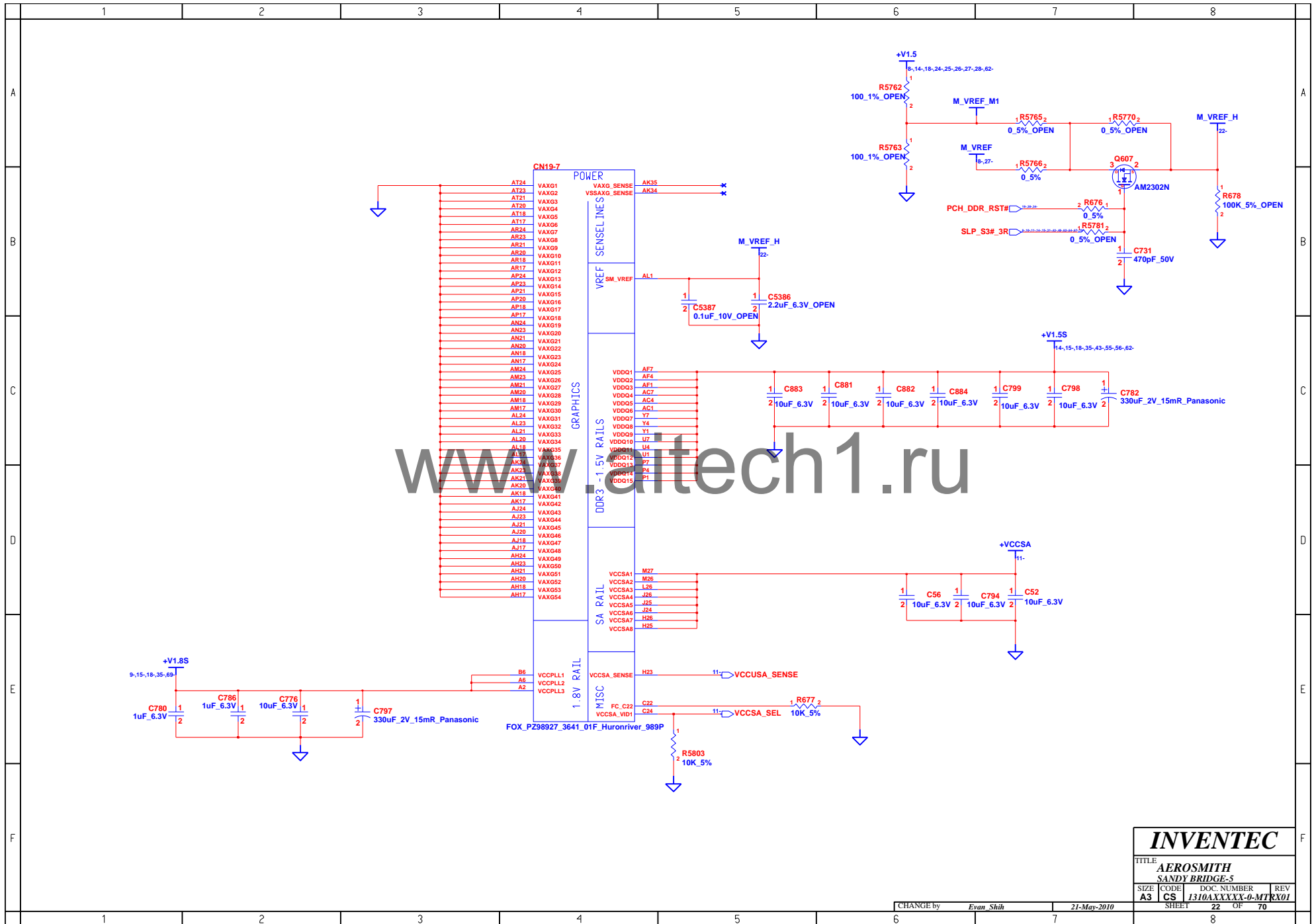


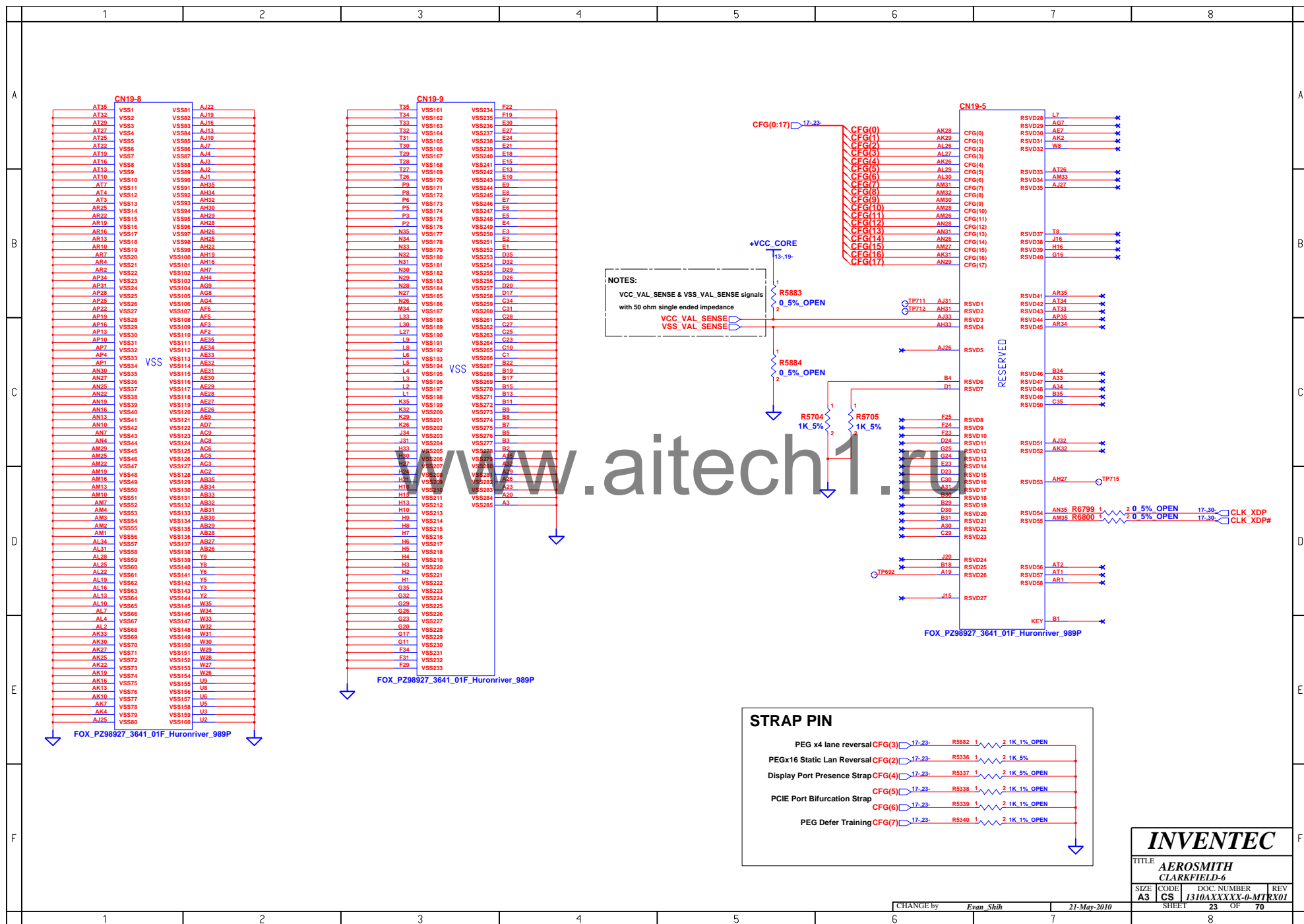


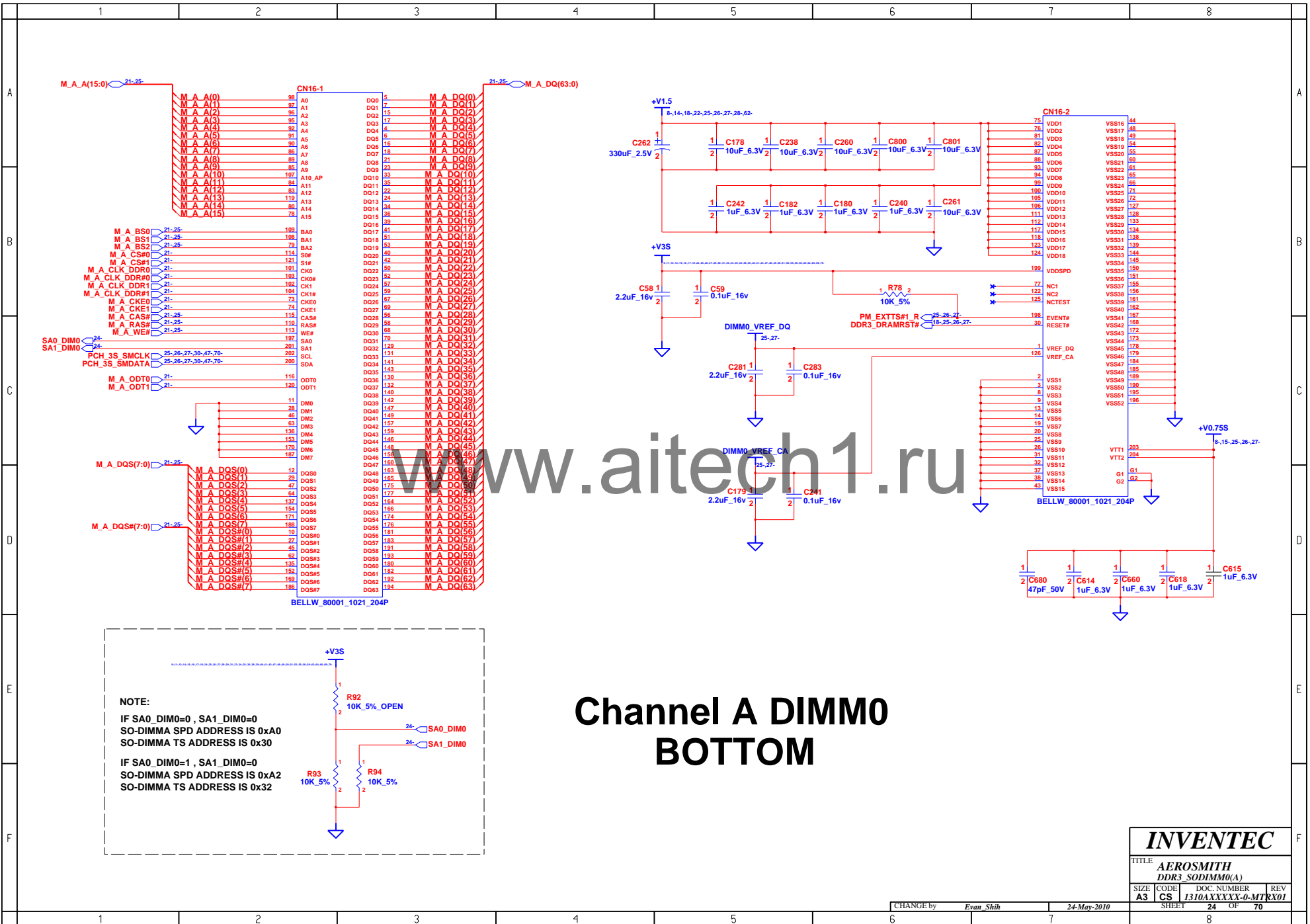
INVENTEC

TITLE AEROSMITH SANDY BRIDGE-4			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 70
SHEET 21		OF 70	

CHANGE by: Evan Shih 25-May-2010





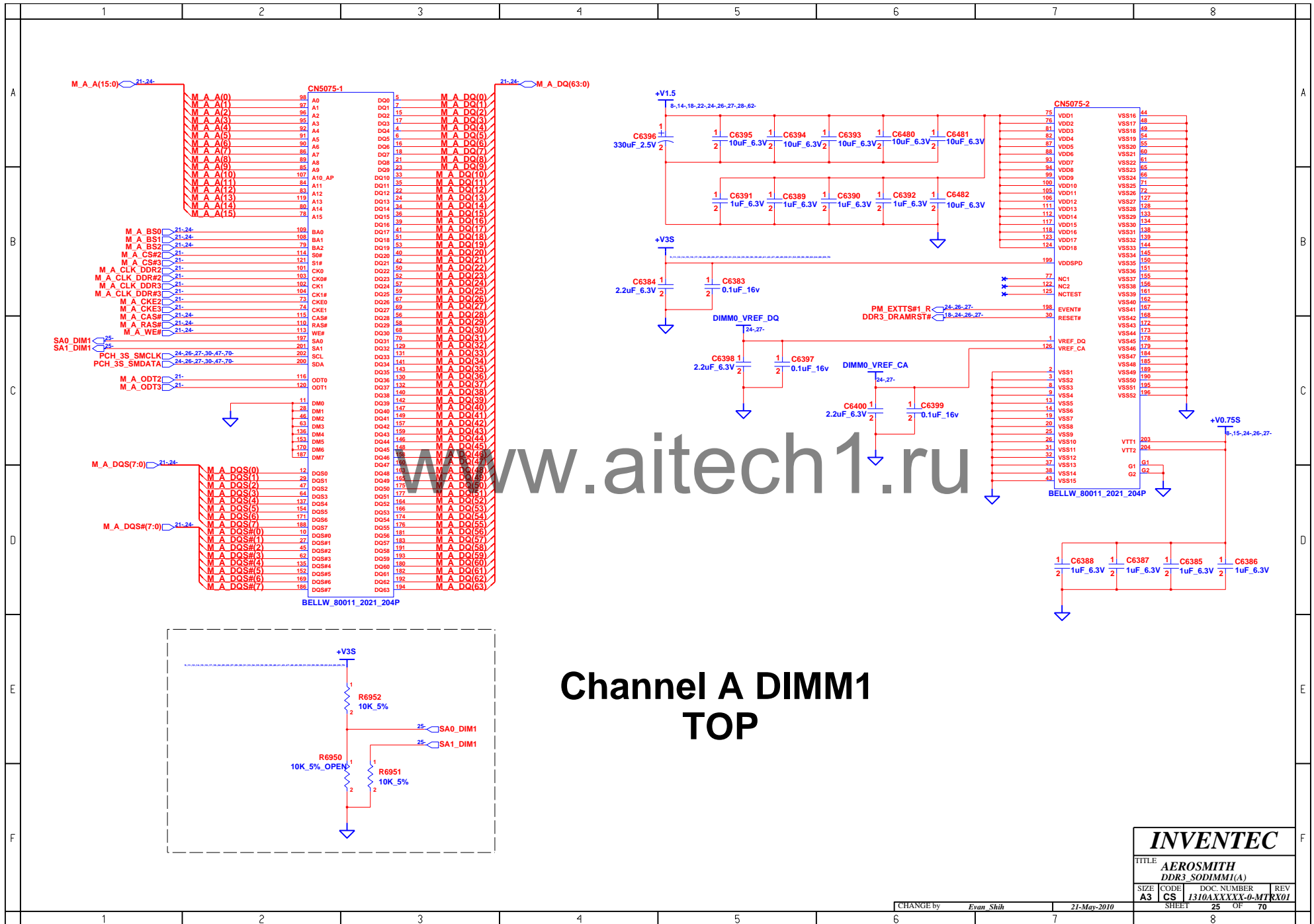


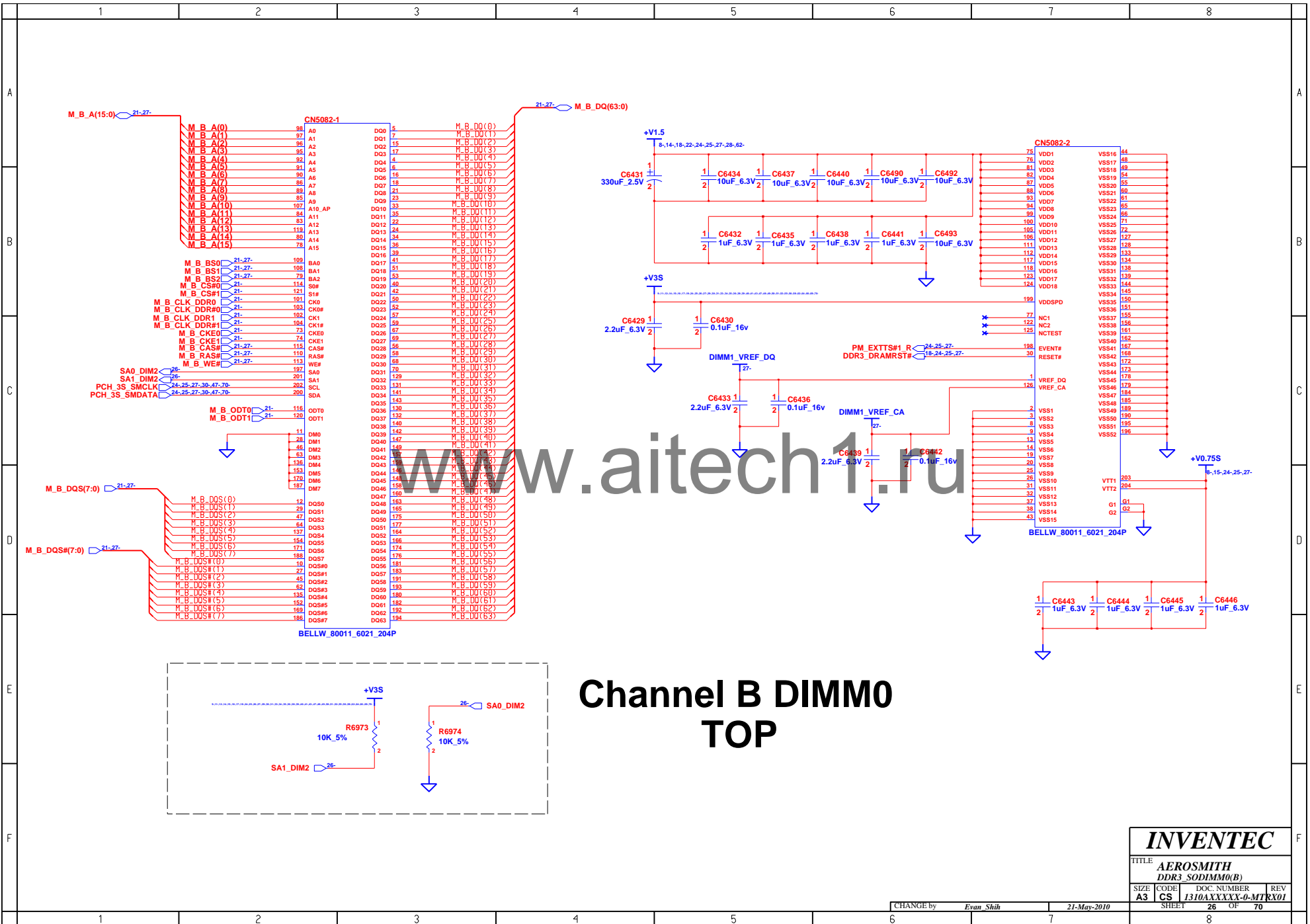
Channel A DIMM0 BOTTOM

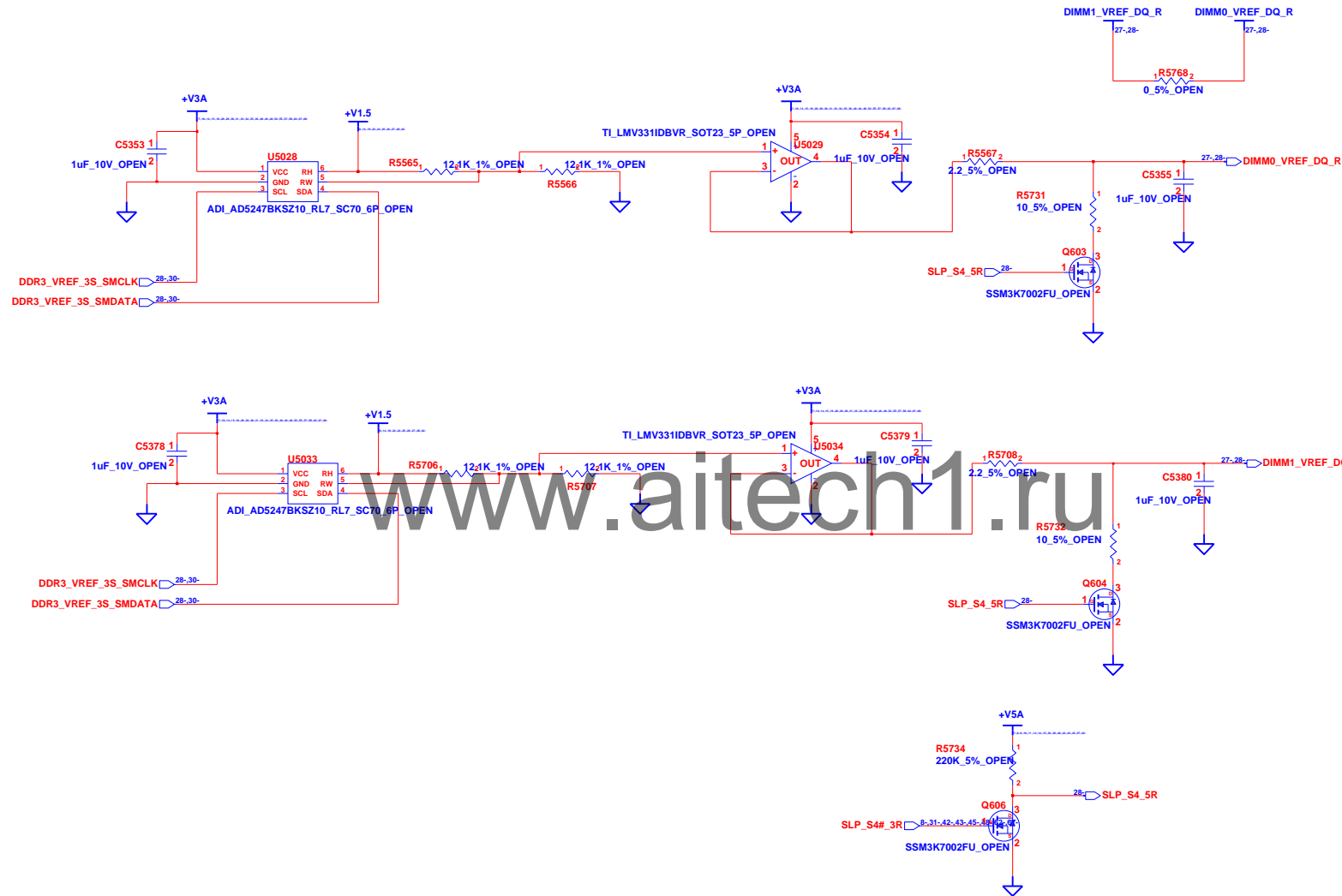
INVENTEC

TITLE AEROSMITH DDR3_SODIMM0(A)			
SIZE A3	CODE CS	DOC NUMBER 1310AXXXX-0-MTRX01	REV 70
SHEET		24	OF

CHANGE by *Evan Shih* 24-May-2010







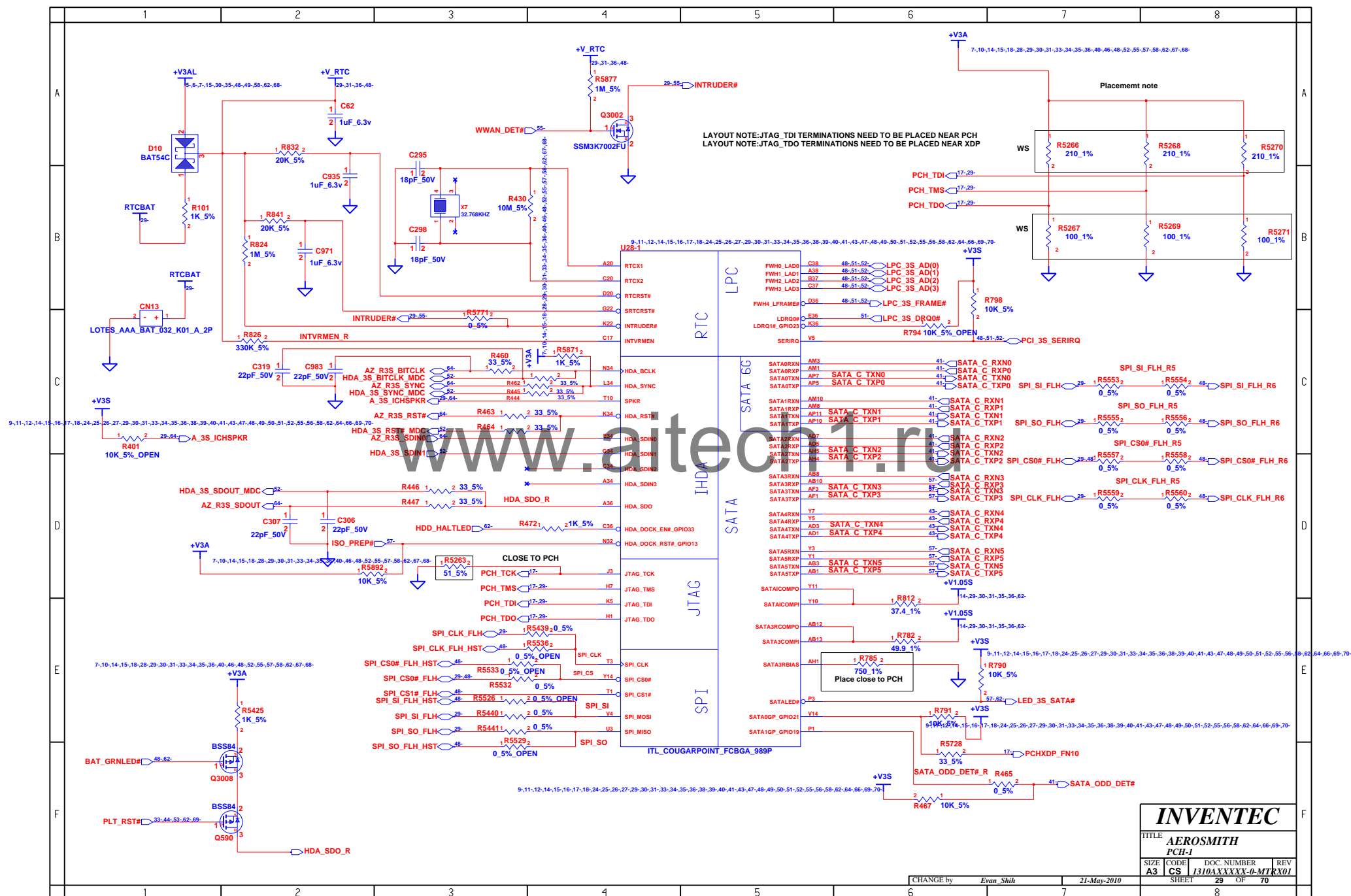
INVENTEC

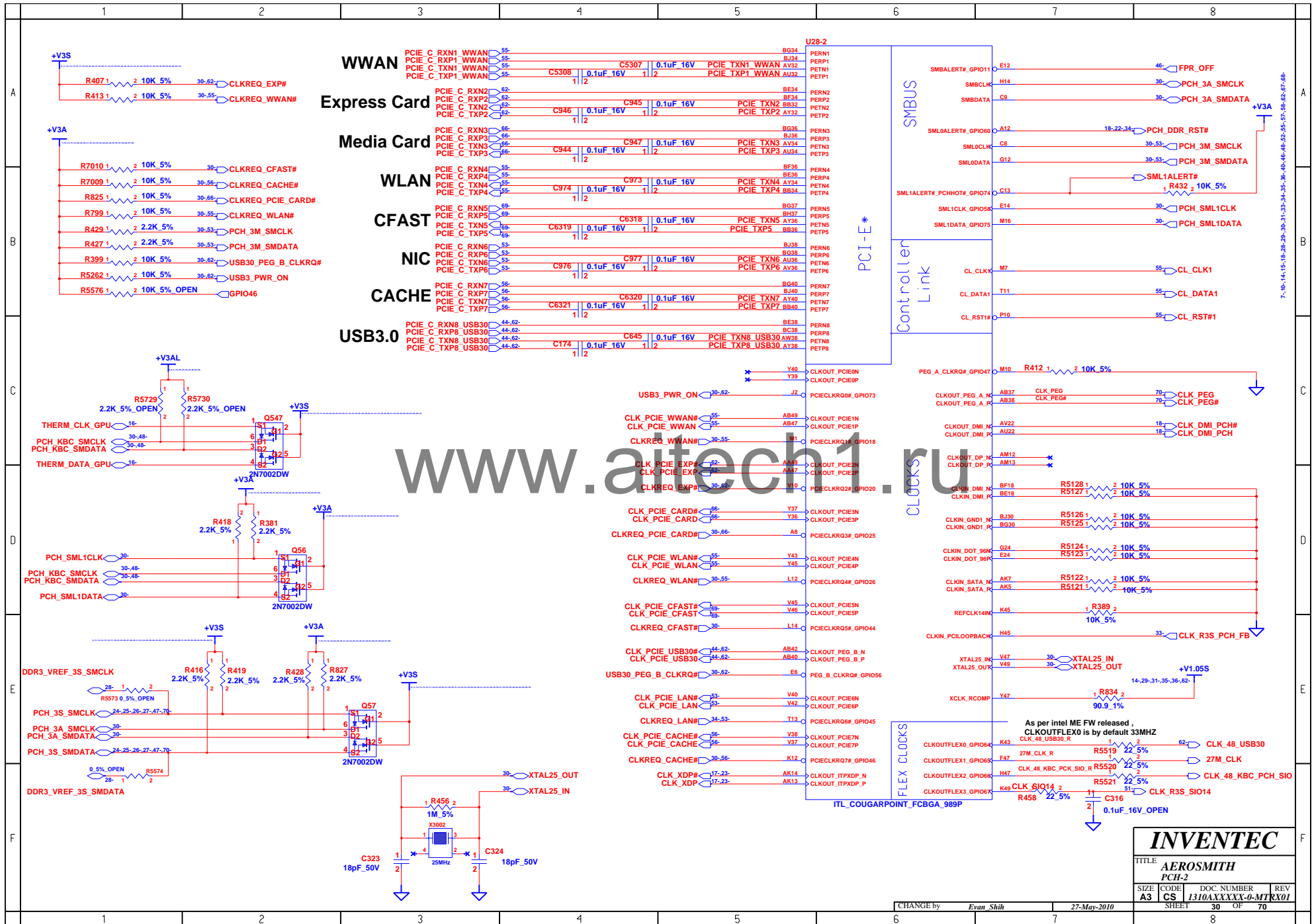
TITLE
**AEROSMITH
DDR3_VREF**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AXXXX-0-MTRX01	

CHANGE by *Evan Shih* 21-May-2010

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Note:

- 1.SLP_SUS and SUSACK# are NC if DSW is not supported
- 2.DPWROK should connect to RSMRST# if DSW not supported
- 3.PCH_DPWROK pull up to +V3S enables DSW wupport. No install R5261 to disable DSW

Legend:

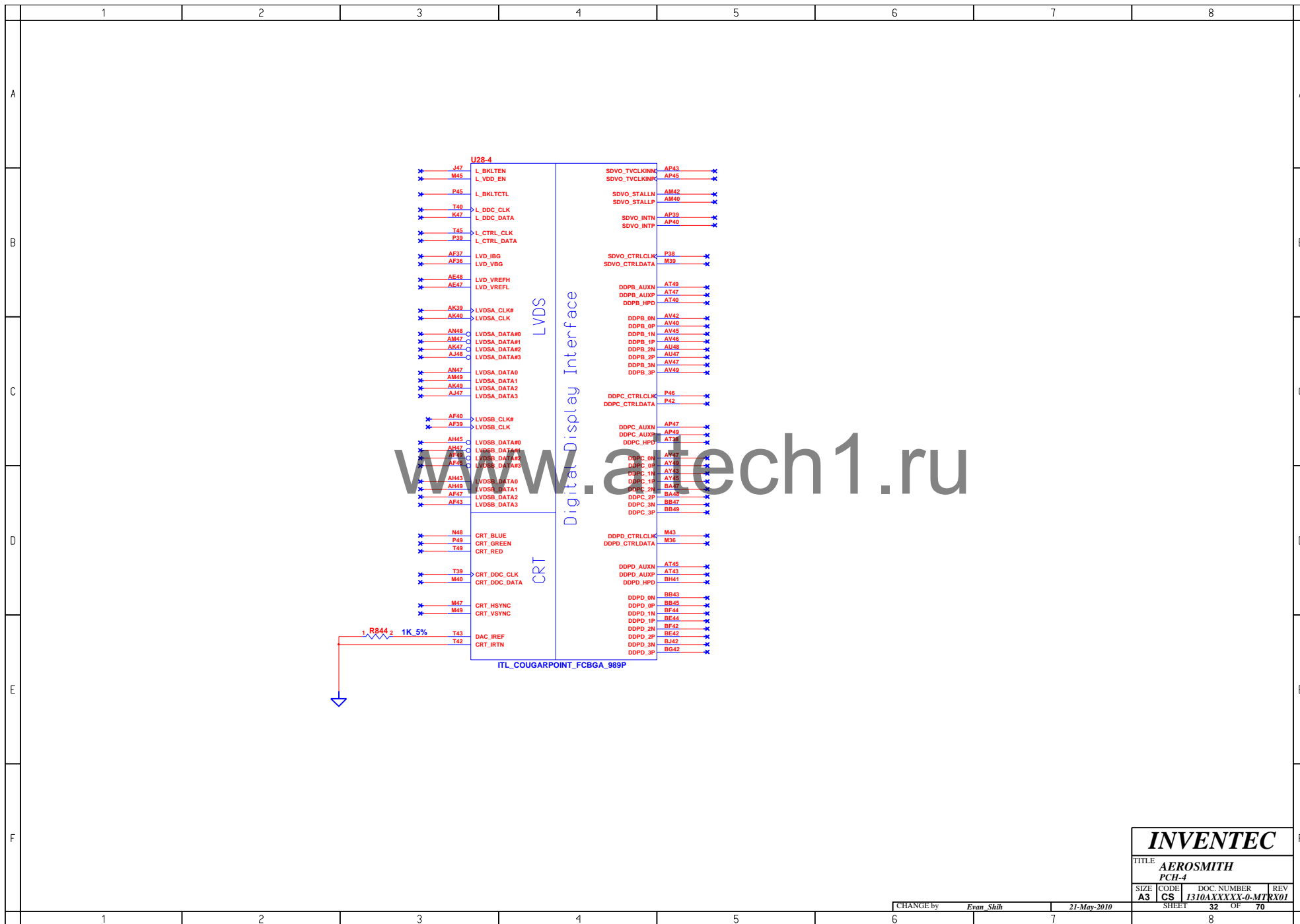
- 1: 10K 5%
- 2: 10K 5%
- 3: 10K 5%
- 4: 10K 5%
- 5: 10K 5%
- 6: 10K 5%
- 7: 10K 5%
- 8: 10K 5%
- 9: 10K 5%
- 10: 10K 5%
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- 93: 10K 5%
- 94: 10K 5%
- 95: 10K 5%
- 96: 10K 5%
- 97: 10K 5%
- 98: 10K 5%
- 99: 10K 5%
- 100: 10K 5%

Component List:

- R409: 10K 5%
- R206: 10K 5%
- R802: 0 5% OPEN
- R800: 0 5%
- R804: 10K 5%
- R805: 0 5%
- R806: 0 5%
- R807: 10K 5%
- R808: 10K 5%
- R809: 10K 5%
- R810: 10K 5%
- R811: 10K 5%
- R812: 10K 5%
- R813: 10K 5%
- R814: 10K 5%
- R815: 10K 5%
- R816: 10K 5%
- R817: 10K 5%
- R818: 10K 5%
- R819: 10K 5%
- R820: 10K 5%
- R821: 10K 5%
- R822: 10K 5%
- R823: 10K 5%
- R824: 10K 5%
- R825: 10K 5%
- R826: 10K 5%
- R827: 10K 5%
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- R830: 10K 5%
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- R893: 10K 5%
- R894: 10K 5%
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- R898: 10K 5%
- R899: 10K 5%
- R900: 10K 5%

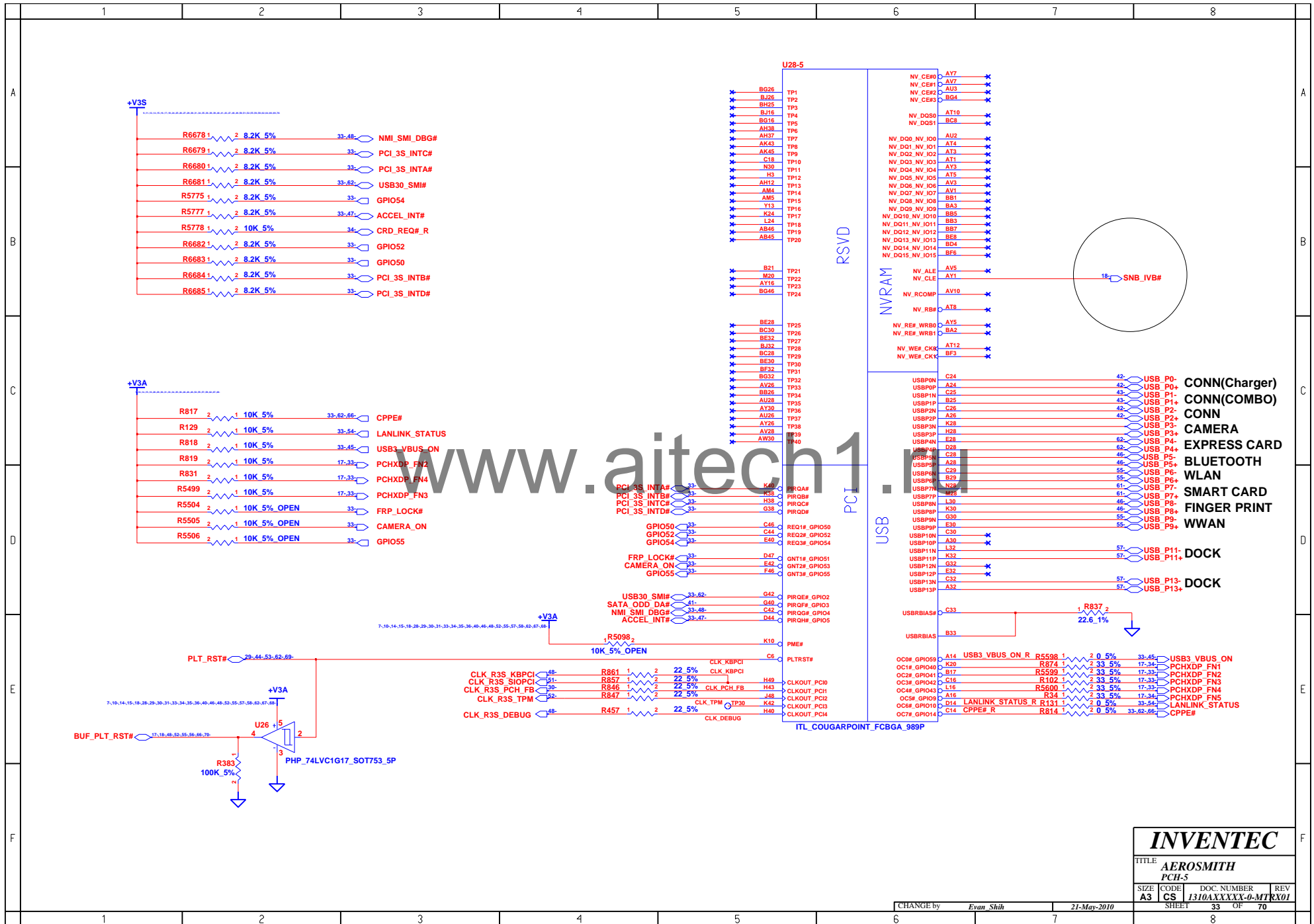
TITLE			
AEROSMITH PCH-3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AXXXX-0-MTR	X01
SHEET		31	OF 70

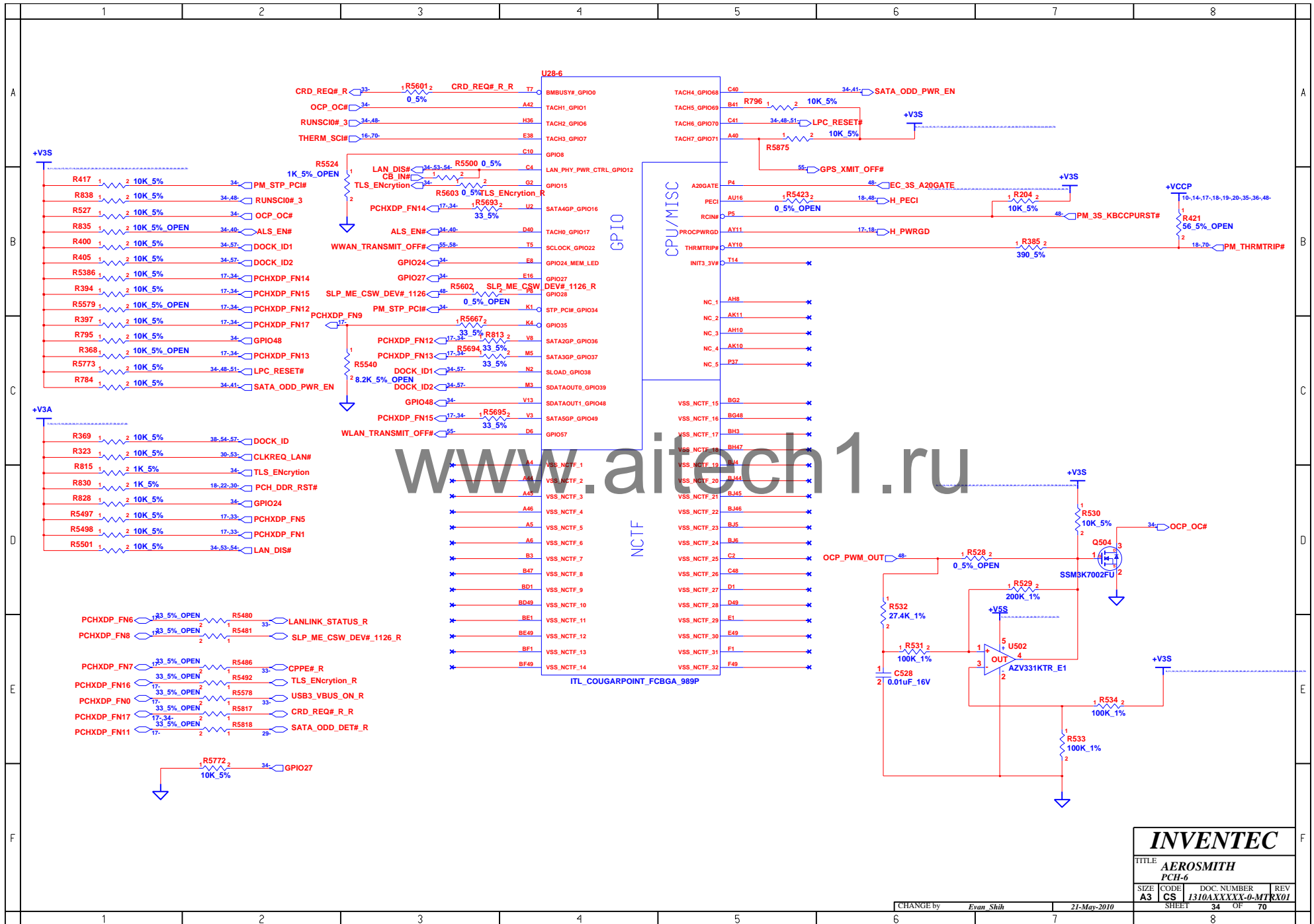
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTR	REV X01
SHEET		31	OF 70

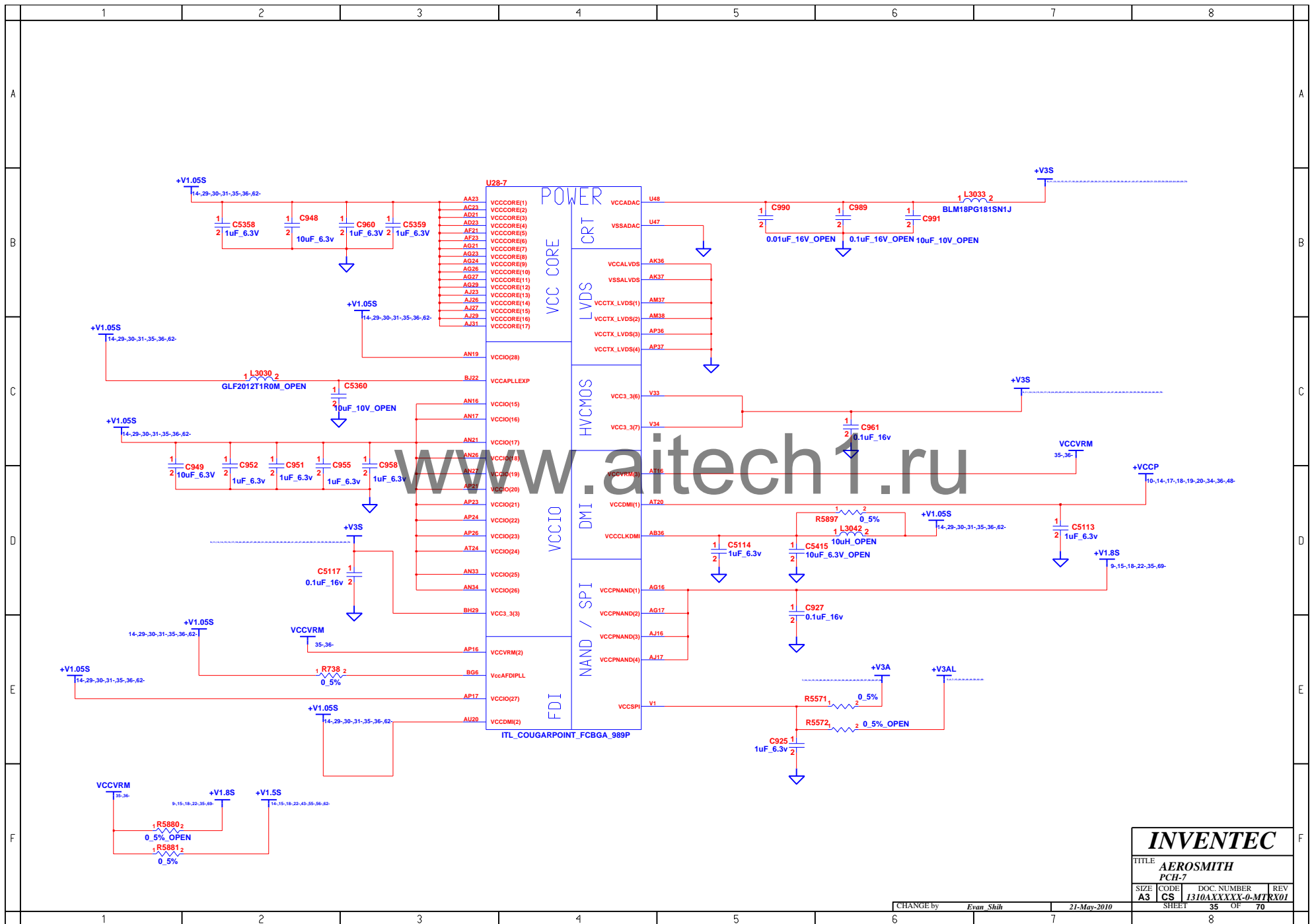


INVENTEC			
TITLE AEROSMITH PCH-4			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 70
SHEET		32	OF 70

CHANGE by *Evan Shih* 21-May-2010







INVENTEC			
TITLE AEROSMITH PCH-7			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 35
SHEET 35 OF 70			

CHANGE by Evan Shih 21-May-2010

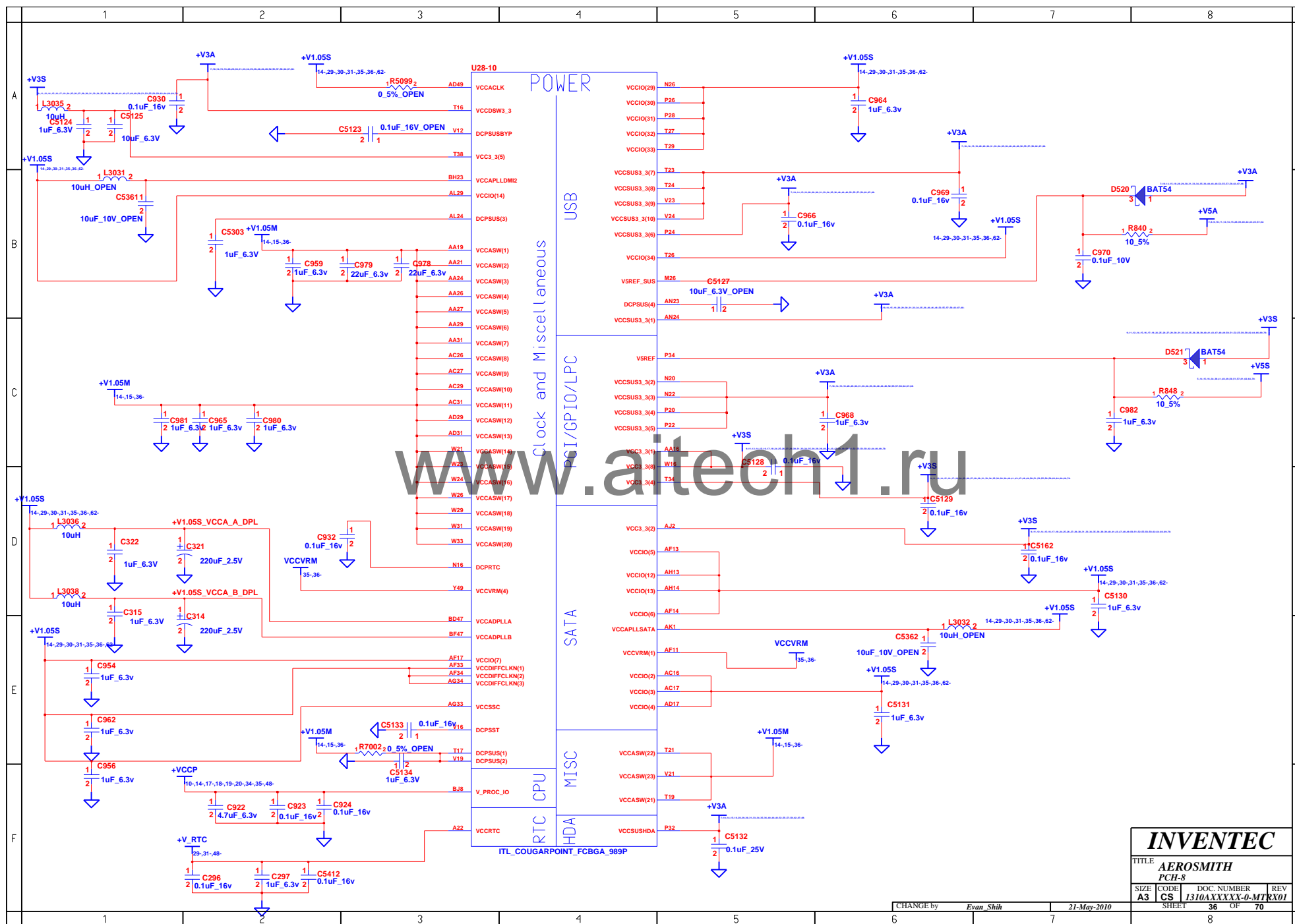


Diagram showing two pinout tables for the ITL COUGARPOINT_FCBGA_989P package, labeled U28-8 and U28-9. The tables list pin numbers and corresponding signal names.

U28-8

HS	VSS(0)	AK38
AA17	VSS(1)	AK38
AA2	VSS(2)	AK4
AA3	VSS(3)	AK42
AA33	VSS(4)	AK46
AA34	VSS(5)	AK8
AB11	VSS(6)	AL16
AB14	VSS(7)	AL17
AB39	VSS(8)	AL19
AB4	VSS(9)	AL2
AB43	VSS(10)	AL21
AB5	VSS(11)	AL23
AB7	VSS(12)	AL26
AC19	VSS(13)	AL27
AC2	VSS(14)	AL33
AC21	VSS(15)	AL34
AC24	VSS(16)	AL48
AC33	VSS(17)	AM11
AC34	VSS(18)	AM14
AC46	VSS(19)	AM36
AD19	VSS(20)	AM39
AD11	VSS(21)	AM43
AD12	VSS(22)	AM45
AD13	VSS(23)	AM46
AD19	VSS(24)	AM7
AD24	VSS(25)	AN2
AD26	VSS(26)	AN29
AD27	VSS(27)	AN3
AD33	VSS(28)	AN31
AD34	VSS(29)	AP12
AD36	VSS(30)	AP19
AD37	VSS(31)	AP28
AD38	VSS(32)	AP30
AD39	VSS(33)	AP32
AD4	VSS(34)	AP38
AD40	VSS(35)	AP4
AD42	VSS(36)	AP42
AD43	VSS(37)	AP46
AD44	VSS(38)	AP8
AD46	VSS(39)	AR2
AD8	VSS(40)	AR48
AE2	VSS(41)	AT11
AE3	VSS(42)	AT13
AF19	VSS(43)	AT18
AF12	VSS(44)	AT22
AD14	VSS(45)	AT26
AD16	VSS(46)	AT28
AF16	VSS(47)	AT30
AF19	VSS(48)	AT32
AF24	VSS(49)	AT34
AF26	VSS(50)	AT39
AF27	VSS(51)	AT42
AF29	VSS(52)	AT46
AF31	VSS(53)	AT7
AF38	VSS(54)	AU24
AF4	VSS(55)	AU30
AF42	VSS(56)	AU32
AF46	VSS(57)	AU38
AF5	VSS(58)	AU40
AF7	VSS(59)	AU42
AF8	VSS(60)	AU43
AG19	VSS(61)	AU48
AG2	VSS(62)	AW14
AG31	VSS(63)	AW18
AG48	VSS(64)	AW2
AH11	VSS(65)	AW22
AH3	VSS(66)	AW26
AH36	VSS(67)	AW28
AH39	VSS(68)	AW32
AH40	VSS(69)	AW34
AH42	VSS(70)	AW38
AH46	VSS(71)	AW40
AH7	VSS(72)	AW42
AJ19	VSS(73)	AW48
AJ21	VSS(74)	AX11
AJ24	VSS(75)	AX12
AJ33	VSS(76)	AX22
AJ34	VSS(77)	AX26
AK12	VSS(78)	AX28
AK3	VSS(79)	AX32

ITL COUGARPOINT_FCBGA_989P

U28-9

AY4	VSS(159)	VSS(259)	H46
AY42	VSS(160)	VSS(260)	K18
AY46	VSS(161)	VSS(261)	K26
AY8	VSS(162)	VSS(262)	K39
B11	VSS(163)	VSS(263)	K46
B15	VSS(164)	VSS(264)	K7
B19	VSS(165)	VSS(265)	L18
B23	VSS(166)	VSS(266)	L2
B27	VSS(167)	VSS(267)	L20
B31	VSS(168)	VSS(268)	L26
B35	VSS(169)	VSS(269)	L28
B39	VSS(170)	VSS(270)	L36
B7	VSS(171)	VSS(271)	L48
B45	VSS(172)	VSS(272)	M12
BB12	VSS(173)	VSS(273)	P16
BB16	VSS(174)	VSS(274)	M18
BB20	VSS(175)	VSS(275)	M22
BB22	VSS(176)	VSS(276)	M24
BB24	VSS(177)	VSS(277)	M30
BB28	VSS(178)	VSS(278)	M32
BB30	VSS(179)	VSS(279)	M34
BB38	VSS(180)	VSS(280)	M4
BB4	VSS(181)	VSS(281)	M38
BB46	VSS(182)	VSS(282)	M42
BC14	VSS(183)	VSS(283)	M46
BC18	VSS(184)	VSS(284)	M8
BC2	VSS(185)	VSS(285)	N18
BC22	VSS(186)	VSS(286)	P30
BC26	VSS(187)	VSS(287)	M47
BC32	VSS(188)	VSS(288)	P11
BC34	VSS(189)	VSS(289)	P18
BC36	VSS(190)	VSS(290)	T33
BC40	VSS(191)	VSS(291)	P40
BC42	VSS(192)	VSS(292)	P43
BC48	VSS(193)	VSS(293)	P47
BD46	VSS(194)	VSS(294)	P7
B05	VSS(195)	VSS(295)	R2
BE22	VSS(196)	VSS(296)	R48
BE26	VSS(197)	VSS(297)	T12
BE40	VSS(198)	VSS(298)	T31
BF10	VSS(199)	VSS(299)	T37
BF12	VSS(200)	VSS(300)	T4
BF16	VSS(201)	VSS(301)	W34
BF20	VSS(202)	VSS(302)	T46
BF22	VSS(203)	VSS(303)	T47
BF24	VSS(204)	VSS(304)	T8
BF26	VSS(205)	VSS(305)	V11
BF28	VSS(206)	VSS(306)	V17
BF30	VSS(207)	VSS(307)	V26
BF32	VSS(208)	VSS(308)	V27
BF34	VSS(209)	VSS(309)	V29
BF36	VSS(210)	VSS(310)	V31
BF38	VSS(211)	VSS(311)	V36
BF40	VSS(212)	VSS(312)	V39
BF42	VSS(213)	VSS(313)	V43
BF44	VSS(214)	VSS(314)	V7
BF46	VSS(215)	VSS(315)	W17
BF48	VSS(216)	VSS(316)	W19
BH11	VSS(217)	VSS(317)	W2
BH15	VSS(218)	VSS(318)	W27
BH17	VSS(219)	VSS(319)	W48
BH19	VSS(220)	VSS(320)	Y12
H10	VSS(221)	VSS(321)	Y38
BH27	VSS(222)	VSS(322)	Y4
BH31	VSS(223)	VSS(323)	Y42
BH33	VSS(224)	VSS(324)	Y46
BH35	VSS(225)	VSS(325)	Y8
BH39	VSS(226)	VSS(326)	Y28
BH43	VSS(227)	VSS(327)	N24
BH7	VSS(228)	VSS(328)	AJ3
D3	VSS(229)	VSS(329)	AD47
D12	VSS(230)	VSS(330)	RA3
D16	VSS(231)	VSS(331)	BE10
D18	VSS(232)	VSS(332)	BG41
D22	VSS(233)	VSS(333)	G14
D24	VSS(234)	VSS(334)	H16
D26	VSS(235)	VSS(335)	T36
D30	VSS(236)	VSS(336)	BG22
D32	VSS(237)	VSS(337)	BG24
D34	VSS(238)	VSS(338)	C22
D38	VSS(239)	VSS(339)	AP13
D42	VSS(240)	VSS(340)	M14
D6	VSS(241)	VSS(341)	AP3
E18	VSS(242)	VSS(342)	AP1
E26	VSS(243)	VSS(343)	BE16
G18	VSS(244)	VSS(344)	BC16
G20	VSS(245)	VSS(345)	RG28
G26	VSS(246)	VSS(346)	BJ28
G28	VSS(247)	VSS(347)	
G36	VSS(248)	VSS(348)	
G48	VSS(249)	VSS(349)	
H12	VSS(250)	VSS(350)	
H18	VSS(251)	VSS(351)	
H22	VSS(252)	VSS(352)	
H24	VSS(253)	VSS(353)	
H26	VSS(254)	VSS(354)	
H30	VSS(255)	VSS(355)	
H32	VSS(256)	VSS(356)	
H34	VSS(257)	VSS(357)	
F3	VSS(258)	VSS(358)	

ITL COUGARPOINT_FCBGA_989P

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CRT

CRT BOARD

INVENTEC

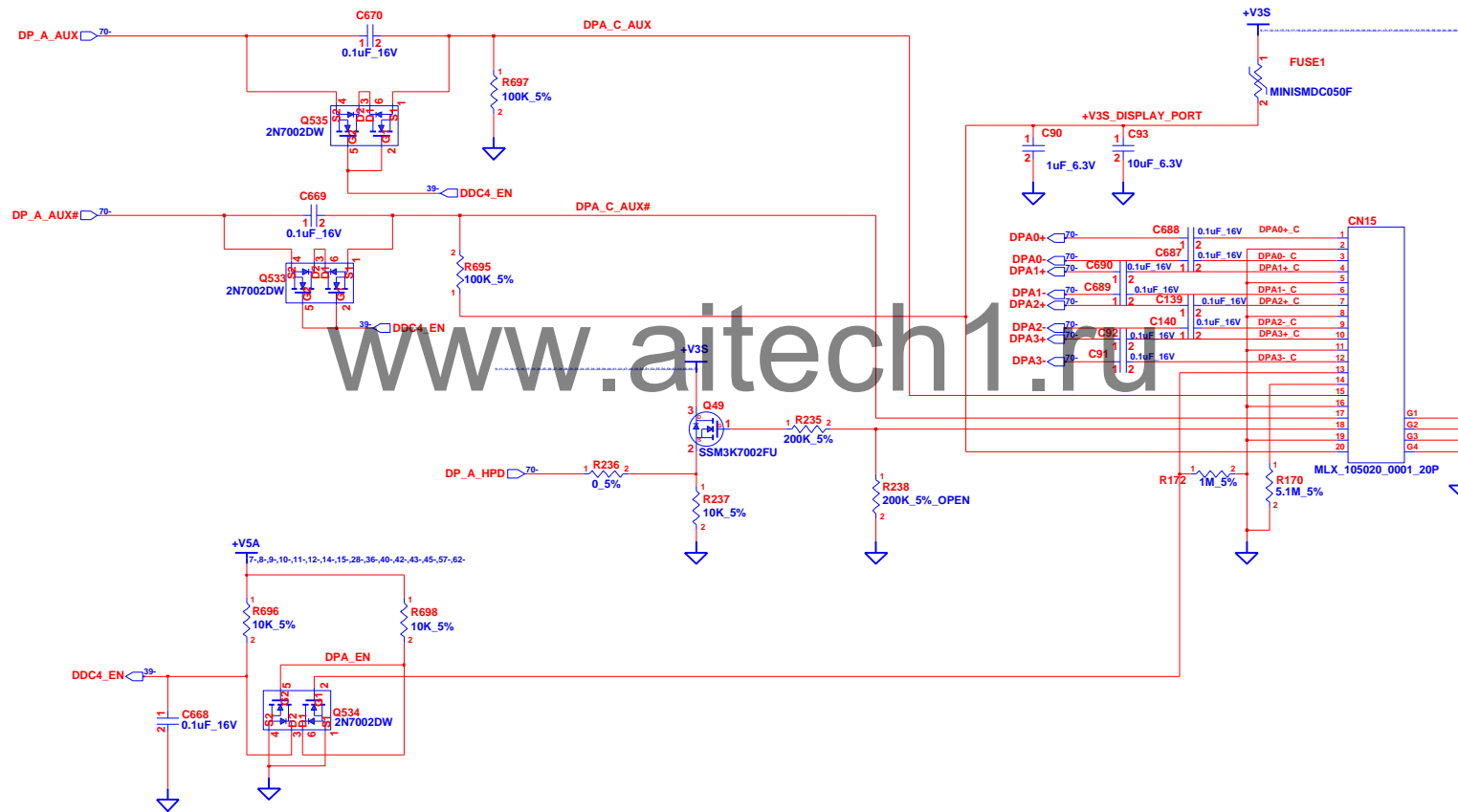
TITLE
AEROSMITH
CRT

SIZE CODE DOC. NUMBER REV
A3 CS 1310AXXXX-0-MTRX01

CHANGE by Evan Shih 21-May-2010

SHEET 38 OF 70

DISPLAY PORT



INVENTEC

TITLE AEROSMITH DISPLAY PORT			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 01
SHEET		39	OF 70

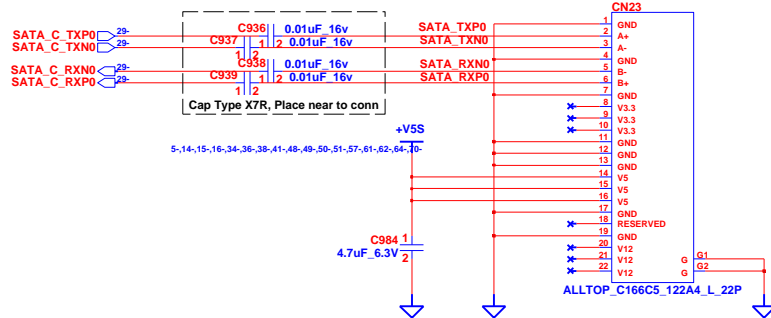
CHANGE by Evan Shih 21-May-2010

F

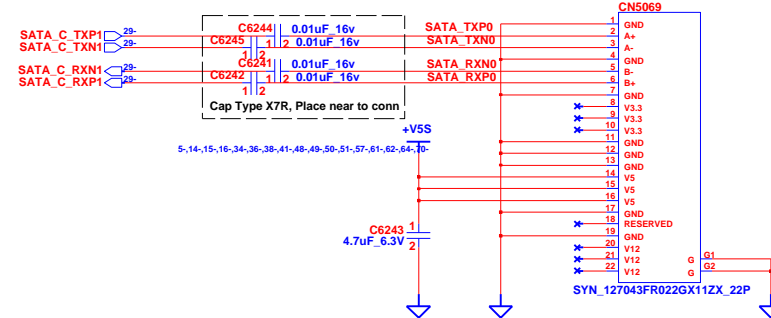


CHANGE by	<i>Evan Shih</i>	<i>21-May-2010</i>
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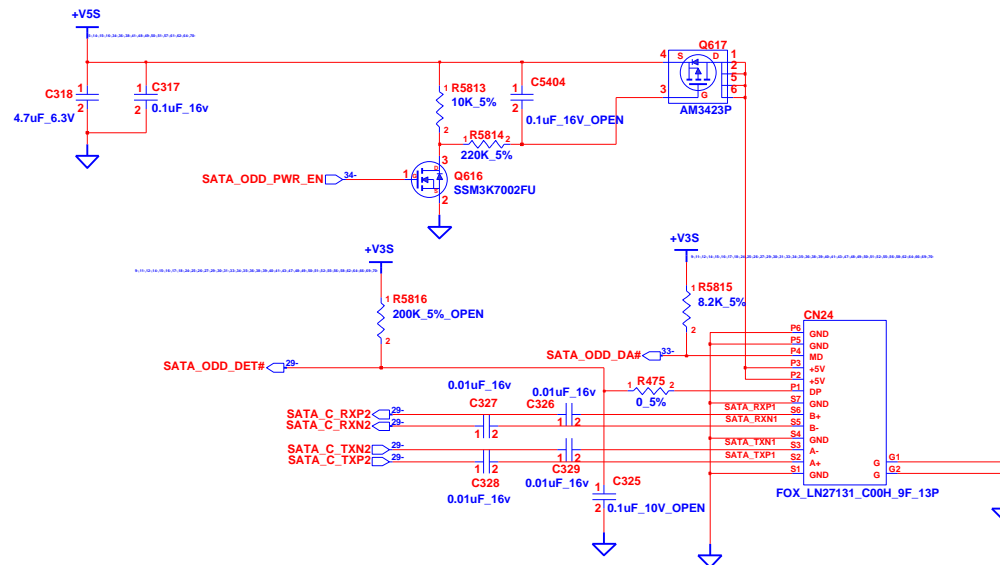
SATA HDD 0



SATA HDD 1



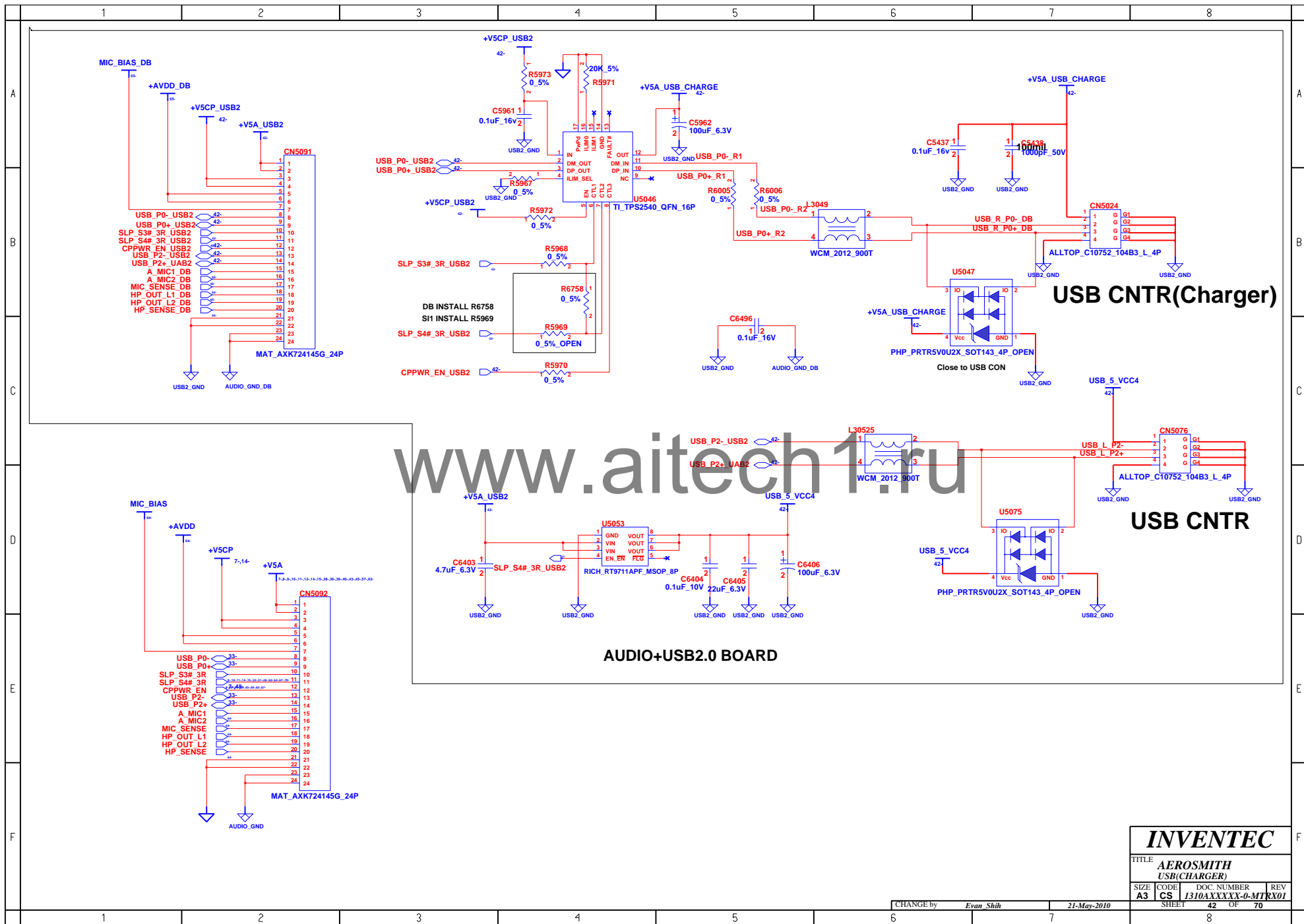
www.aitech1.ru



INVENTEC

TITLE AEROSMITH SATA HDD & ODD			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 1
SHEET 41		OF 70	

CHANGE by Evan Shih 21-May-2010



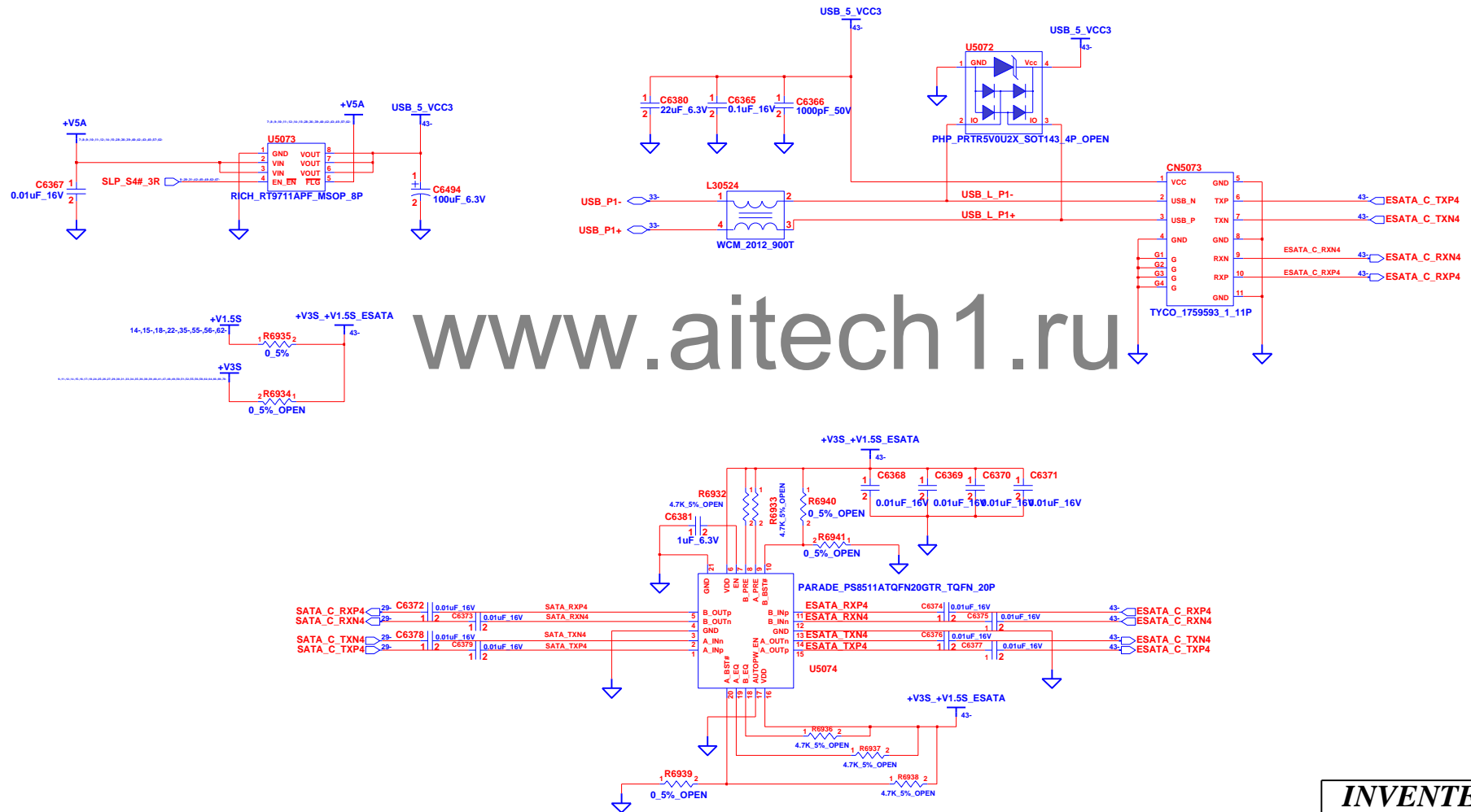
INVENTEC

TITLE
**AEROSMITH
USB(CHARGER)**

SIZE CODE 1310AXXXX-0-MTRX01
SHEET 42 OF 70

CHANGE by Evan Shih 21-May-2010

USB & eSATA Combo



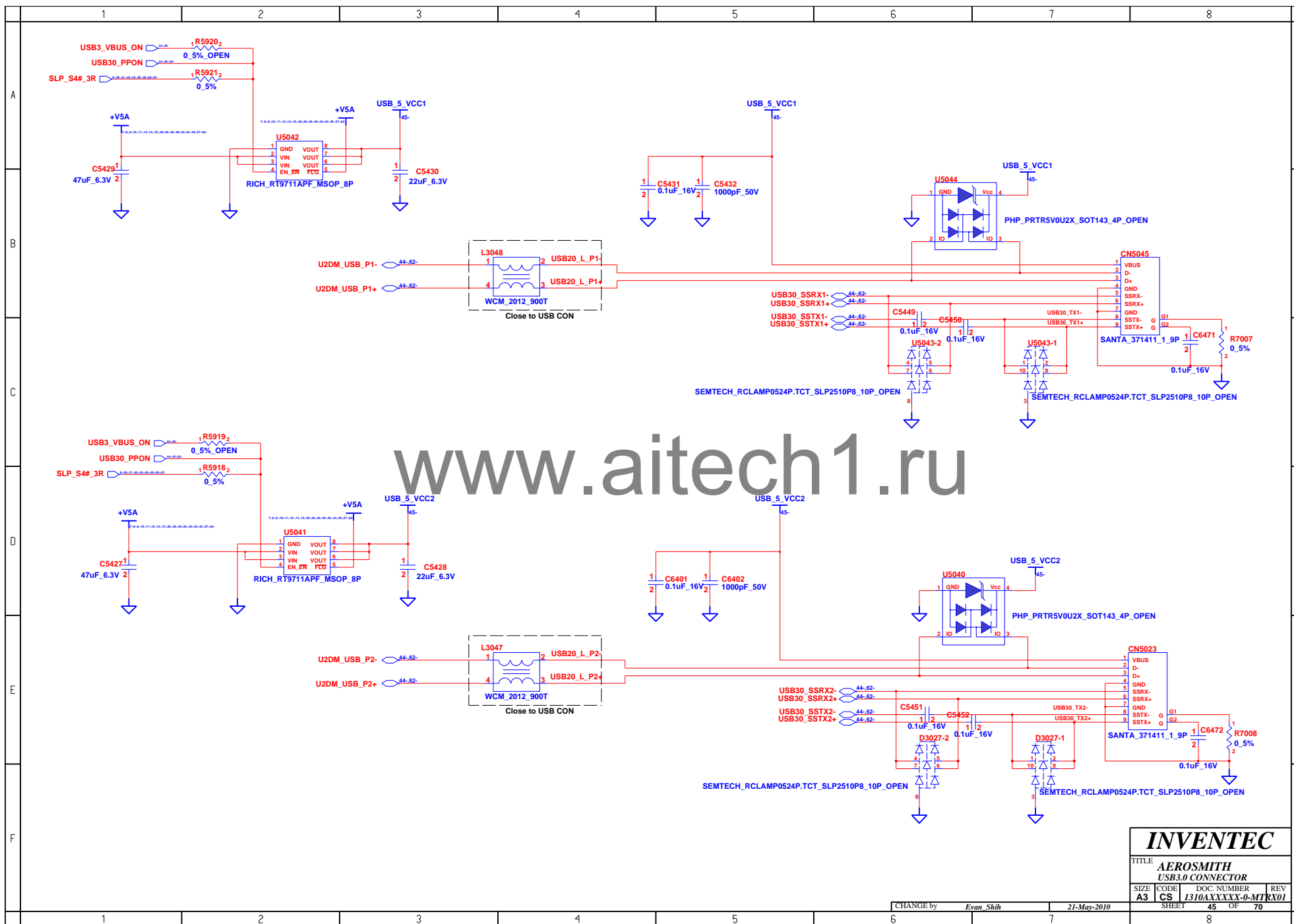
www.aitech1.ru

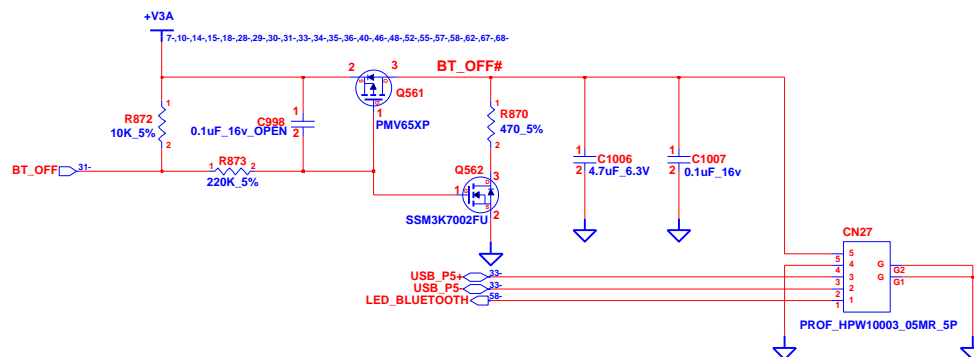
INVENTEC

TITLE AEROSMITH USB & eSATA			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 70

CHANGE by Evan Shih 21-May-2010

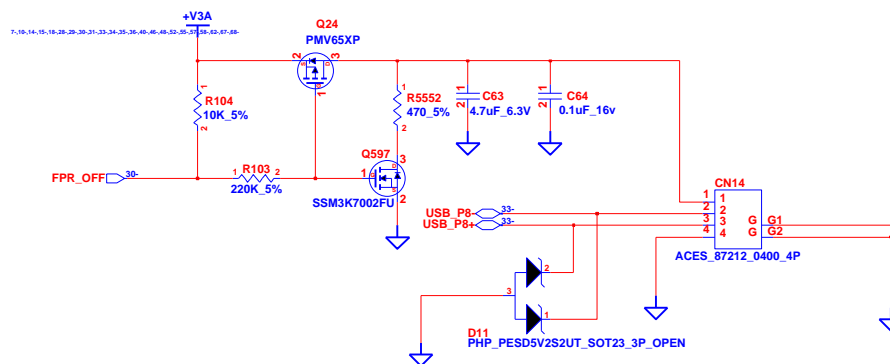
SHEET 43 OF 70





BLUETOOTH

www.aitech1.ru



FINGER PRINTER

INVENTEC

TITLE AEROSMITH BT & FP			
SIZE A3	CODE CS	DOC. NUMBER I310AXXXXX-0-MTN	REV X01
SHEET 46		OF 70	

CHANGE by *Evan Shih* 21-May-2010



ACCELEROMETER

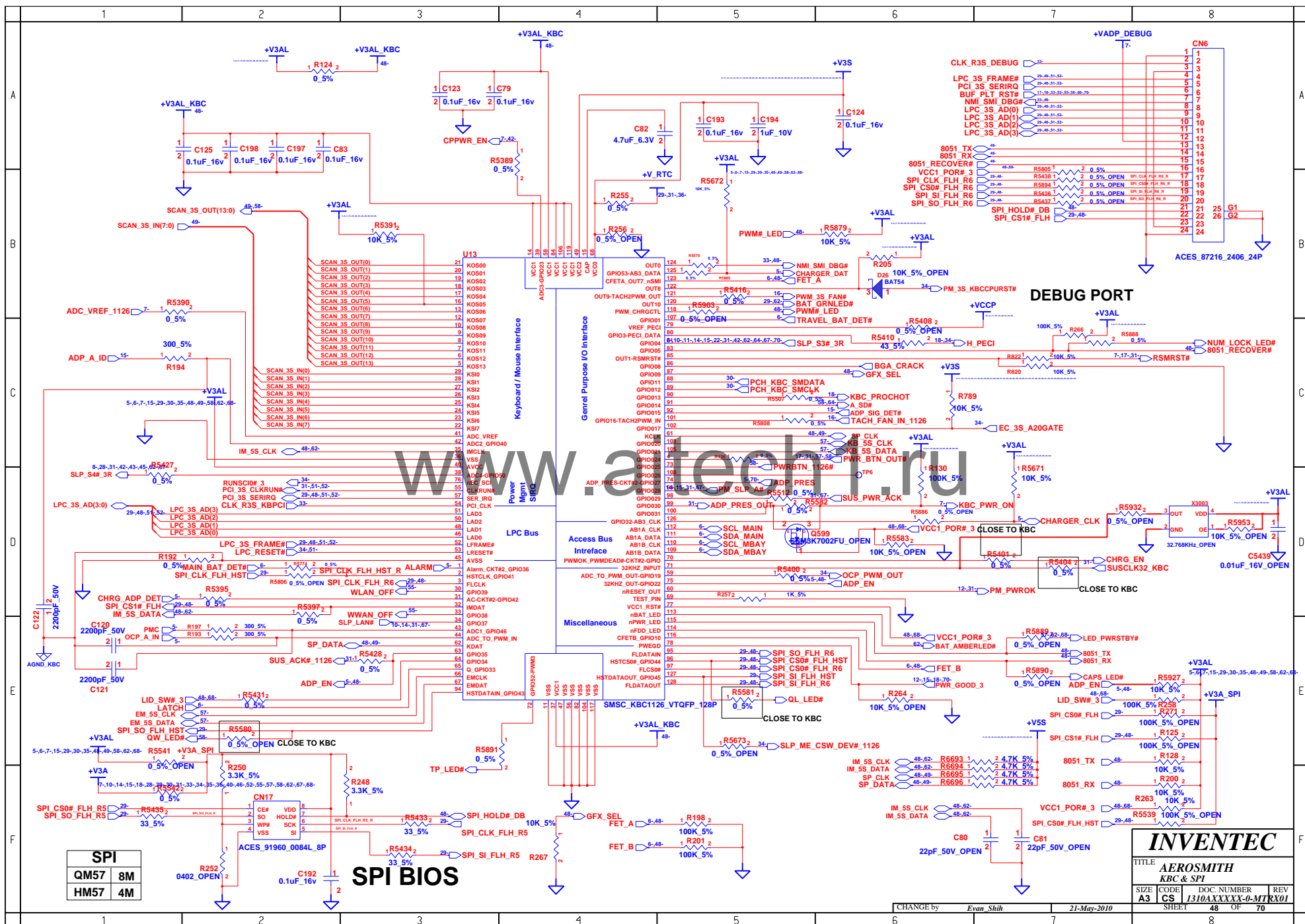
INVENTEC

TITLE	AEROSMITH ACCELEROMETER
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SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV
SHEET		47	OF 70

CHANGE by	<i>Evan Shih</i>	<i>21-May-2010</i>
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8



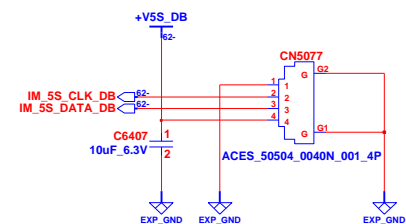
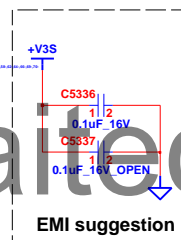
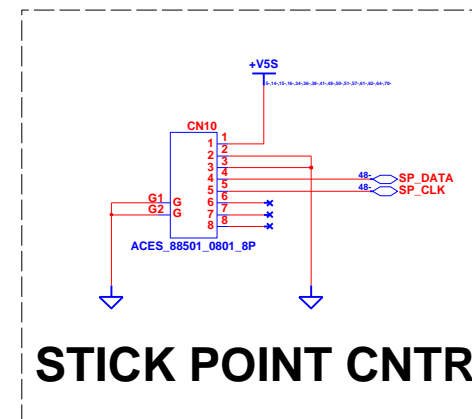


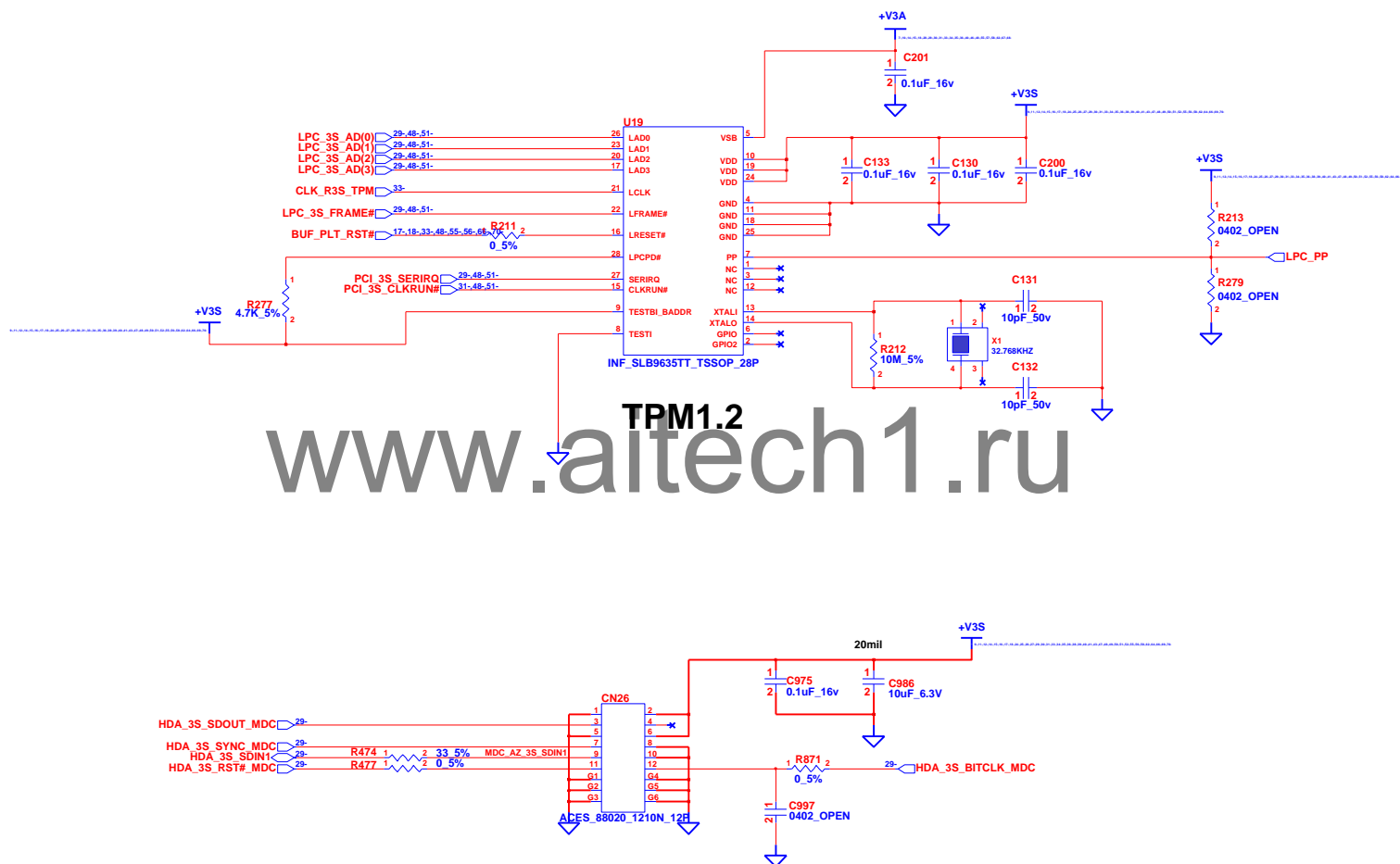
Diagram of the CN5059 component. The component is represented by a square symbol with four pins labeled G1, G2, G3, and G4. G1 and G2 are connected to ground symbols. G3 and G4 are connected to each other and to a common output line.

INVENTEC			
TITLE AEROSMITH KB & TP & STICK POINT			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV
SHEET		49	OF 70

9,11,12,14,15,16,17,18,24,25,26,27,29,30,31,33,34,35,36,38,39,40,41,43,47,48,49,50,51,52,55,56,58,62,64,66,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000,1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1012,1013,1014,1015,1016,1017,1018,1019,1020,1021,1022,1023,1024,1025,1026,1027,1028,1029,1030,1031,1032,1033,1034,1035,1036,1037,1038,1039,1040,1041,1042,1043,1044,1045,1046,1047,1048,1049,1050,1051,1052,1053,1054,1055,1056,1057,1

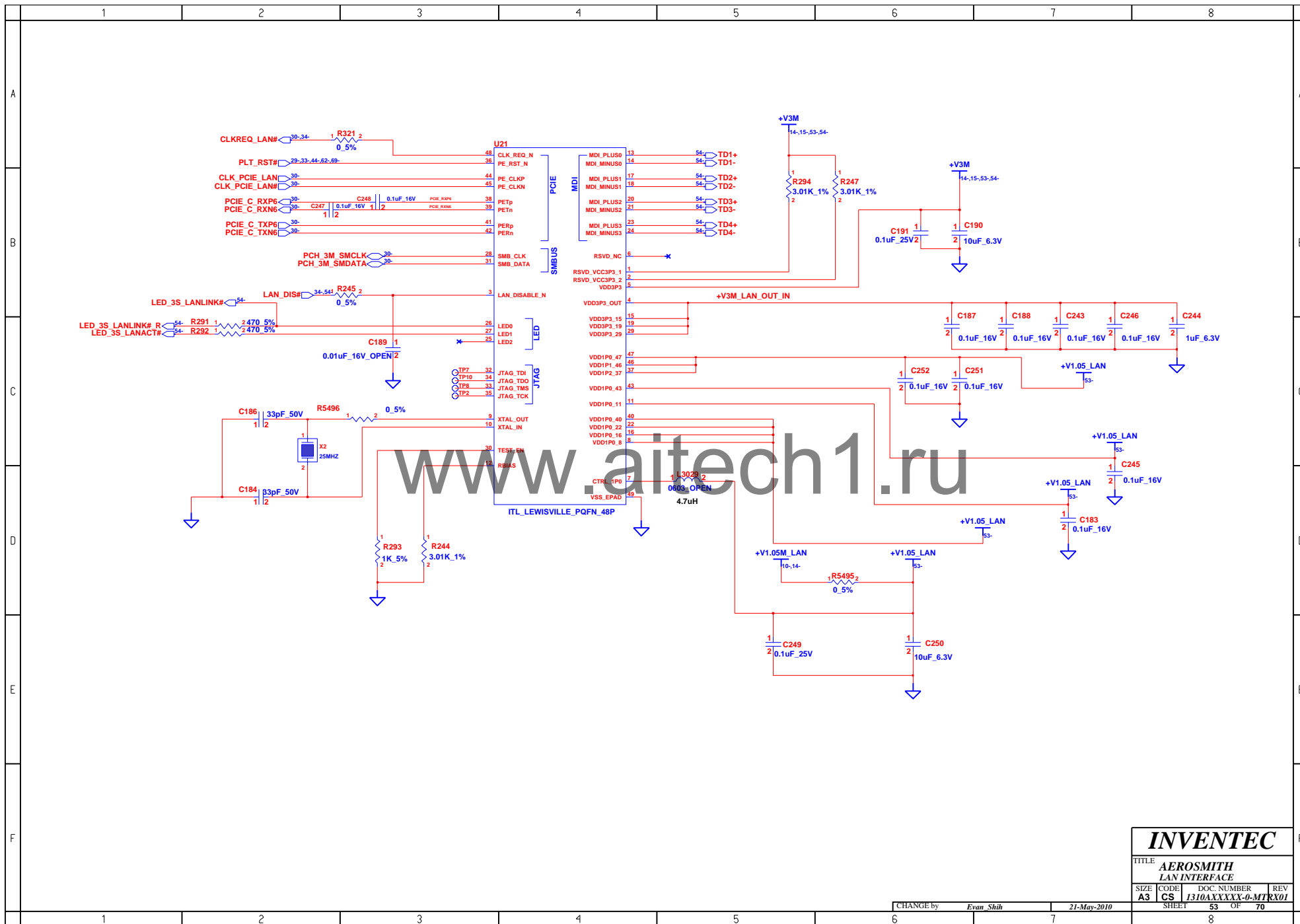


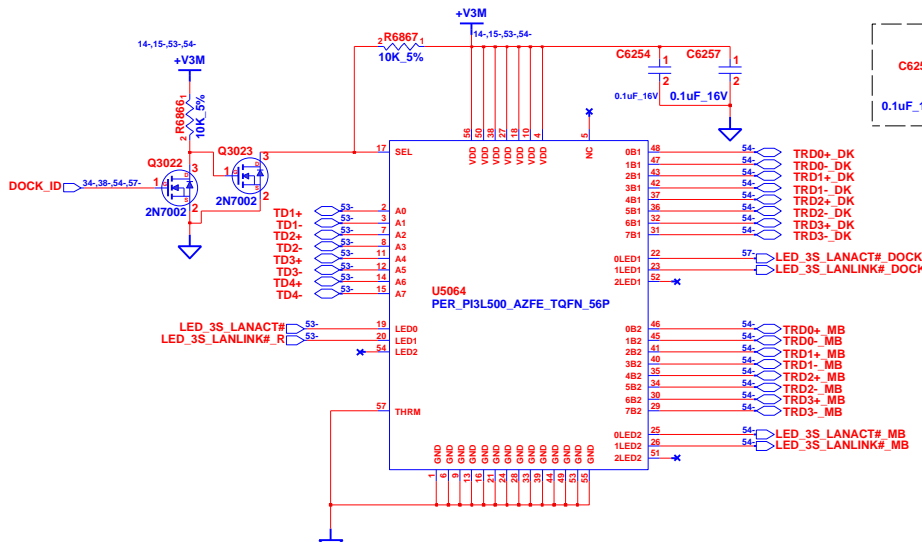
CHANGE by	<i>Evan Shih</i>	<i>21-May-2010</i>
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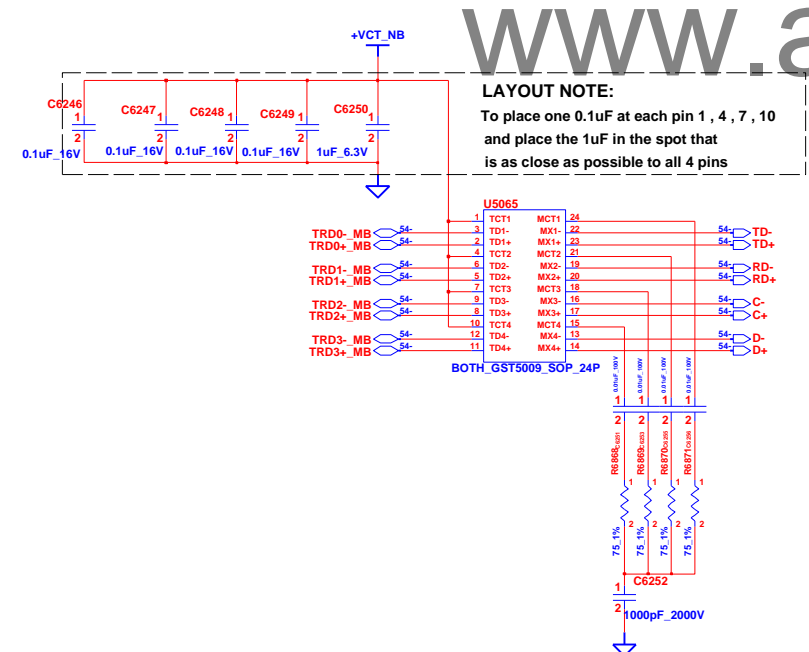
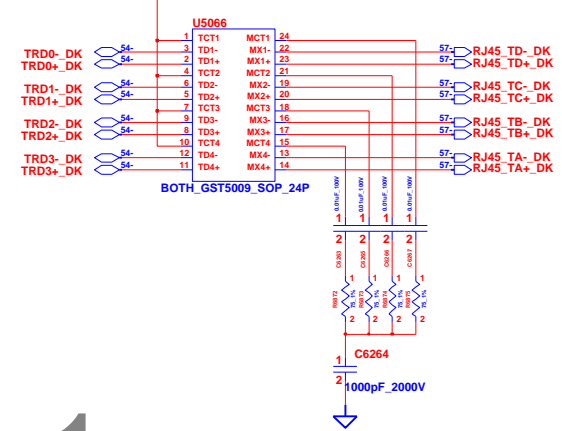
MDC CONN

INVENTEC			
TITLE AEROSMITH TPM & MDC			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 70
CHANGE by Evan Shih		21-May-2010	
SHEET		52	OF 70

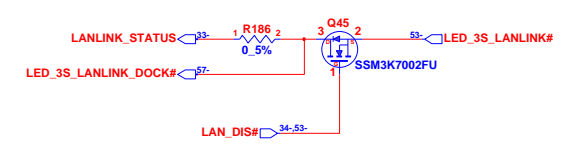
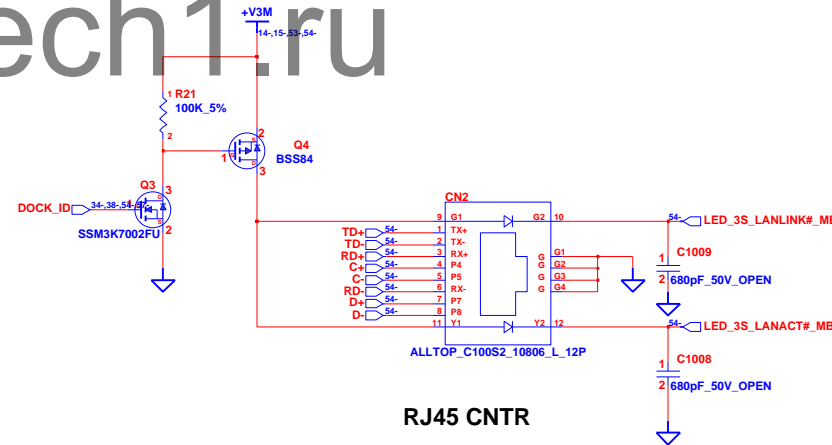




LAYOUT NOTE:
To place one 0.1uF at each pin 1, 4, 7, 10 and place the 1uF in the spot that is as close as possible to all 4 pins

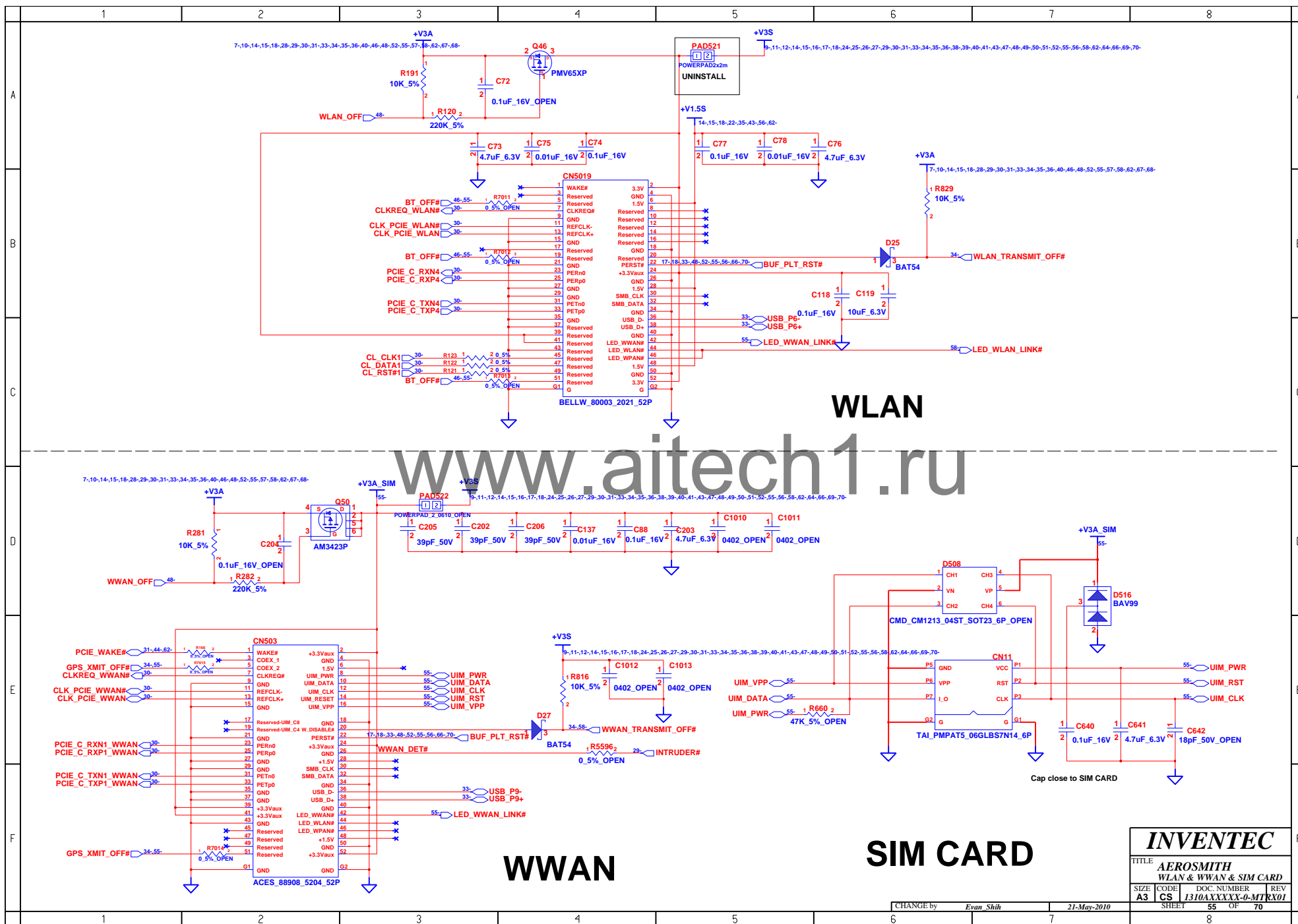


LAYOUT NOTE:
To place one 0.1uF at each pin 1, 4, 7, 10 and place the 1uF in the spot that is as close as possible to all 4 pins

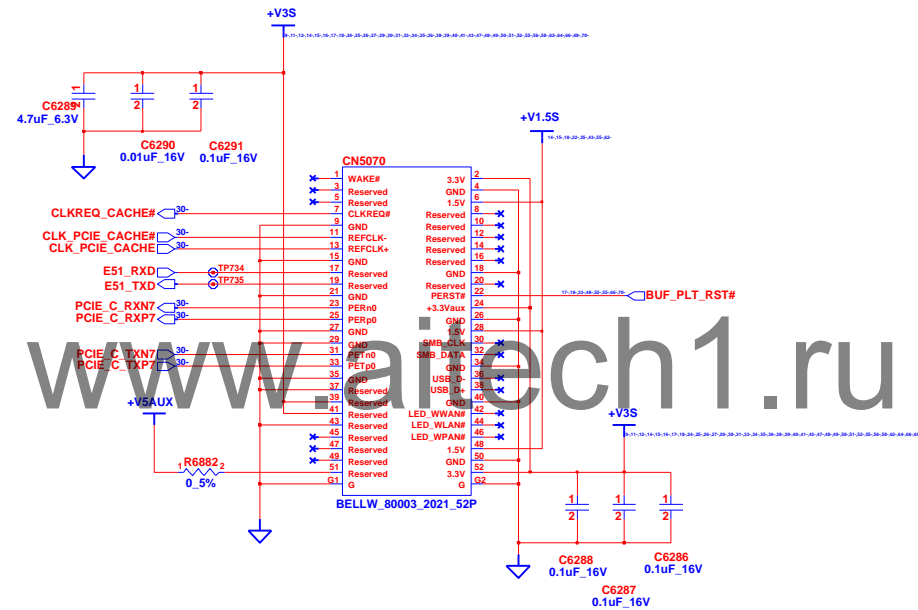


INVENTEC			
TITLE AEROSMITH LAN RJ45 CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 70
SHEET		54	OF

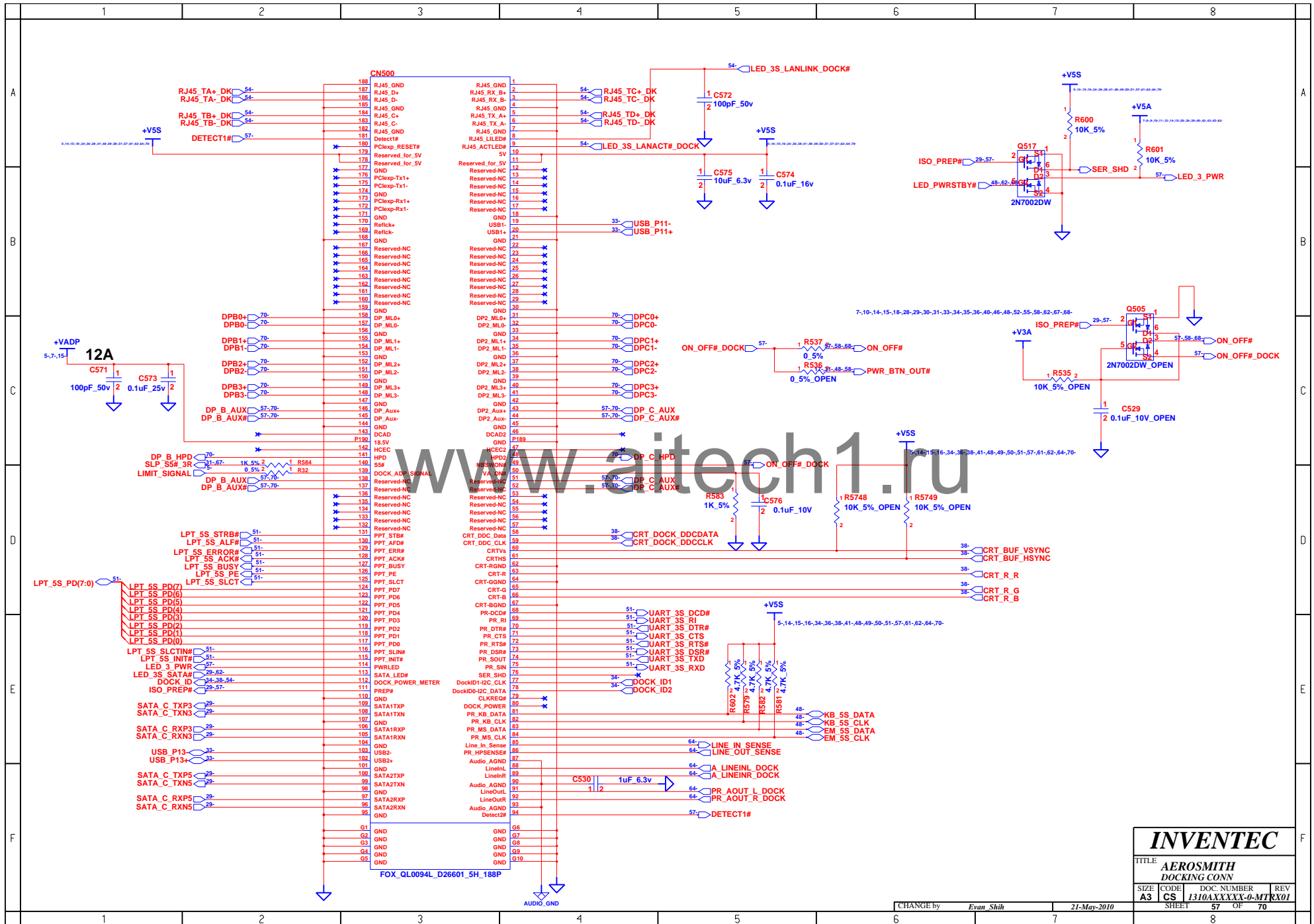
CHANGE by	Evan Shih	21-May-2010
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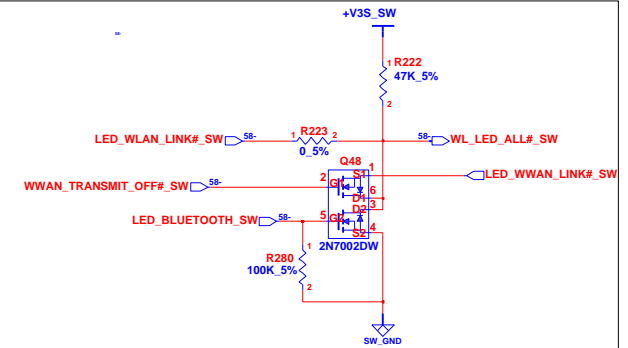
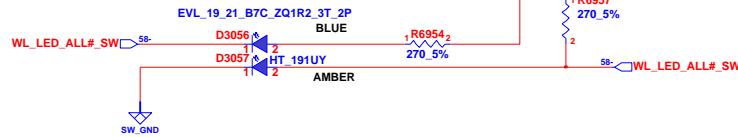
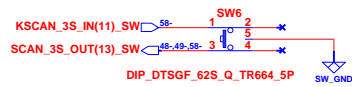
Flash Cache--Mini Card



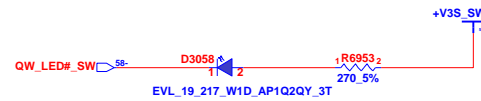
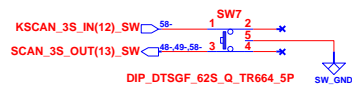
INVENTEC			
TITLE AEROSMITH FLASH CACHE			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 1
CHANGE by Evan Shih		21-May-2010	
SHEET 56		OF 70	



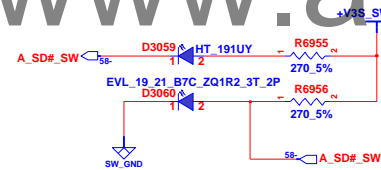
WIRELESS/BLUETOOTH LED



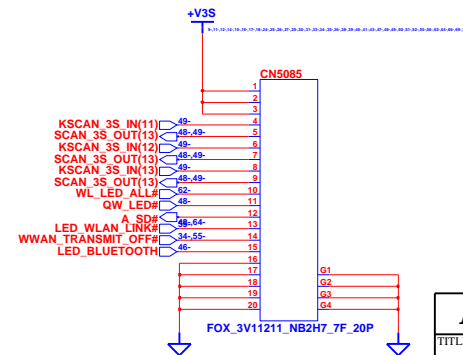
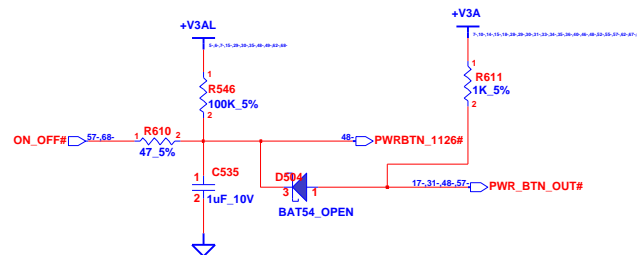
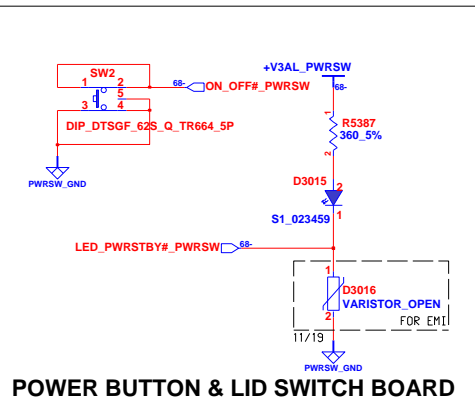
QUICK WEB LED



MUTE LED



SWITCH BOARD



INVENTEC

TITLE
AEROSMITH
SWITCH & LED

SIZE A3 CODE CS DOC. NUMBER 1310AXXXXX-0-MTKX01 REV SHEET 58 OF 70

CHANGE by Evan Shih 21-May-2010

	1	2	3	4	5	6	7	8				
A	SCREW											A
B												B
C												C
D	www.aitech1.ru											D
E												E
F												F
						CHANGE by		Evan Shih		21-May-2010		
						SIZE		CODE		DOC. NUMBER		REV
						A3		CS		1310AXXXXX-0-MTR		X01
						SHEET		59		OF		70
						1		2		3		

INVENTEC			
TITLE AEROSMITH SCREW			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTR	REV X01
CHANGE by Evan Shih		21-May-2010	
SHEET		59	OF 70

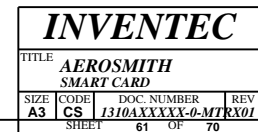
	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

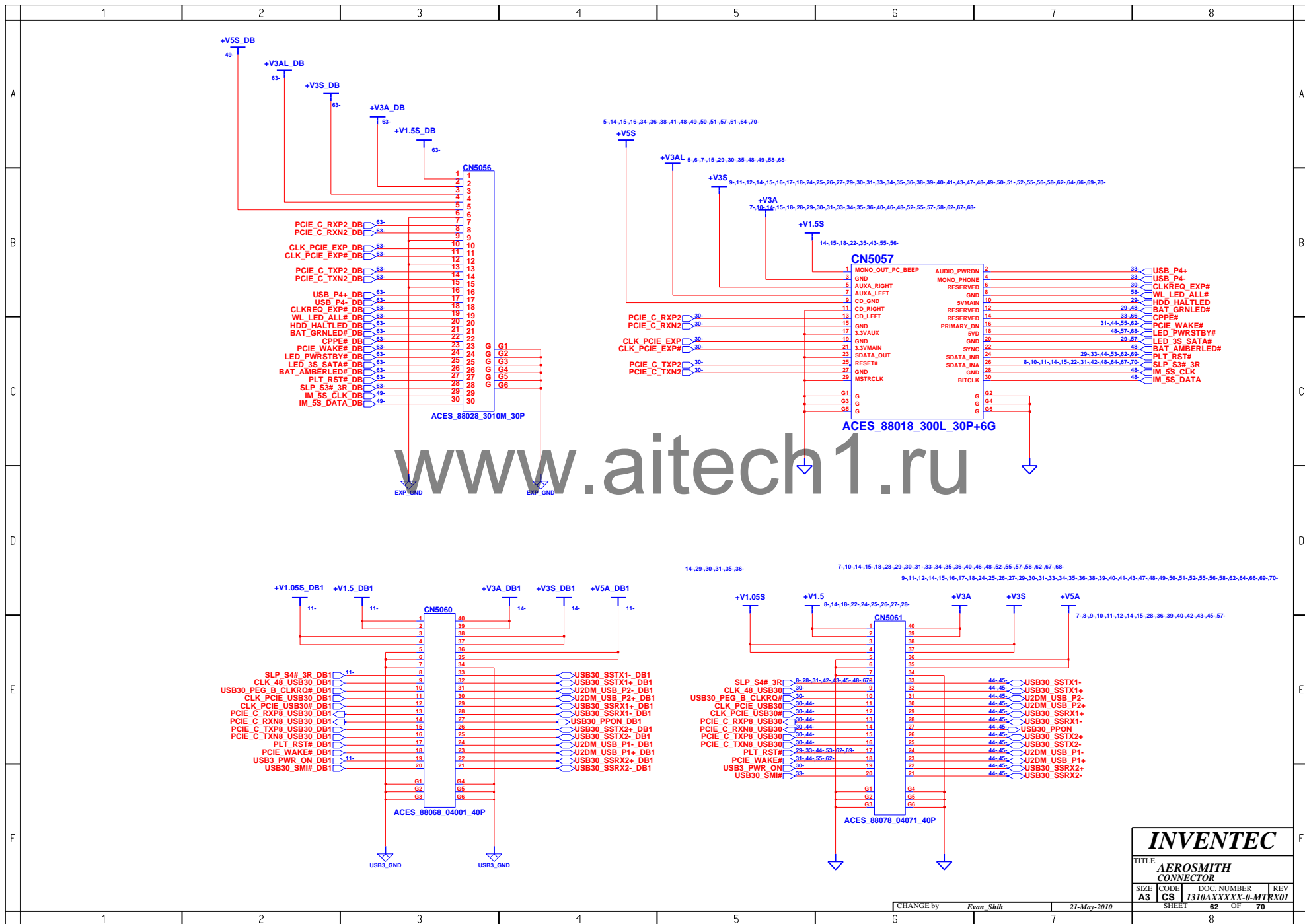
www.aitech1.ru

INVENTEC			
TITLE AEROSMITH			
AUDIO EXPRESS CARD (TP CONN)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AXXXX-0-MTR	XX01
SHEET		60	OF 70

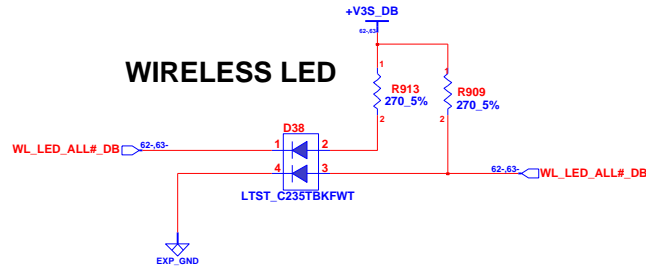
CHANGE by *Evan Shih* 24-May-2010

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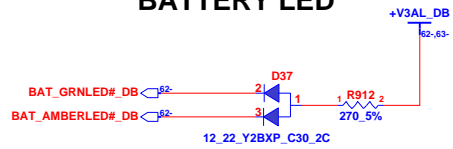




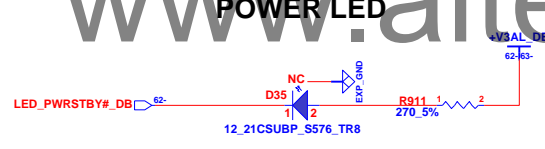
WIRELESS LED



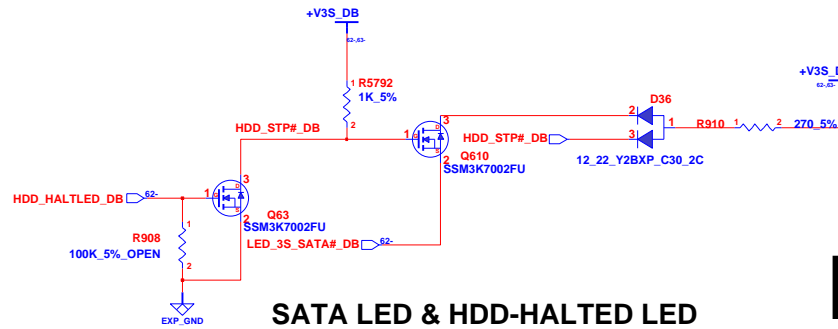
BATTERY LED



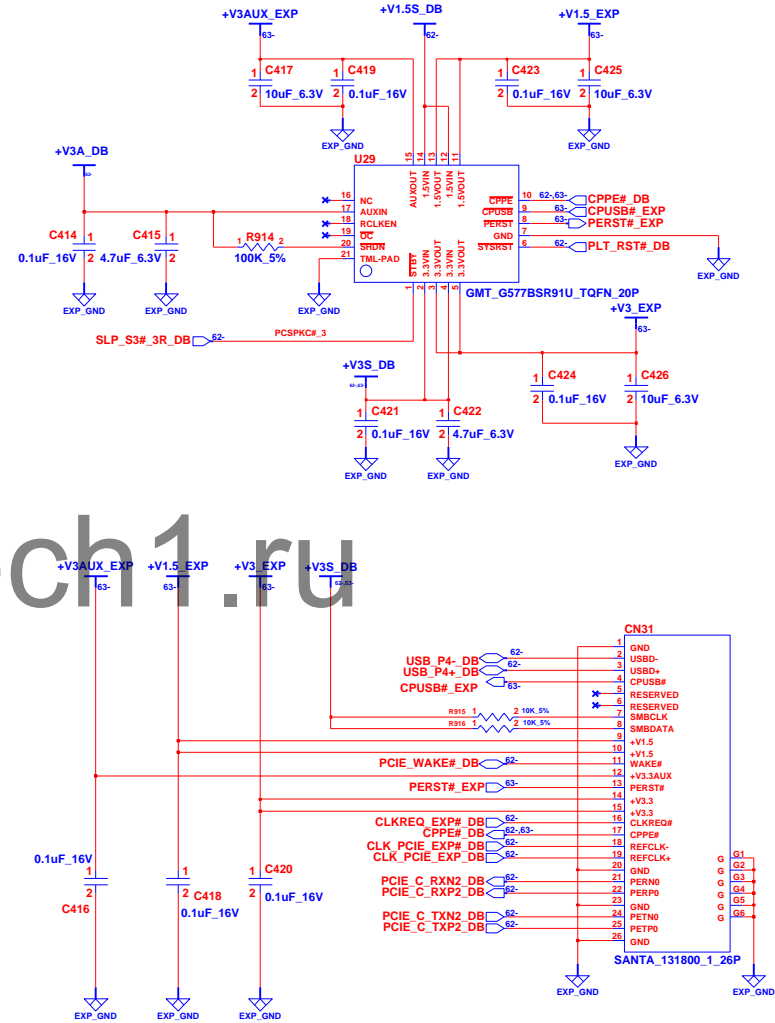
POWER LED



SATA LED & HDD-HALTED LED



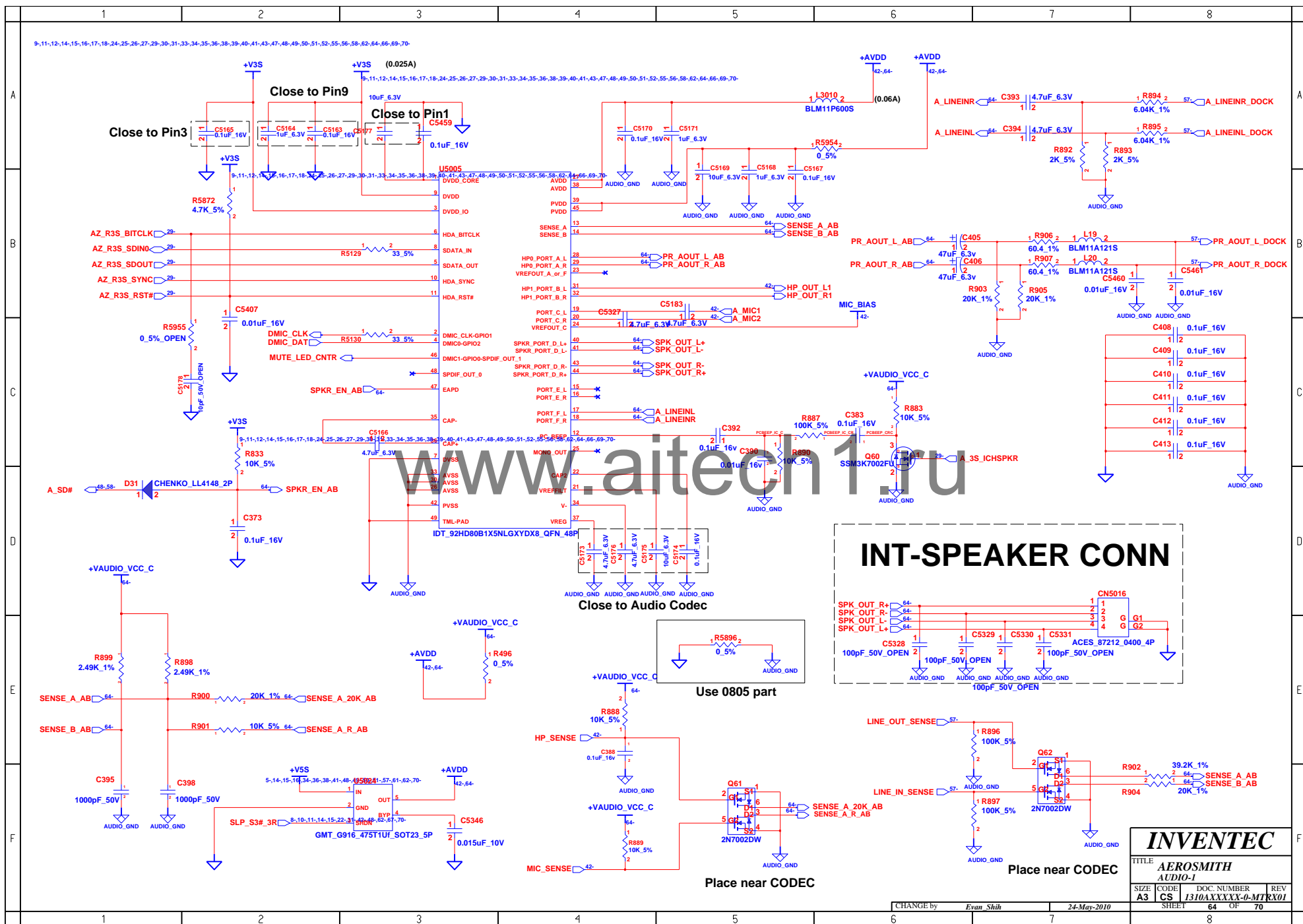
EXPRESS CARD



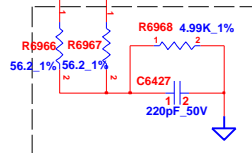
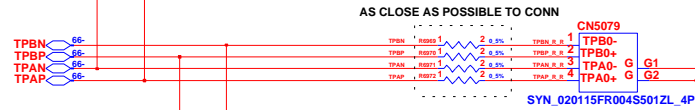
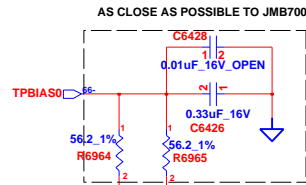
INVENTEC

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SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 70
SHEET 63		OF 70	

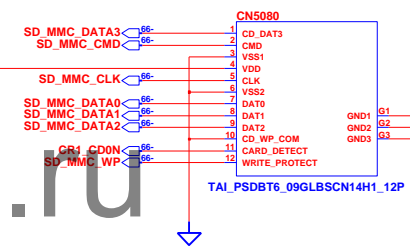
CHANGE by Evan Shih 24-May-2010



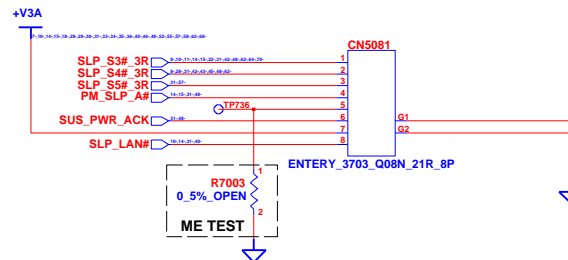
1394 CNTR



+VCC_READER

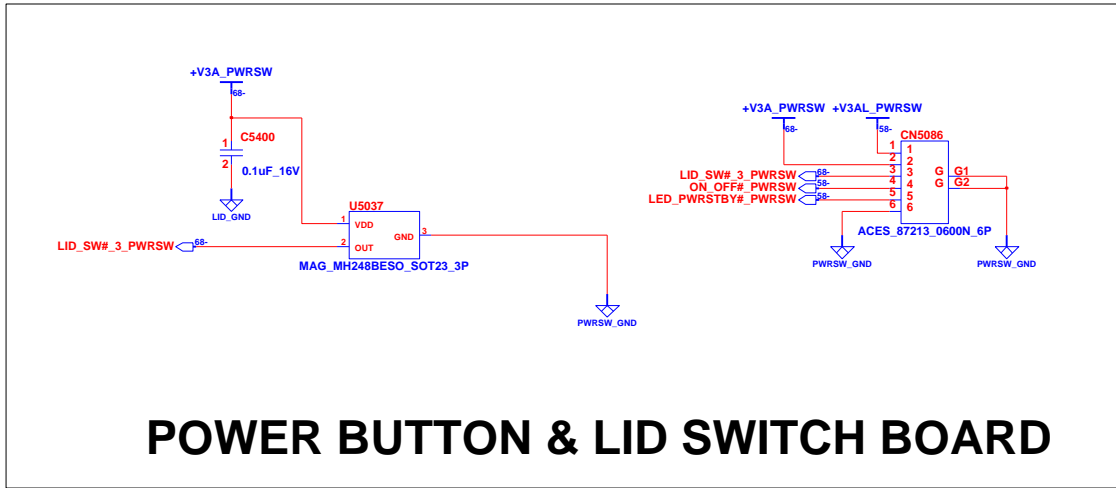


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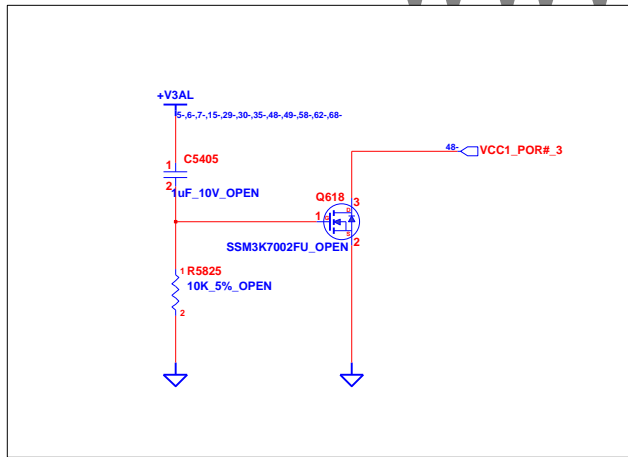
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SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 70
SHEET		67	OF

CHANGE by Evan Shih 21-May-2010

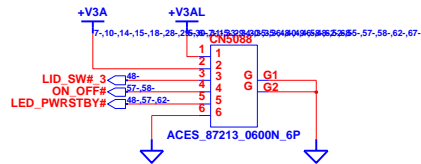


POWER BUTTON & LID SWITCH BOARD

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CLOSE TO KBC



INVENTEC

TITLE
**AEROSMITH
HALL SENSOR**

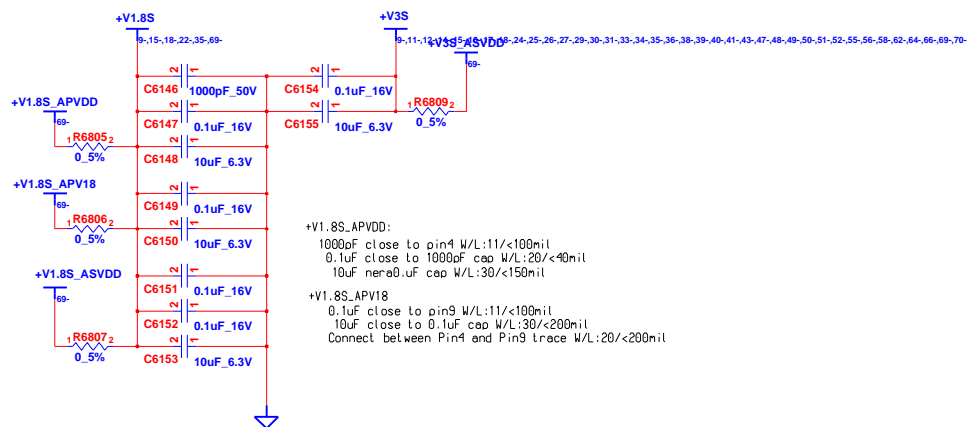
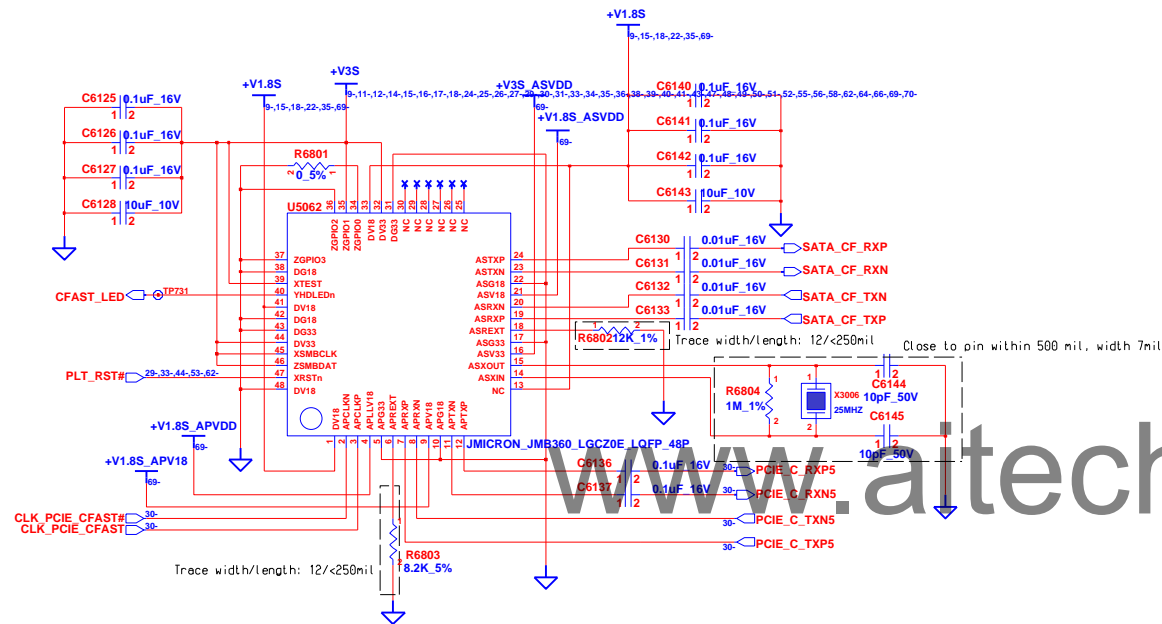
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 01
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CHANGE by *Evan Shih* 21-May-2010

SHEET 68 OF 70

PCIE to SATA Controller

CFAST Connector



+V1.8S_ASVD:
1000pF close to pin4 W/L:11/<100mil
0.1uF close to 1000pF cap W/L:20/<40mil
10uF near 0.1uF cap W/L:30/<150mil

+V1.8S_APV18:
0.1uF close to pin9 W/L:11/<100mil
10uF close to 0.1uF cap W/L:30/<200mil
Connect between Pin4 and Pin9 trace W/L:20/<200mil

INVENTEC			
TITLE AEROSMITH CFAST			
SIZE A3	CODE CS	DOC. NUMBER 1310AXXXX-0-MTRX01	REV 70
SHEET 69 OF 70			

CHANGE by Evan Shih 21-May-2010

