

SCHEMATIC DIAGRAMS

PRODUCT NAME Lemont10/10G (VP1)

UNIT NAME FLESY3

PWA NAME _____

PWB NAME _____

UNIT NO. A5A002670***

PWA NO. _____

PWB NO. _____

PAGE	SH.	FUNCTION	REV	PAGE	SH.	FUNCTION	REV	PAGE	SH.	FUNCTION	REV	PAGE	SH.	FUNCTION	REV
1	---	COVER SHEET	00	26	165	Ibex Peak-M (6)	00	51	320	EC/KBC (1)	00	76	463	FL*JK I/F (USB, AUDIO)	00
2	---	COVER SHEET	00	27	166	Ibex Peak-M (7)	00	52	321	EC/KBC (2)	00	77	465	USB CHARGER	00
3	---	REV. SHEET	00	28	167	Ibex Peak-M (8)	00	53	322	EC/KBC (3)	00	78	500	GPU (1/15) HOST	00
4	---	BLOCK DIAGRAM	00	29	168	Ibex Peak-M (9)	00	54	323	GPIO Expander	00	79	501	GPU (2/15) FBA	00
5	---	NOTES	00	30	169	Ibex Peak-M (10)	00	55	324	FLETB*/TP*/LE* I/F	00	80	502	GPU (3/15) FBC	00
6	100	CK505 32pin	00	31	170	Ibex Peak-M (11)	00	56	325	Drive LED	00	81	503	GPU (4/15) MISC	00
7	101	SRC BUFFER	00	32	171	Ibex Peak-M (12)	00	57	326	KILL-SW, LED-REC/WIRELESS	00	82	504	GPU (5/15) MIOx	00
8	105	rPGA989 (1)	00	33	172	Ibex Peak-M (13)	00	58	327	Ir-Receiver	00	83	505	GPU (6/15) DAC	00
9	106	rPGA989 (2)	00	34	173	Ibex Peak-M (14)	00	59	328	IR Cont.1/2	00	84	506	GPU (7/15) IFPA/B	00
10	107	rPGA989 (3)	00	35	174	Ibex Peak-M (15)	00	60	329	IR Cont.2/2	00	85	507	GPU (8/15) IFPC/D	00
11	108	rPGA989 (4)	00	36	175	IMVP-6.5 POWER OK	00	61	330	TPM (Not Ready)	00	86	508	GPU (9/15) TMDS E/F	00
12	109	rPGA989 (5)	00	37	176	ITP-XDP 60pin	00	62	331	KB I/F	00	87	509	GPU (10/15) PLL1	00
13	110	rPGA989 (6)	00	38	190	SATA 0 I/F (1st HDD)	00	63	335	ACCELEROMETER (FRONT)	00	88	510	GPU (11/15) PLL2	00
14	111	rPGA989 (7)	00	39	191	SATA 1 I/F (ODD)	00	64	336	AMP for AXIS	00	89	511	GPU (12/15) PS1	00
15	112	rPGA989 (8)	00	40	193	SATA 5 I/F (eSATA)	00	65	338	[PS] FANVCC (0)	00	90	512	GPU (13/15) PS2	00
16	113	rPGA989 (9)	00	41	198	SATA REPEATER	00	66	339	FLNFW* I/F	00	91	513	GPU (14/15) GND	00
17	115	THERMAL SENSOR	00	42	200	CARD CONT	00	67	349	LPC DEBUG I/F	00	92	514	GPU (15/15) GND	00
18	116	ITP-XDP 60pin	00	43	210	MEDIA BRIDGE I/F	00	68	350	HDMI CEC	00	93	515	GPU STRAP	00
19	144	DDR3 SO-DIMM A	00	44	244	BCAS I/F	00	69	400	LAN CONTROLLER	00	94	516	GPU THERMAL	00
20	146	DDR3 SO-DIMM B	00	45	259	WLAN / WiMAX Power	00	70	401	LAN EEPROM	00	95	520	SDRAM (1/8)	00
21	160	Ibex Peak-M (1)	00	46	260	MiniCard#1 (WLAN/WiMAX)	00	71	403	LAN I/F	00	96	521	SDRAM (2/8)	00
22	161	Ibex Peak-M (2)	00	47	261	MiniCard#2 (3G/ISDB-T)	00	72	444	Bluetooth2 I/F	00	97	522	SDRAM (3/8)	00
23	162	Ibex Peak-M (3)	00	48	262	SIM CARD I/F	00	73	460	USB POWER (1)	00	98	523	SDRAM (4/8)	00
24	163	Ibex Peak-M (4)	00	49	270	MiniCard#3 (WUSB/JET)	00	74	461	USB I/F (1)	00	99	524	SDRAM (5/8)	00
25	164	Ibex Peak-M (5)	00	50	300	FLASH ROM	00	75	462	USB POWER (2)	00	100	525	SDRAM (6/8)	00

APPROVED BY	CHECKED BY	DESIGNED BY	TITLE	TOTAL	PAGE NO.	REV. MARK	DRAWING. NO.
[PC設] (PC設2) S. Sato	[PC設] (PC設2) A. Sakai	[PC設] (PC設2) K. Senuma	FLESY3	180	001	00	360069893

SCHEMATIC DIAGRAMS

PRODUCT NAME

UNIT NAME

UNIT NO.

PWA NAME

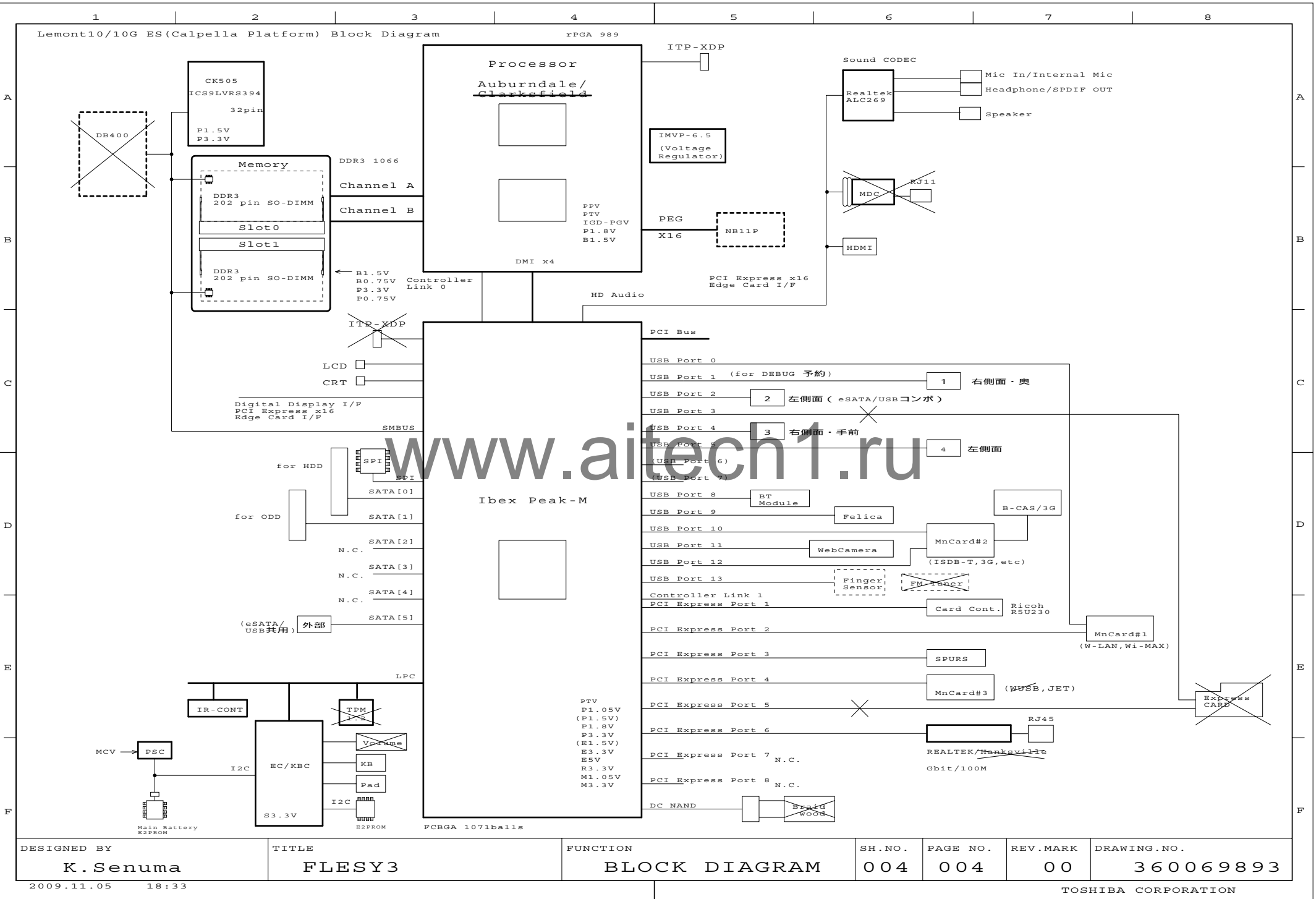
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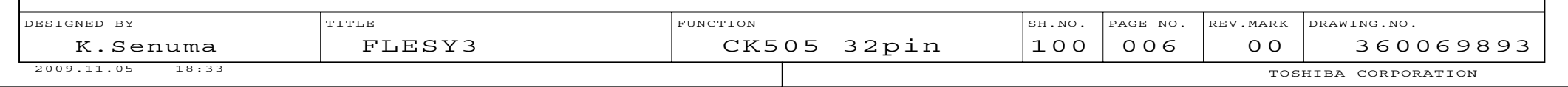
PWB NAME

PWB NO.

PAGE	SH.	FUNCTION	REV	PAGE	SH.	FUNCTION	REV	PAGE	SH.	FUNCTION	REV	PAGE	SH.	FUNCTION	REV
101	526	SDRAM (7/8)	00	126	653	SPURS (3)	00	151	807	[PS] CURRENT AMP	00	176	951	RGB Unit I/F	00
102	527	SDRAM (8/8)	00	127	654	SPURS (4)	00	152	808	[PS] CHARGE	00	177	955	Web Camera I/F	00
103	528	FBA command	00	128	657	SPURS (5)	00	153	809	[PS] S5V/S3V	00	178	957	FELICA I/F	00
104	529	FBC command	00	129	652	SPURS (6)	00	154	810	[PS] Analog Input	00	179	965	Touch Sensor I/F	00
105	530	LCD PS	00	130	663	SPURS (7)	00	155	811	[PS] PSC (1)	00	180	990	Accessory Parts	00
106	532	LVDS A	00	131	667	BOOT CONFIG/THERMAL_RST	00	156	812	[PS] PSC (2)	00	181			
107	533	LVDS B	00	132	672	XDR DRAM (1)	00	157	813	[PS] CPUVCC	00	182			
108	539	LCD I/F	00	133	673	XDR TERM	00	158	815	[PS] 1R8-P1V	00	183			
109	540	CRT RGB	00	134	676	XDR VREF	00	159	818	[PS] LOAD SW2	00	184			
110	542	CRT H/VSync	00	135	697	XCG	00	160	819	[PS] PTV	00	185			
111	550	HDMI Level Shift	00	136	700	XCG TERMINATION	00	161	820	[PS] 1R5-B1V, 0R75-POV	00	186			
112	551	Discrete Level Shifter	00	137	720	LEVEL SHIFT	00	162	821	[PS] 1R05-P1V	00	187			
113	552	HDMI Redriver	00	138	730	Thermal Sensor	00	163	822	[PS] RTCVCC	00	188			
114	554	HDMI Jumper	00	139	731	TMP89	00	164	830	[PS] PGV	00	189			
115	559	HDMI I/F	00	140	732	Group2 P-ON	00	165	832	[PS] IGD-PGV	00	190			
116	568	DP Repeater	00	141	740	Reduce S3 Power	00	166	833	[PS] 1R5-PGV	00	191			
117	569	DisplayPort CN	00	142	750	EMI CAPs (16V 100nF)	00	167	834	[PS] LOAD SW3	00	192			
118	603	ALC272	00	143	751	EMI CAPs (25V 100nF)	00	168	841	[PS] LAN-PS	00	193			
119	615	AN12947AA (1)	00	144	752	EMI (3)	00	169	846	[PS] SPPPv	00	194			
120	616	AN12947AA (2)	00	145	800	[PS] DC-IN	00	170	848	[PS] SP2.5V (tmp)	00	195			
121	620	BEEP	00	146	801	[PS] PVT-SW	00	171	849	[PS] SP1.2V (tmp)	00	196			
122	645	ANALOG POWER	00	147	802	[PS] 1st Battery	00	172	850	[PS] SP LOAD SW	00	197			
123	648	Pass-con	00	148	804	[PS] E5V/E3V	00	173	851	[PS] SP1R0*-P1V	00	198			
124	651	SPURS (1)	00	149	805	[PS] LOAD SW1	00	174	852	[PS] SP1R8-P1V	00	199			
125	652	SPURS (2)	00	150	806	[PS] E10V	00	175	901	EC TEST PAD	00	200			

APPROVED BY	CHECKED BY	DESIGNED BY [PC設] (PC設2) K.Senuma	TITLE FLESY3	TOTAL	PAGE NO. 002	REV.MARK 00	DRAWING.NO. 360069893
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1

2

3

4

5

6

7

8

A

A

FLESY3 VP1
IC1010 , Differential Buffer 削除。
■ 2009/10/17

B

B

BLANK

C

C

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D

D

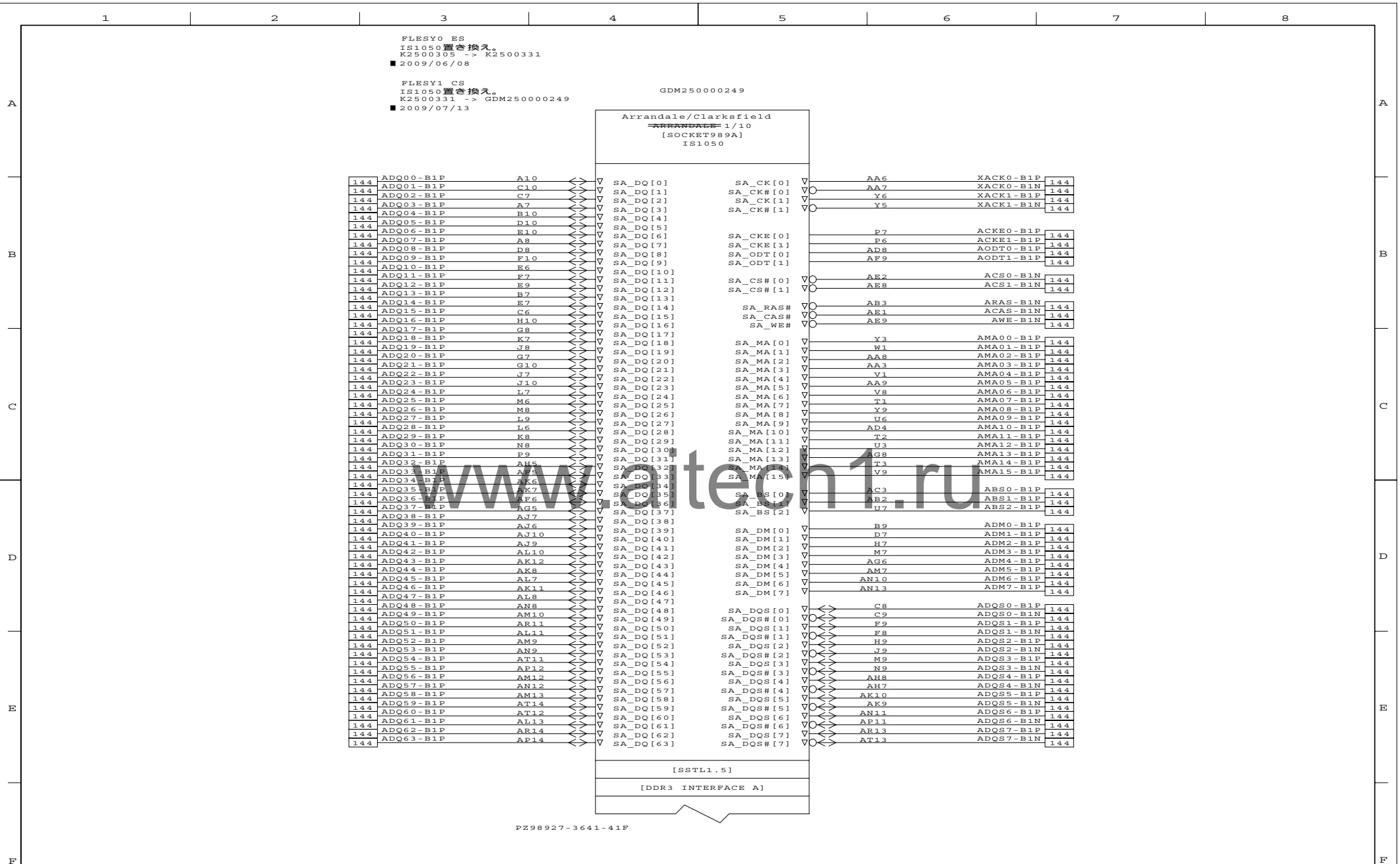
E

E

F

F

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Senuma	FLESY3	SRC BUFFER	101	007	00	360069893



DESIGNED BY

K. Senuma

TITLE

FLESY3

FUNCTION

rPGA989 (1)

SH.NO.

105

PAGE NO.

008

REV.MARK

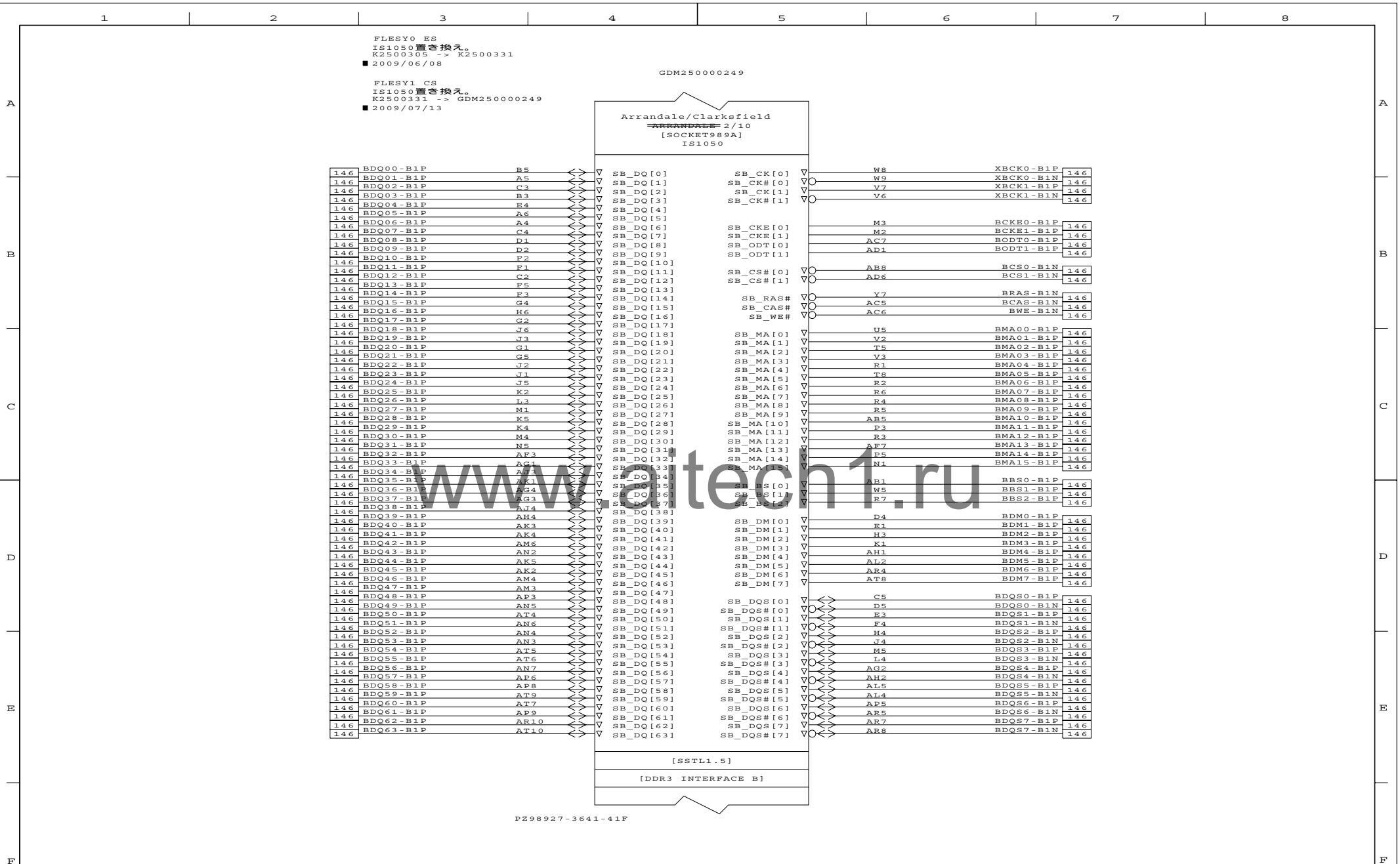
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DRAWING.NO.

360069893

2009.11.05 18:33

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DESIGNED BY

K. Senuma

TITLE

FLESY3

FUNCTION

rPGA989 (2)

SH.NO.

106

PAGE NO.

009

REV.MARK

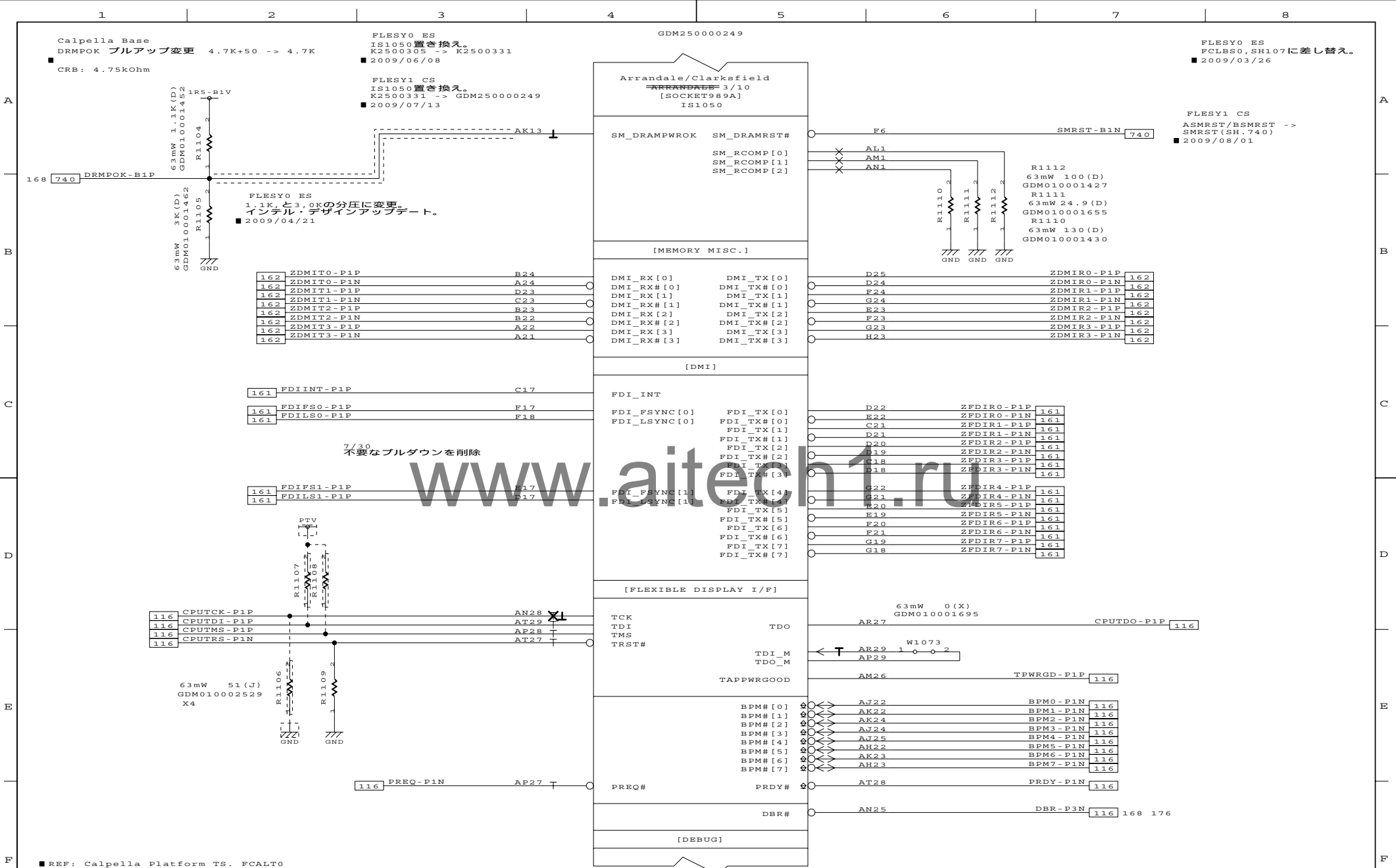
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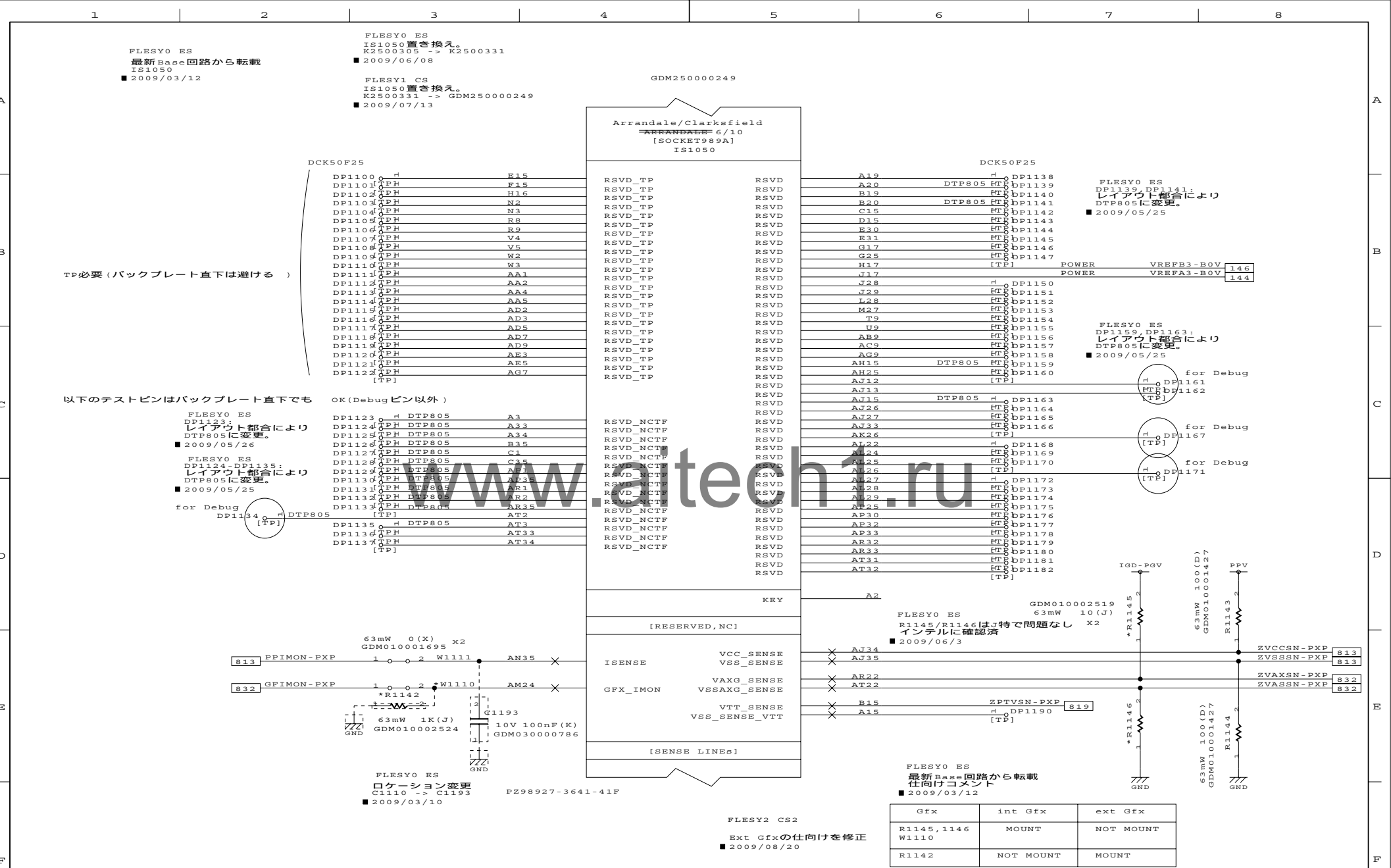
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360069893

2009.11.05 18:33

TOSHIBA CORPORATION

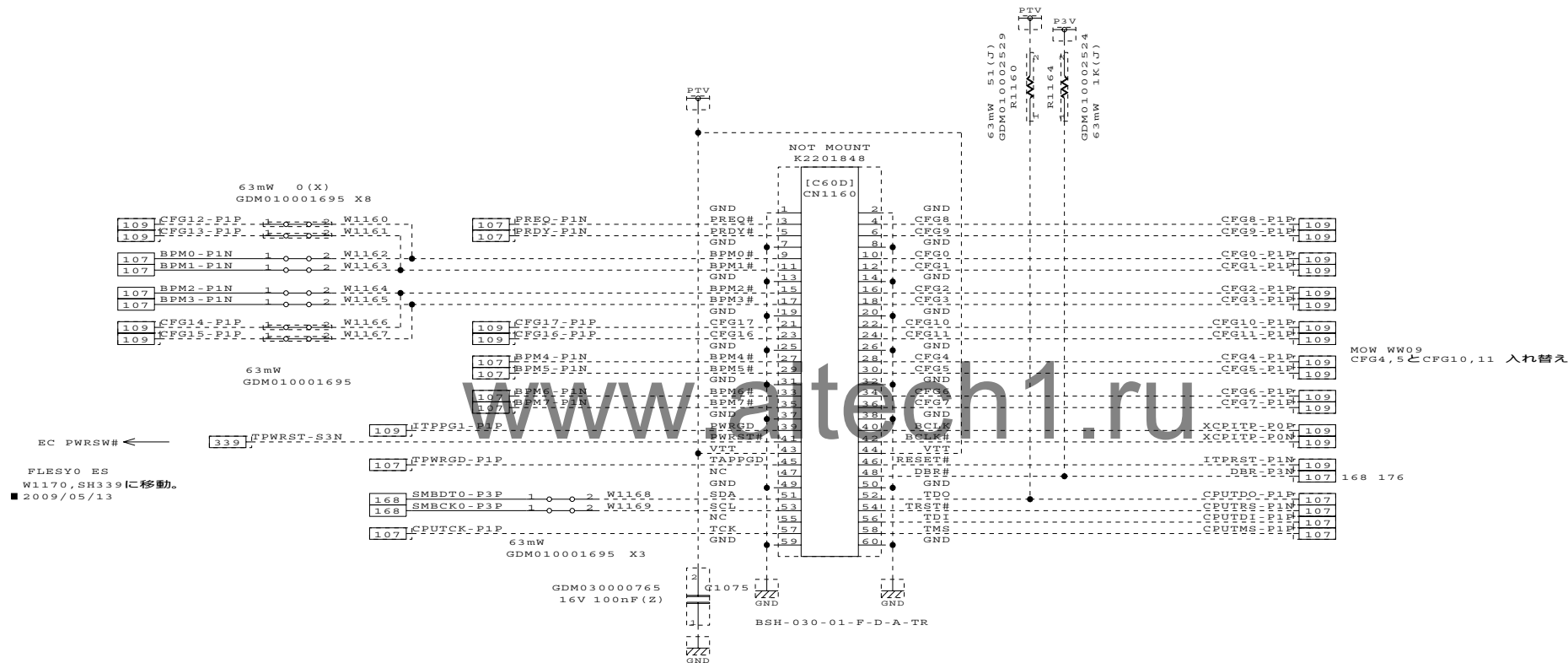




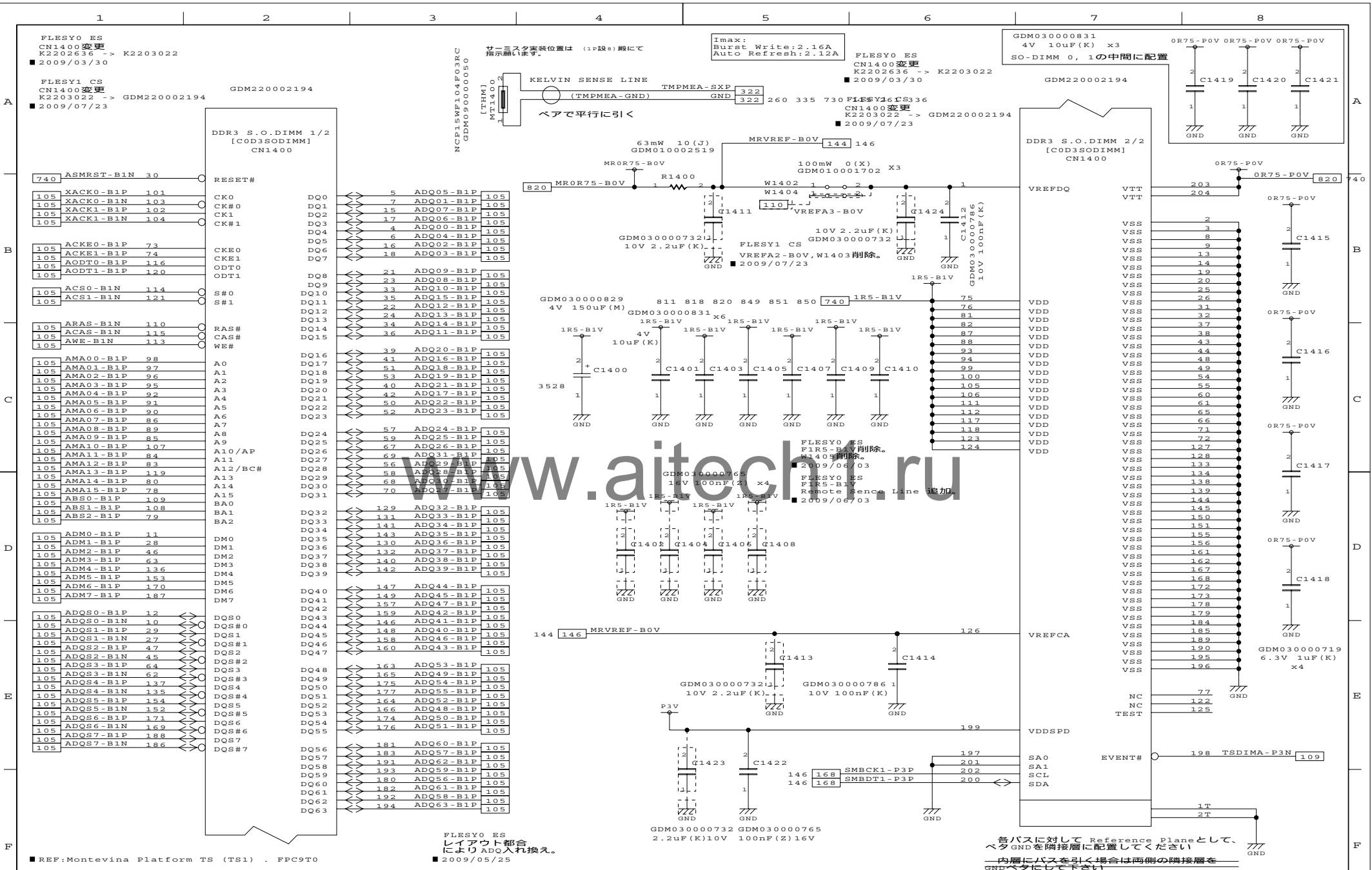


DESIGNED BY		TITLE		FUNCTION		SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K. Senuma		FLESY3		THERMAL SENSOR		115	017	00	360069893
2009.11.05 18:33				TOSHIBA CORPORATION					

ES:W1162-1165,W1168,W1169を実装
CS以降は、未実装にする。



DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Senuma	FLESY3	ITP-XDP 60pin	116	018	00	360069893





HM55 (VP) : GDM460002417
QM57 (VP) : GDM460002418
HM55 (QS) : GDM460002387
PM55 (QS) : GDM460002388
PM57 (QS) : GDM460002389
HM57 (QS) : GDM460002390
QM57 (QS) : GDM460002391

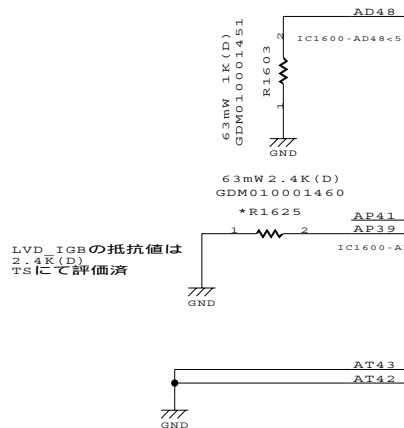
IBEX PEAK PCH 1/16
[UIBEXPEAKA]
*IC1600

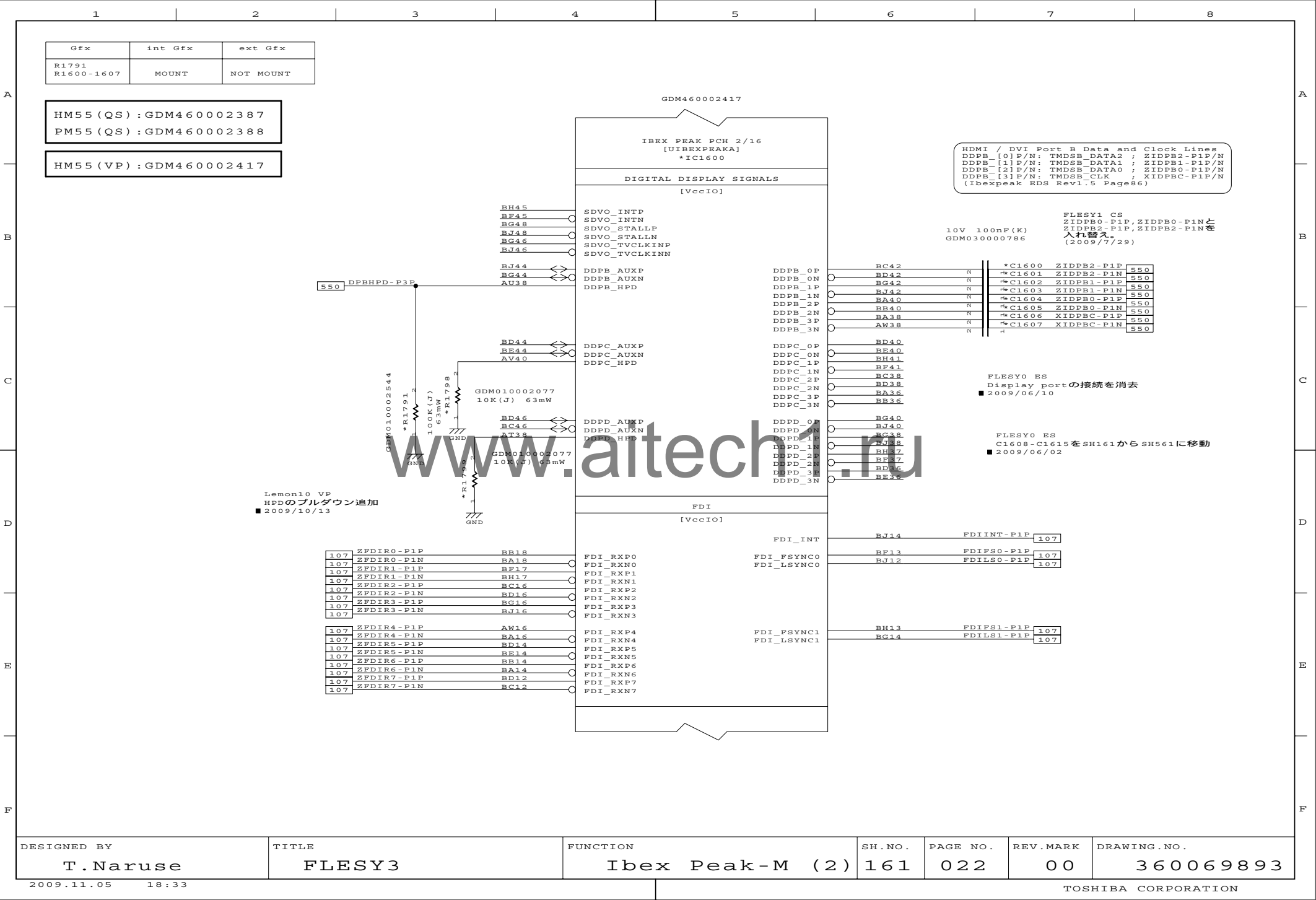
IDBSC-L-P3P S50
 IDBSDA-P3P S50

DP削除により DP用のDDCを削除
 LVDSの認識にLCD_DDCの
 DATAラインをストラップとして使用

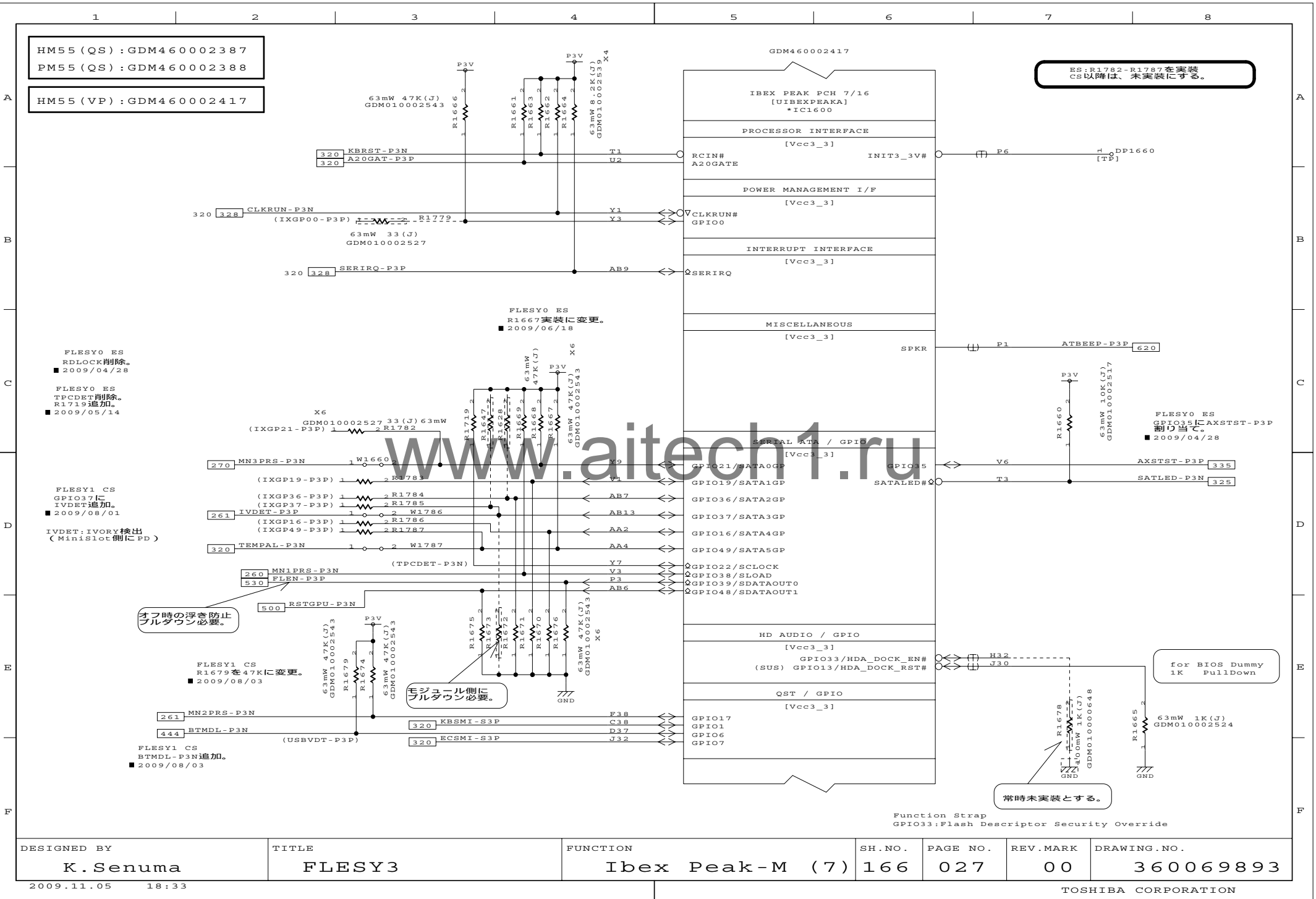
GDM010002536 R1653
 2.2K (J) 63mW R1654

Pin	Component	Value	Part Number	Pin	Value
1	*R1645	IC1600-Y48-10	BKLPWM-P3P	539	
1	*R1646	IC1600-T48-10	BLON-P3P	530	
1	*R1642	IC1600-T47-10	LCDON-P3P	530	

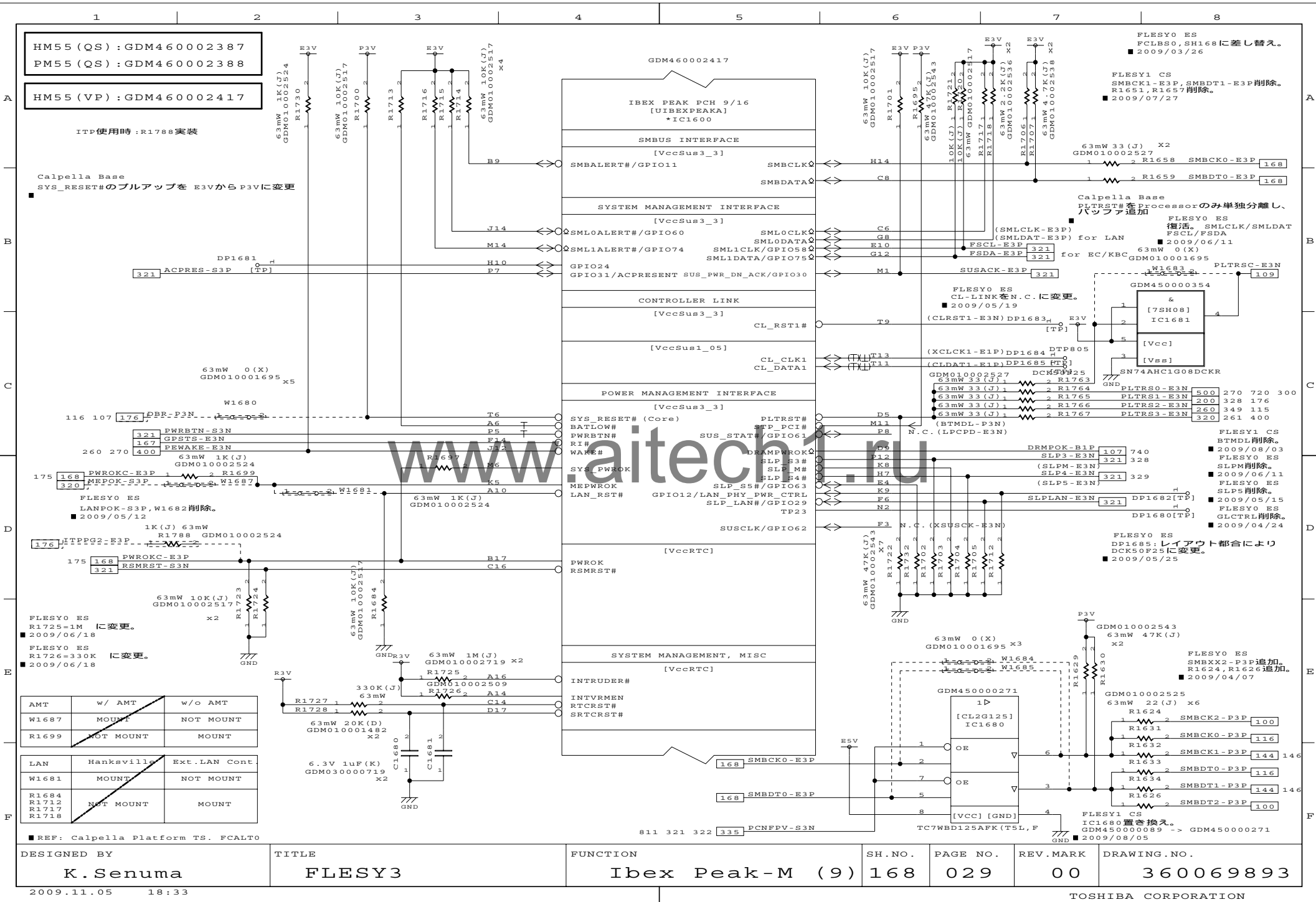


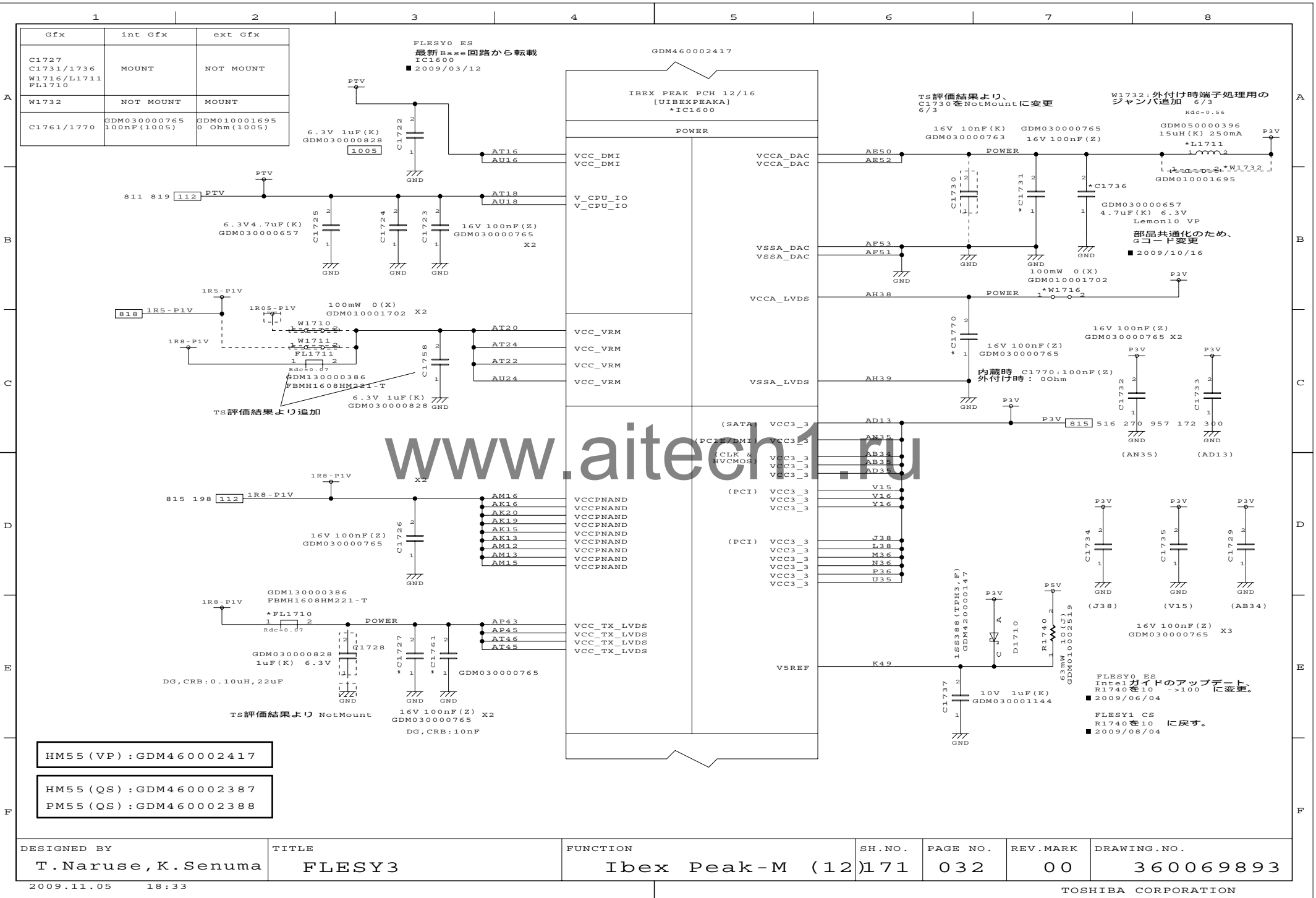


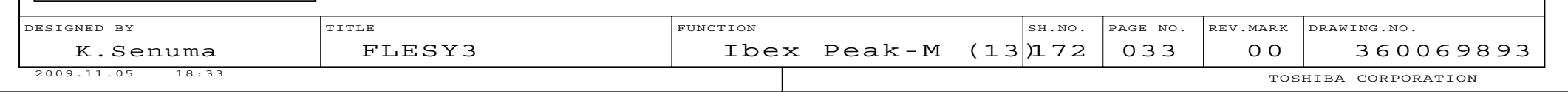


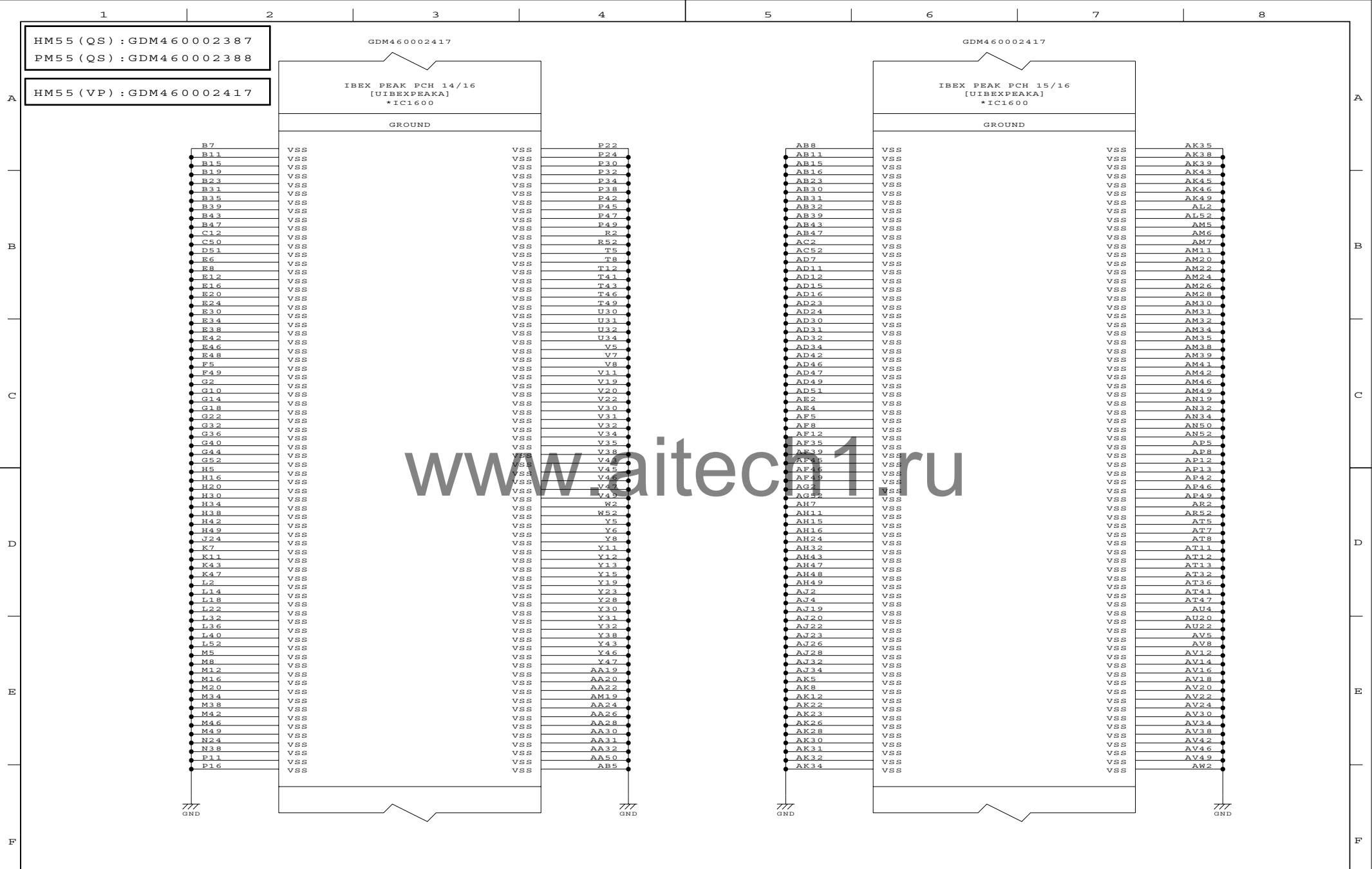


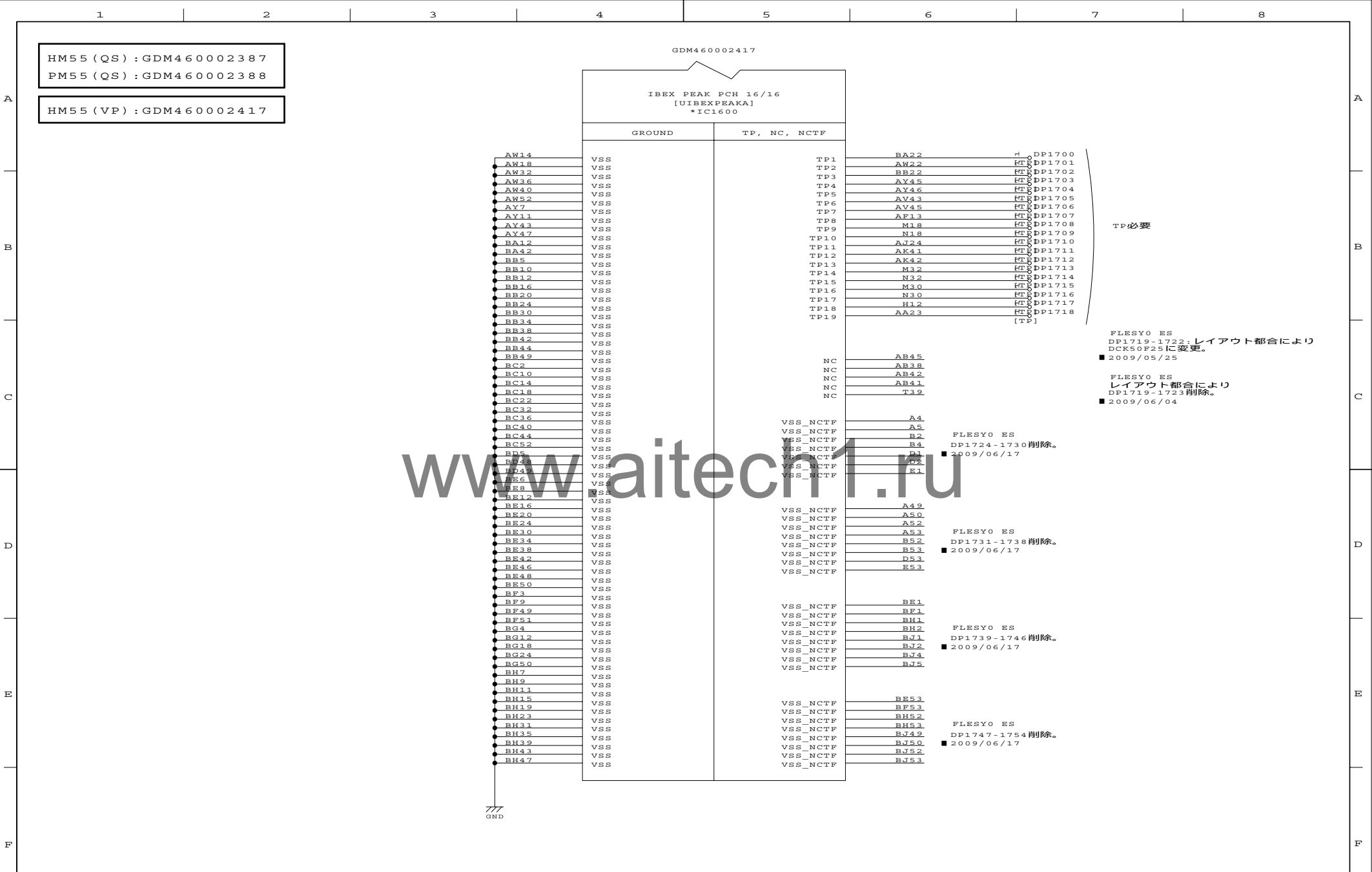


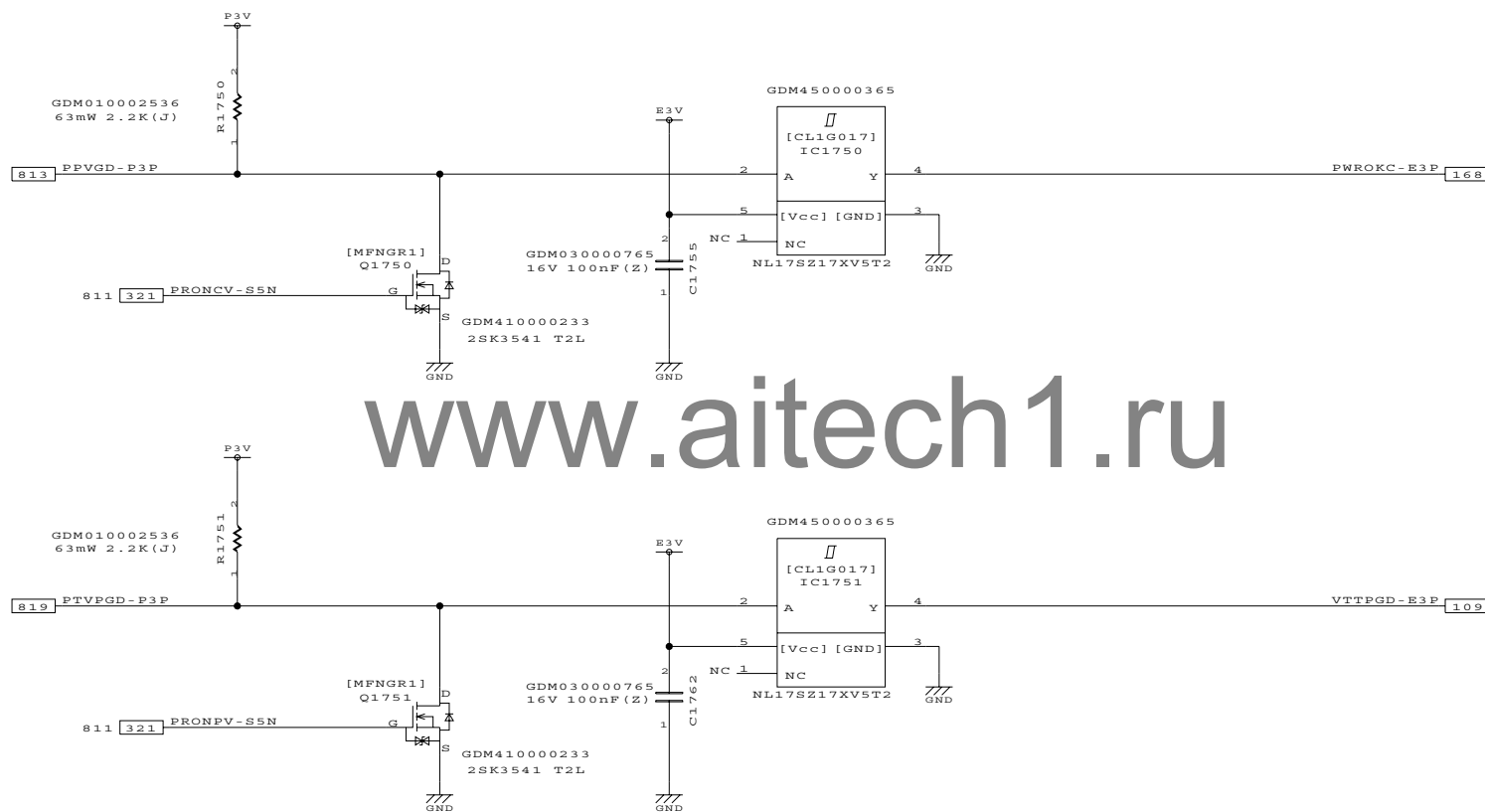












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DESIGNED BY

K. Senuma

TITLE

FLESY3

FUNCTION

IMVP-6.5 POWER OK

SH.NO.

175

PAGE NO.

036

REV.MARK

00

DRAWING.NO.

360069893

2009.11.05 18:33

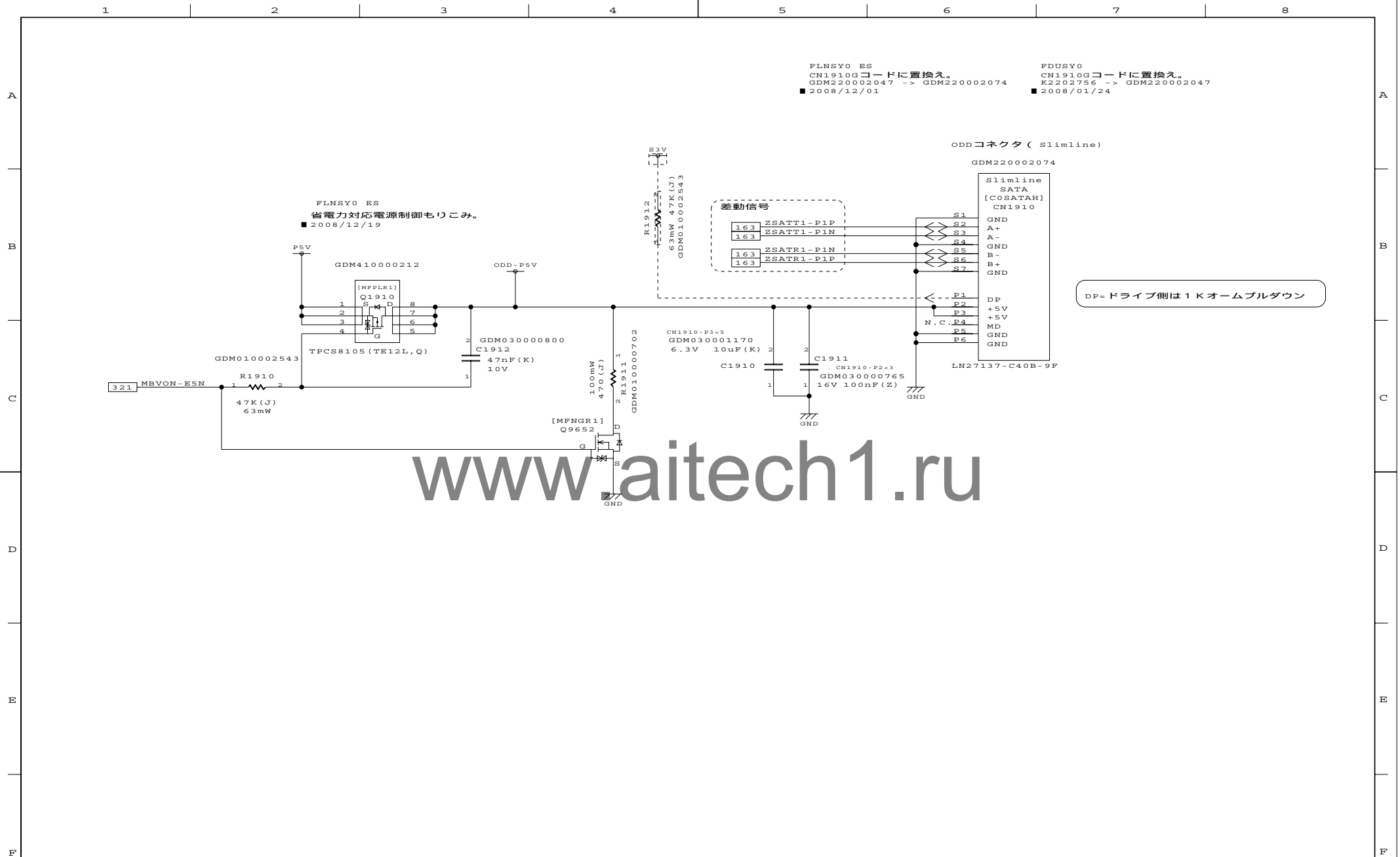
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スタッガード・スピニアップは、 Disableとする。

W1900 Not Mount	=	Staggard Spin-Up	Enable
W1900 Mount	=	Staggard Spin-Up	Disable

一般的な設定
 1st HDD -> スタッガード・スピンアップ、 Disableとする。
 (プルダウン Disableなので、ハーネス使用時は信号接続に注意)
 2nd HDD -> スタッガード・スピンアップ、 Enableとする。



DESIGNED BY 2009/10/20

K. Senuma

TITLE

FLESY3

FUNCTION

SATA 1 I/F (ODD)

SH.NO.

191

PAGE NO.

039

REV.MARK

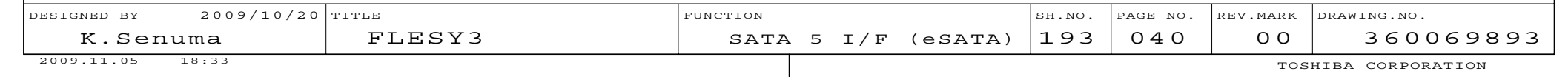
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DRAWING.NO.

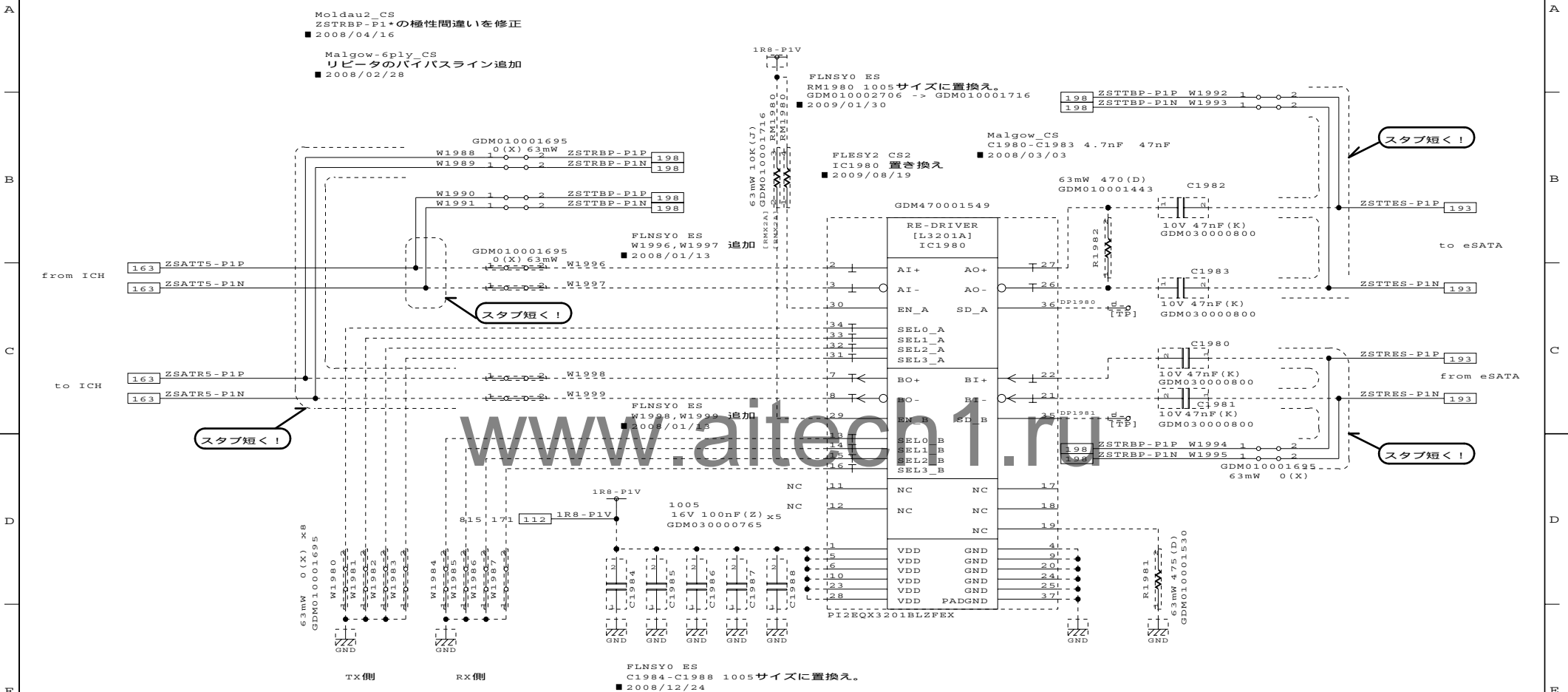
360069893

2009.11.05 18:33

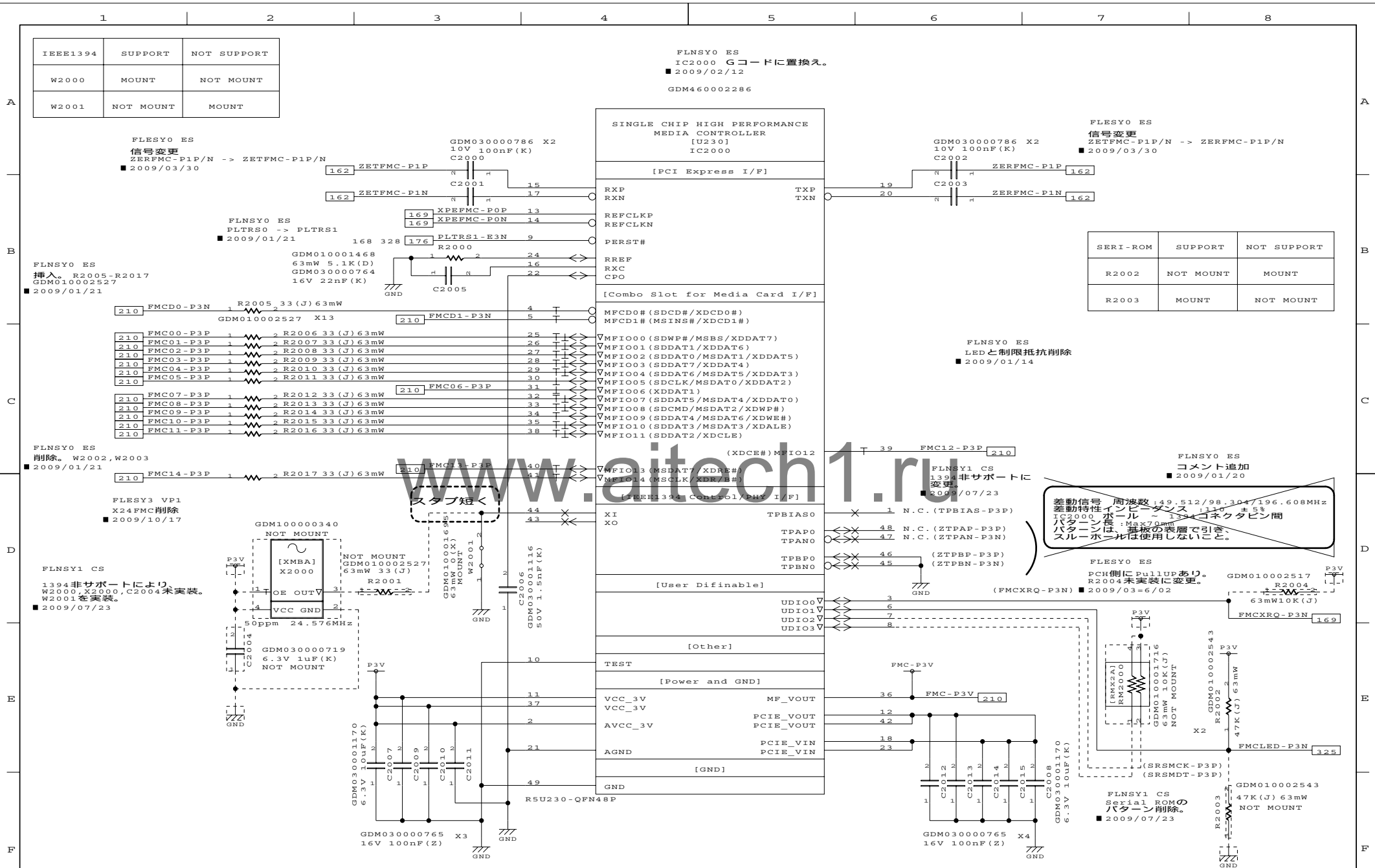
TOSHIBA CORPORATION

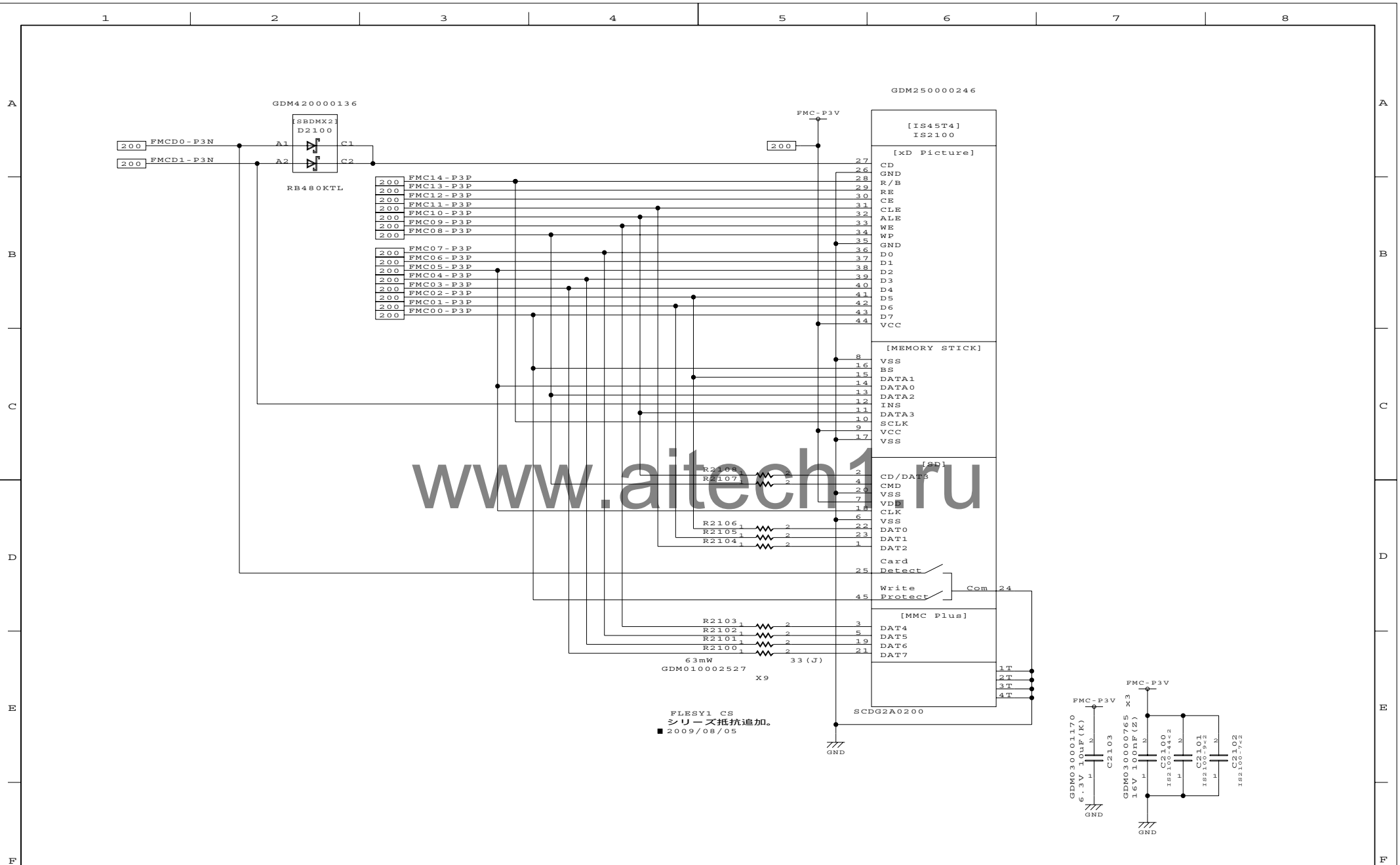


SATA REPEATER は使わない。関連部品は全て未実装とする。



DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K. Senuma	FLESY3	SATA REPEATER	198	041	00	360069893





DESIGNED BY 2009/01/27

N. Fujiwara

TITLE

FLESY3

FUNCTION

MEDIA BRIDGE I/F

SH.NO.

210

PAGE NO.

043

REV.MARK

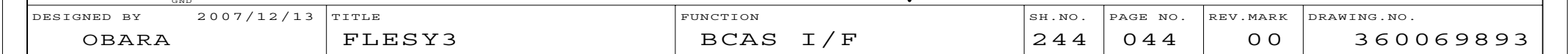
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360069893

2009.11.05 18:33

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Power Rail	Voltage Tolerance	D0-D2 D3 hot Power (*)		Auxiliary Pow(**)	
		Peak (max) mA	Normal (max) mA	Peak (max) mA	Normal (max) mA
3.3Vaux	± 9%	2750	1100	1750 (wake enabled)	250(wake enabled) 5(not wake enabled)
+1.5V	± 5%	500	375	N/A	N/A

*:When available, the total power drawn by a PCI Express Mini Card function for the sum of +3.3V and 3.3Vaux shall not exceed 750mA(Normal max) and 1,000mA(Peak max)

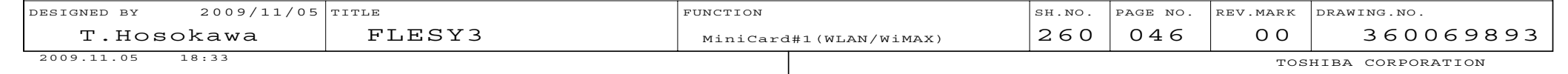
**:The auxiliary current limit only applies when the primary +3.3V and +1.5V Vvoltage sources are not available; i.e., the card is in a low power D3 state.

Definitions:

Definitions:
Peak - The highest averaged current value over any 10-millisecond period.

Normal - The highest averaged current value over any 1-second period.

DESIGNED BY	2009/10/20	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
T.Hosokawa		FLESY3	WLAN / WiMAX Power	259	045	00	360069893



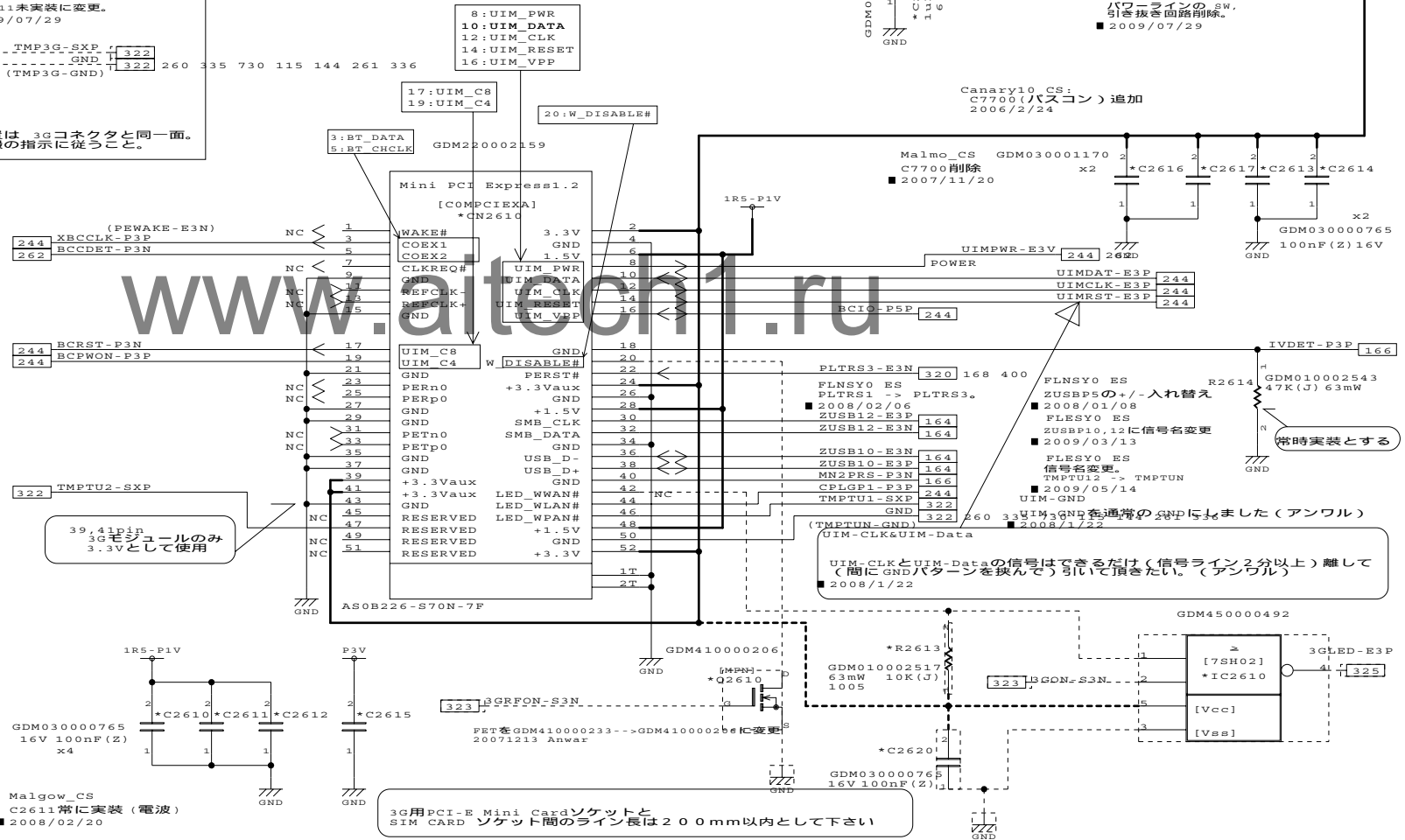
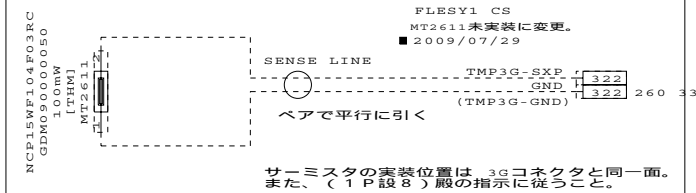
仕向け設定有

	B-CAS	3G	無
実装	CN2610, W2614, C2610, C2611, C2612, C2615, C2613, C2614, C2616, C2617, C2618, R2614, C2620, R2614, R2613, IC2610, Q2610	CN2610, W2614, C2610, C2611, C2612, C2615, C2613, C2614, C2616, C2617, C2618, C2620, R2614, R2613, IC2610, Q2610	無し
未実装	MT2611, C2620, R2613, IC2610, Q2610	MT2611	全て未実装

PCI-E Mini Card #2
 PCI-Exp : Not Support
 USB : (3G) / DVB-T / ISDB-T

FLNSY0 ES
 CN2610 変更
 GDM220001654 -> GDM220001729
 ■ 2008/12/13
 FLESY0 ES
 CN2600 変更
 GDM220001729 -> GDM220002159
 ■ 2009/03/30

FLESY1 CS
 MT2611未実装に変更。
 ■ 2009/07/29



■ 2008/03/06
 3G Wake使用予定無しのため削除

Malgow-6ply_CS
 Q2613を未実装
 (G-S逆転、VPで修正)
 ■ 2008/03/06

37, 43pinをGNDに追加
 06/04/07

■ REF: Newport10 (VP) . FNPSY1

Malgow_CS
 C2611常に実装(電波)
 ■ 2008/02/20

DESIGNED BY 2009/10/26

TITLE

FLESY3

FUNCTION

MiniCard#2 (3G/ISDB-T)

SH.NO.

261

PAGE NO.

047

REV.MARK

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DRAWING.NO.

360069893

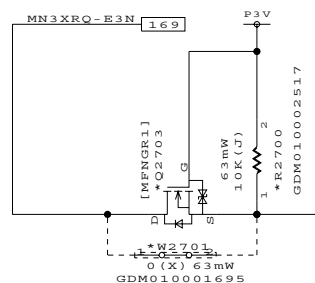
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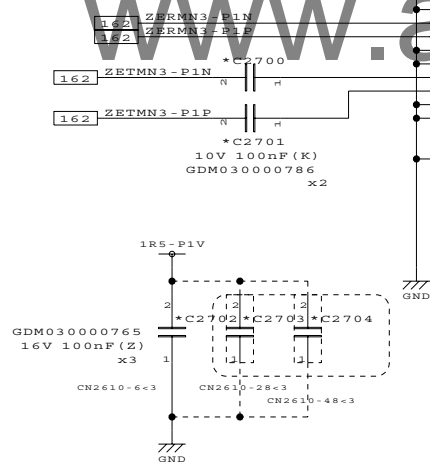
PCI-E Mini Card #3
PCI-Exp :Wireless USB/JET
USB :Not Support

```

	S L O T 3	
	有	無
R2700, R2703, R2704, R2705, C2703, C2704, W2700, MT2700	Not mount	Not mount
上記を除く部品	Mount	Not mount

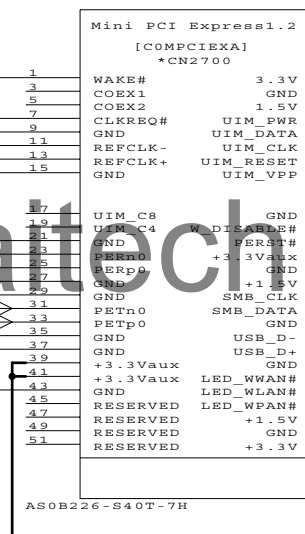


260	168	400	PEWAKE-E3N
<hr/>			
	169		XPEMN3-PON
	169		XPEMN3-POP

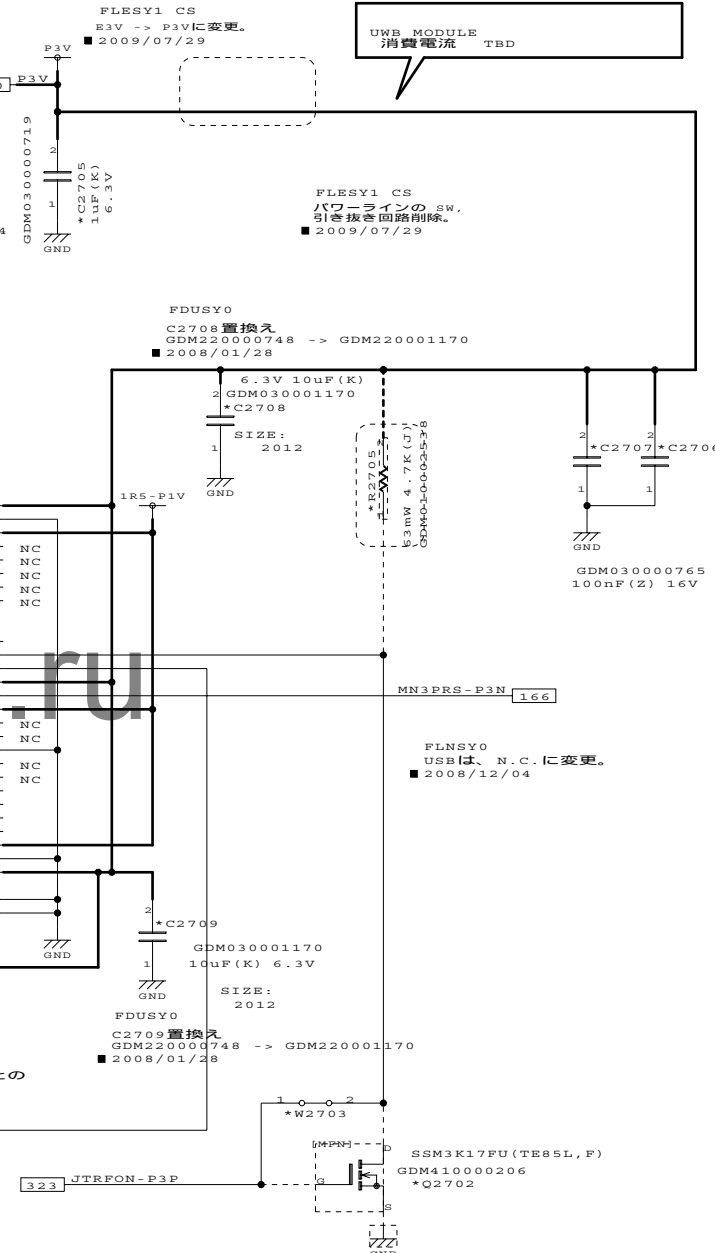


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FLNSYO ES
PLTRS1 -> PLTRS2
■ 2009/01/21

FLNSYO ES
信号名変更
PLTRS2 -> PLTRS0.
■ 2008/02/06
```



FLNSY0 ES
UWBRST# と PLTRS# との
ANDゲート削除。
2009/01/09



新規

DESIGNED BY	2009/10/20	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
TABARU/NAKANO		FLESY3	MiniCard#3 (WUSE /JET)	270	049	00	360069893

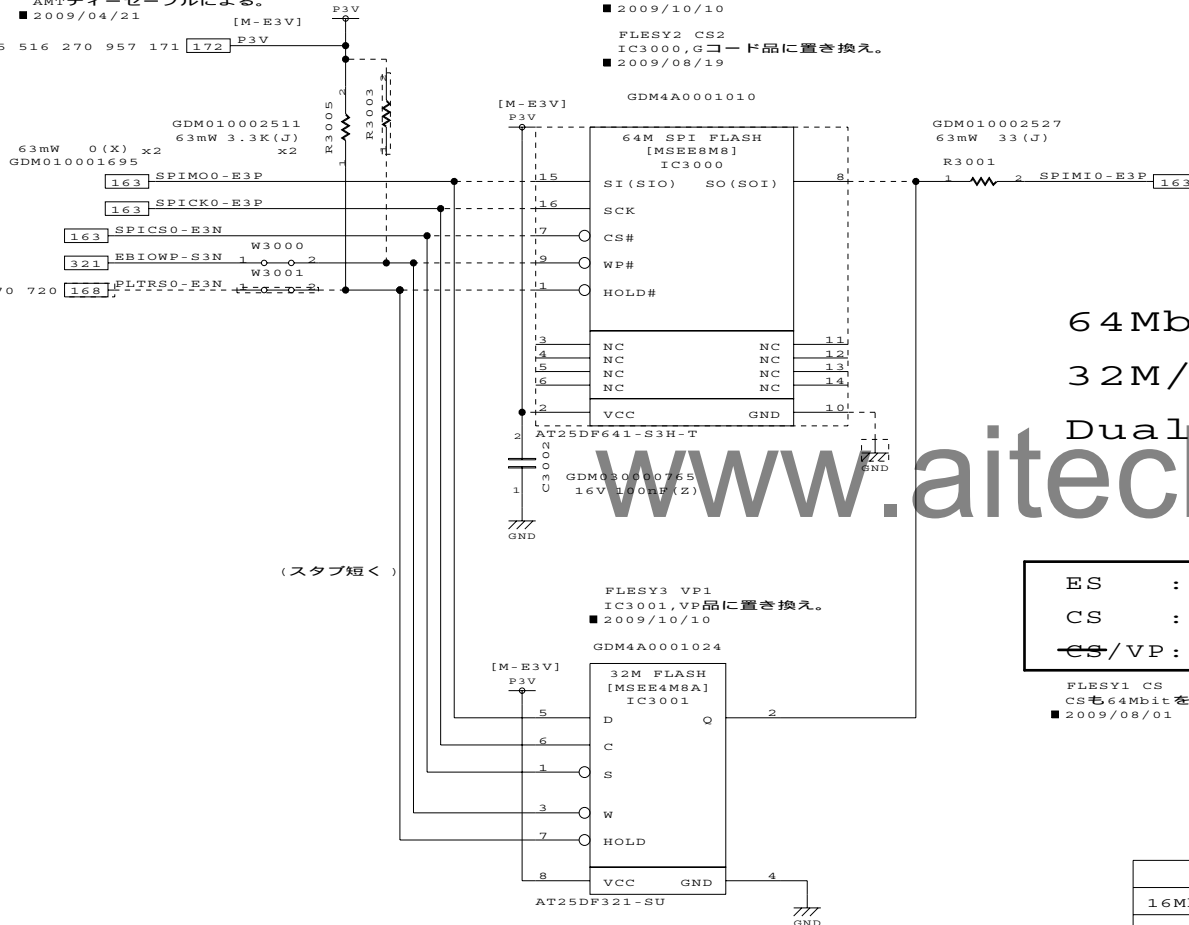
	Int GPU	Ext GPU	生ROM
CS	GDM4A0001010 F0101001 FQ	GDM4A0001011 F0101101 FR	64Mbit/GDM460002384
VP	GDM4A0001024 F0102401 G2	同左	32Mbit/GDM46000

FLESY0 ES
FCLBS0,SH300に差し替え。
■ 2009/03/26

FLESY0 ES
M-E3V -> P3Vに置き換え。
AMTディーセーブルによる。
■ 2009/04/21

FLESY3 VP1
IC3000未実装に変更。
■ 2009/10/10

FLESY2 CS2
IC3000,Gコード品に置き換え。
■ 2009/08/19



64Mbit: 16pin

32M/16Mbit: 8pin

Dual Footprint要検討

ES : IC3000=実装, IC3001=未実装
CS : IC3000=実装, IC3001=未実装
~~CS~~/VP: IC3000=未実装, IC3001=実装

FLESY1 CS
CSも64Mbitを使用する。
■ 2009/08/01

	Ibex Peak	ME Function
16Mbit	PM55	(ME Ignition FW)
32Mbit	HM55, PM57, HM57	PAVP1.5, AT-p, Braidwood
64Mbit	PM57, HM57	PAVP1.5, AT-p, Braidwood, RPAT for Consumer
	QM57	PAVP1.5, AT-p, Braidwood, vPro 6.0 with RPAT, AT-d

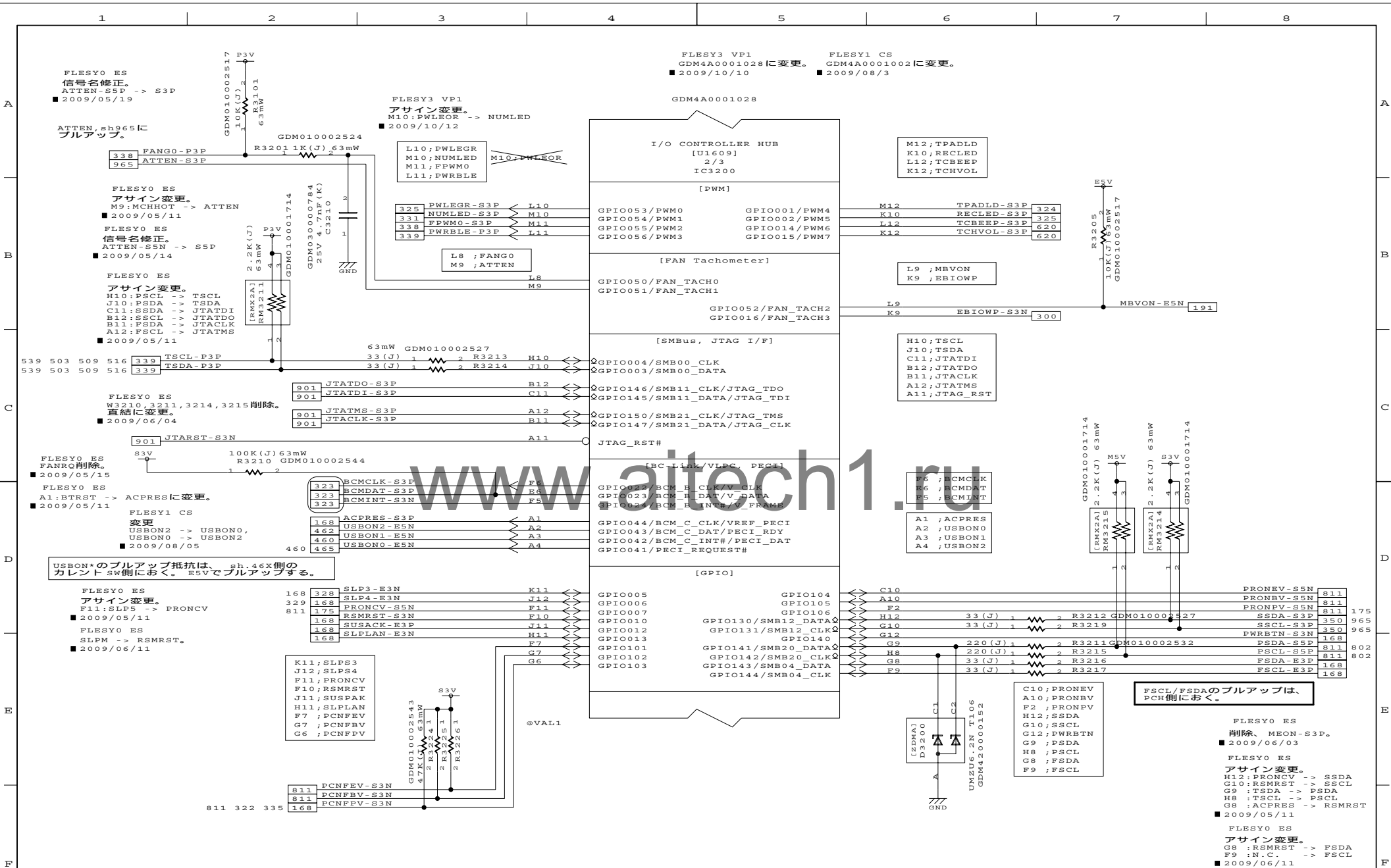
■ REF: Calpella Platform TS. FCALTO

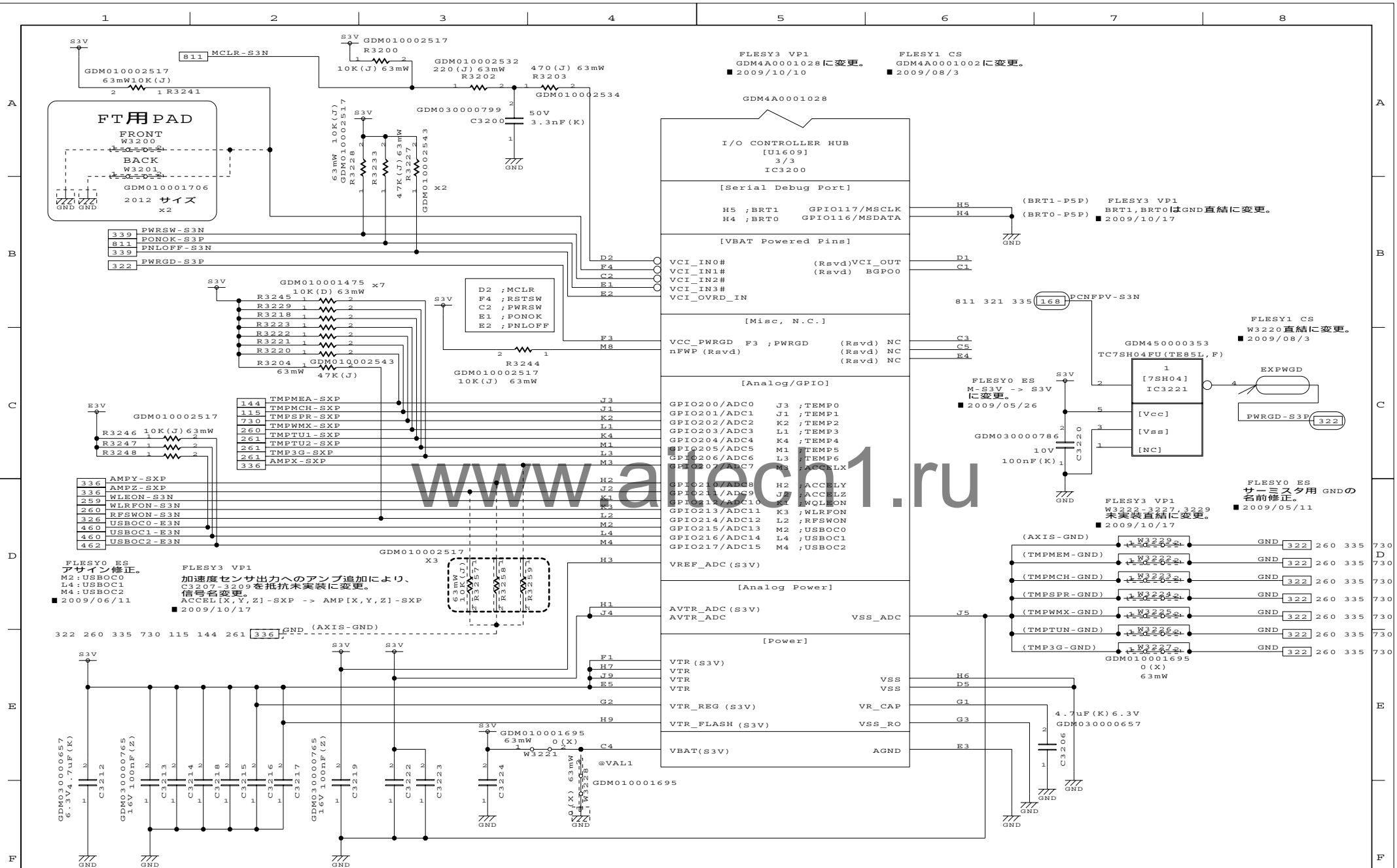
DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K. Senuma	FLESY3	FLASH ROM	300	050	00	360069893

2009.11.05 18:33

TOSHIBA CORPORATION







ヘッダピンコネクタにはリファレンスのシルク印刷を付けて下さい。また、ピン配置がわかるようにして下さい

SMB_ADDR設定

PJ3230 JP SEL	SMBUS ADDRESS[7:1]
1-2Pin	0111 001b
2-3Pin	0111 000b

JPチップはできるだけ EXGrJPチップ配置エリアに、Grごとにきかためて配置して下さい

JPチップ Gr	JPチップ
EXSCM (EX配置エリア)	W3230 W3231 R3237
EXSMB2 (EX配置エリア)	W3232 W3233

GPIO Expander I/F設定

JP Gr.	JP	BC-Link使用時	SMBUS使用時
EXSCM	W3230 W3231 R3237	Mount	Not Mount
EXSMB1	W3312 W3313	Not Mount	Mount
EXSMB2	W3232 W3233	Not Mount	Mount

FLESY0 ES
信号名修正。
SPCKLW-P3N -> SPCKLW-18N
■ 2009/05/26

FLESY0 ES
信号名修正。
PNLBS-E3N -> PNLBS-E3N
■ 2009/05/14

FLESY0 ES
BC-Link時は、実装が正しい。
R3237実装とし、コメントも修正。
■ 2009/06/04
FLESY1 CS
結局、BC-Link時は未実装が正しい
とのこと。
■ 2009/08/04

FLESY0 ES
TOCHENのプルアップを
M5V -> S3Vに変更。
信号名変更。
TOCHEN-S5N -> S3N
■ 2009/05/19

FLESY0 ES
信号名変更
MCHHOT-P3N -> P1N
■ 2009/05/13
FLESY0 ES
アサイン変更
ATTEN -> MCHHOT
■ 2009/05/11

FLESY0 ES
アサイン変更
ECOLD0 -> RSV.
■ 2009/05/11

FLESY0 ES
アサイン変更
ECOLD1 -> PNLBS
■ 2009/05/11

FLESY0 ES
アサイン変更
ECOLD2 -> BLOBS
■ 2009/05/11

FLESY0 ES
削除
FGSPON-S3N
■ 2009/05/26

FLESY1 CS
GPIO30に
USBSL2-E3Nアサイン。
■ 2009/08/01

BC-Linkで使用

BC-Link使用時は NOT_MOUNT にする。

FLESY0 ES
BTRST用に47KでPU。
■ 2009/05/11
FLESY1 CS
追加
R3249
■ 2009/08/05

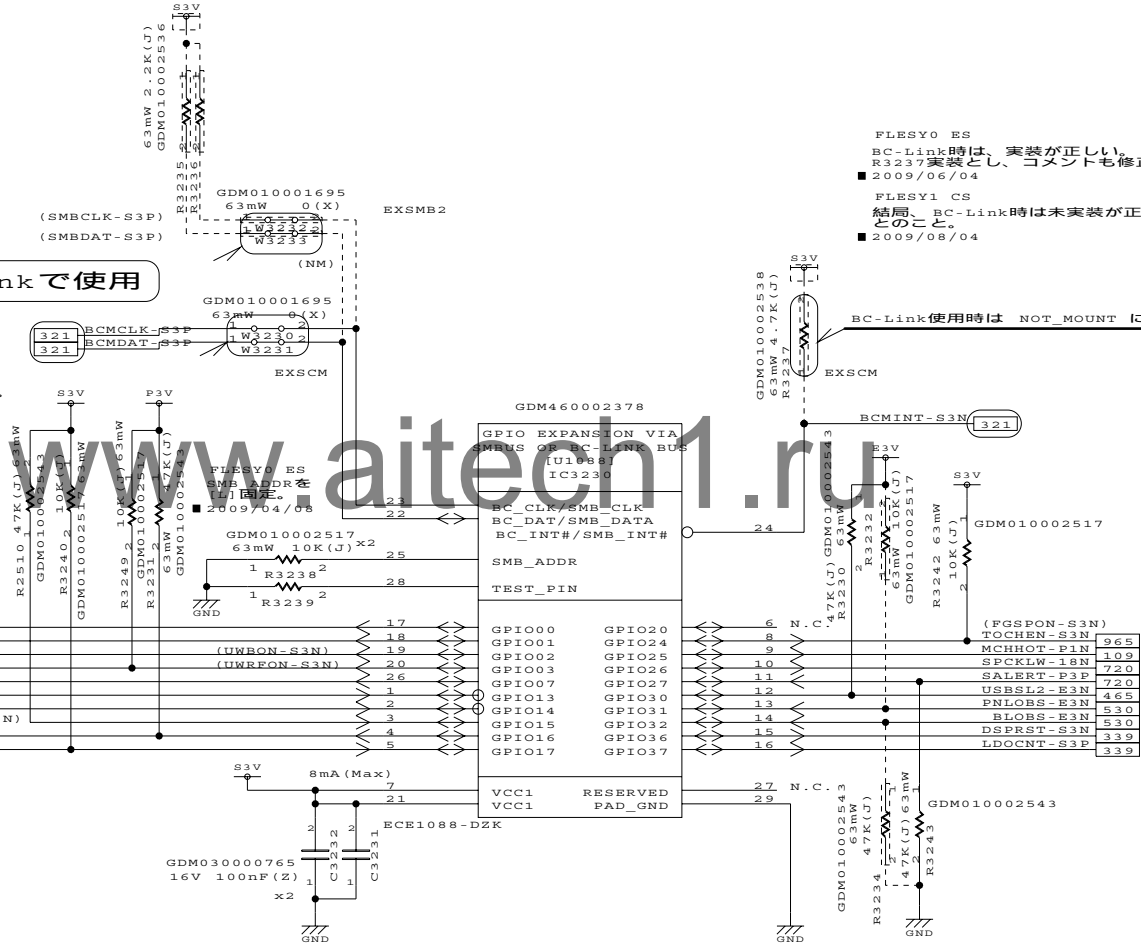
FLESY1 CS
追加
RSTGT2-S3N
S3もれ対策用
メモリリセット制御
■ 2009/08/04

FLESY1 CS
削除
CRDCPA-S3N
■ 2009/08/01

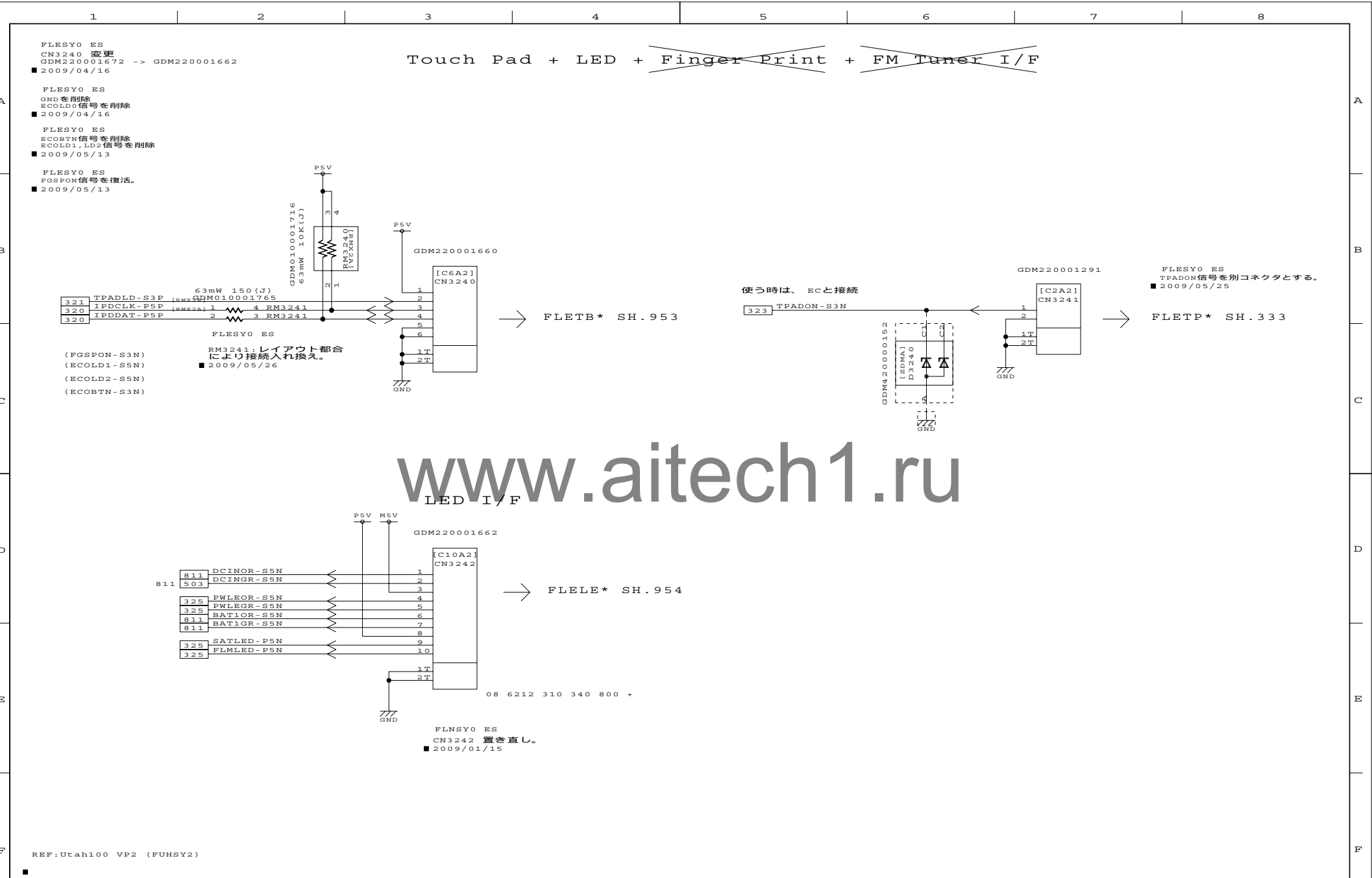
FLESY0 ES
アサイン変更
ECOBTN -> BTRST
■ 2009/05/11

FLESY0 ES
信号名修正。
RCWKUP-S3N -> CIRWAKE-S3N
HDMIDT-P3P -> HPDETI-S3P
CRDCPA-E3N -> CRDCPA-S3N
■ 2009/05/14

261	3GON-S3N
261	3GRFON-S3N
740	RSTGT2-S3N
270	JTRFON-P3P
957	FELIEN-S3N
328	CIRWAKE-S3N
559	HPDETI-S3P
350	
444	BTRST-S3N (CRDCPA-S3N)
324	TPADON-S3N



DESIGNED BY	2008/9/30	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
M.Midorikawa		FLESY3	GPIO Expander	323	054	00	360069893



DESIGNED BY	2009/10/20	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Senuma		FLESY3	FLETB*/TP*/LE* I/F	324	055	00	360069893
2009.11.05	18:33						TOSHIBA CORPORATION



Power LED Amber 用



Power LED White 用

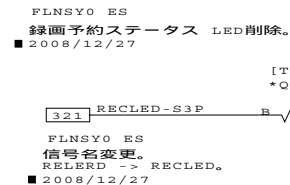


SATA LED用

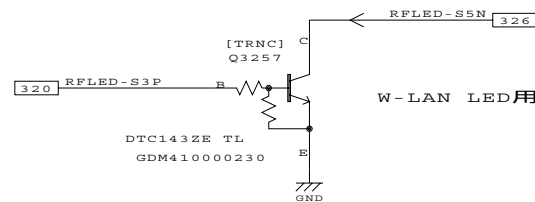


Media Bridge LED用

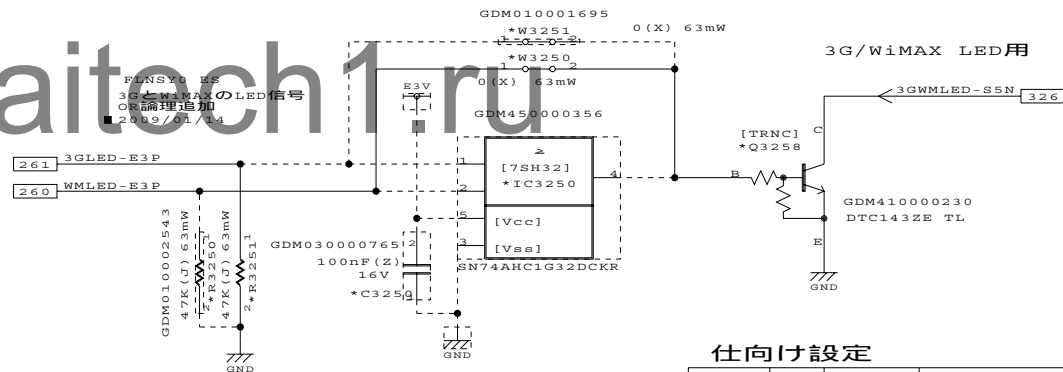
FLNSYO ES
信号名変更。
FMLED -> FLMLLED。
2008/12/27



録画 LED用



W-LAN LED用



3G/WiMAX LED用

FLNSY0 ES
IC3250 サイズ変更。
-> GDM450000356
2009/02/10

録画 LED	Mount	Not Mount
有	Q3256	
無		Q3256

録画 LED	Mount	Not Mount
有	Q3256	
無		Q3256

WiMAX	3G	Mount	Not Mount	
有	有	Q3258 IC3250 C3250	W3250 W3251 R3250 R3251	
有	無	Q3258 W3250 R3251	IC3250 W3251 R3250	C3250
無	有	Q3258 W3251 R3250	IC3250 R3251	C3250
無	無		Q3258 IC3250 W3250 W3251 R3250 R3251	C3250

WiMAX	3G	Mount	Not Mount	
有	有	Q3258 IC3250 C3250	W3250 W3251 R3250 R3251	
有	無	Q3258 W3250 R3251	IC3250 W3251 R3250	C3250
無	有	Q3258 W3251 R3250	IC3250 R3251	C3250
無	無		Q3258 IC3250 W3250 W3251 R3250 R3251	C3250


 The first logo is a solid black square.

K. Senuma

TITLE
FLESY3

FUNCTION
Drive LED

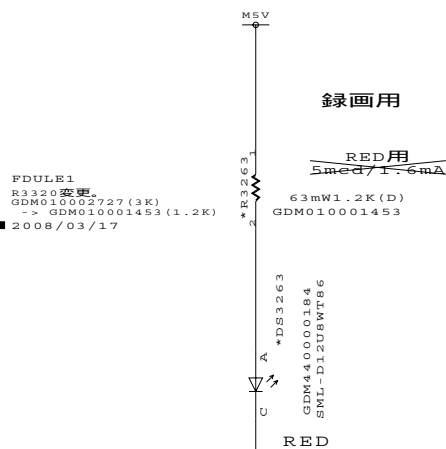
SH. NO.	325
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PAGE NO.
056

REV. MARK
00

DRAWING . NO .
360069893

仕向け設定あり



325 RECRED-S5N

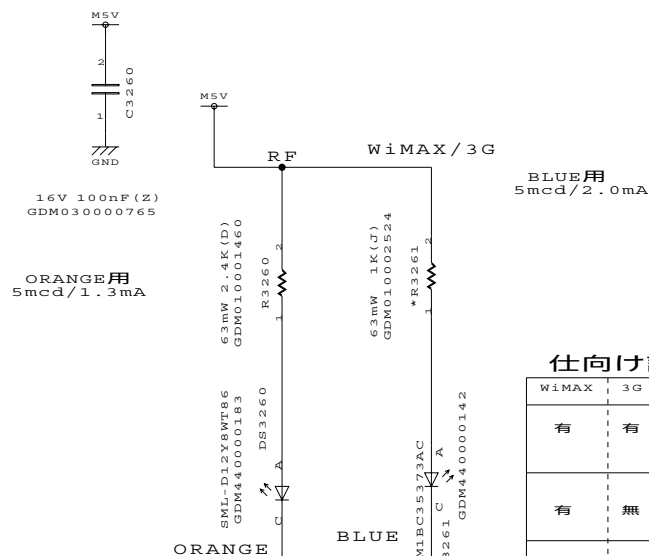
システム基板側に FET必要

仕向け設定

録画LED	Mount	Not Mount
有	DS3263 R3263	
無		DS3263 R3263

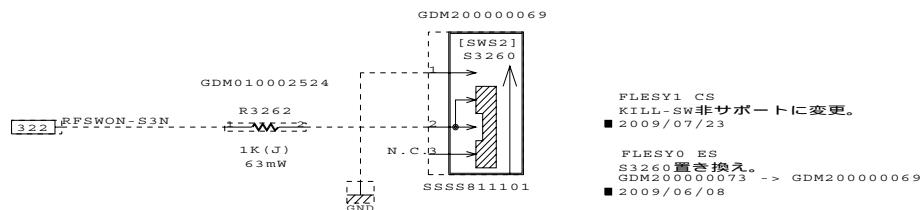
定数は暫定

LED発光輝度（抵抗値）
はVP相当筐体に入れて
再度チェックを行う。



325 RFLED-S5N

325 33WMLD-S5N



DESIGNED BY 2009/10/20

K. Senuma

TITLE

FLESY3

FUNCTION

KILL-SW, LED-REC/WIRELESS

SH.NO.

326

PAGE NO.

057

REV.MARK

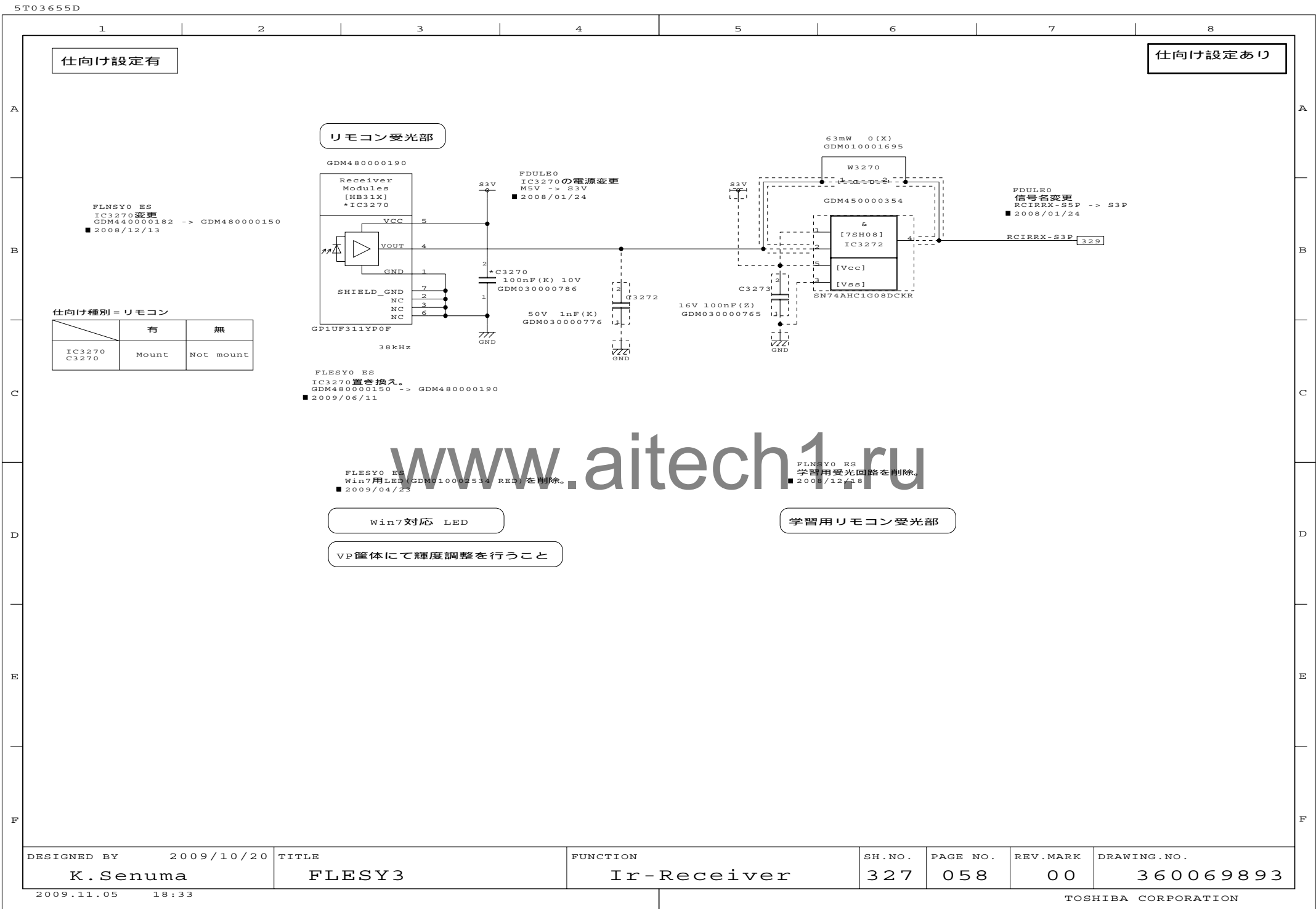
00

DRAWING.NO.

360069893

2009.11.05 18:33

TOSHIBA CORPORATION



仕向け設定あり

	リモコン 有	無
C3291, C3295, C3339	Mount	Mount
C3293, C3297, C3299, R3294, R3295, R3296, R3279, R3295	Not Mount	Not Mount
上記を除く全て	Mount	Not Mount

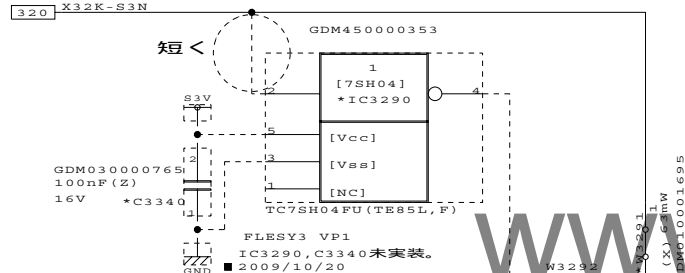
FDUSY1_R01
IC3280置換え
GDM460002023 -> GDM460002107
■ 2008/04/10

FLNSY0 ES
信号名変更
RCIRRX-S5P -> RCIRRX-S3P
■ 2008/12/18

327 329 RCIRRX-S3P

FLNSY0 ES
LERNRX 未接続ブルダウン。
■ 2008/12/18

FLESY0 ES
X32K-S3Nバスを変更。
■ 2009/04/28



スタブ短く

FDUSY0
C3281部品コード変更
GDM030001387 ->
GDM030001170
■ 2008/01/29

GDM050000397
*L3290
33uH (K) 170mA

FLNSY0 ES
C3297部品コード変更
GDM030001387 ->
GDM030001170
■ 2009/02/09

REF:Scottsdale100 CS (FCHSY0)

DESIGNED BY 2009/10/20
K.Senuma/H.Suzukawa

TITLE
FLESY3

FUNCTION
IR Cont.2/2

SH.NO.
329

PAGE NO.
060

REV.MARK
00

DRAWING.NO.
360069893

2009.11.05 18:33

TOSHIBA CORPORATION



DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
T.Ichimura	FLESY3	TPM (Not Ready)	330	061	00	360069893
2009.11.05	18:33					TOSHIBA CORPORATION

STMicro: LIS3L02AL3
LIS355AL3

Kionix: KXP85-2050

FRONT面に実装。は、(1P設8)指示に従うこと。
配置する場所ノノ易い部品なので、発熱部品の近くへ配置しないこと。
温度ドリフト

The diagram shows two coordinate systems. On the left, the <System> coordinate system has axes X (pointing left), Y (pointing up-right), and Z (pointing up). A 3D block is shown with faces labeled Left, Right, Front, Back, and Top. A large black arrow labeled 'Gravity' points downwards. On the right, the <Accelerometer> coordinate system has axes X (pointing up-right), Y (pointing left), and Z (pointing up). A 3D block is shown with faces labeled Top and spin (pointing left). A legend at the bottom right states: Mounted side = FRONT.

■ 2009/01/06

FLNSY0 ES
R3351追加。
2009/01/06

FLNSYO ES
KIONIX製を削除。
2008/12/18

ACCEL[X,Y,Z]-SXPは、EC/KBC側のシートに
コンデンサを設置すること

ACCEL[X,Y,Z]-SXP must have capacitors near by EC/KBC (SH.32x).

```

100nF(K) at Kionix products
           (Rout=32Kohms)

33nF(K) at STMicroelectronics products
           (Rout=110Kohms)

```

IC 3350 は置換え予定あり。

FLNSY3 VP1
最新シンボルにアップデート。
GDM470001458
2009/10/14

```
FLNSY0 ES
置換え。
GDM470001433 -> GDM470001458
2009/01/20
```

FLNSY0 ES
W3350削除。9PINはS3V直結。
■ 2009/01/06

FLNSY0 ES
C3350サイズ変更。
2009/01/09

[EC/KBC]

322 260 730 115 144 261 336 GND
(AXIS-GND)

EC/KBCのAVSSピンまでを
できるだけ最短に！

```
PD (Power Down)
  0: normal mode
  1: Power-Down mode
```

```
FS(Full Scale selection)
0: 2g Full-scale
1: 6g Full-scale
```

```
ST(Self Test)
0: normal mode
1: Self-test
```

PD, STは内部ブルダウンされていないので、
レベル不定状態が発生しないように
外部でブルアップ/ダウンすること

~~仕向け設定有~~

■ ORG:Wengen20-CS (Base:Malgow-CS)

TITLE

FLESY3

FUNCTION

ACCELEROMETER (FRONT)

DRAWING NO.

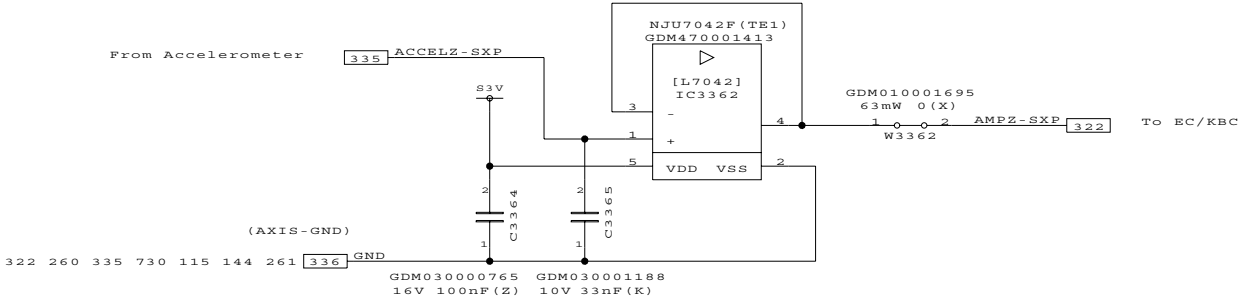
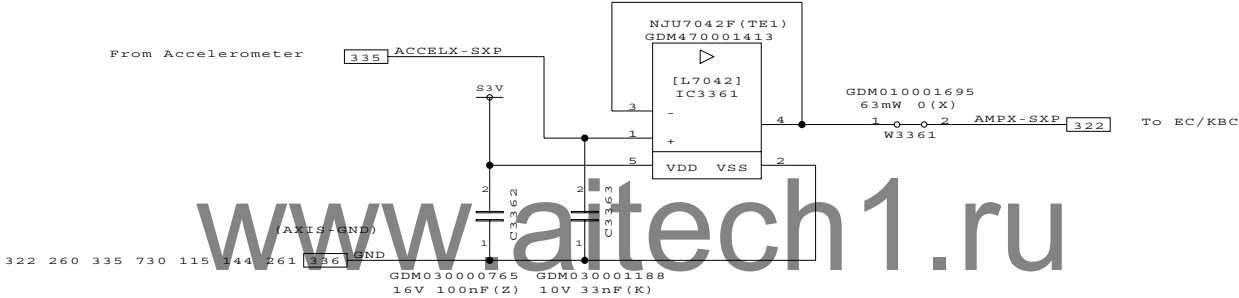
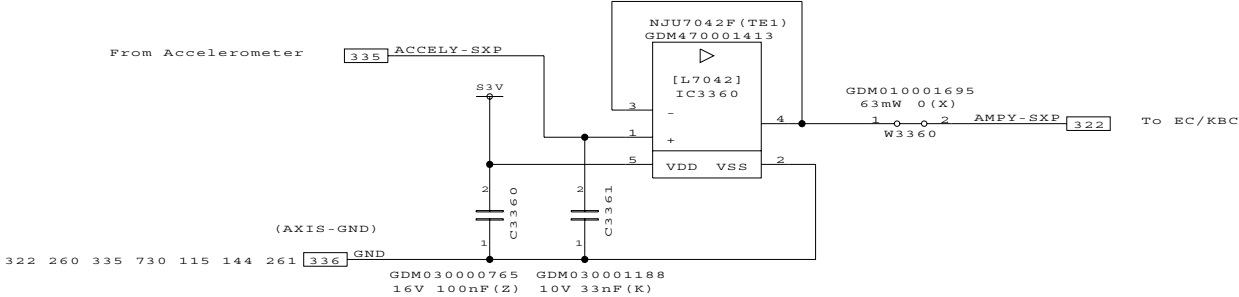
360069893

2009.11.05 18:33

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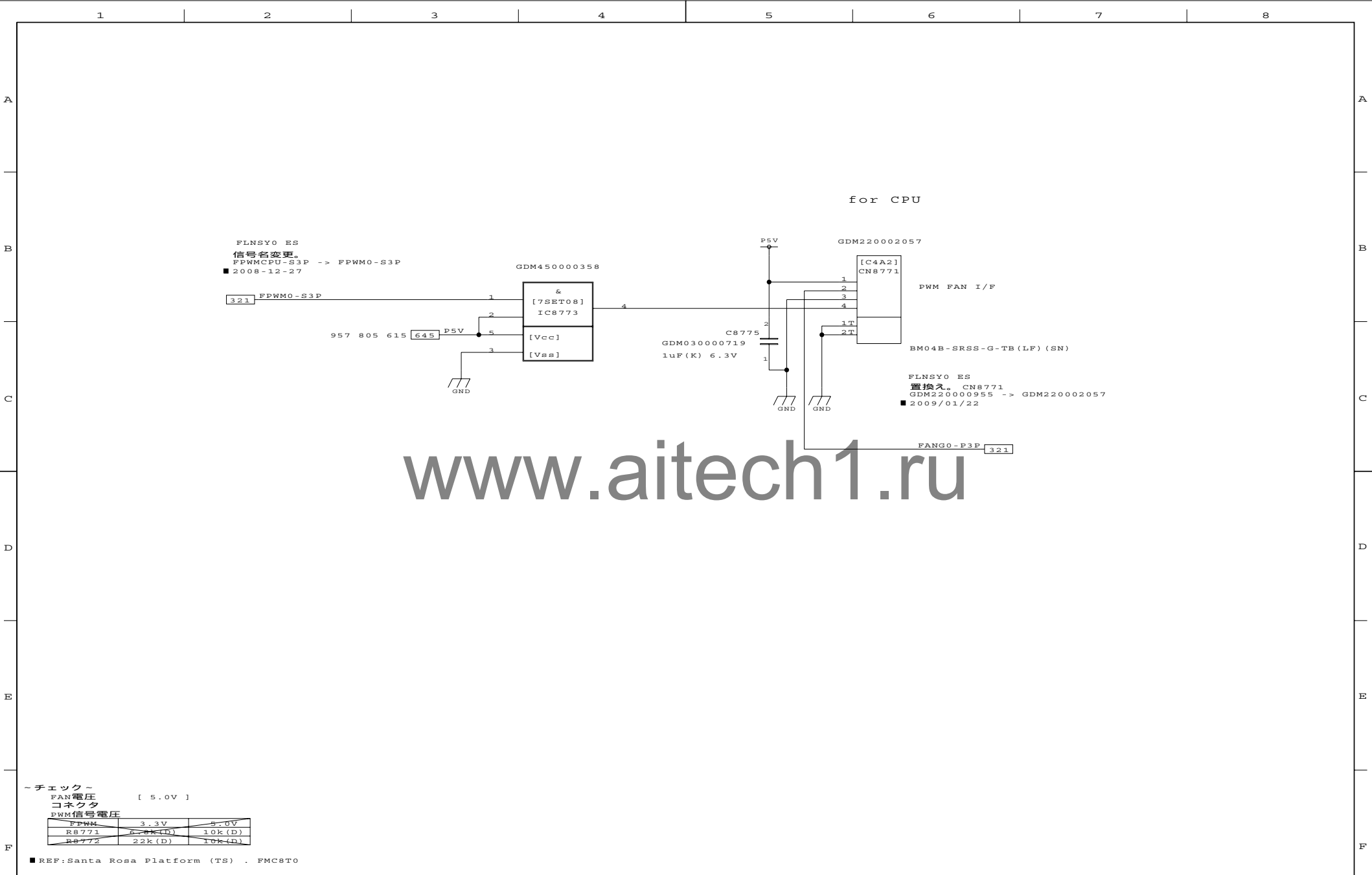
TOSHIBA CORPORATION

Henderson10C-VP
SH.336追加・加速度センサ対応
■ 2009/10/14



Henderson-VP
アナログ GND 分離用ジャンパ削除による信号名変更
■ 2009/10/15

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Senuma	FLESY3	AMP for AXIS	336	064	00	360069893
2009.11.05	18:33	基板へ渡す値				TOSHIBA CORPORATION

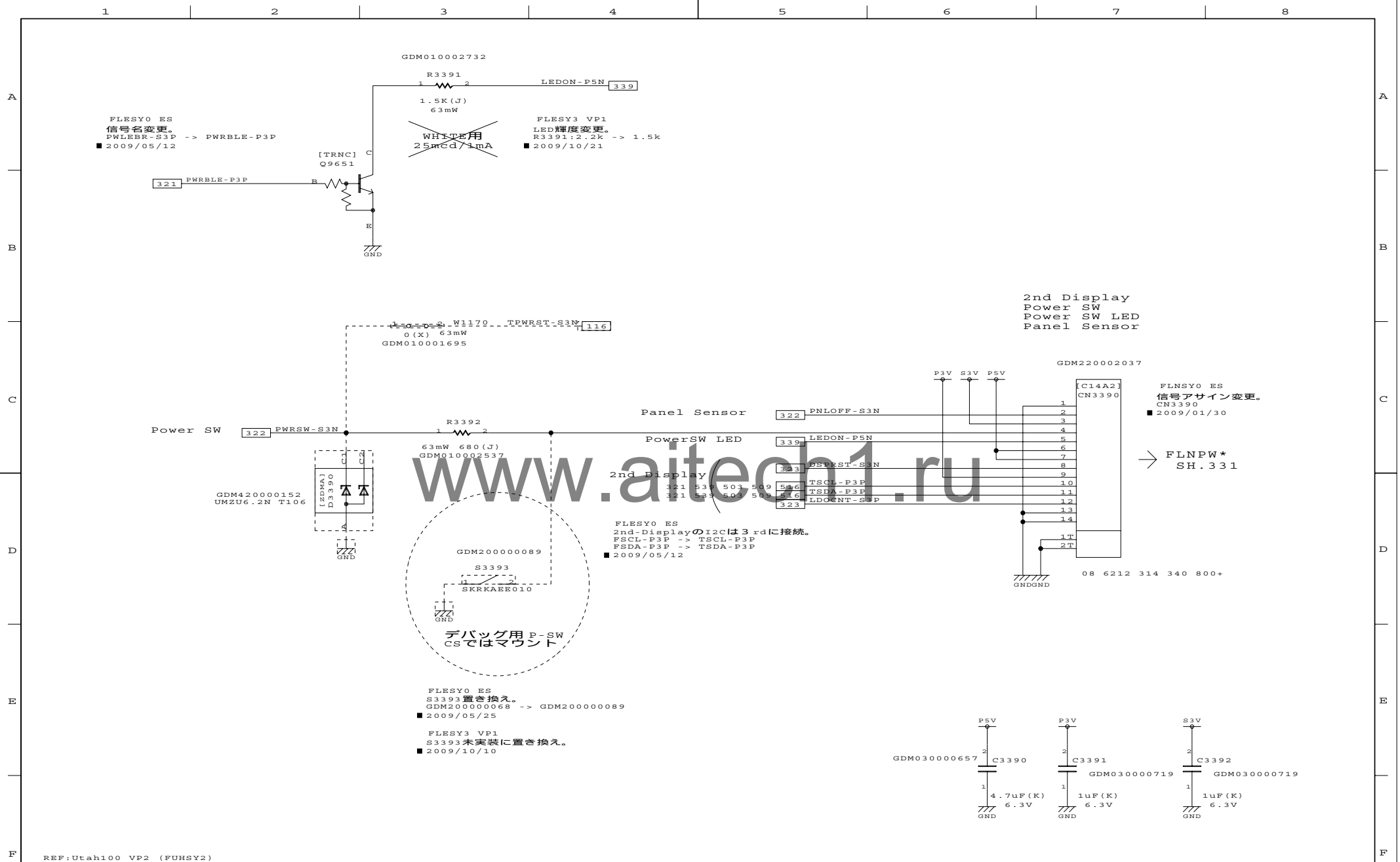


~チェック~
FAN電圧 [5.0V]
コネクタ
PWM信号電圧

FPWM	3.3V	5.0V
R8771	6.2k (D)	10k (D)
R8772	22k (D)	10k (D)

■ REF: Santa Rosa Platform (TS) . FMC8T0

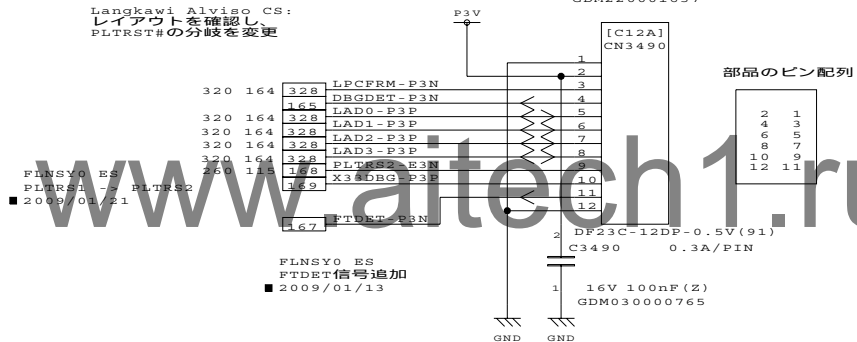
DESIGNED BY Y. Horie	2007/12/25	TITLE FLESY3	FUNCTION [PS] FANVCC (0)	SH. NO. 338	PAGE NO. 065	REV. MARK 00	DRAWING. NO. 360069893
-------------------------	------------	-----------------	-----------------------------	----------------	-----------------	-----------------	---------------------------



Langkawi Alvisio CS
K2202059 からコネクタ変更

Langkawi Alvisio CS:
レイアウトを確認し、
PLTRST#の分岐を変更

GDM220001637



REF:Scottsdale100 CS (FCHSY0)

DESIGNED BY 2008/03/18

K. Senuma

TITLE

FLESY3

FUNCTION

LPC DEBUG I/F

SH.NO.

349

PAGE NO.

067

REV.MARK

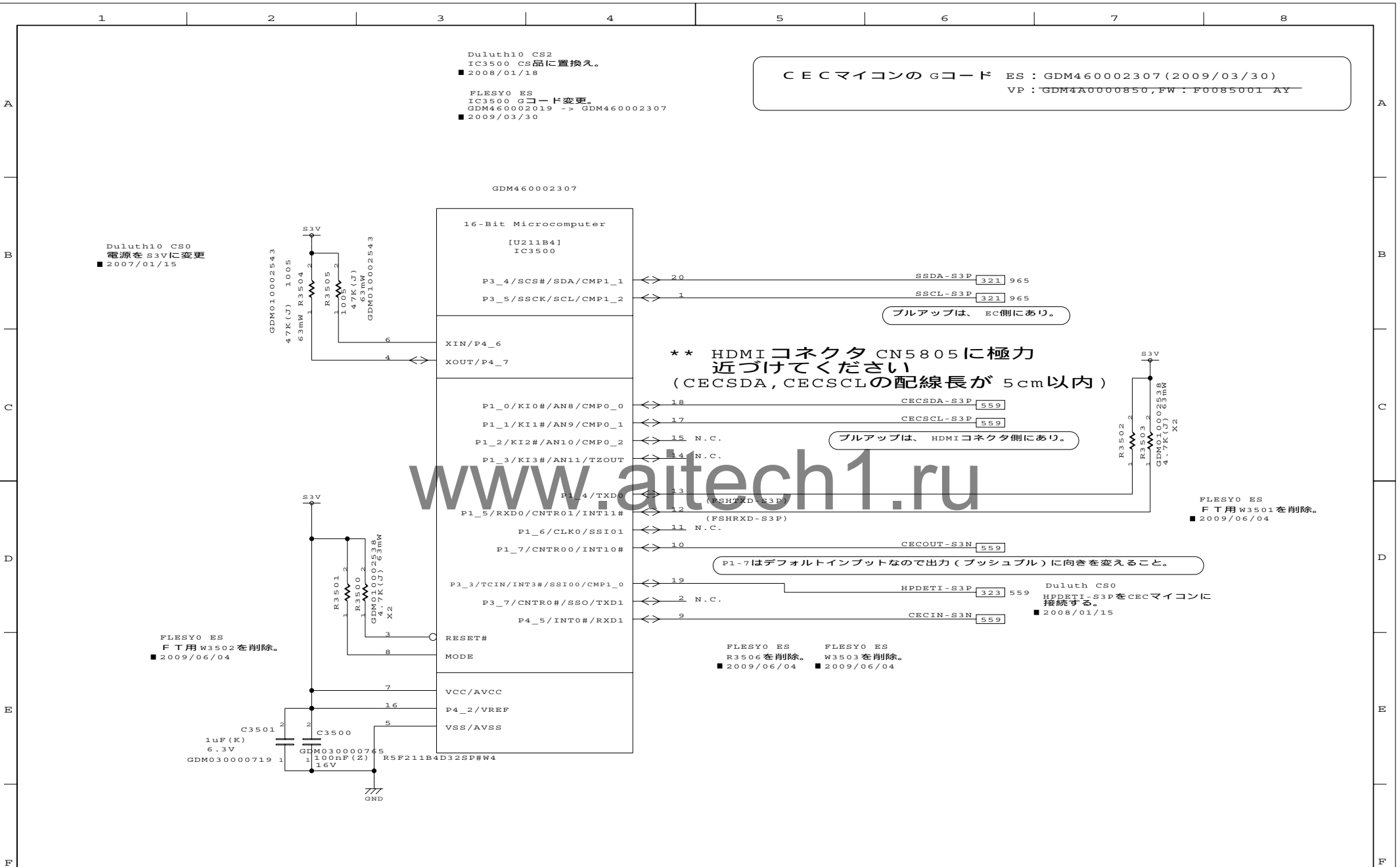
00

DRAWING.NO.

360069893

2009.11.05 18:33

TOSHIBA CORPORATION



DESIGNED BY

K. Senuma

TITLE

FLESY3

FUNCTION

HDMI CEC

SH.NO.

350

PAGE NO.

068

REV.MARK

00

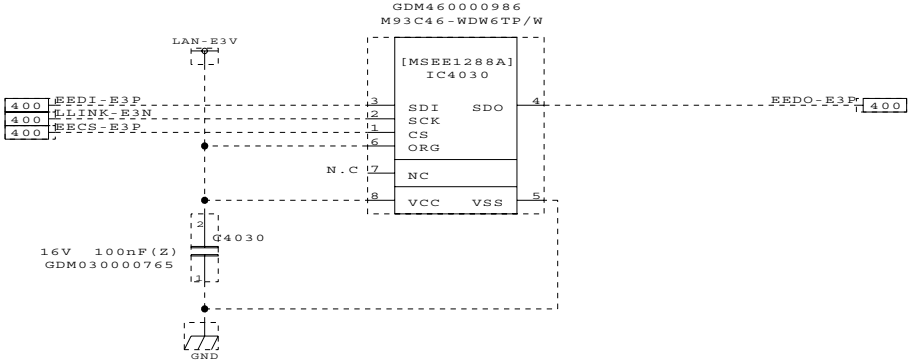
DRAWING.NO.

360069893

2009.11.05 18:33

TOSHIBA CORPORATION

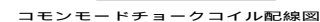
レイアウトについては REALTEK Layout Guideを参照して下さい。



www.aitech1.ru

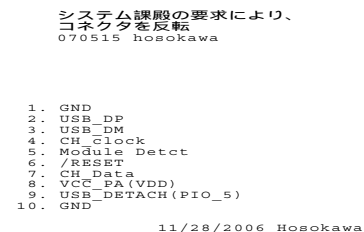
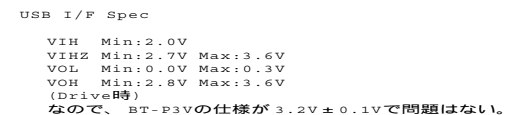
レイアウトについては REALTEK Layout Guideを参照して下さい。

DESIGNED BY	2009/10/20	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Horibe		FLESY3	LAN EEPROM	401	070	00	360069893



レイアウトについては REALTEK Layout Guideを参照して下さい。

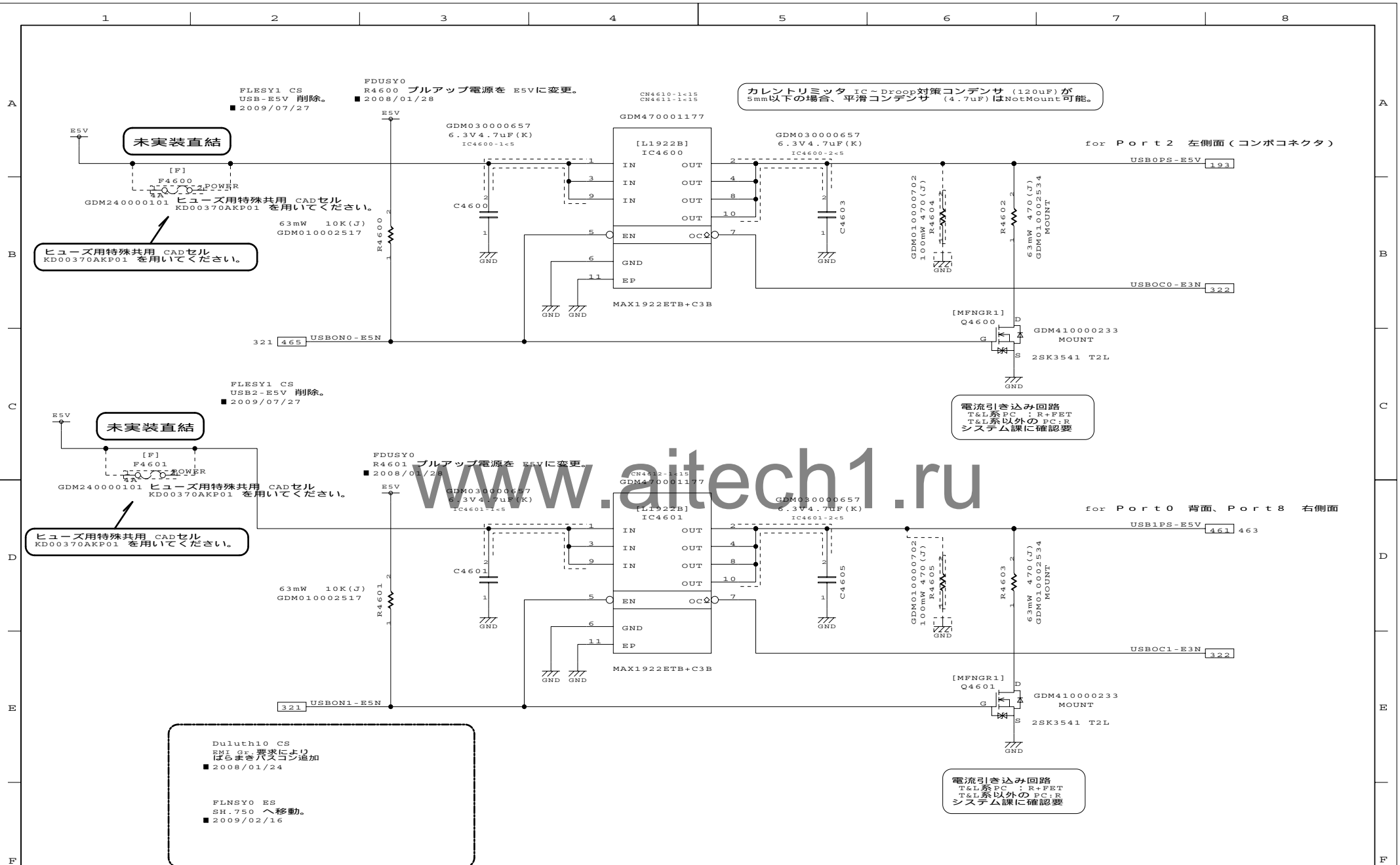
A
B
C
D
E
F



コネクタから 1inch 以内に配置すること。

BTMDL-P3Nのブルアップ抵抗は
ICH4-M側に移動しました

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
T.Hosokawa	FLESY3	Bluetooth2 I/F	444	072	00	360069893



DESIGNED BY 2009/10/20

K. Senuma

TITLE

FLESY3

FUNCTION

USB POWER (1)

SH.NO.

460

PAGE NO.

073

REV.MARK

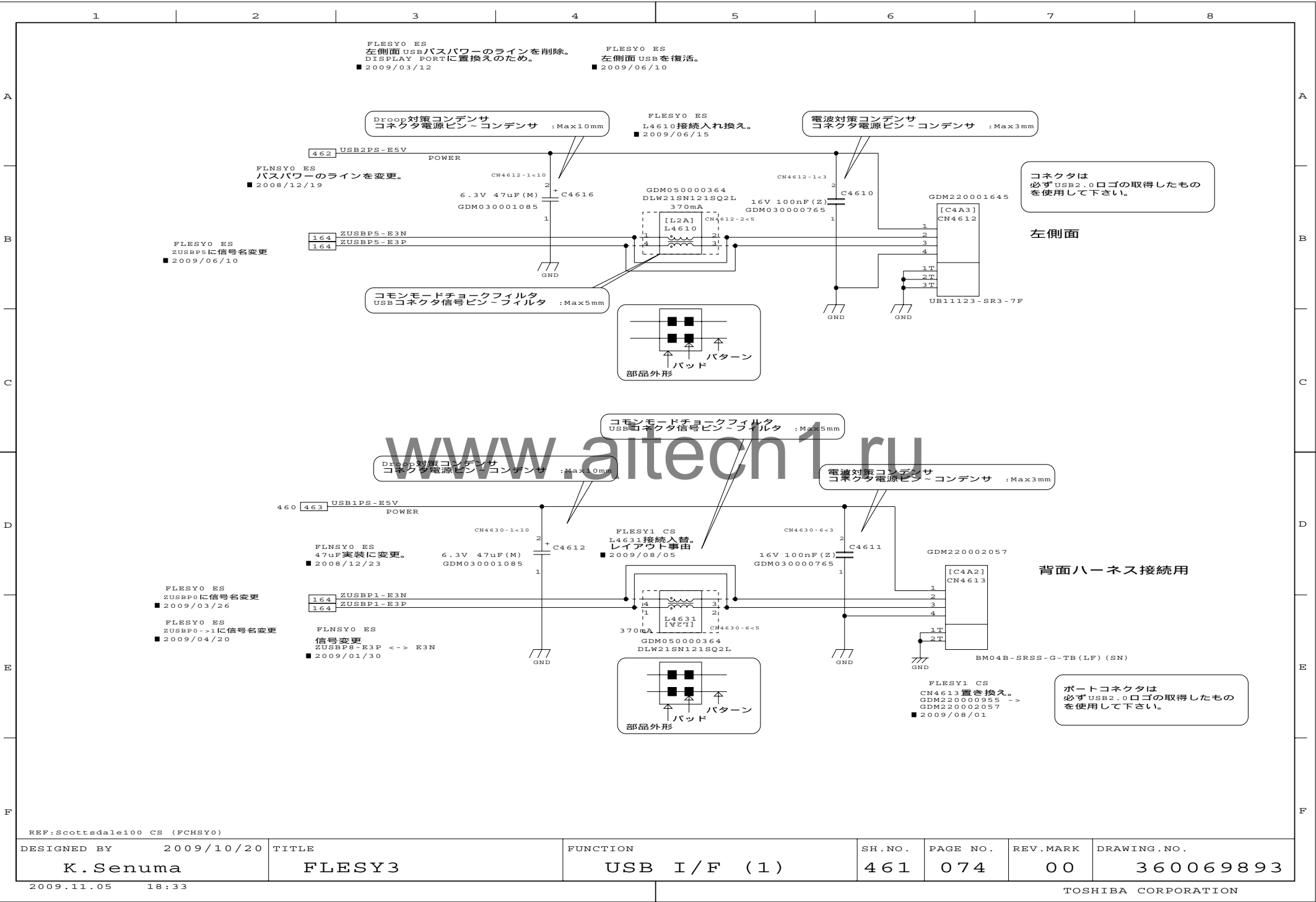
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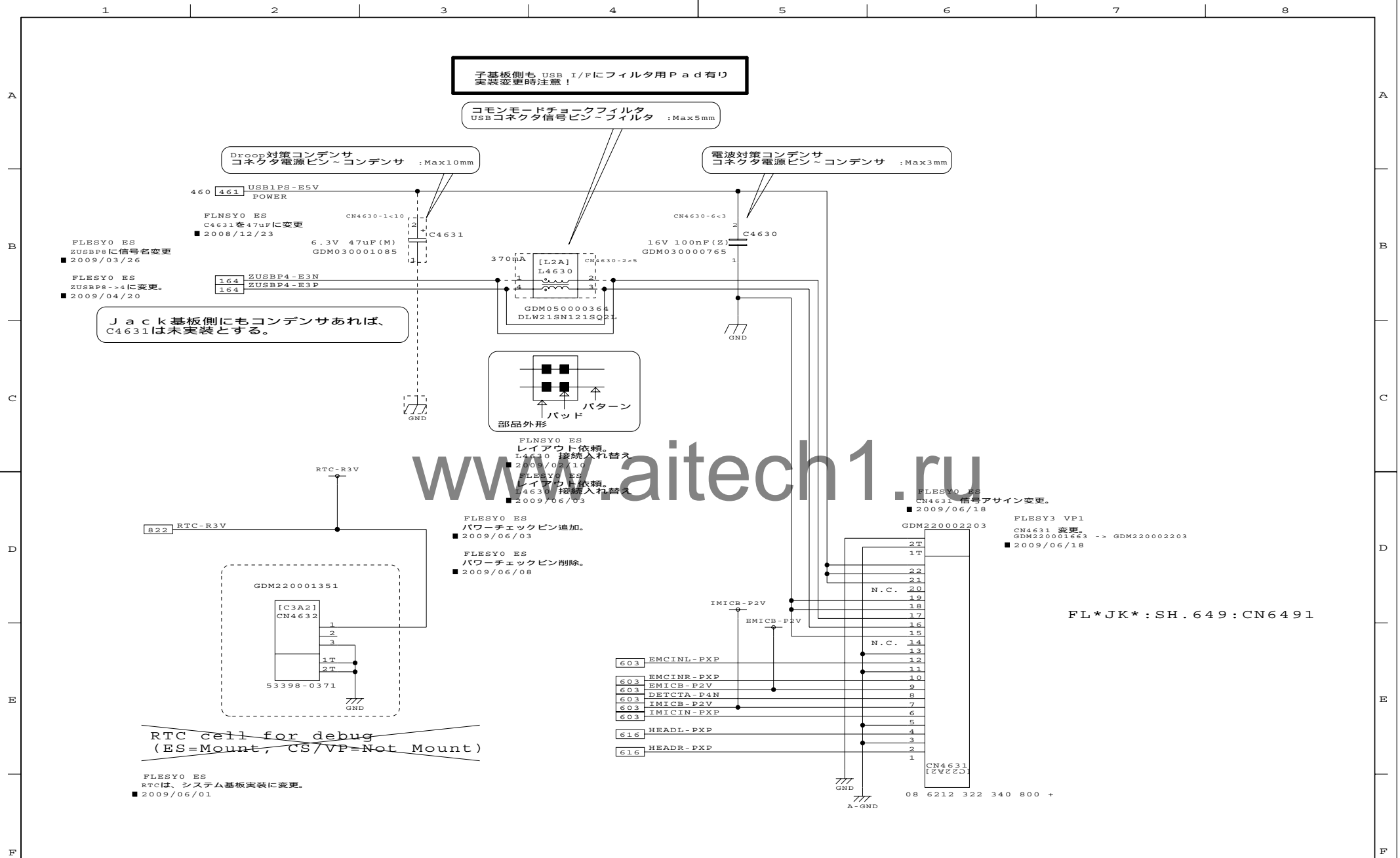
DRAWING.NO.

360069893

2009.11.05 18:33

TOSHIBA CORPORATION





■ REF:Altabadial0 (VP) . FALTS1

DESIGNED BY 2009/10/20

K. Senuma

TITLE

FLESY3

FUNCTION

FL*JK I/F (USB, AUDIO)

SH.NO.

463

PAGE NO.

076

REV.MARK

00

DRAWING.NO.

360069893

2009.11.05 18:33

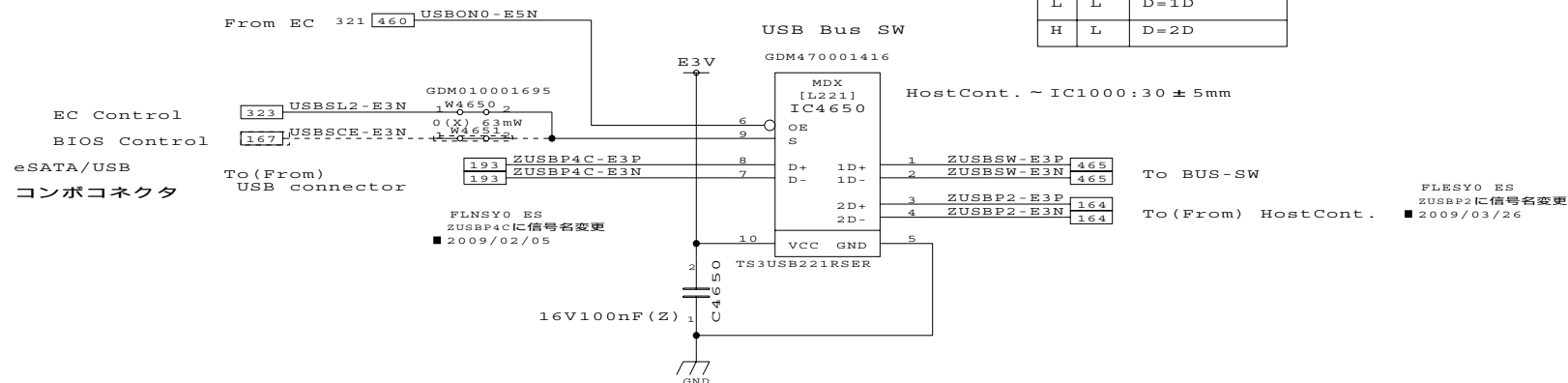
TOSHIBA CORPORATION


```

E3V:SUS 3.3V
E5V:SUS 5V

```

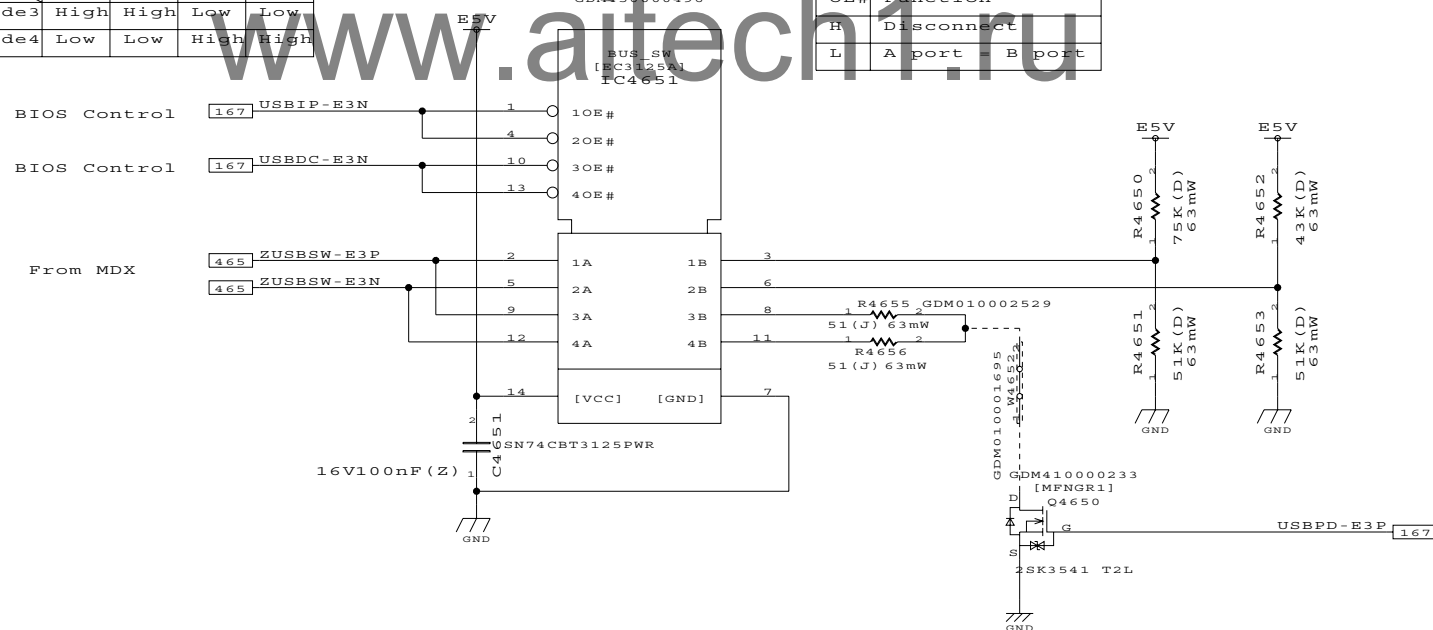
S	OE#	Function
X	H	Disconnect
L	L	D=1D
H	L	D=2D

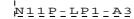


	1OE#	2OE#	3OE#	4OE#
Mode3	High	High	Low	Low
Mode4	Low	Low	High	High

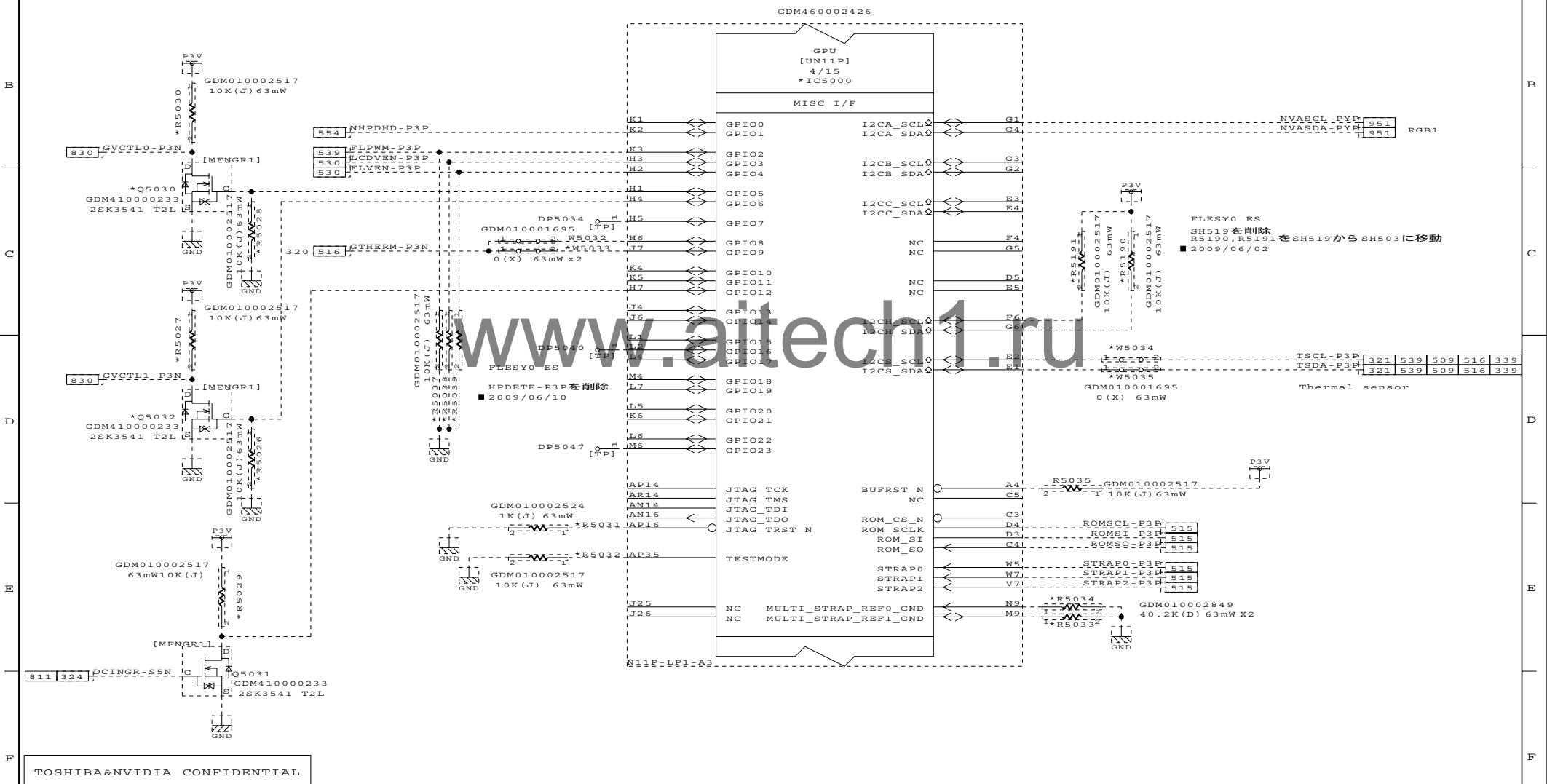
Analog Bus SW
GDM450000496

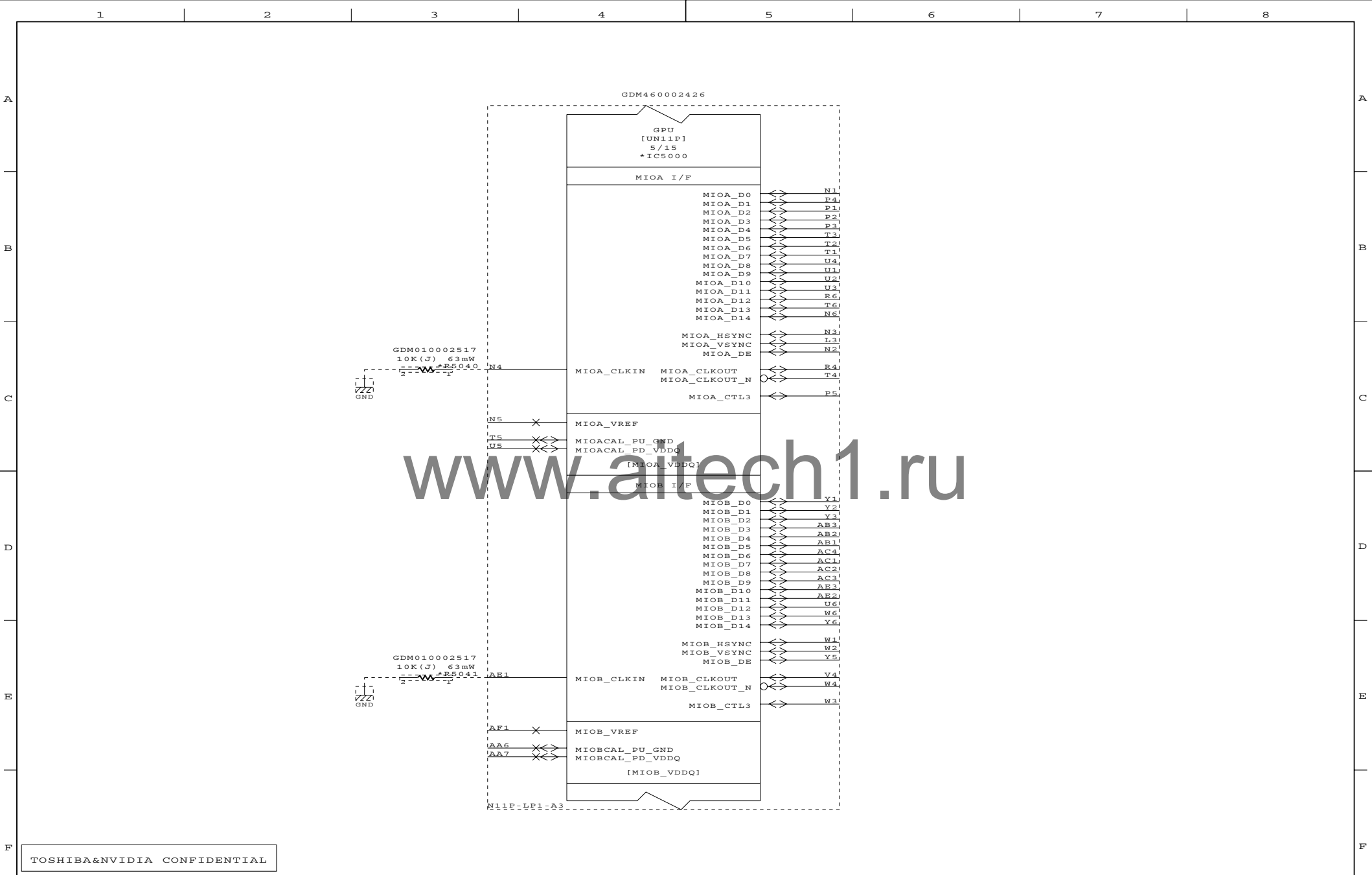
OE#	Function
H	Disconnect
L	A port = B port





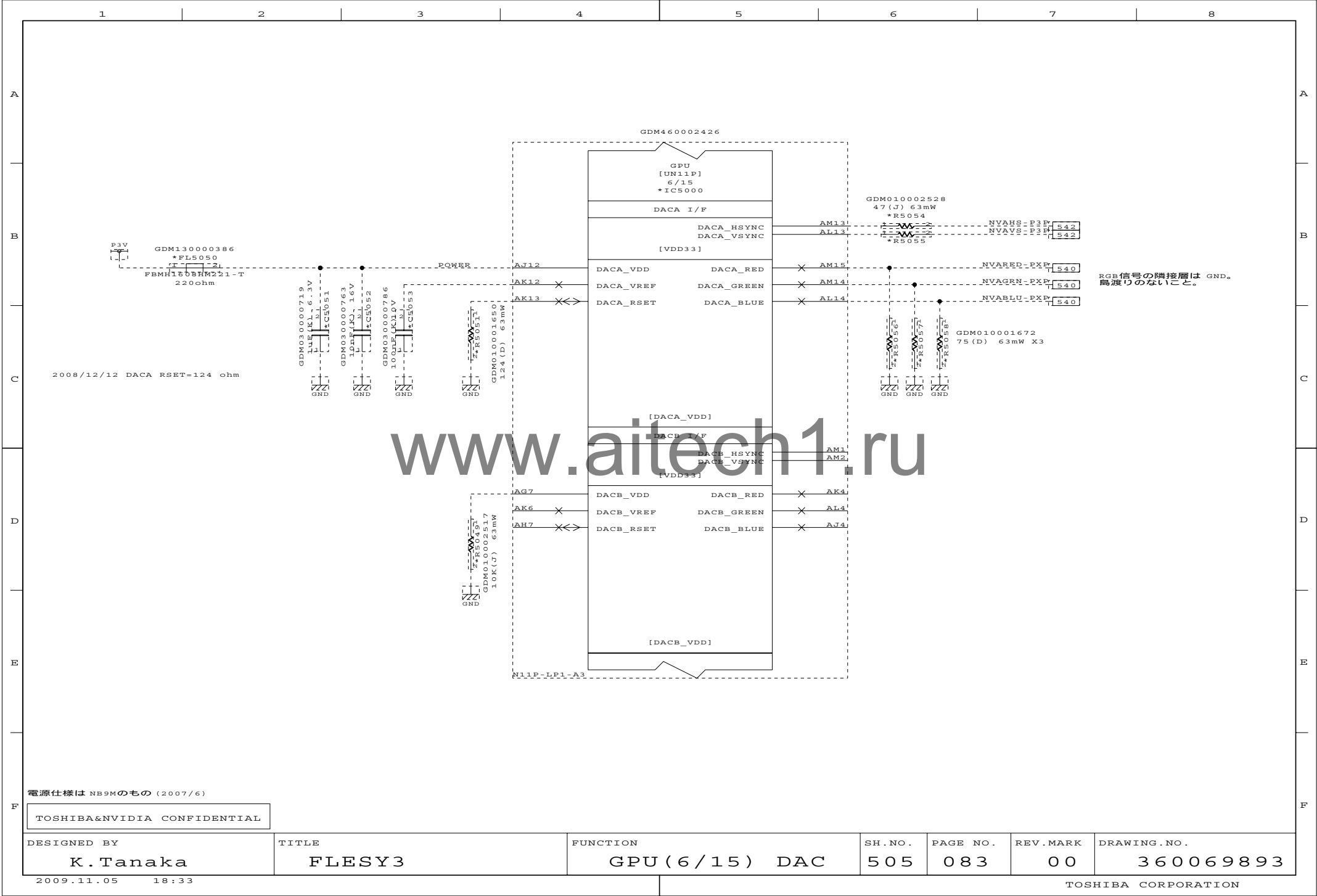
NVVDD (PGV)			
GPIO5	GPIO6	N10M-GS-B	N10P-LP
H	H	(未使用)	(未使用)
L	H	1.00V	(未使用)
H	L	0.85V	0.85V
L	L	0.80V	0.80V



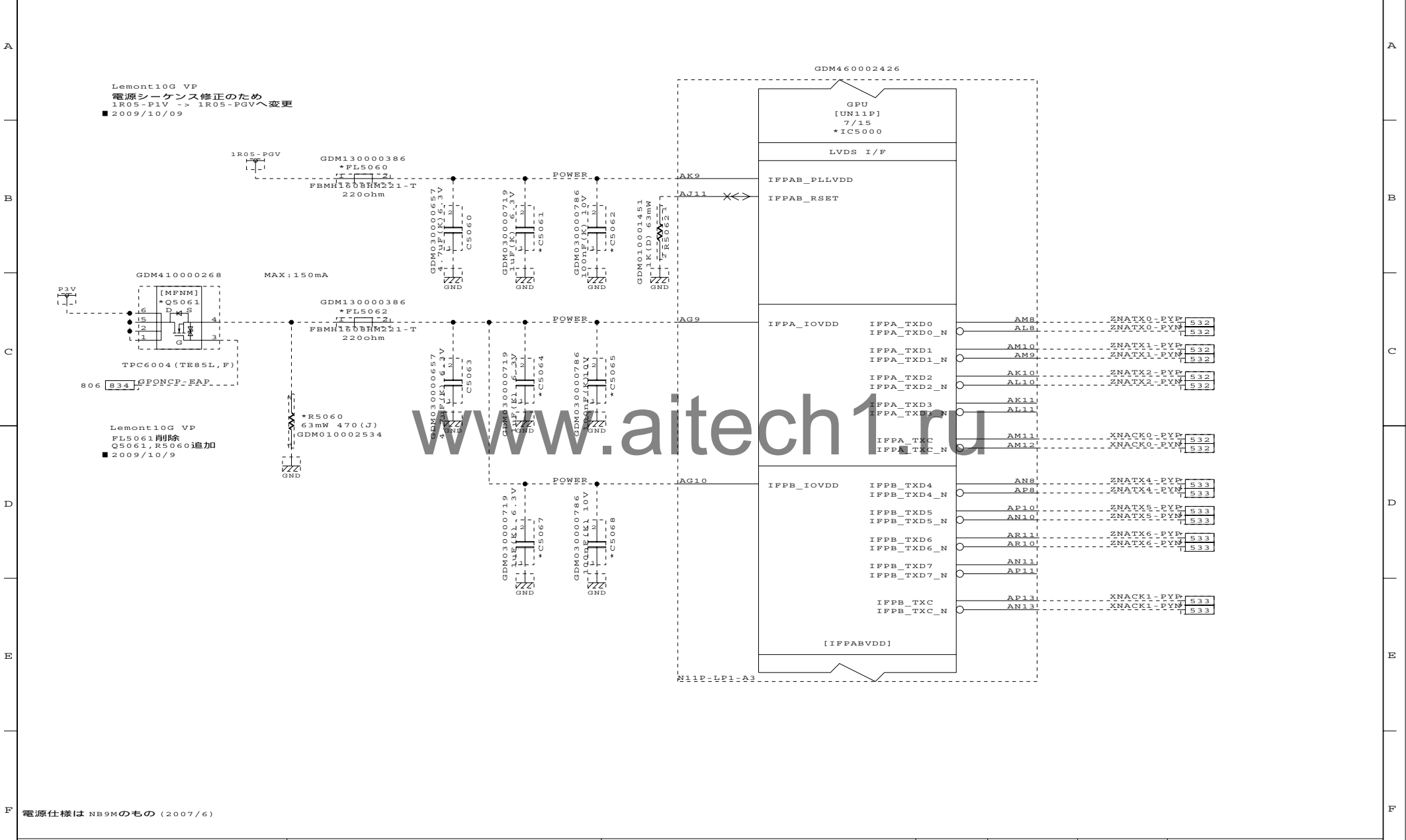


TOSHIBA&NVIDIA CONFIDENTIAL

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Tanaka	FLESY3	GPU (5/15) MIOx	504	082	00	360069893



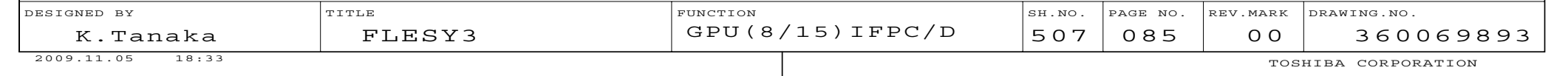
TOSHIBA&NVIDIA CONFIDENTIAL



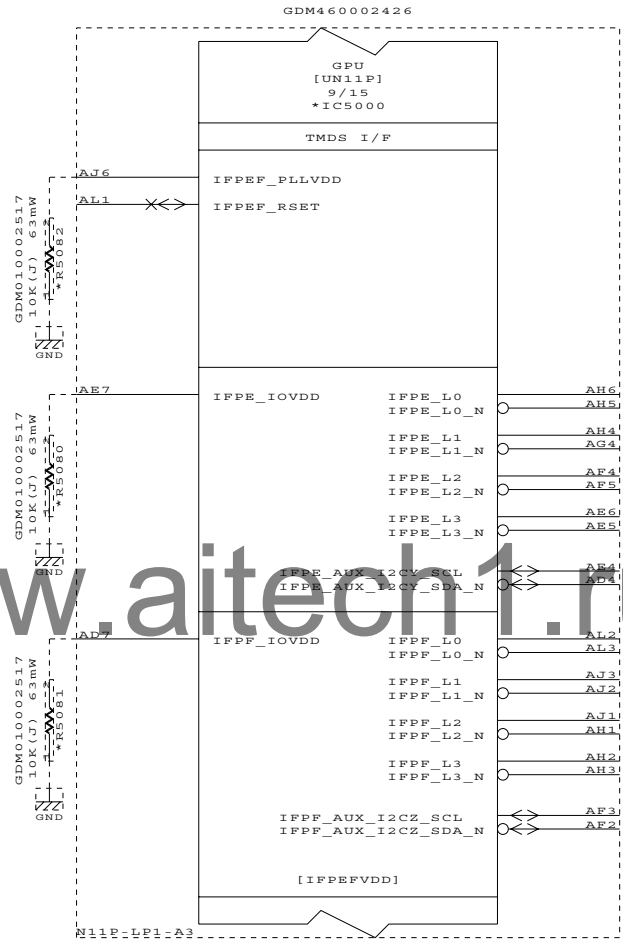
DRAWING . NO .

3 6 0 0 6 9 8 9 3

The schematic diagram illustrates the power and signal connections for the GPU (GDM460002426) on the N11P-LP1-A3 board. The GPU is connected to various power planes (P3V, P3V) and ground planes (GND) through capacitors (C5070, C5071, C5072, C5073, C5074, C5075, C5076, C5077, C5078, C5079, C5080, C5081, C5082, C5083, C5084, C5085, C5086, C5087, C5088, C5089, C5090, C5091, C5092, C5093, C5094, C5095, C5096, C5097, C5098, C5099, C5100, C5101, C5102, C5103, C5104, C5105, C5106, C5107, C5108, C5109, C5110, C5111, C5112, C5113, C5114, C5115, C5116, C5117, C5118, C5119, C5120, C5121, C5122, C5123, C5124, C5125, C5126, C5127, C5128, C5129, C5130, C5131, C5132, C5133, C5134, C5135, C5136, C5137, C5138, C5139, C5140, C5141, C5142, C5143, C5144, C5145, C5146, C5147, C5148, C5149, C5150, C5151, C5152, C5153, C5154, C5155, C5156, C5157, C5158, C5159, C5160, C5161, C5162, C5163, C5164, C5165, C5166, C5167, C5168, C5169, C5170, C5171, C5172, C5173, C5174, C5175, C5176, C5177, C5178, C5179, C5180, C5181, C5182, C5183, C5184, C5185, C5186, C5187, C5188, C5189, C5190, C5191, C5192, C5193, C5194, C5195, C5196, C5197, C5198, C5199, C5200, C5201, C5202, C5203, C5204, C5205, C5206, C5207, C5208, C5209, C5210, C5211, C5212, C5213, C5214, C5215, C5216, C5217, C5218, C5219, C5220, C5221, C5222, C5223, C5224, C5225, C5226, C5227, C5228, C5229, C5230, C5231, C5232, C5233, C5234, C5235, C5236, C5237, C5238, C5239, C5240, C5241, C5242, C5243, C5244, C5245, C5246, C5247, C5248, C5249, C5250, C5251, C5252, C5253, C5254, C5255, C5256, C5257, C5258, C5259, C5260, C5261, C5262, C5263, C5264, C5265, C5266, C5267, C5268, C5269, C5270, C5271, C5272, C5273, C5274, C5275, C5276, C5277, C5278, C5279, C5280, C5281, C5282, C5283, C5284, C5285, C5286, C5287, C5288, C5289, C5290, C5291, C5292, C5293, C5294, C5295, C5296, C5297, C5298, C5299, C5300, C5301, C5302, C5303, C5304, C5305, C5306, C5307, C5308, C5309, C5310, C5311, C5312, C5313, C5314, C5315, C5316, C5317, C5318, C5319, C5320, C5321, C5322, C5323, C5324, C5325, C5326, C5327, C5328, C5329, C5330, C5331, C5332, C5333, C5334, C5335, C5336, C5337, C5338, C5339, C5340, C5341, C5342, C5343, C5344, C5345, C5346, C5347, C5348, C5349, C5350, C5351, C5352, C5353, C5354, C5355, C5356, C5357, C5358, C5359, C5360, C5361, C5362, C5363, C5364, C5365, C5366, C5367, C5368, C5369, C5370, C5371, C5372, C5373, C5374, C5375, C5376, C5377, C5378, C5379, C5380, C5381, C5382, C5383, C5384, C5385, C5386, C5387, C5388, C5389, C5390, C5391, C5392, C5393, C5394, C5395, C5396, C5397, C5398, C5399, C5400, C5401, C5402, C5403, C5404, C5405, C5406, C5407, C5408, C5409, C5410, C5411, C5412, C5413, C5414, C5415, C5416, C5417, C5418, C5419, C5420, C5421, C5422, C5423, C5424, C5425, C5426, C5427, C5428, C5429, C5430, C5431, C5432, C5433, C5434, C5435, C5436, C5437, C5438, C5439, C5440, C5441, C5442, C5443, C5444, C5445, C5446, C5447, C5448, C5449, C5450, C5451, C5452, C5453, C5454, C5455, C5456, C5457, C5458, C5459, C5460, C5461, C5462, C5463, C5464, C5465, C5466, C5467, C5468, C5469, C5470, C5471, C5472, C5473, C5474, C5475, C5476, C5477, C5478, C5479, C5480, C5481, C5482, C5483, C5484, C5485, C5486, C5487, C5488, C5489, C5490, C5491, C5492, C5493, C5494, C5495, C5496, C5497, C5498, C5499, C5500, C5501, C5502, C5503, C5504, C5505, C5506, C5507, C5508, C5509, C5510, C5511, C5512, C5513, C5514, C5515, C5516, C5517, C5518, C5519, C5520, C5521, C5522, C5523, C5524, C5525, C5526, C5527, C5528, C5529, C5530, C5531, C5532, C5533, C5534, C5535, C5536, C5537, C5538, C5539, C5540, C5541, C5542, C5543, C5544, C5545, C5546, C5547, C5548, C5549, C5550, C5551, C5552, C5553, C5554, C5555, C5556, C5557, C5558, C5559, C5560, C5561, C5562, C5563, C5564, C5565, C5566, C5567, C5568, C5569, C5570, C5571, C5572, C5573, C5574, C5575, C5576, C5577, C5578, C5579, C5580, C5581, C5582, C5583, C5584, C5585, C5586, C5587, C5588, C5589, C5590, C5591, C5592, C5593, C5594, C5595, C5596, C5597, C5598, C5599, C5600, C5601, C5602, C5603, C5604, C5605, C5606, C5607, C5608, C5609, C5610, C5611, C5612, C5613, C5614, C5615, C5616, C5617, C5618, C5619, C5620, C5621, C5622, C5623, C5624, C5625, C5626, C5627, C5628, C5629, C5630, C5631, C5632, C5633, C5634, C5635, C5636, C5637, C5638, C5639, C5640, C5641, C5642, C5643, C5644, C5645, C5646, C5647, C5648, C5649, C5650, C5651, C5652, C5653, C5654, C5655, C5656, C5657, C5658, C5659, C5660, C5661, C5662, C5663, C5664, C5665, C5666, C5667, C5668, C5669, C5670, C5671, C5672, C5673, C5674, C5675, C5676, C5677, C5678, C5679, C5680, C5681, C5682, C5683, C5684, C5685, C5686, C5687, C5688, C5689, C5690, C5691, C5692, C5693, C5694, C5695, C5696, C5697, C5698, C5699, C5700, C5701, C5702, C5703, C5704, C5705, C5706, C5707, C5708, C5709, C5710, C5711, C5712, C5713, C5714, C5715, C5716, C5717, C5718, C5719, C5720, C5721, C572

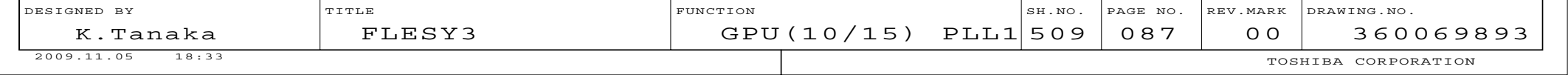


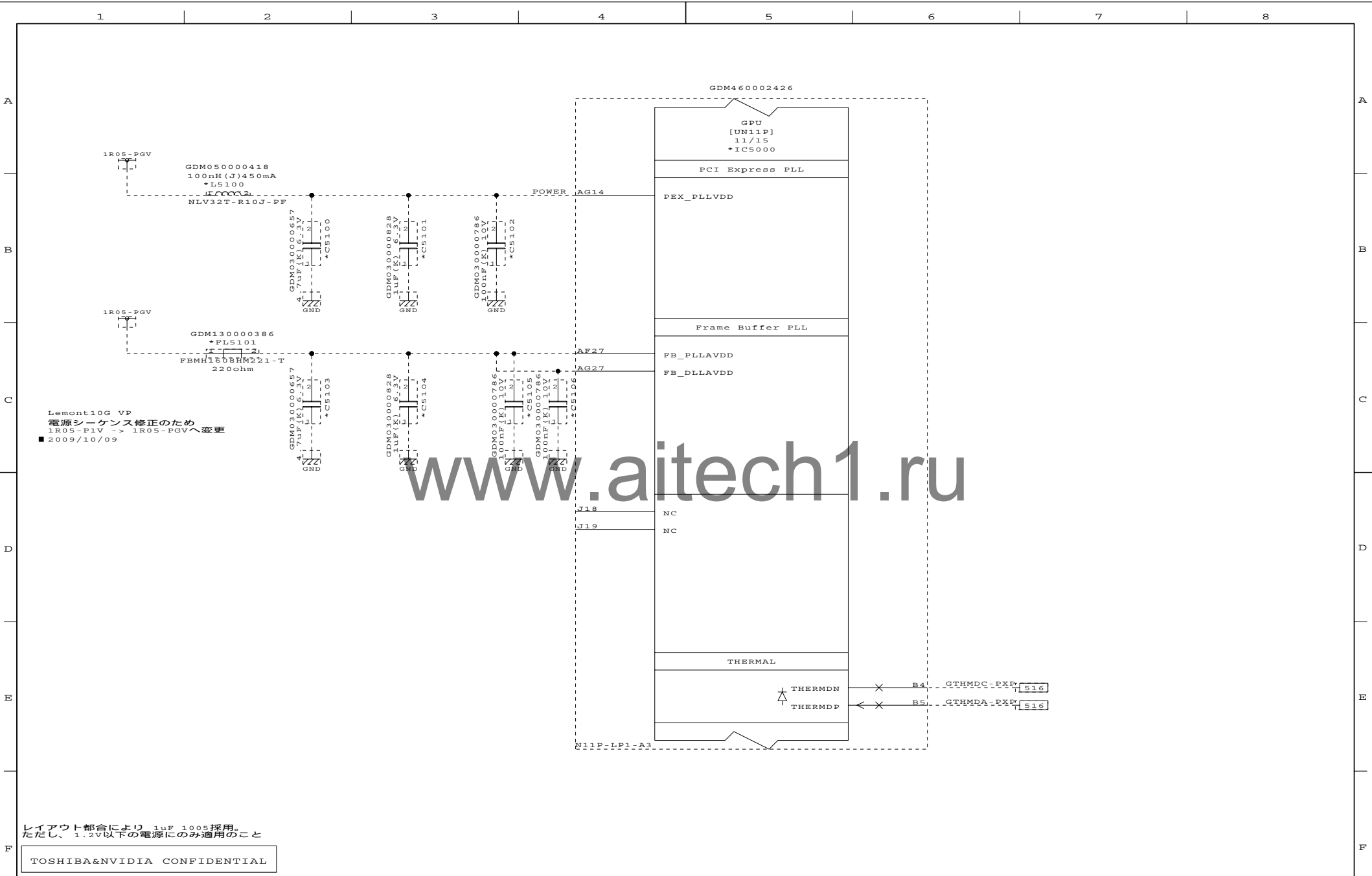
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FLESY0 ES
DisplayPort 回路削除
■ 2009/06/10

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Tanaka	FLESY3	GPU (9/15) TMDS E/F	508	086	00	360069893

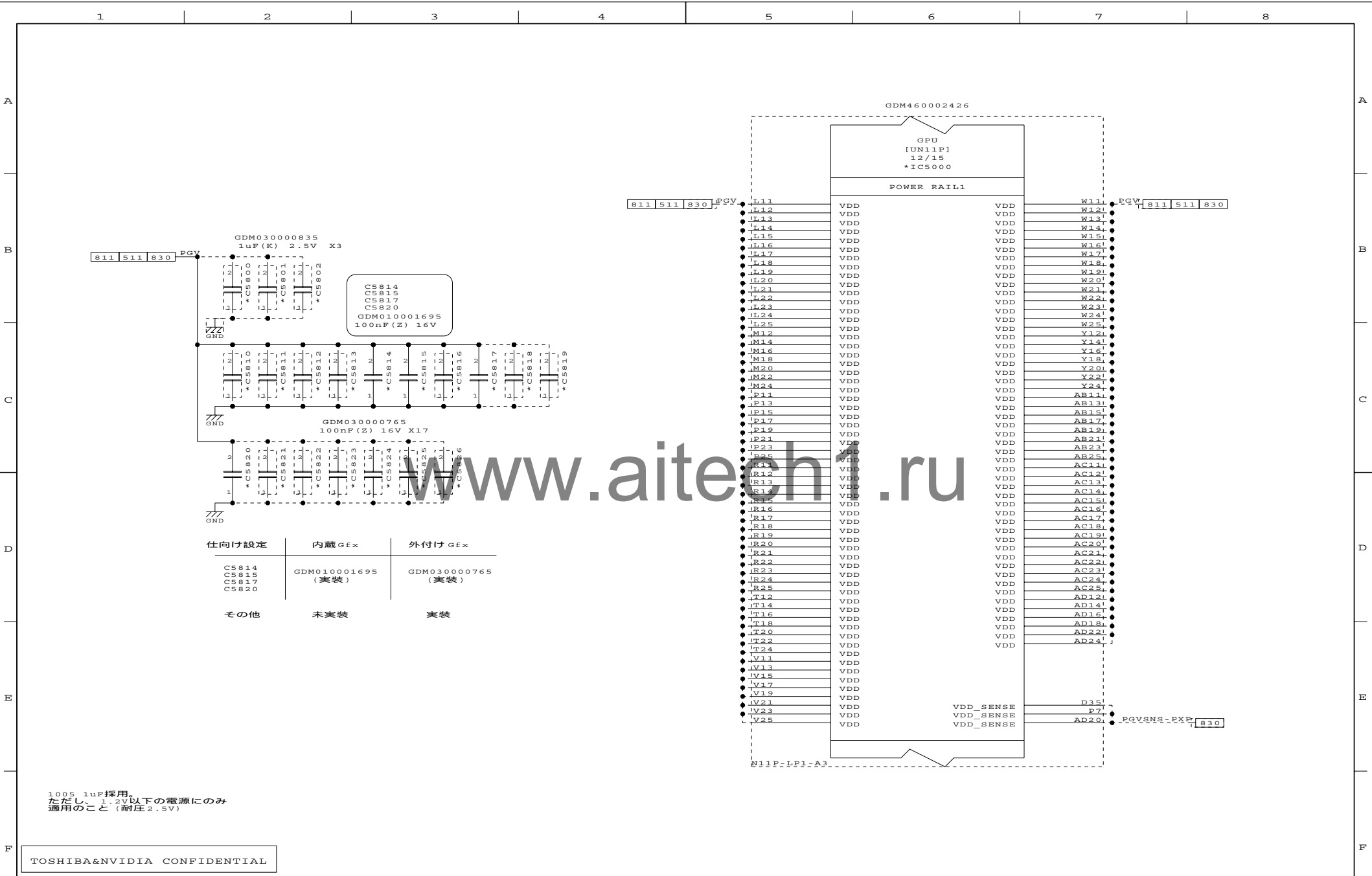


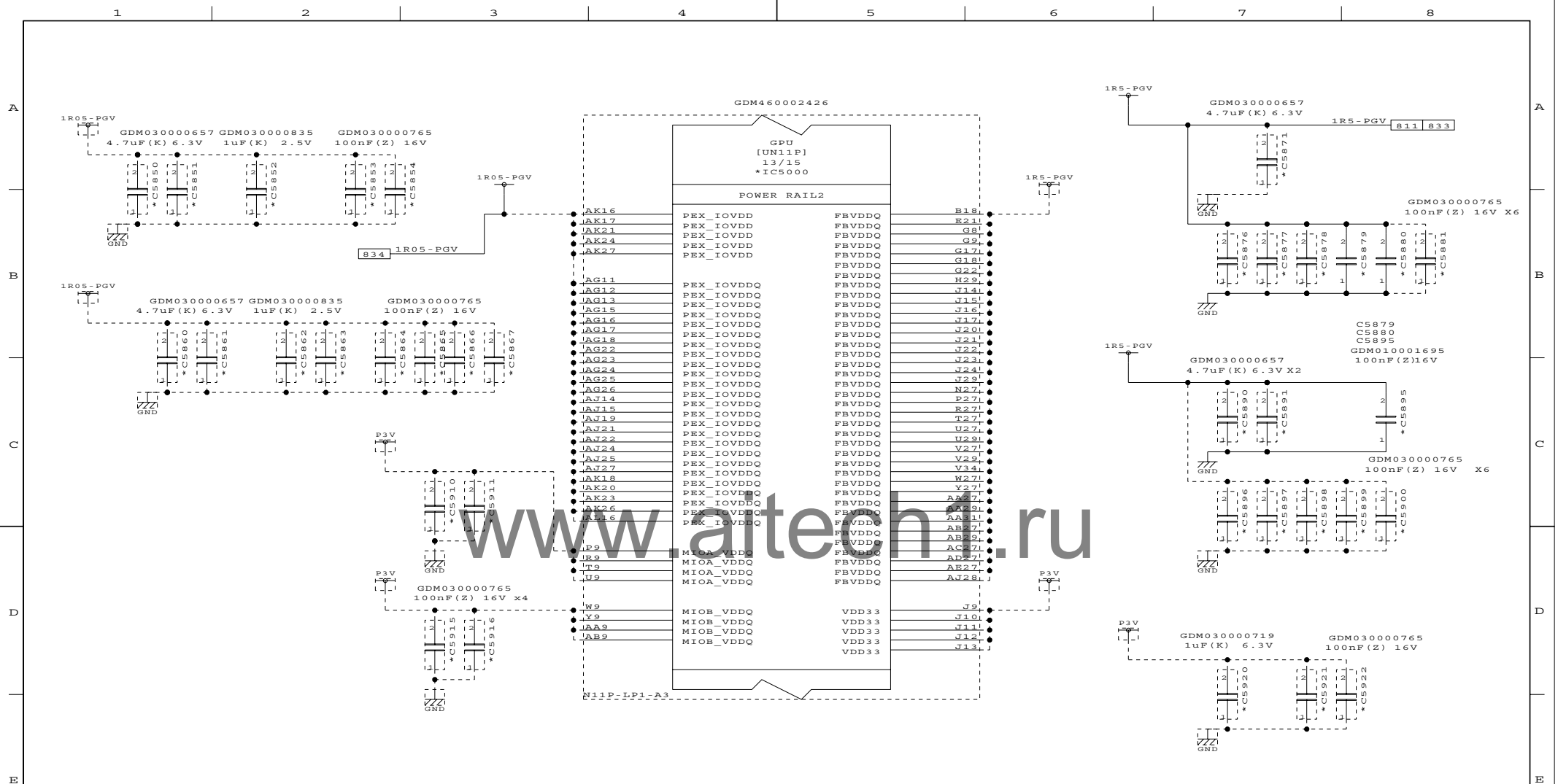


レイアウト都合により、1uF 1005採用。
ただし、1.2V以下の電源にのみ適用のこと

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DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Tanaka	FLESY3	GPU (11/15) PLL2	510	088	00	360069893





1005 1uF採用。
ただし、1.2V以下の電源にのみ
適用のこと（耐圧2.5V）

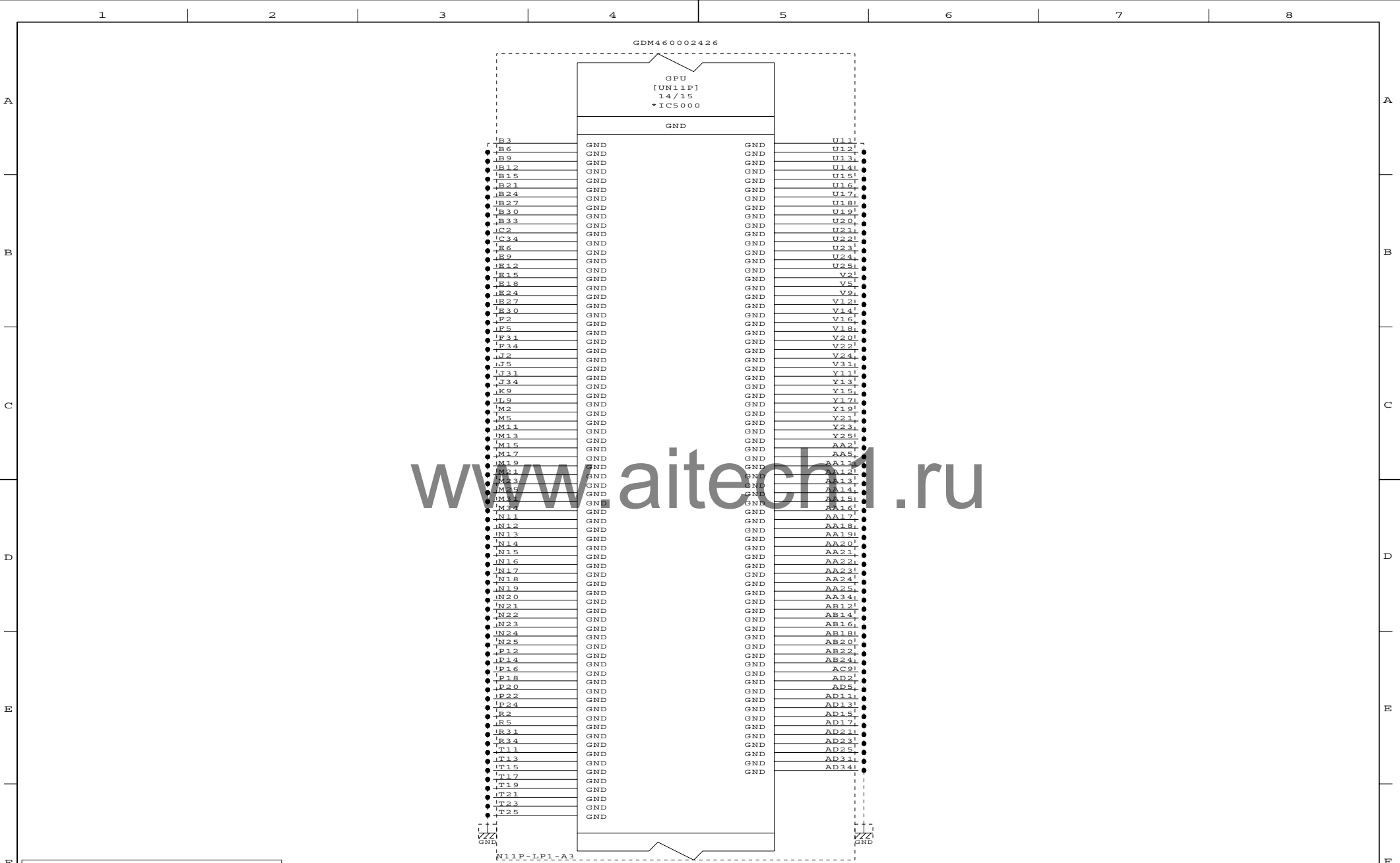
TOSHIBA&NVIDIA CONFIDENTIAL

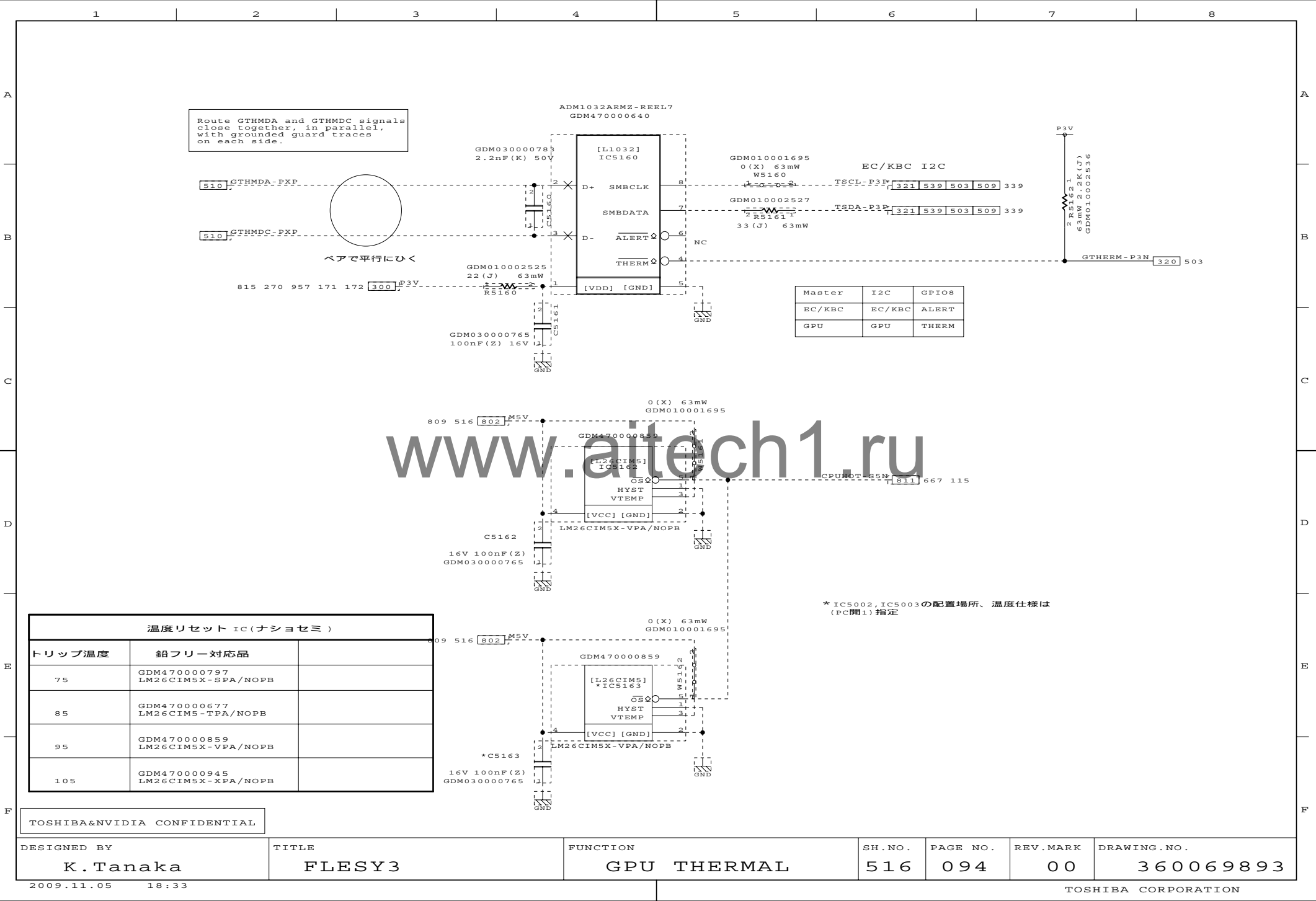
DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K. Tanaka	FLESY3	GPU (13/15) PS2	512	090	00	360069893

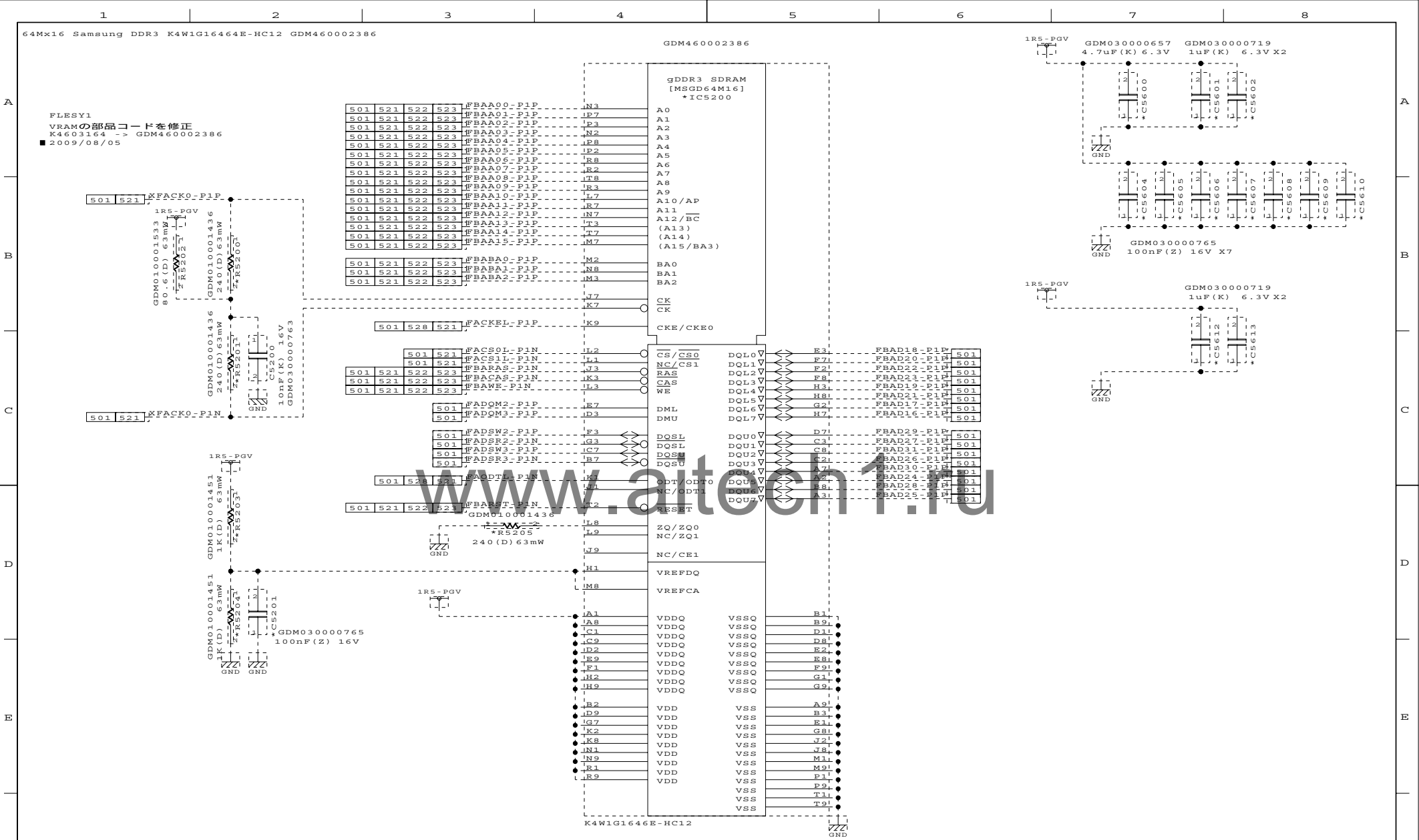
2009.11.05 18:33

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仕向け設定	内蔵 Gfx	外付け Gfx
C5879 C5880 C5895	GDM010001695 (実装)	GDM030000765 (実装)
その他	未実装	実装







ピンサインについて
DM : 0-3 の範囲で入れ替え可能 (SH520, 521にまたがる)
DQS : 0-3 の範囲で入れ替え可能 (SH520, 521にまたがる)
DQ : 0-31 の範囲で入れ替え可能 (SH520, 521にまたがる)

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DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Tanaka	FLESY3	SDRAM (1/8)	520	095	00	360069893

2009.11.05 18:33

ピンアサインについて

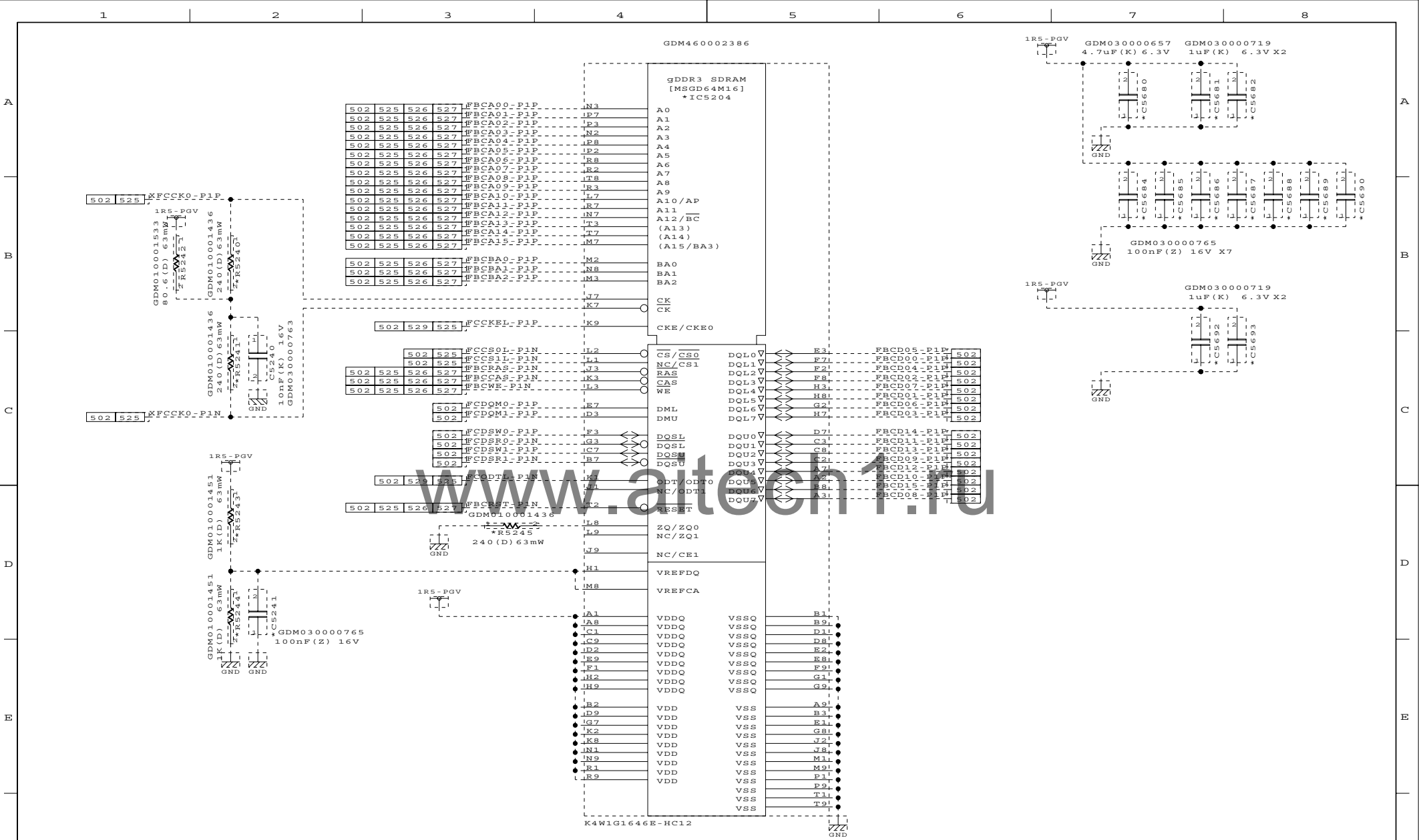
DM : 0-3 の範囲で入れ替え可能	(SH520,521にまたがる)
DQS : 0-3 の範囲で入れ替え可能	(SH520,521にまたがる)
DQ : 0-31 の範囲で入れ替え可能	(SH520,521にまたがる)

DESIGNED BY	TITLE	FUNCTION	SH. NO.	PAGE NO.	REV. MARK	DRAWING. NO.
K. Tanaka	FLESY3	SDRAM (2 / 8)	521	096	00	360069893

DM : 4-7 の範囲で入れ替え可能 (SH522, 523 にまたがる)
 DQS : 4-7 の範囲で入れ替え可能 (SH522, 523 にまたがる)
 DQ : 32-63 の範囲で入れ替え可能 (SH522, 523 にまたがる)

DM : 4-7 の範囲で入れ替え可能 (SH522, 523 にまたがる)
 DQS : 4-7 の範囲で入れ替え可能 (SH522, 523 にまたがる)
 DQ : 32-63 の範囲で入れ替え可能 (SH522, 523 にまたがる)

2009.11.05	18:33	TOSHIBA CORPORATION
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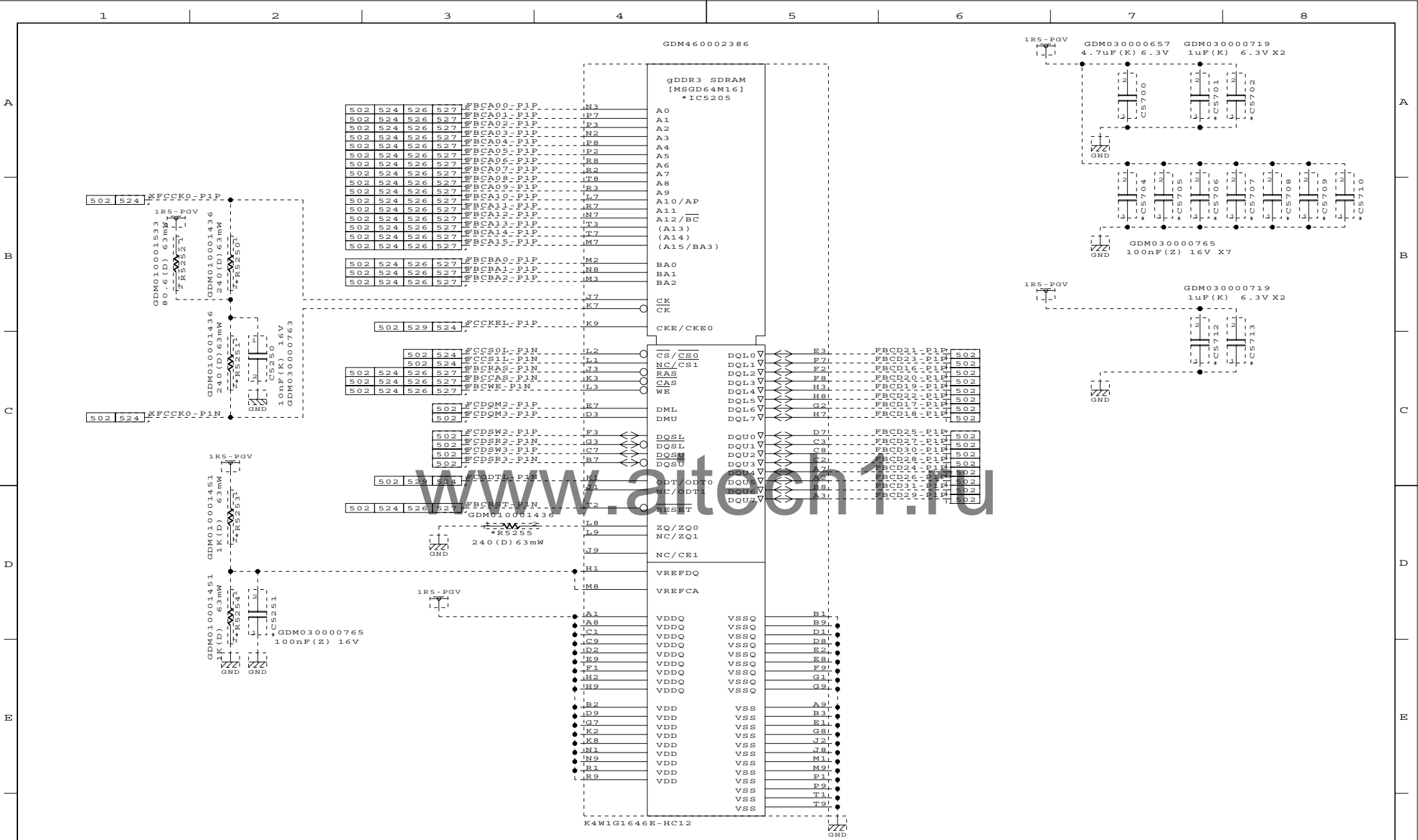


TOSHIBA&NVIDIA CONFIDENTIAL

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Tanaka	FLESY3	SDRAM (5/8)	524	099	00	360069893

2009.11.05 18:33

ピンアサインについて
DM : 0-3 の範囲で入れ替え可能 (SH524, 525 にまたがる)
DQS : 0-3 の範囲で入れ替え可能 (SH524, 525 にまたがる)
DQ : 0-31 の範囲で入れ替え可能 (SH524, 525 にまたがる)

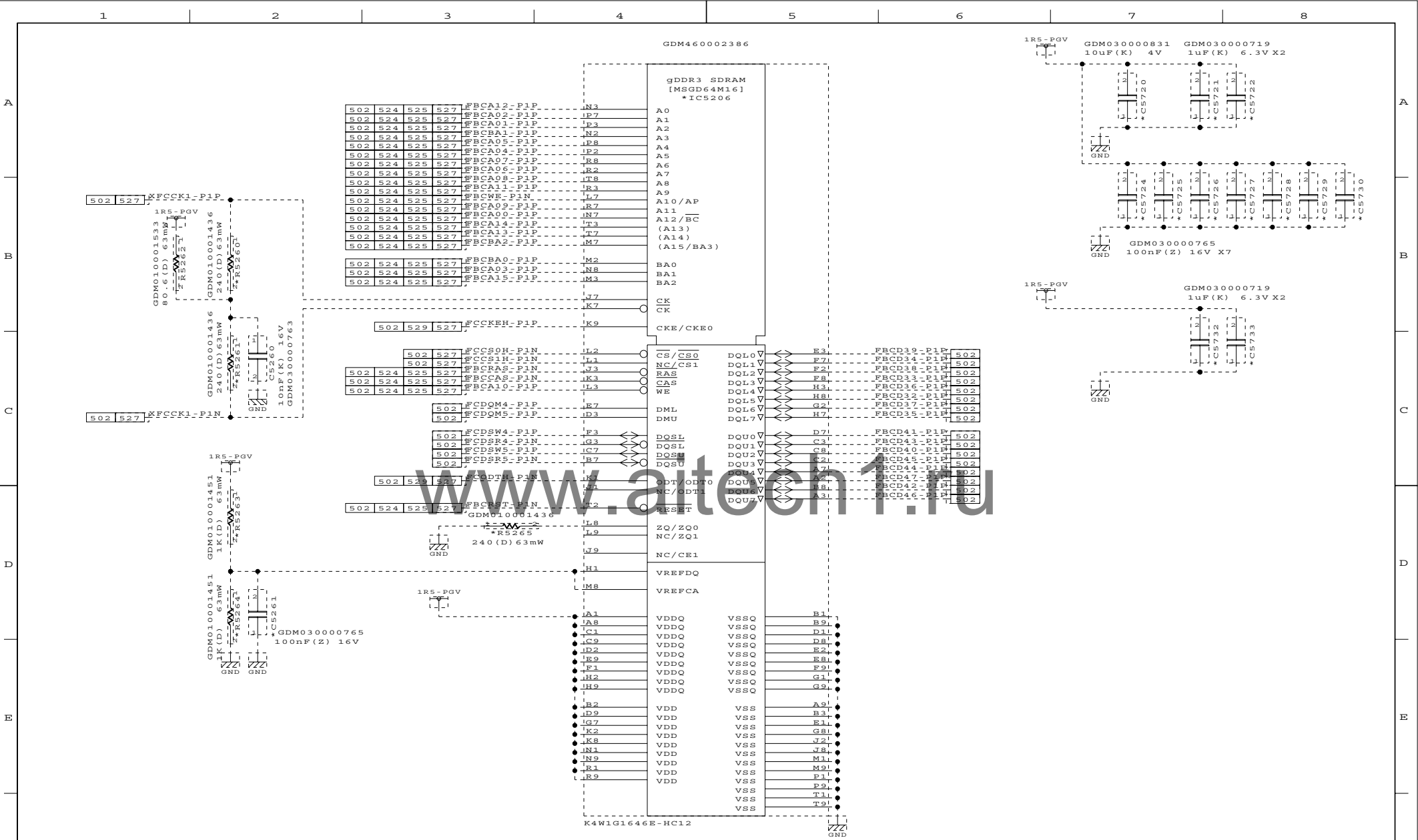


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DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Tanaka	FLESY3	SDRAM (6/8)	525	100	00	360069893

2009.11.05 18:33

ピンアサインについて
DM : 0-3 の範囲で入れ替え可能 (SH524, 525 にまたがる)
DQS : 0-3 の範囲で入れ替え可能 (SH524, 525 にまたがる)
DQ : 0-31 の範囲で入れ替え可能 (SH524, 525 にまたがる)



ピンアサインについて
DM : 0-3 の範囲で入れ替え可能 (SH526, 527 にまたがる)
DQS : 0-3 の範囲で入れ替え可能 (SH526, 527 にまたがる)
DQ : 0-31 の範囲で入れ替え可能 (SH526, 527 にまたがる)

TOSHIBA&NVIDIA CONFIDENTIAL

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Tanaka	FLESY3	SDRAM (7/8)	526	101	00	360069893

ピンサインについて

DM : 0-3 の範囲で入れ替え可能	(SH526, 527 にまたがる)
DQS : 0-3 の範囲で入れ替え可能	(SH526, 527 にまたがる)
DQ : 0-31 の範囲で入れ替え可能	(SH526, 527 にまたがる)

DESIGNED BY	TITLE	FUNCTION	SH. NO.	PAGE NO.	REV. MARK	DRAWING. NO.
K. Tanaka	FLESY3	SDRAM (8 / 8)	527	102	00	360069893

12345678

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A

A

B

B

C

C

D

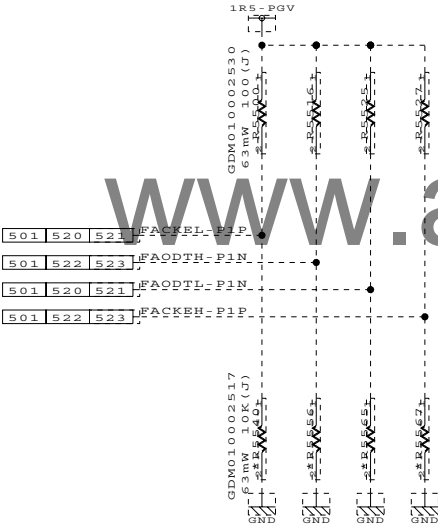
D

E

E

F

F



*Termination is not needed.
*RST/ODT/CKE need 10k PD.

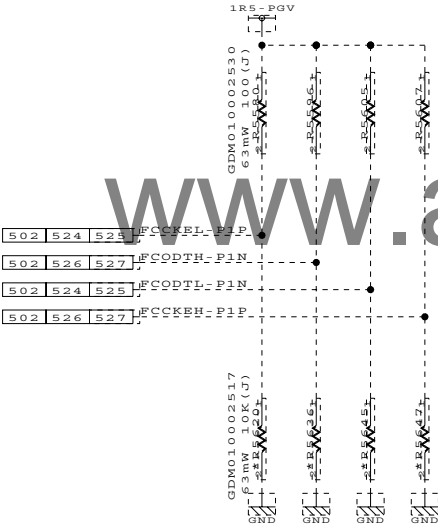
www.aitech1.ru

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Tanaka	FLESY3	FBA command	528	103	00	360069893

12345678

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DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Tanaka	FLESY3	FBC command	529	104	00	360069893
2009.11.05	18:33					TOSHIBA CORPORATION

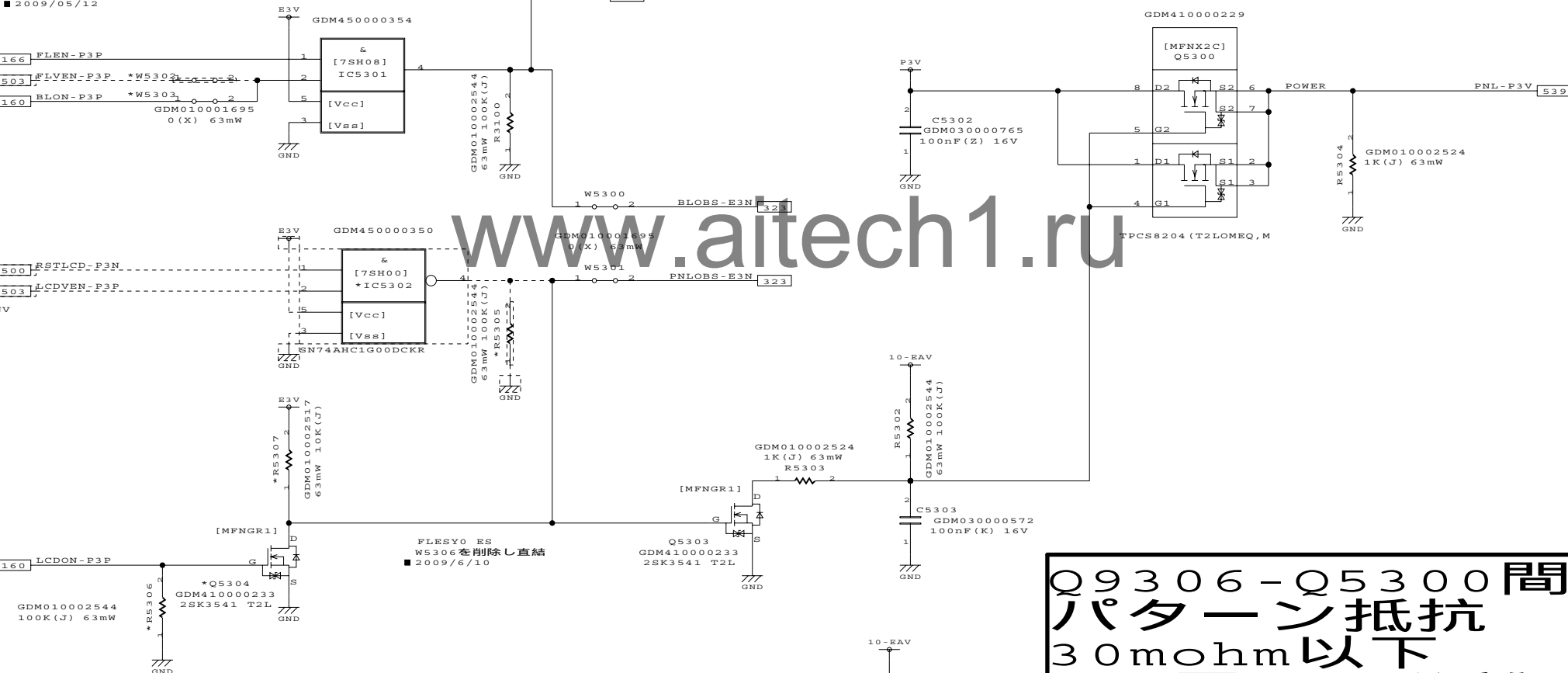
仕向け設定 | 内蔵Gfx

仕向け設定	内蔵 Gx	外付け Gx	仕向け設定	LEDバックライト	FLインバータ
W5302 IC5302 R5305	未実装	実装	IC5301	GDM450000354 AND	GDM450000350 NAND
W5303 R5306 R5307 Q5304	実装	未実装	C5301	GDM010001702 1608ジャンパ	GDM030000572 1608コンデンサ
			C5300 Q5302 R5300 R5301 FL5300	未実装	実装

■ 2009/10/15

■ 2009/05/12

LED 駆動 IC5301をANDにする



Q9306-Q5300間
パターン抵抗
30mohm以下
HDD電源と分離

T.Naruse

FLESY3

LCD PS

530

105

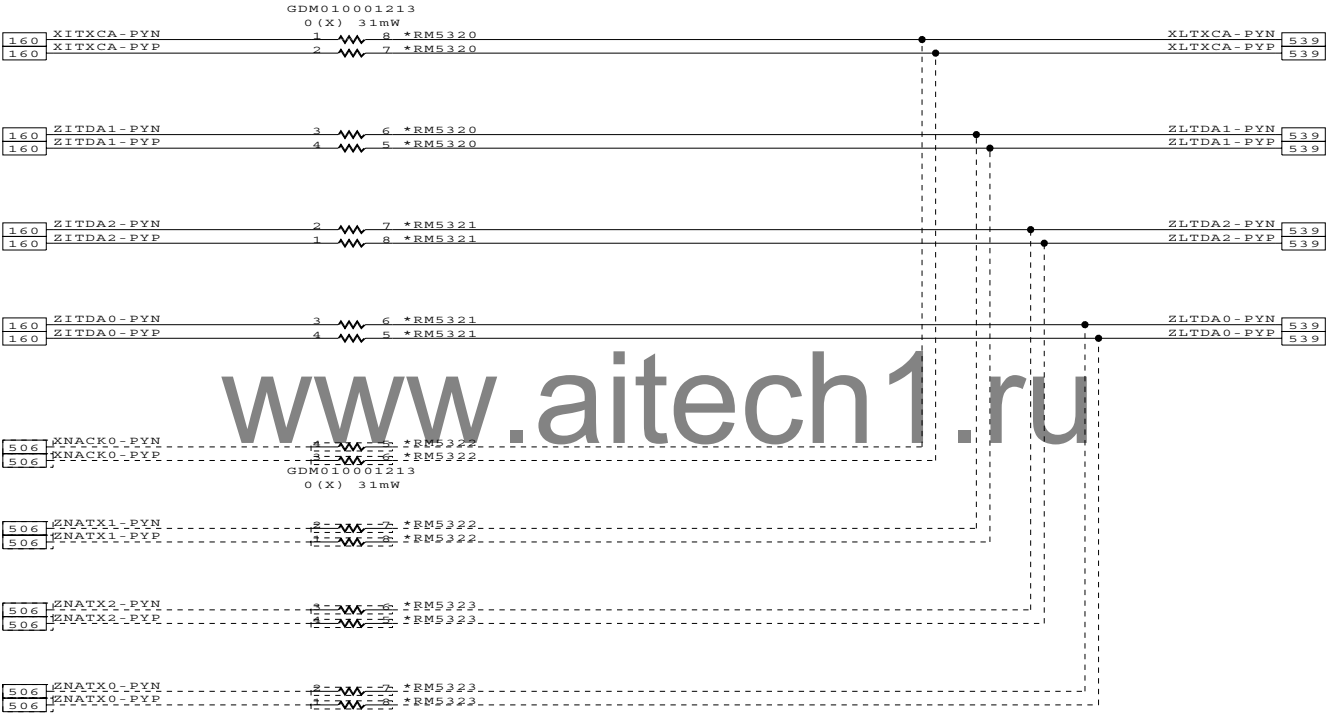
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3	6	0	0	6	9	8	9	3
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2009.11.05 18:33

12345678

仕向け設定有り



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REF:Lemont-C(tentative-1021) . fcalto

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
T.Naruse	FLESY3	LVDS A	532	106	00	360069893

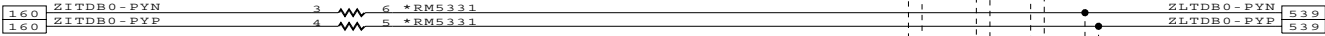
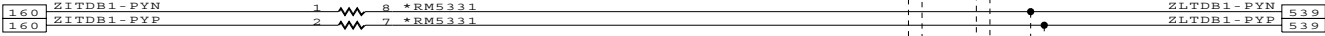
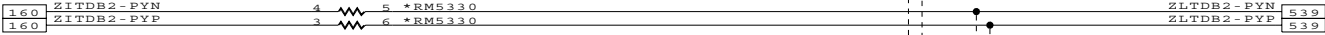
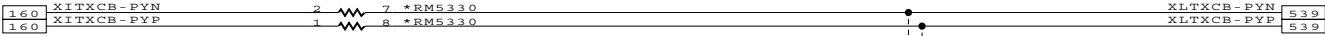
2009.11.05 18:33

TOSHIBA CORPORATION

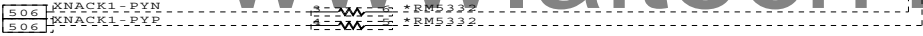
12345678

仕向け設定有り

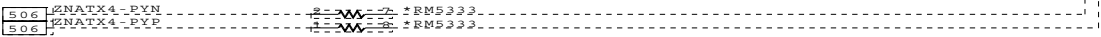
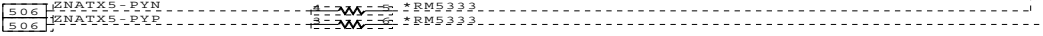
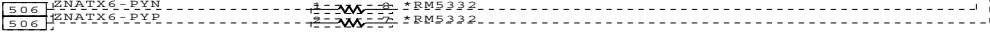
GDM010001213
0 (X) 31mW



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GDM010001213
0 (X) 31mW



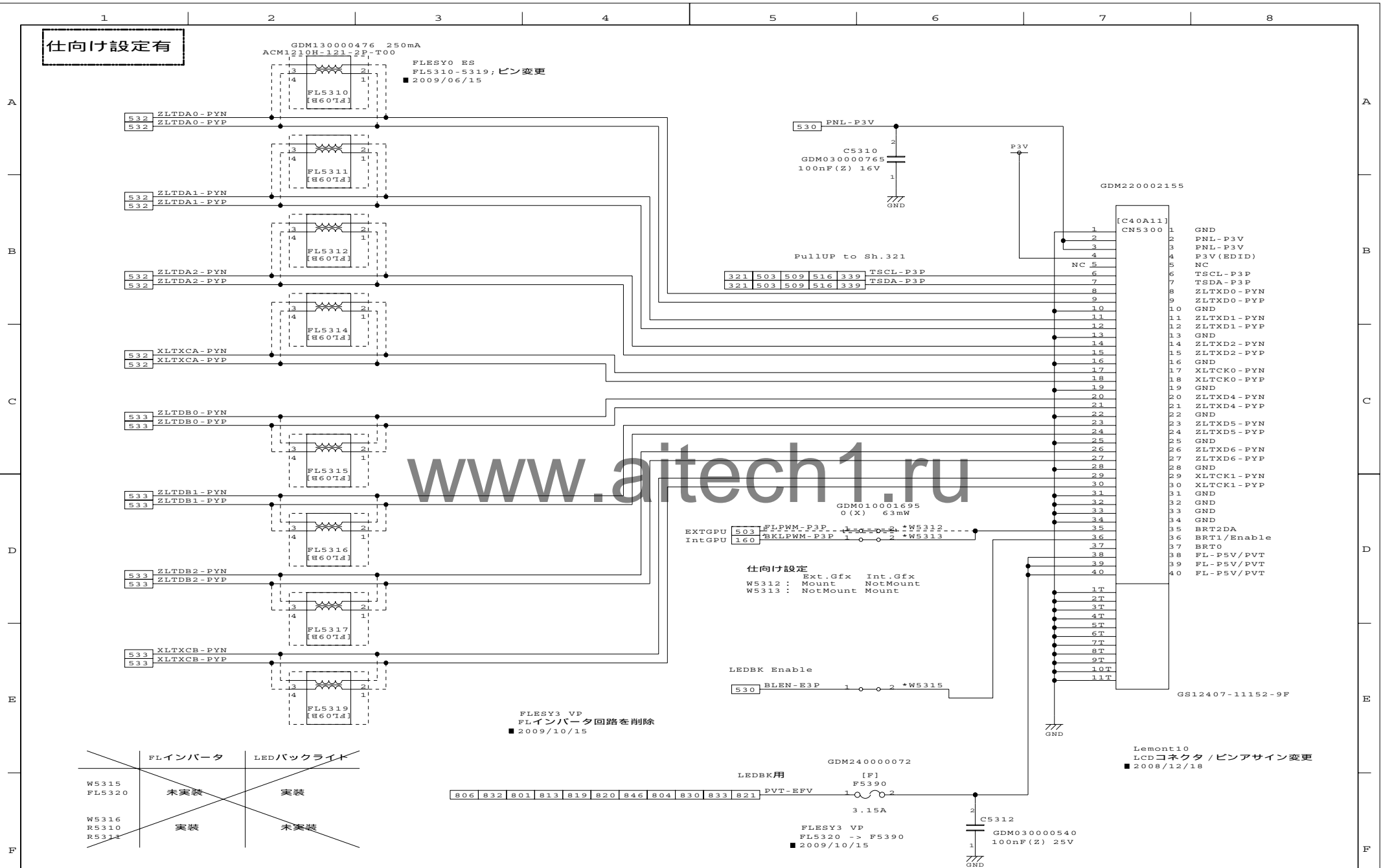
TOSHIBA&NVIDIA CONFIDENTIAL

REF:Lemont-C(tentative-1021) . fca1t0

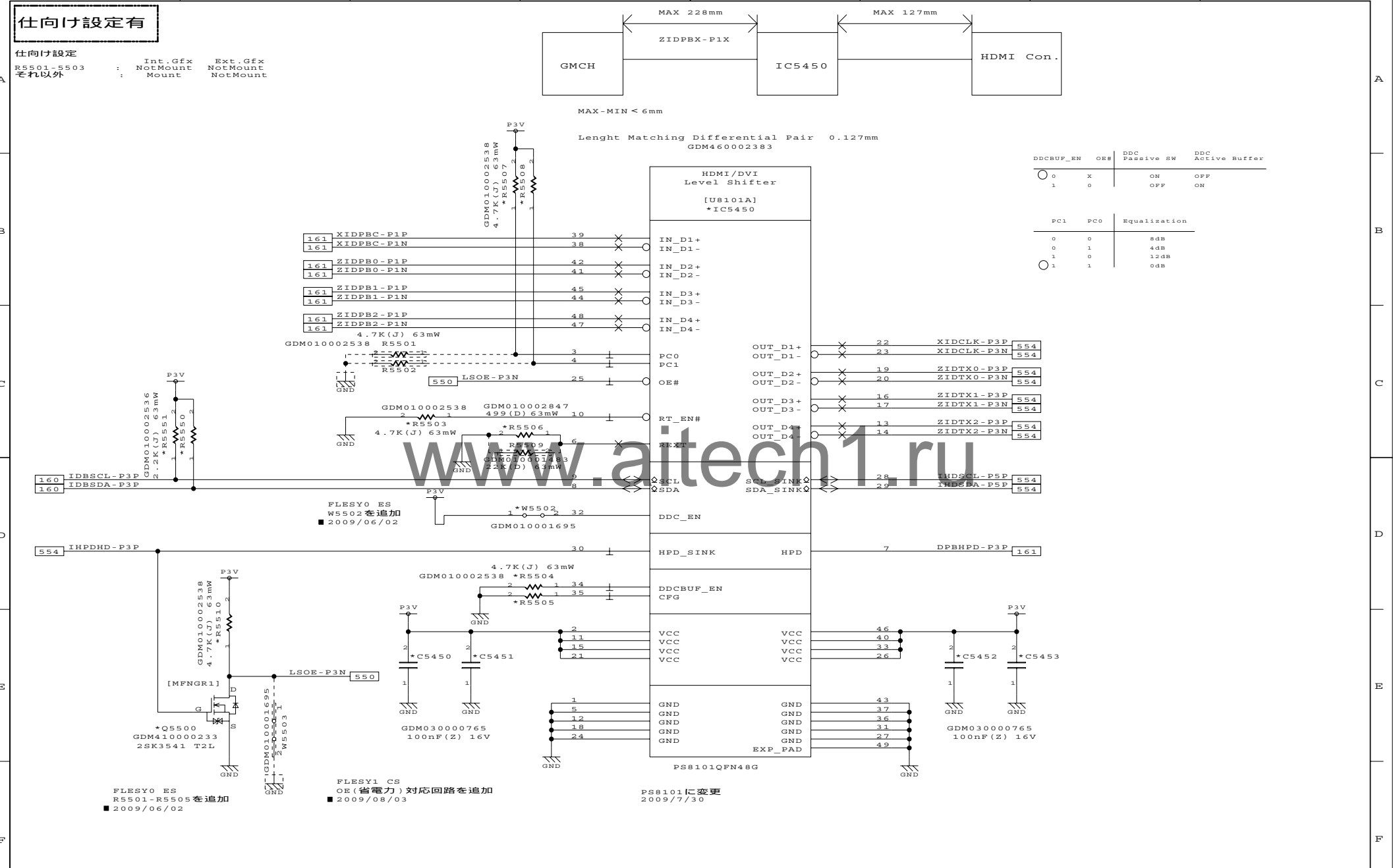
DESIGNED BY T.Naruse	TITLE FLESY3	FUNCTION LVDS B	SH.NO. 533	PAGE NO. 107	REV.MARK 00	DRAWING.NO. 360069893
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2009.11.05 18:33

TOSHIBA CORPORATION



CRTEN	L	L	H	H
DPCONF	L	H	L	H
Main	ON	OFF	OFF	OFF
Docking	ON	ON	OFF	OFF



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

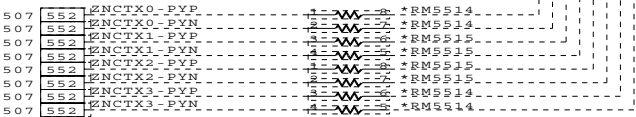
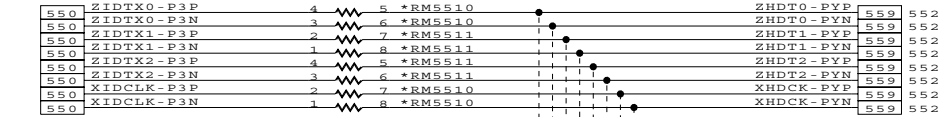
Lemon10 VP
TMDS直結パターン削除
■ 2009/10/13

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Lemon10 VP
TMDS 直結パターン削除
■ 2009/10/13

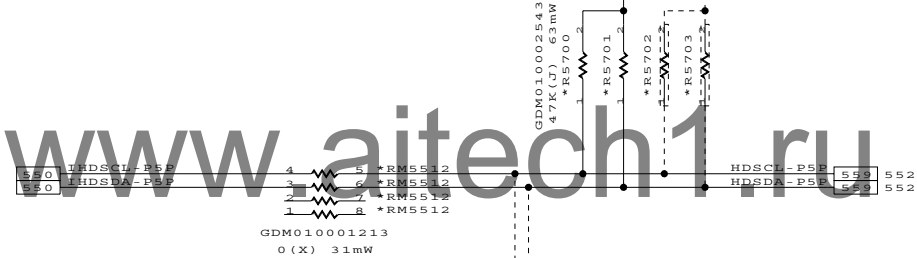
www.aitech1.ru

仕向け設定有り



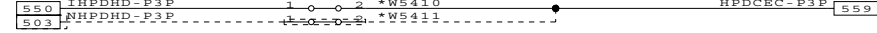
FLESY0 ES
RM5513, 2-7p抵抗と1-8p抵抗:
レイアウト都合により接続入れ換え。
■ 2009/05/26
FLESY0 ES
RM5510, 5511, 5514, 5515; ピン変更
■ 2009/06/15

分岐からジャンパまでの
パターンは 3mm以下



GDM010001213
0(X) 31mW

63mW 0(X)
GDM010001695



DESIGNED BY

T.Naruse

2009.11.05 18:33

TITLE

FLESY3

FUNCTION

HDMI Jummper

SH.NO.

554

PAGE NO.

114

REV.MARK

00

DRAWING.NO.

360069893

TOSHIBA CORPORATION

1

2

3

4

5

6

7

8

A

A

B

B

C

C

D

D

E

E

F

F

FLESY0 ES
DisplayPortが仕様から削除されたため、全ての回路を削除
■ 2009/06/10

www.aitech1.ru

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
M. Endo	FLESY3	DP Repeater	568	116	00	360069893

1

2

3

4

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8

A

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D

E

F

A

B

C

D

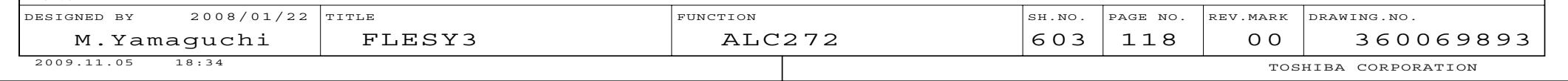
E

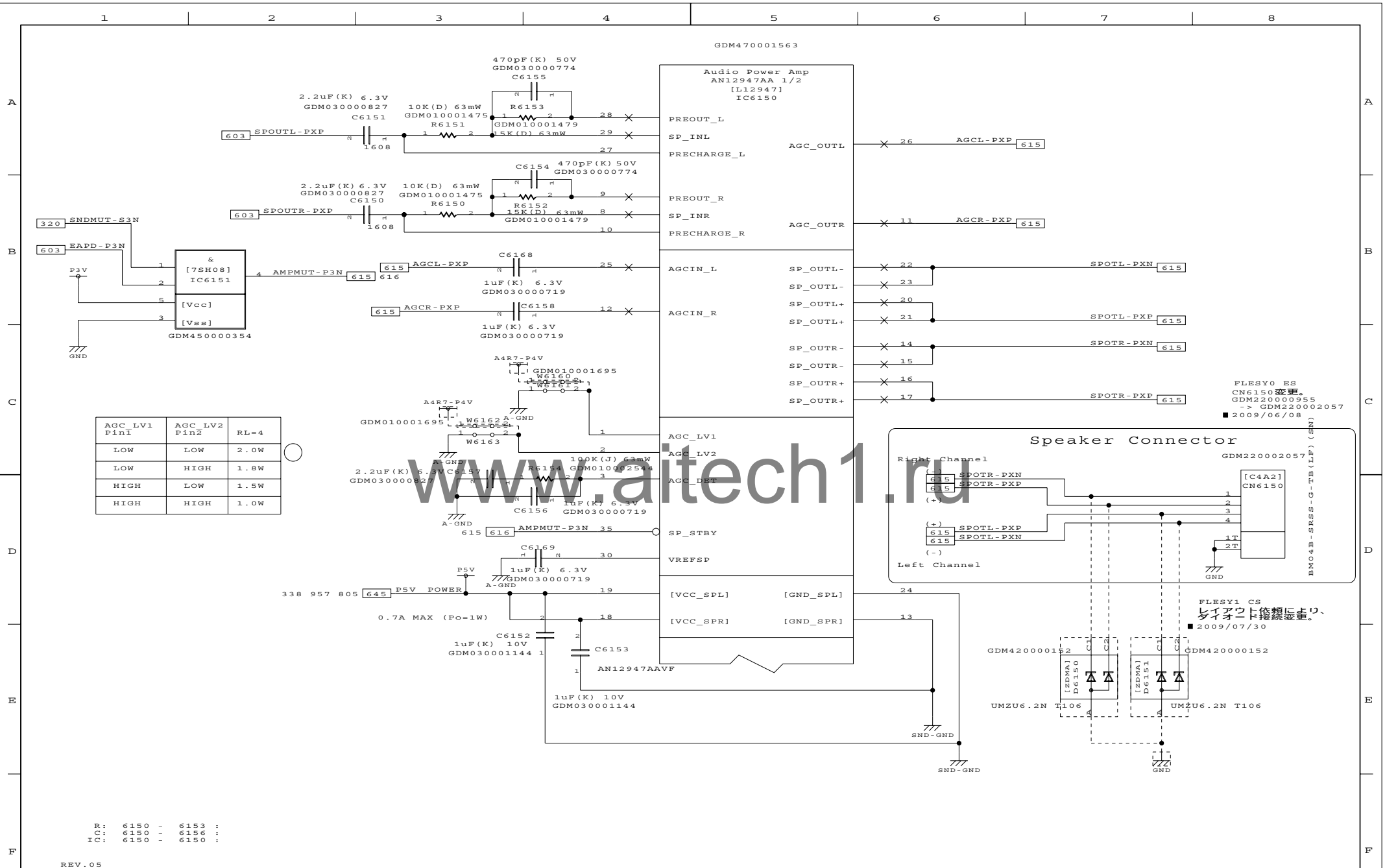
F

FLESY0 ES
DisplayPort が仕様から削除されたため、全ての回路を削除
■ 2009/06/10

www.aitech1.ru

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
M.Endo	FLESY3	DisplayPort CN	569	117	00	360069893





R: 6150 - 6153 :
C: 6150 - 6156 :
IC: 6150 - 6150 :

REV.05

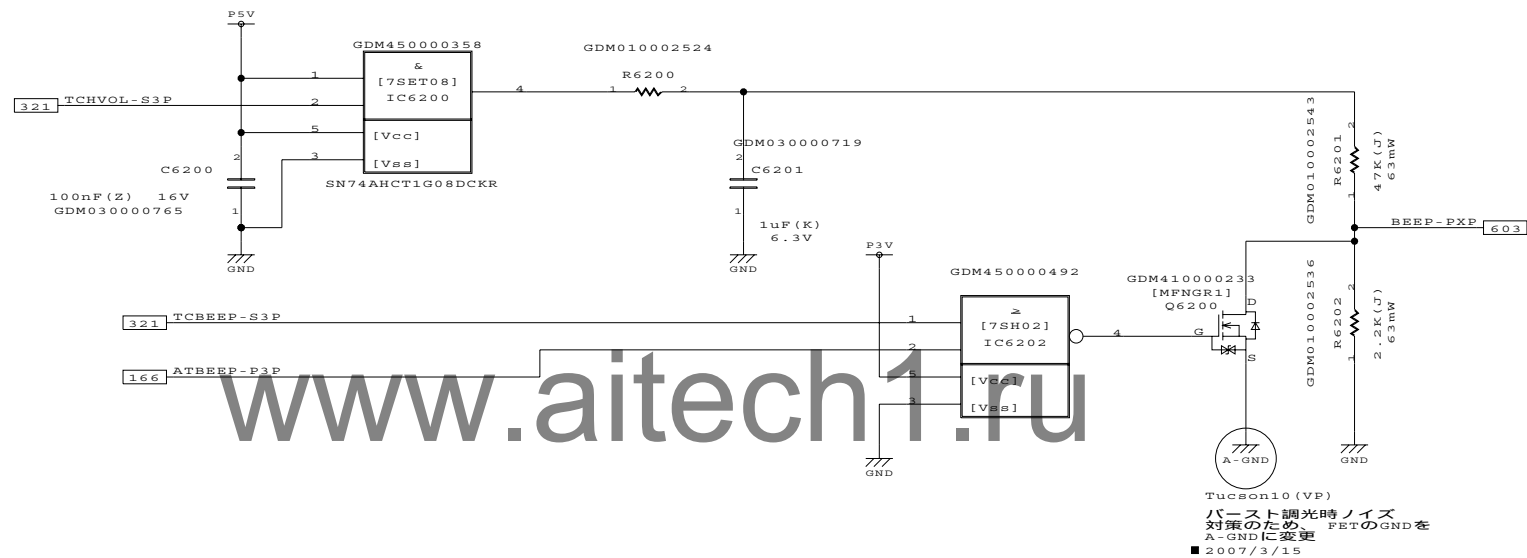
DESIGNED BY	2007/10/15	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
M. Yamaguchi		FLESY3	AN12947AA (1)	615	119	00	360069893

2009.11.05 18:34

TOSHIBA CONFIDENTIAL

TOSHIBA CORPORATION

2009.11.05 18:34



DESIGNED BY

M. Yamaguchi

TITLE

FLESY3

FUNCTION

BEEP

SH.NO.

620

PAGE NO.

121

REV.MARK

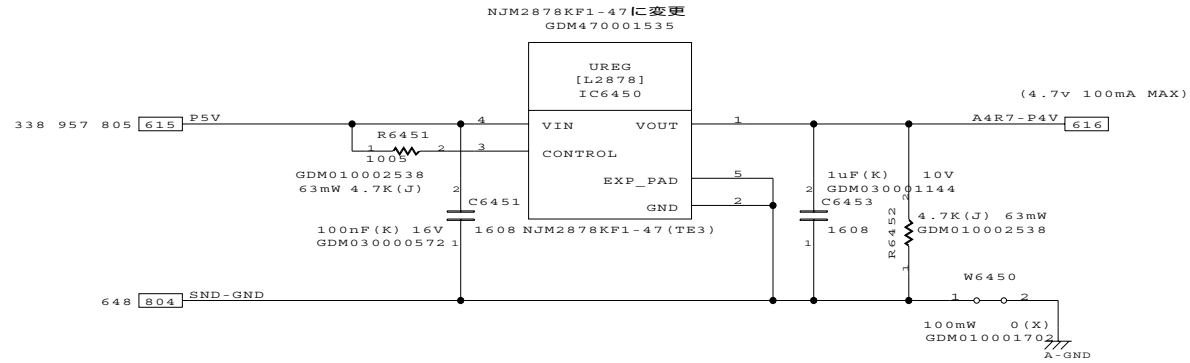
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DRAWING.NO.

360069893

2009.11.05 18:34

TOSHIBA CORPORATION



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W: 6450 - 6450 :
C: 6451 - 6453 :
R: 6450 - 6451 :
IC: 6450 - 6450 :

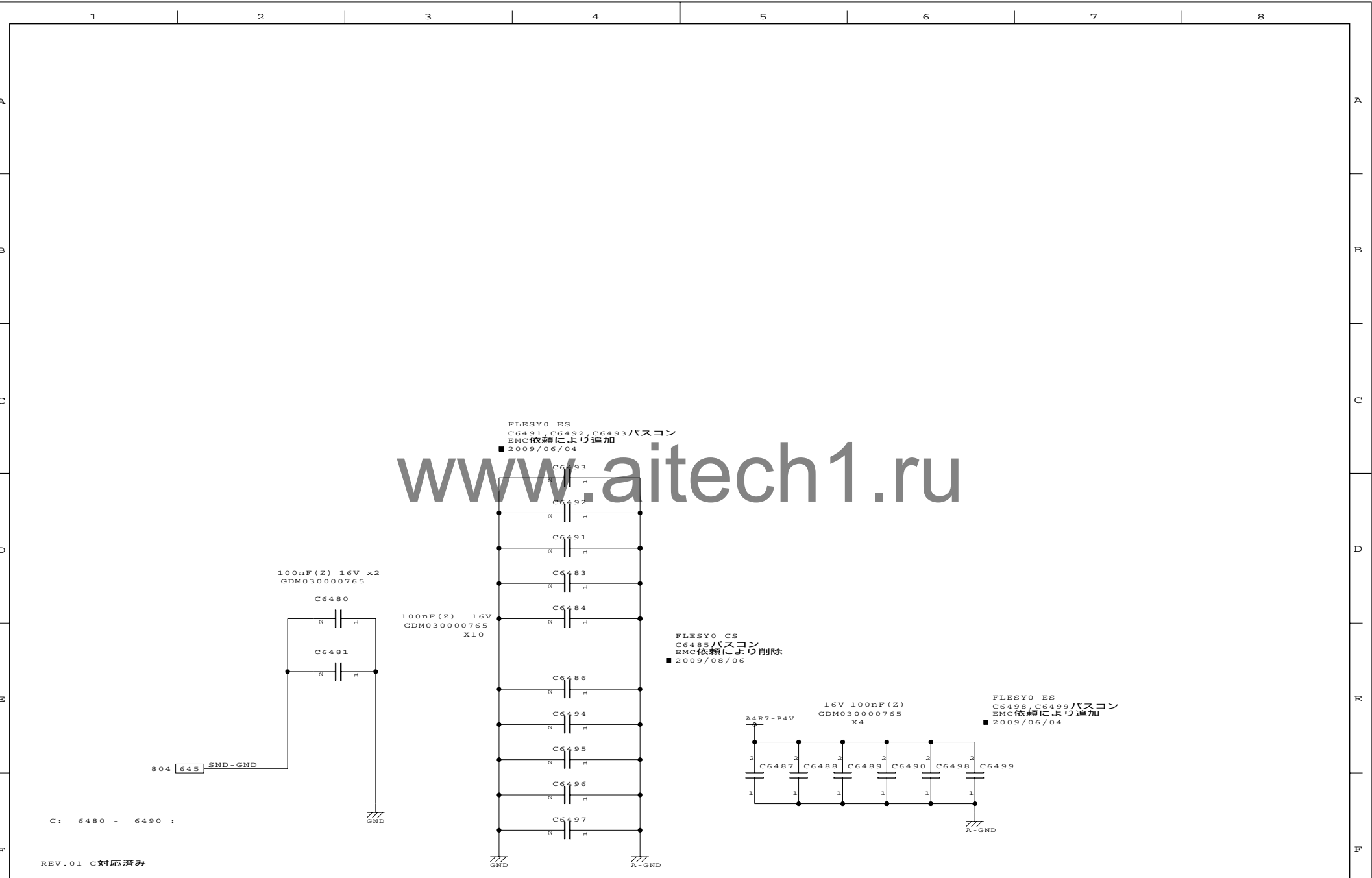
REV.01 G対応済み

DESIGNED BY	2009/1/16	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
M.Yamaguchi		FLESY3	ANALOG POWER	645	122	00	360069893

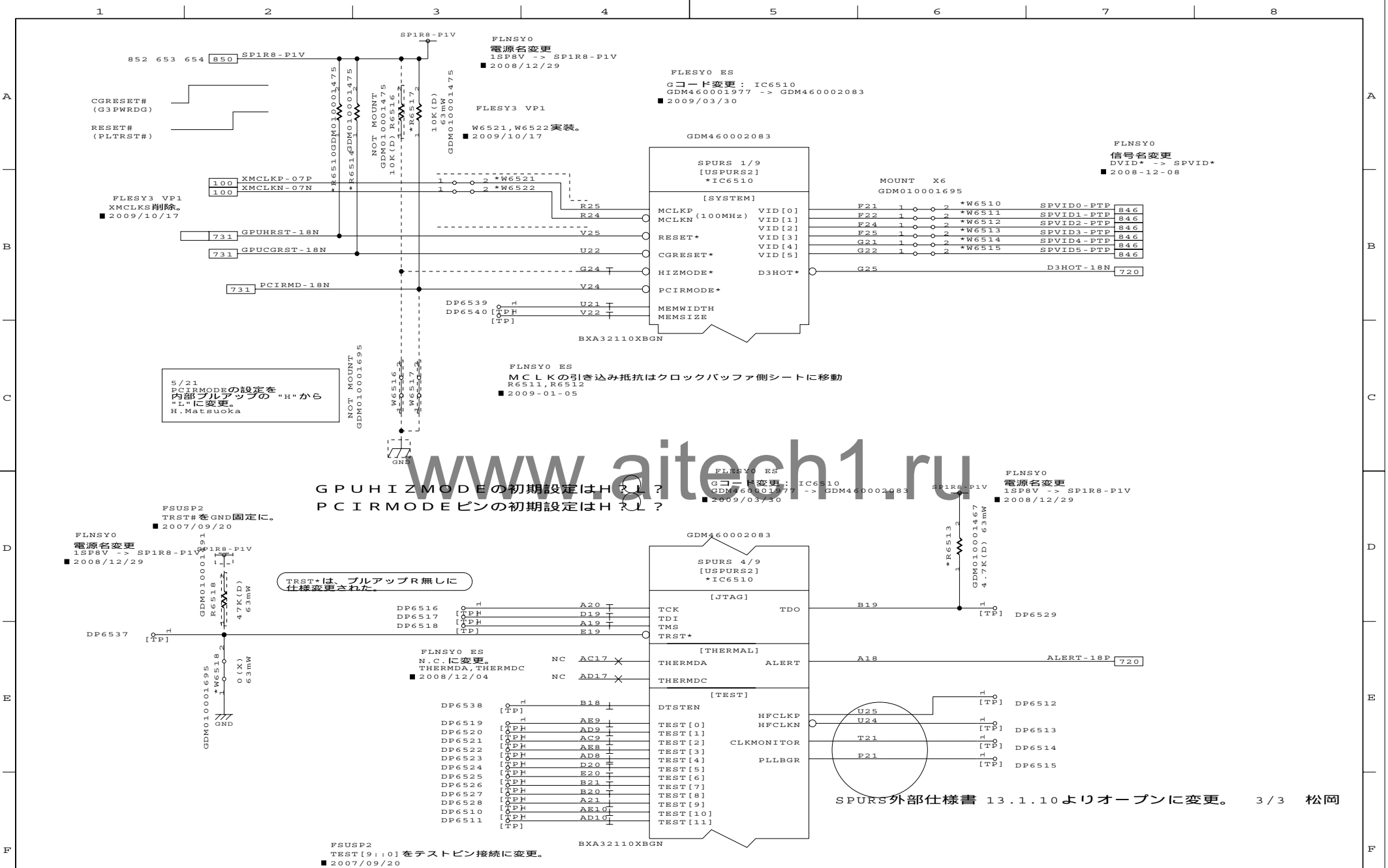
2009.11.05 18:34

TOSHIBA CONFIDENTIAL

TOSHIBA CORPORATION



DESIGNED BY	2007/1/29	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
M.Yamaguchi		FLESY3	Pass-con	648	123	00	360069893
2009.11.05	18:34	TOSHIBA CONFIDENTIAL		TOSHIBA CORPORATION			



DESIGNED BY

K. SENUMA

TITLE

FLESY3

FUNCTION

SPURS (1)

SH.NO.

651

PAGE NO.

124

REV.MARK

00

DRAWING.NO.

360069893

2009.11.05 18:34

TOSHIBA CORPORATION

SPURS 2/9
[USPURS2]
*IC6510

XCTM
XCTMN (4 0 0 M H z)

672 XSRD0-12P J3

XSCK
XRST
XCMD

T5
K5
U3

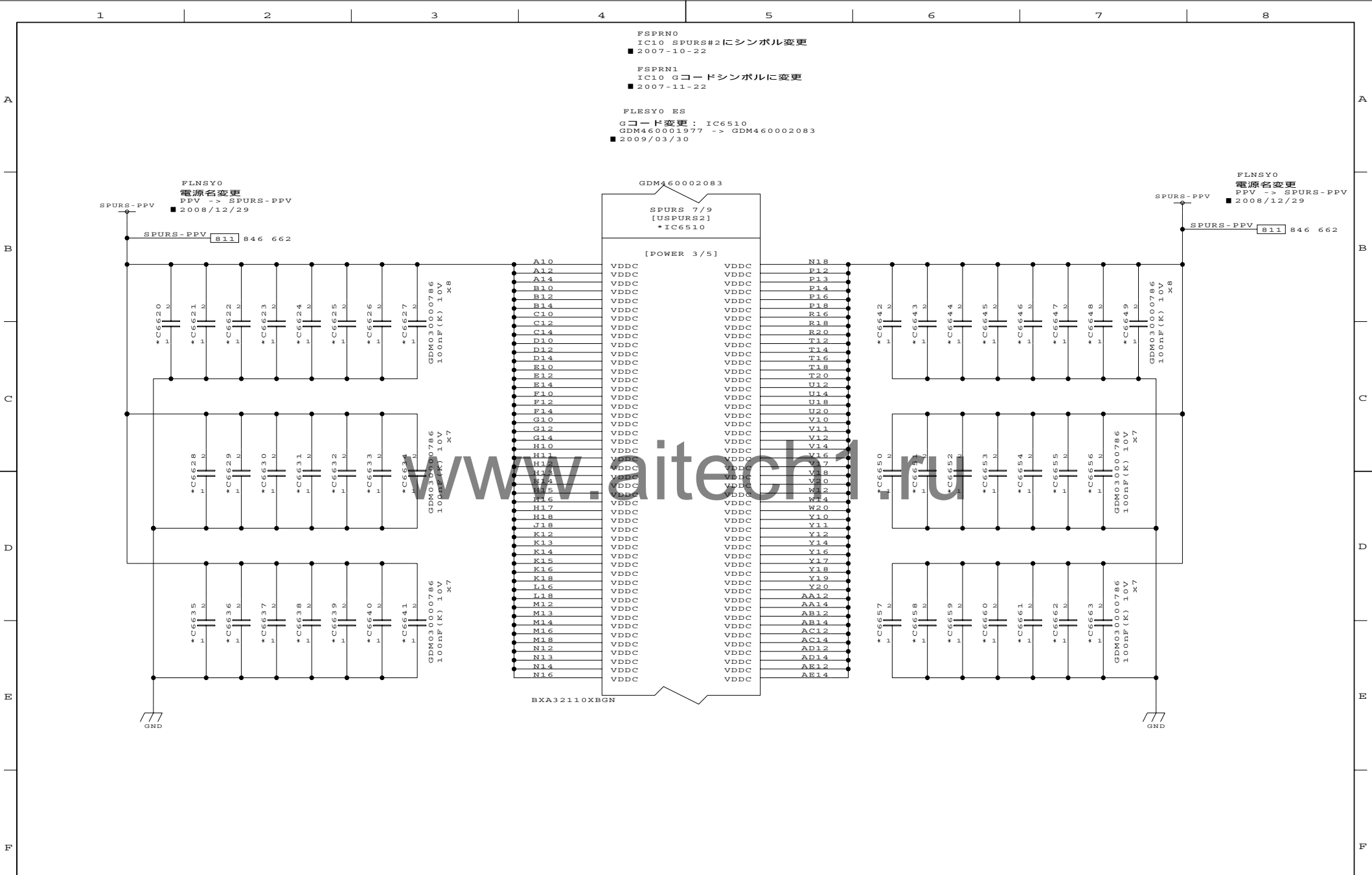
672	673	
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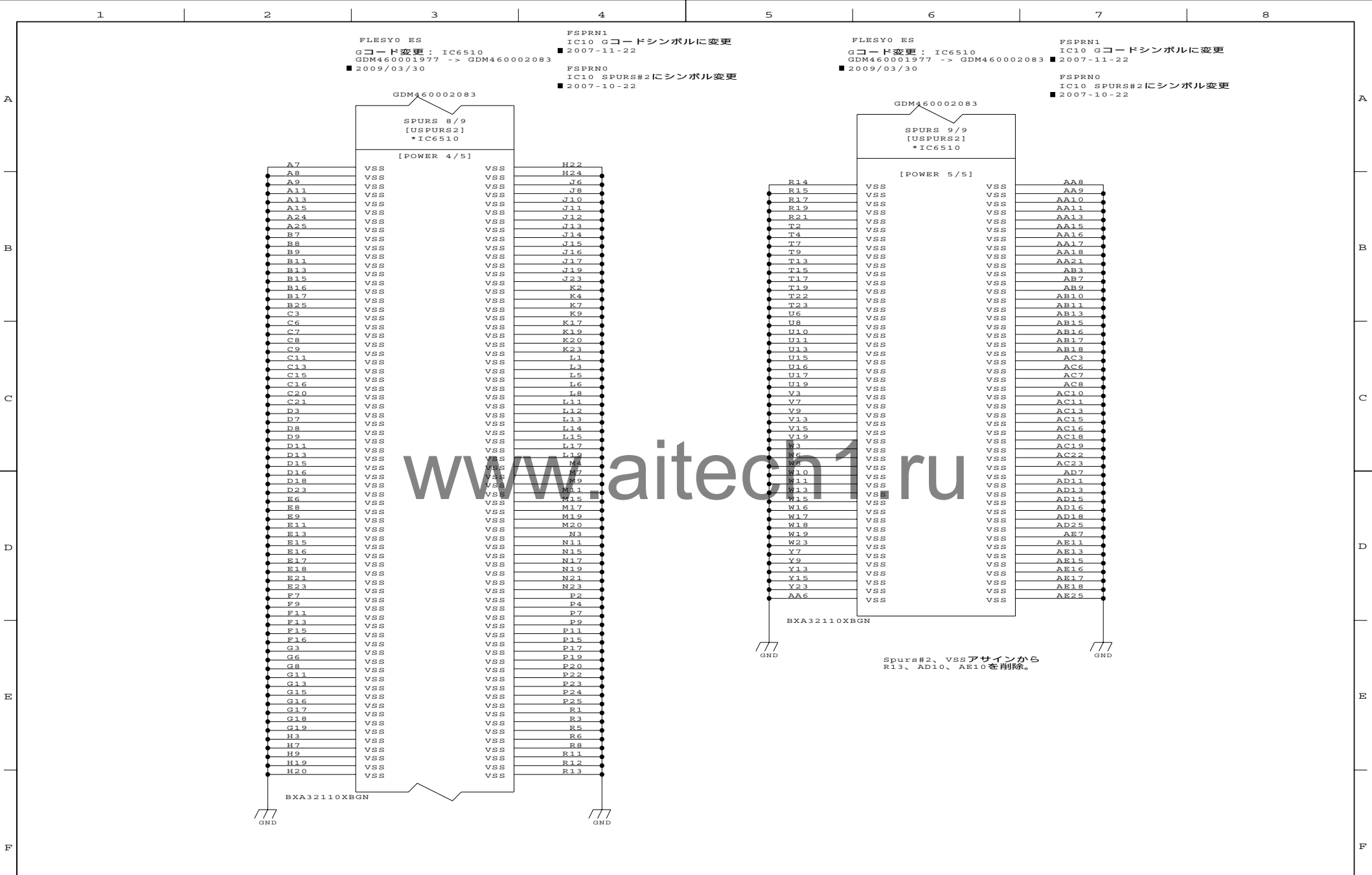
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6 7 2	6 7 3	

672

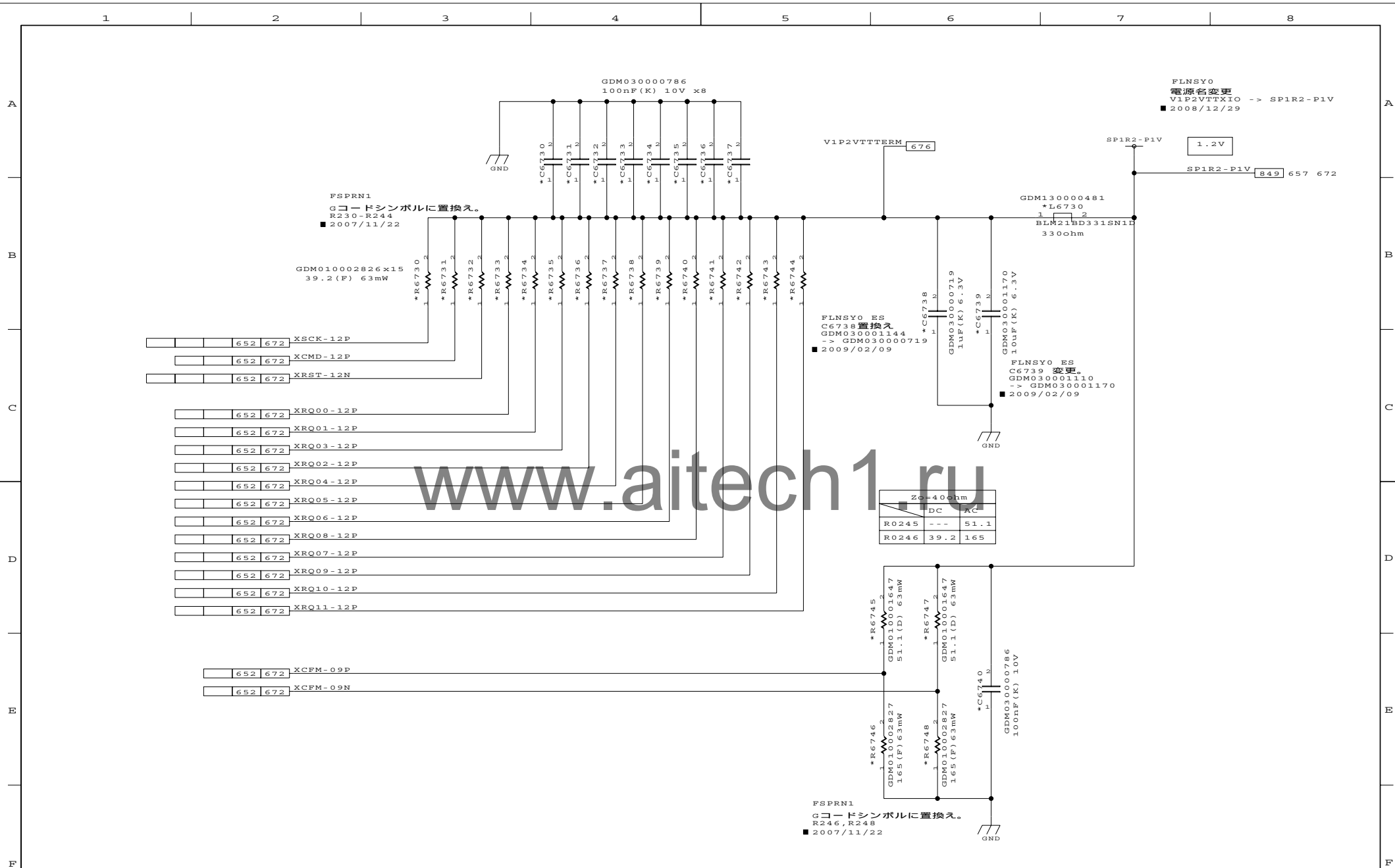
BXA32110XBGN

360069893





DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K. SENUMA	FLESY3	SPURS (7)	663	130	00	360069893
2009.11.05	18:34					TOSHIBA CORPORATION



DESIGNED BY

K. SENUMA

TITLE

FLESY3

FUNCTION

XDR TERM

SH.NO.

673

PAGE NO.

133

REV.MARK

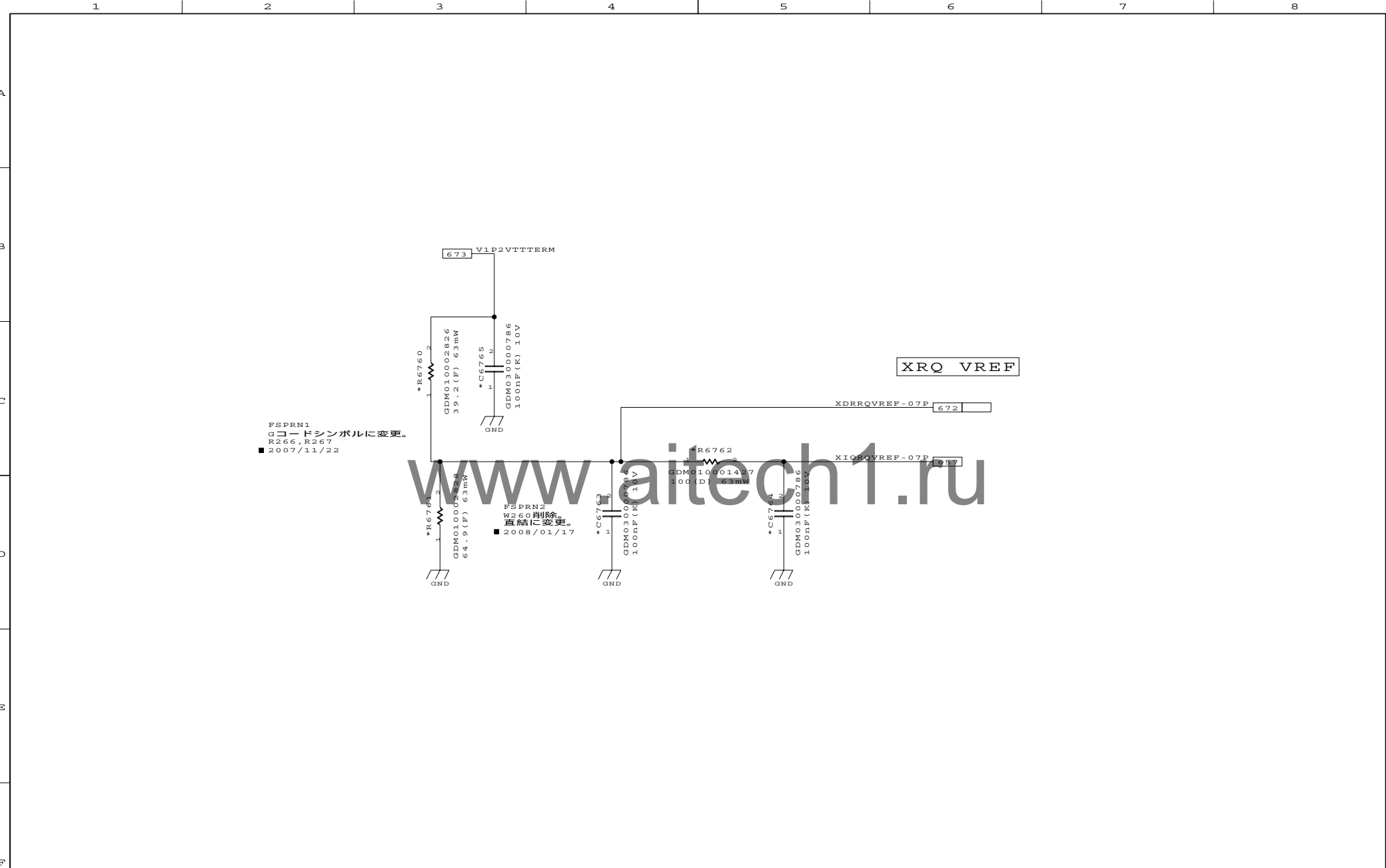
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DRAWING.NO.

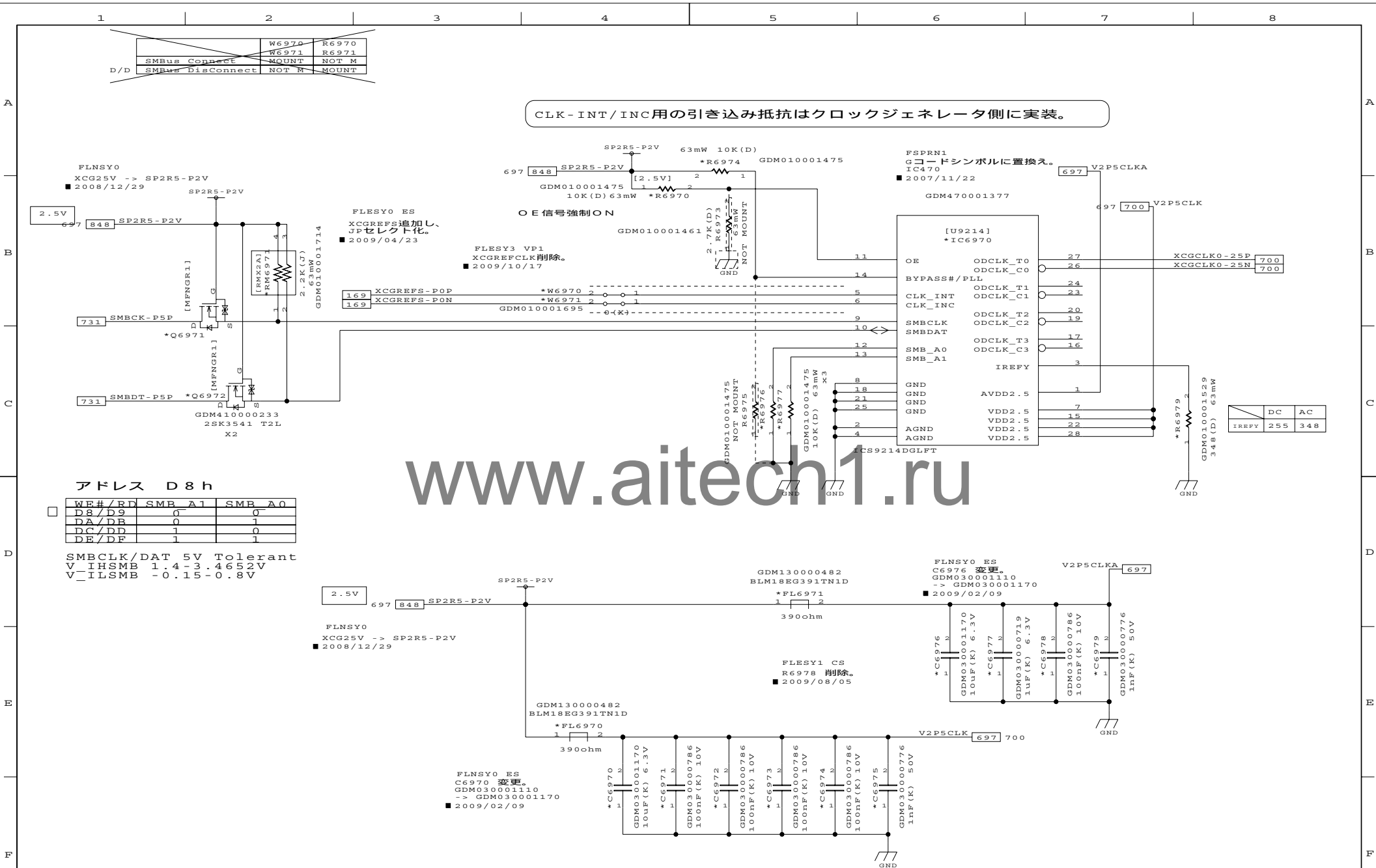
360069893

2009.11.05 18:34

TOSHIBA CORPORATION



DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K. SENUMA	FLESY3	XDR VREF	676	134	00	360069893
2009.11.05	18:34					TOSHIBA CORPORATION



DESIGNED BY

K. SENUMA

TITLE

FLESY3

FUNCTION

XCG

SH.NO.

697

PAGE NO.

135

REV.MARK

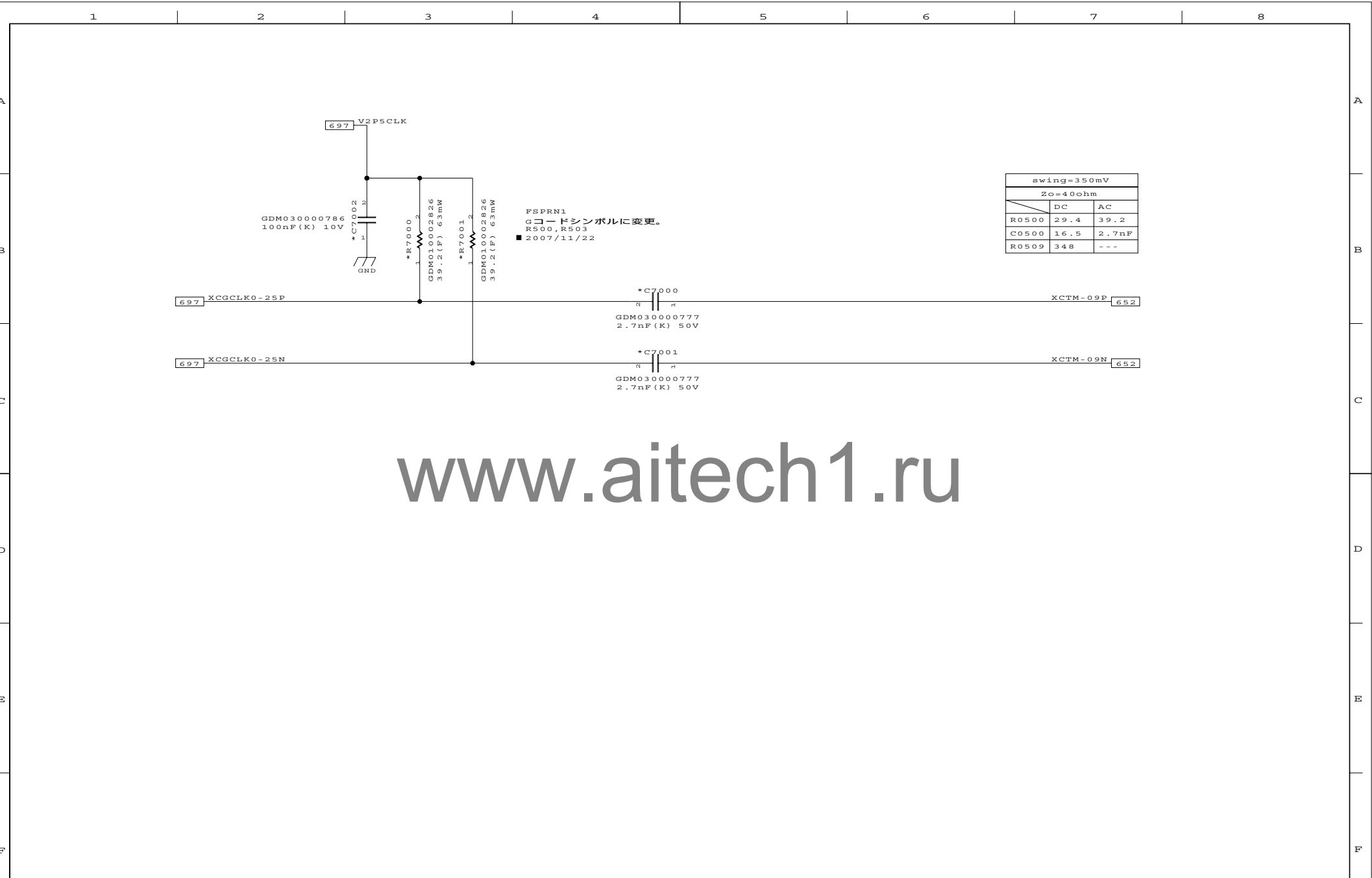
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DRAWING.NO.

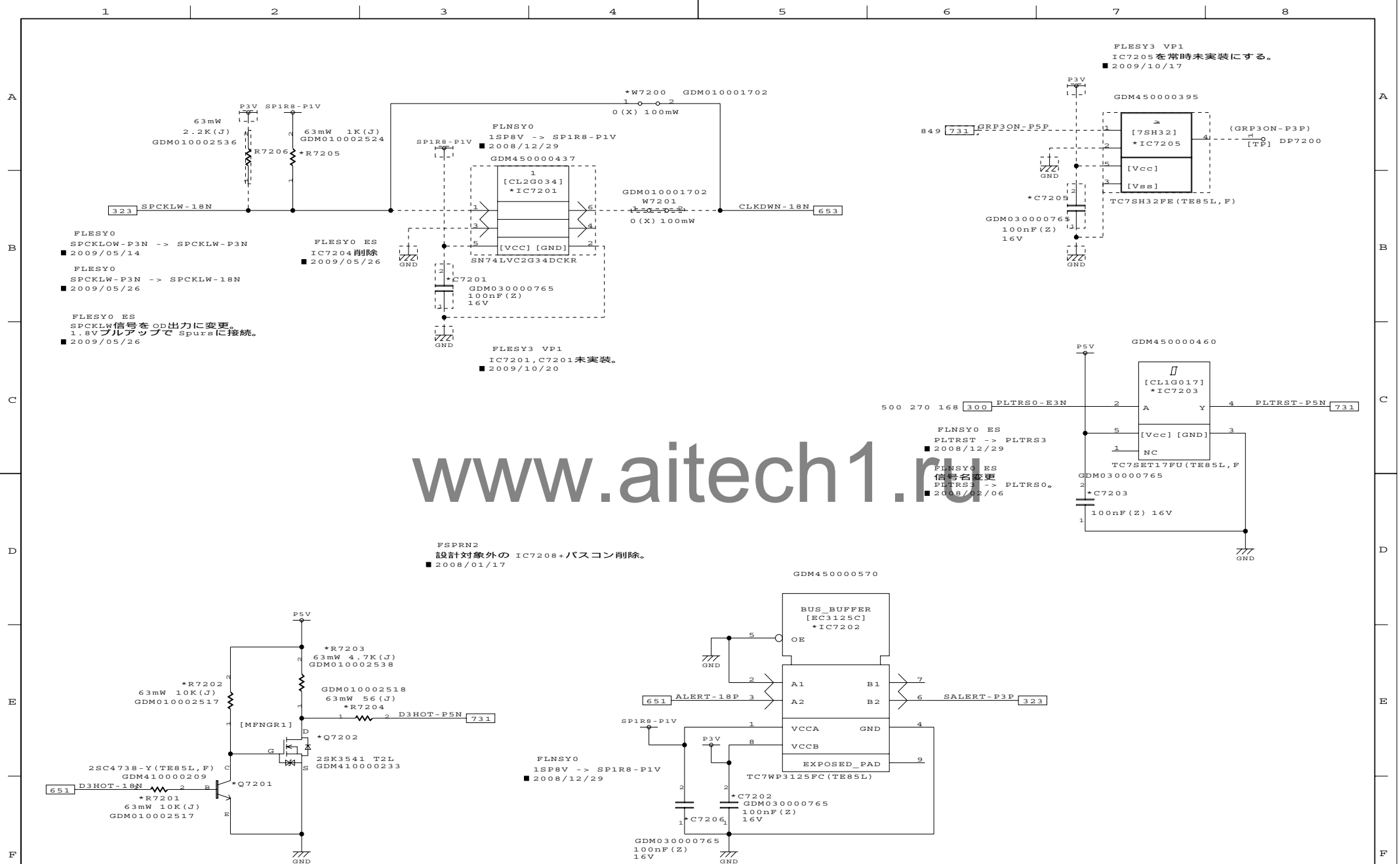
360069893

2009.11.05 18:34

TOSHIBA CORPORATION



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12345678

A

A

B

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C

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D

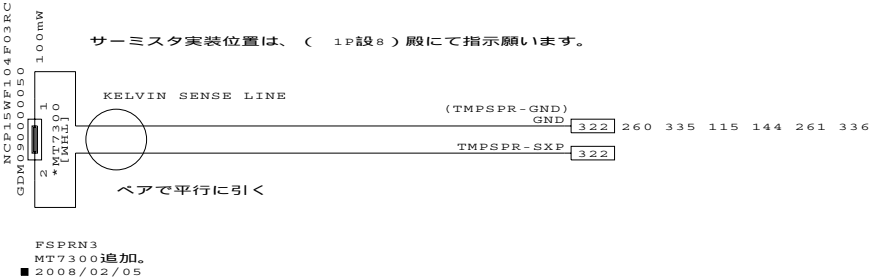
D

E

E

F

F



FLNSY0 ES
削除。
ADM1032:IC7300
■ 2008/12/04

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DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K. SENUMA	FLESY3	Thermal Sensor	730	138	00	360069893

1 2 3 4 5 6 7 8

A

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E

F

A

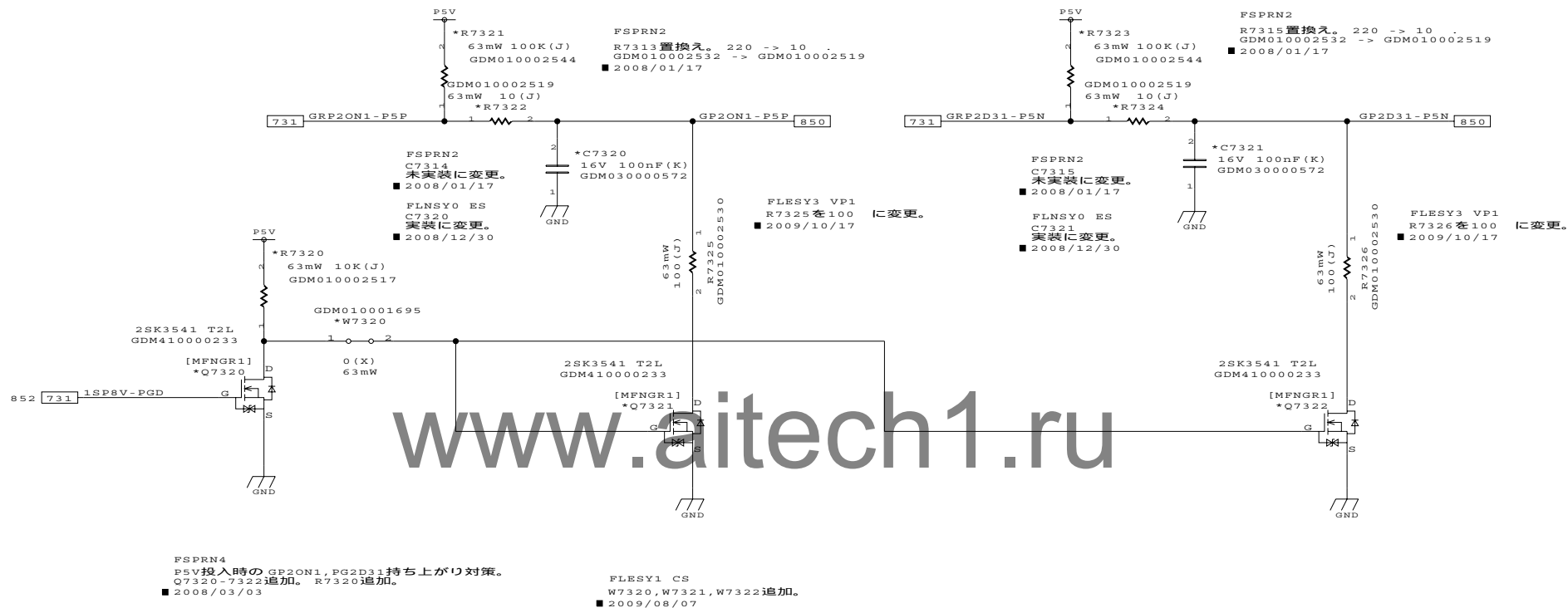
B

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F



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DESIGNED BY

K. SENUMA

TITLE

FLESY3

FUNCTION

Group2 P-ON

SH.NO.

732

PAGE NO.

140

REV.MARK

00

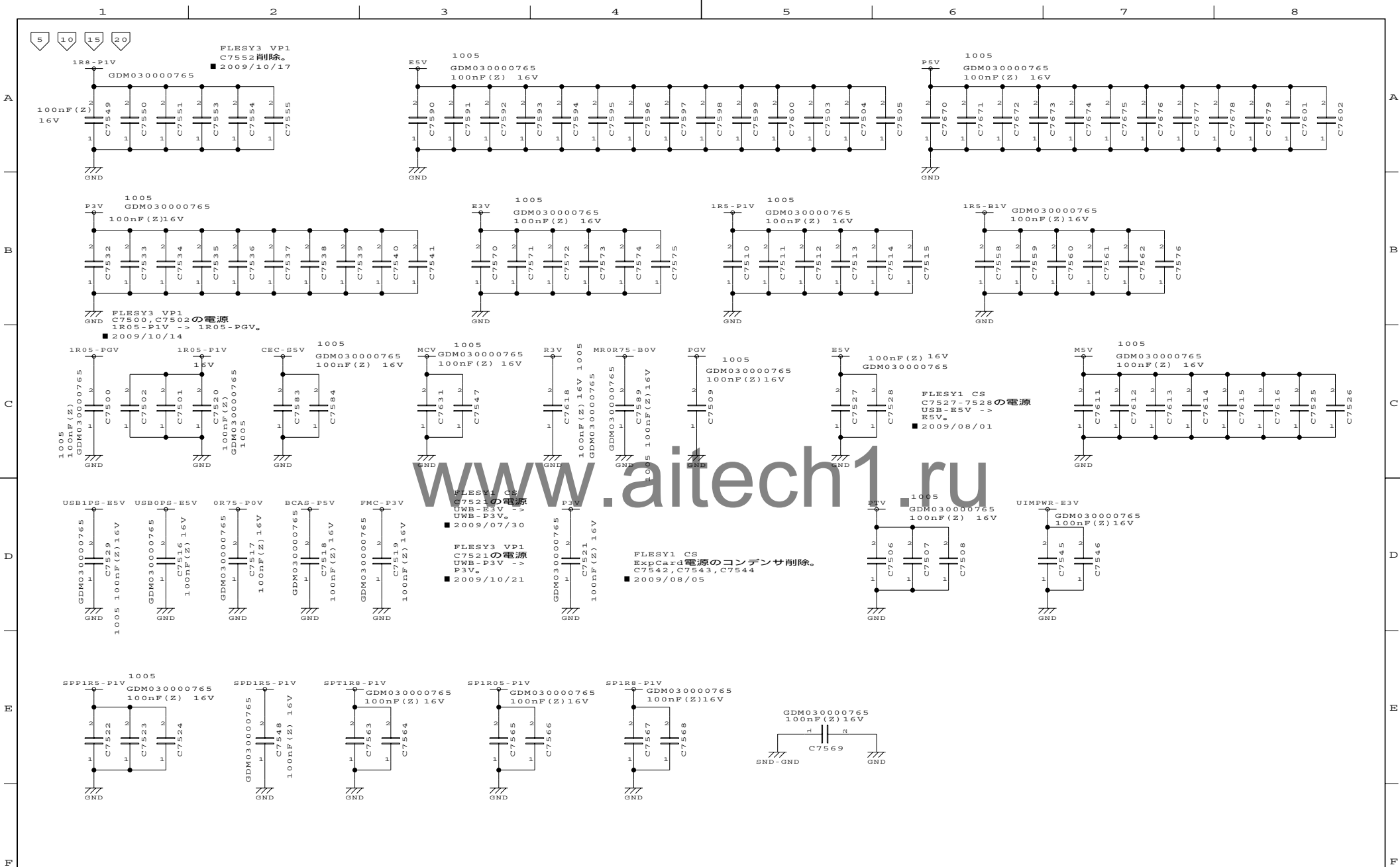
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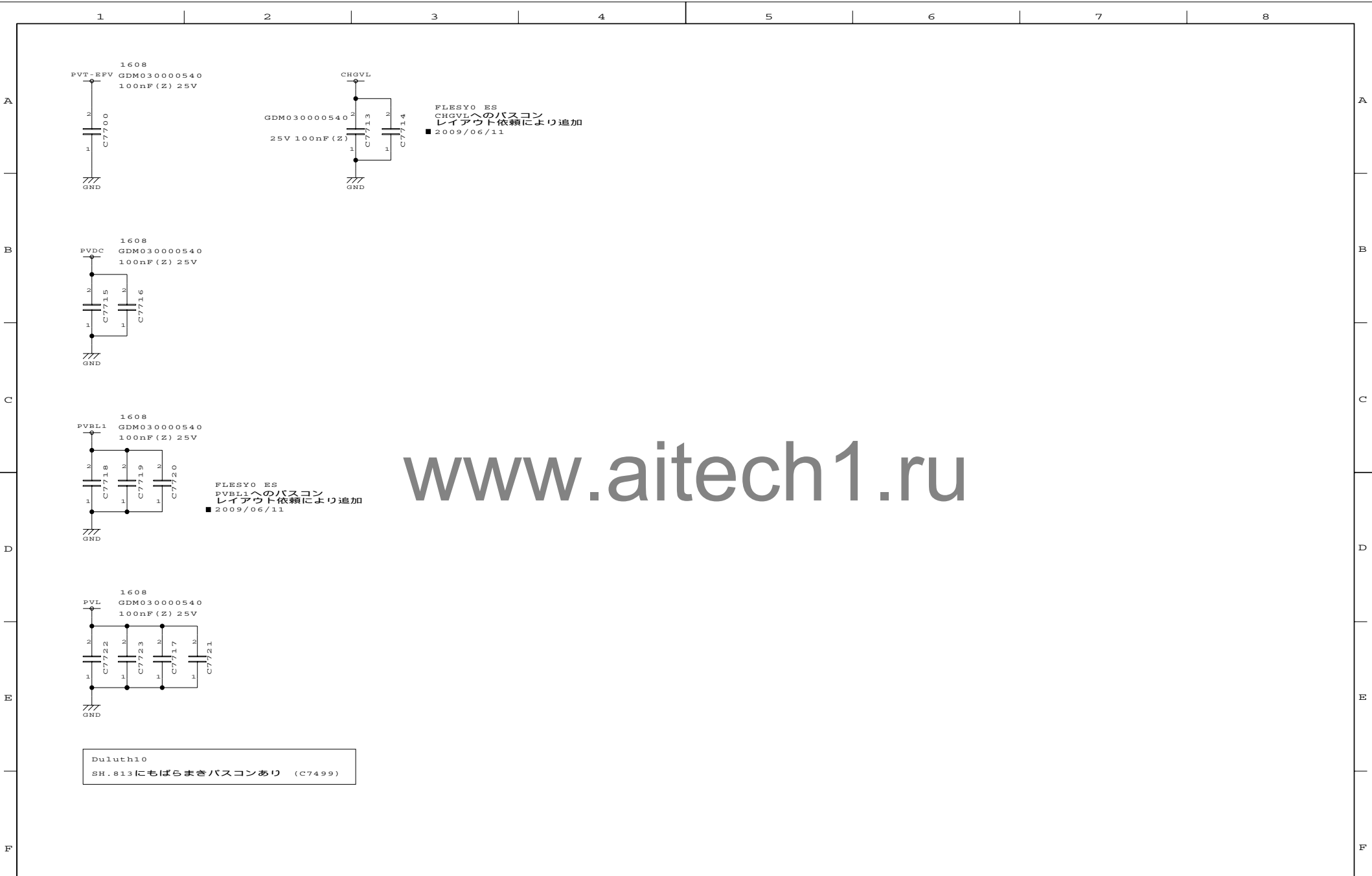
360069893

2009.11.05 18:34

TOSHIBA CORPORATION

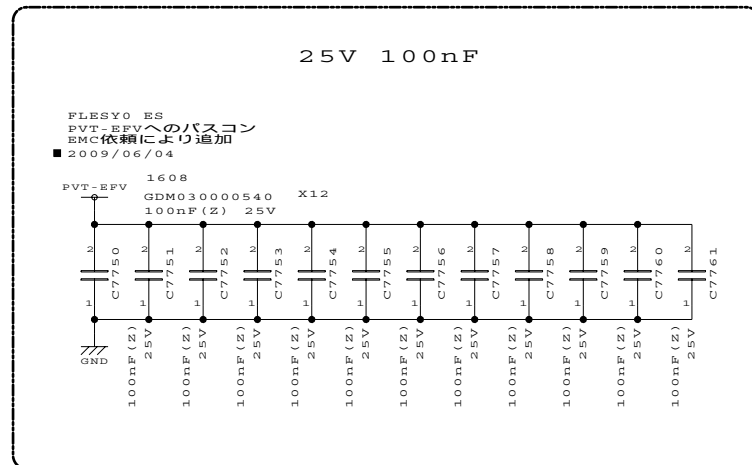




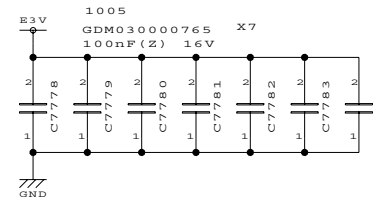


DESIGNED BY	2009/10/20	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K. Senuma		FLESY3	EMI CAPs (25V 100nF)	751	143	00	360069893
2009.11.05	18:34	TOSHIBA CONFIDENTIAL					TOSHIBA CORPORATION

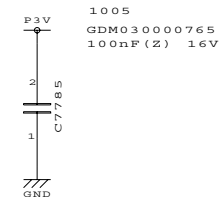
島渡り用



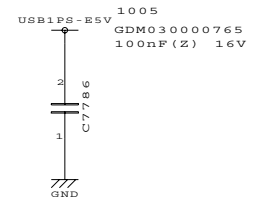
FLESY0 ES
E3Vへのバスコン
EMC依頼により追加
■ 2009/06/04



FLESY0 ES
P3Vへのバスコン
EMC依頼により追加
■ 2009/06/04

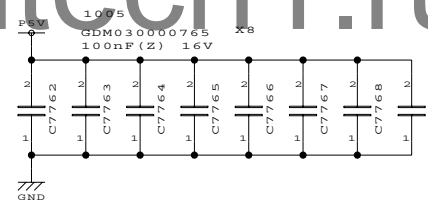


FLESY0 ES
USB1PS-E5Vへのバスコン
EMC依頼により追加
■ 2009/06/04

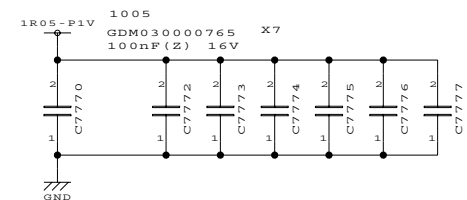


www.aitech1.ru

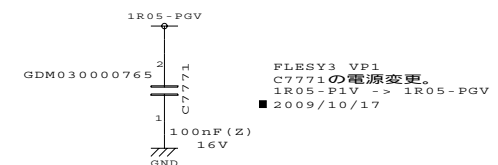
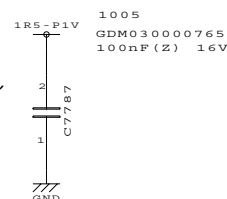
FLESY0 ES
P1Vへのバスコン
EMC依頼により追加
■ 2009/06/04



FLESY0 ES
1R05-P1Vへのバスコン
EMC依頼により追加
■ 2009/06/04



FLESY0 ES
1R5-P1Vへのバスコン
EMC依頼により追加
■ 2009/06/17



DESIGNED BY 2008/03/18

K. Senuma

TITLE

FLESY3

FUNCTION

EMI (3)

SH.NO.

752

PAGE NO.

144

REV.MARK

00

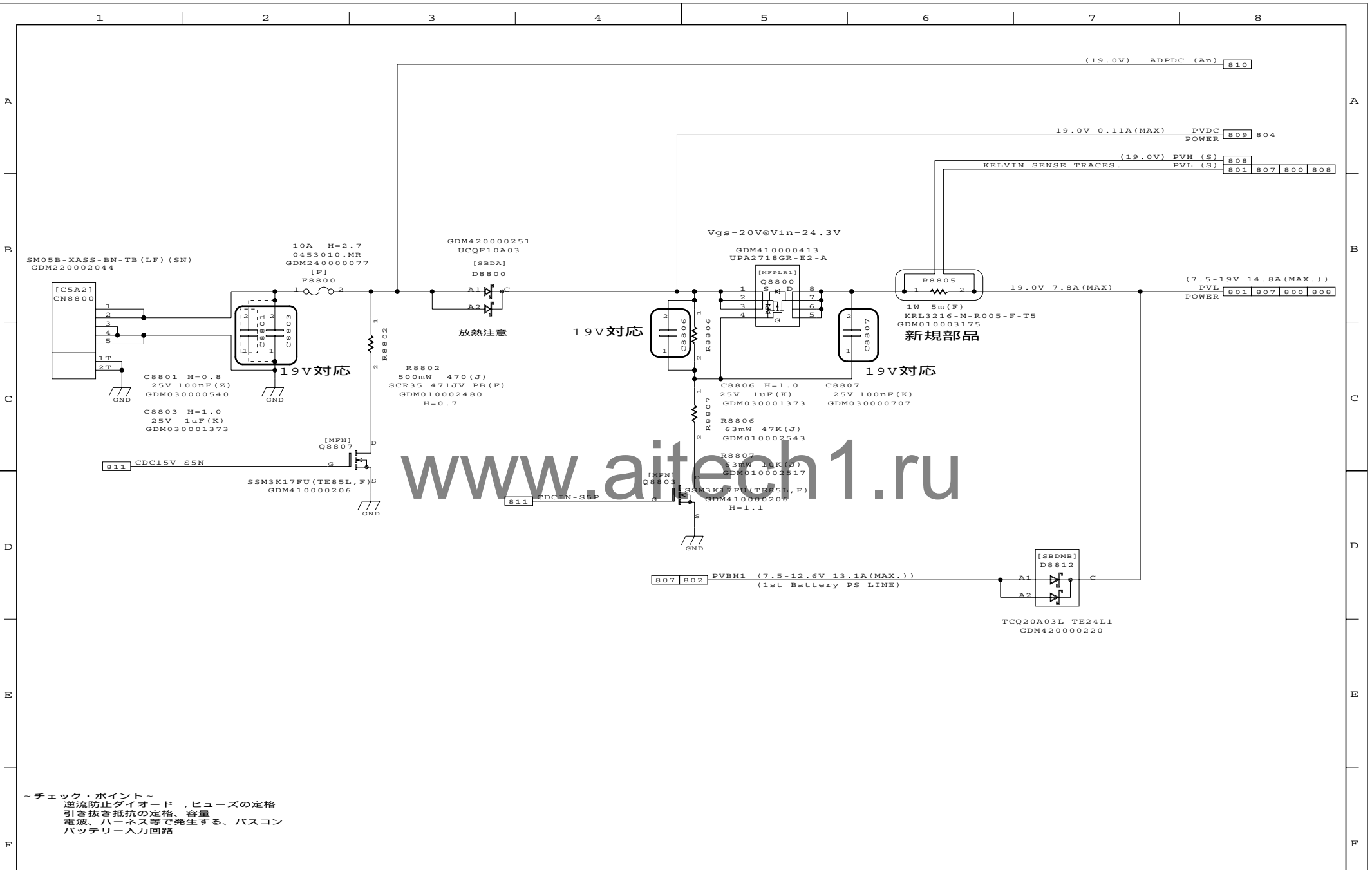
DRAWING.NO.

360069893

2009.11.05 18:34

TOSHIBA CONFIDENTIAL

TOSHIBA CORPORATION



DESIGNED BY 2009/8/3

A. Kanou

TITLE

FLESY3

FUNCTION

[PS] DC-IN

SH.NO.

800

PAGE NO.

145

REV.MARK

00

DRAWING.NO.

360069893

2009.11.05 18:34

TOSHIBA CORPORATION

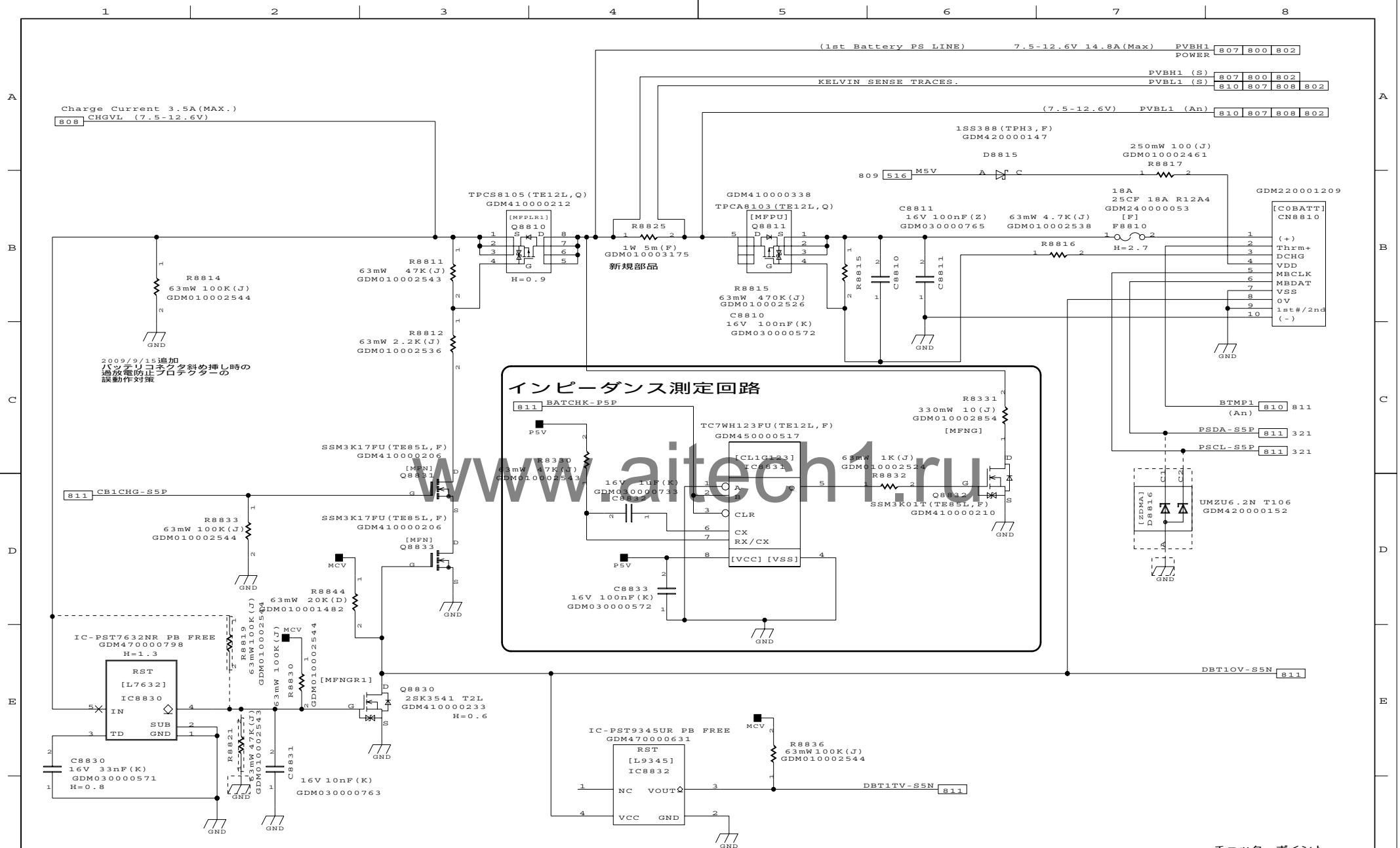


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~チェック~
部品定格
FET
ドッキング出力回路

■ REF: Santa Rosa Platform (TS) . FMC8T0

DESIGNED BY	2009/3/19	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
A. Kanou		FLESY3	[PS] PVT-SW	801	146	00	360069893



電安法 STEP2対応回路 2009/7/24

～チェック・ポイント～
充電電流の定格
ヒューズの定格
バッテリーコネクタ

DESIGNED BY 2009/10/16

A. Kanou

TITLE

FLESY3

FUNCTION

[PS] 1st Battery 802

SH.NO.

PAGE NO.

147

REV.MARK

00

DRAWING.NO.

360069893

2009.11.05 18:34

基板へ渡す値

TOSHIBA CORPORATION

1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

D

E

E

F

F

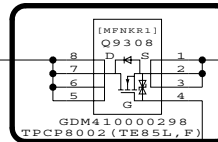
SND-P5V はロードスイッチ根元から分岐

2009/5/19変更

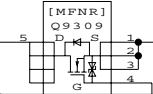
230mA (Peak) 230mA (Ave.)
P5V 338 957 805 615 645
SND-P5V

4.95A (max.)

4.95A (Peak) 3.05A (Ave.)
P5V 338 957 805 615 645
POWER



GDM410000439
UPA2803T1L-E2-AY



新規部品

GDM420000147
1SS388 (TPH3, F)

6.95A (Peak) 4.77A (Ave.)
P3V

R8875
63mW 4.7K (J)
GDM010002538

R8874
250mW 100 (J)
GDM010002461

[MFNGR1]

806 815 818 832 819 821 740 PVON-R3N
Q8867 T2L
2SK3541
GDM410000233

GND

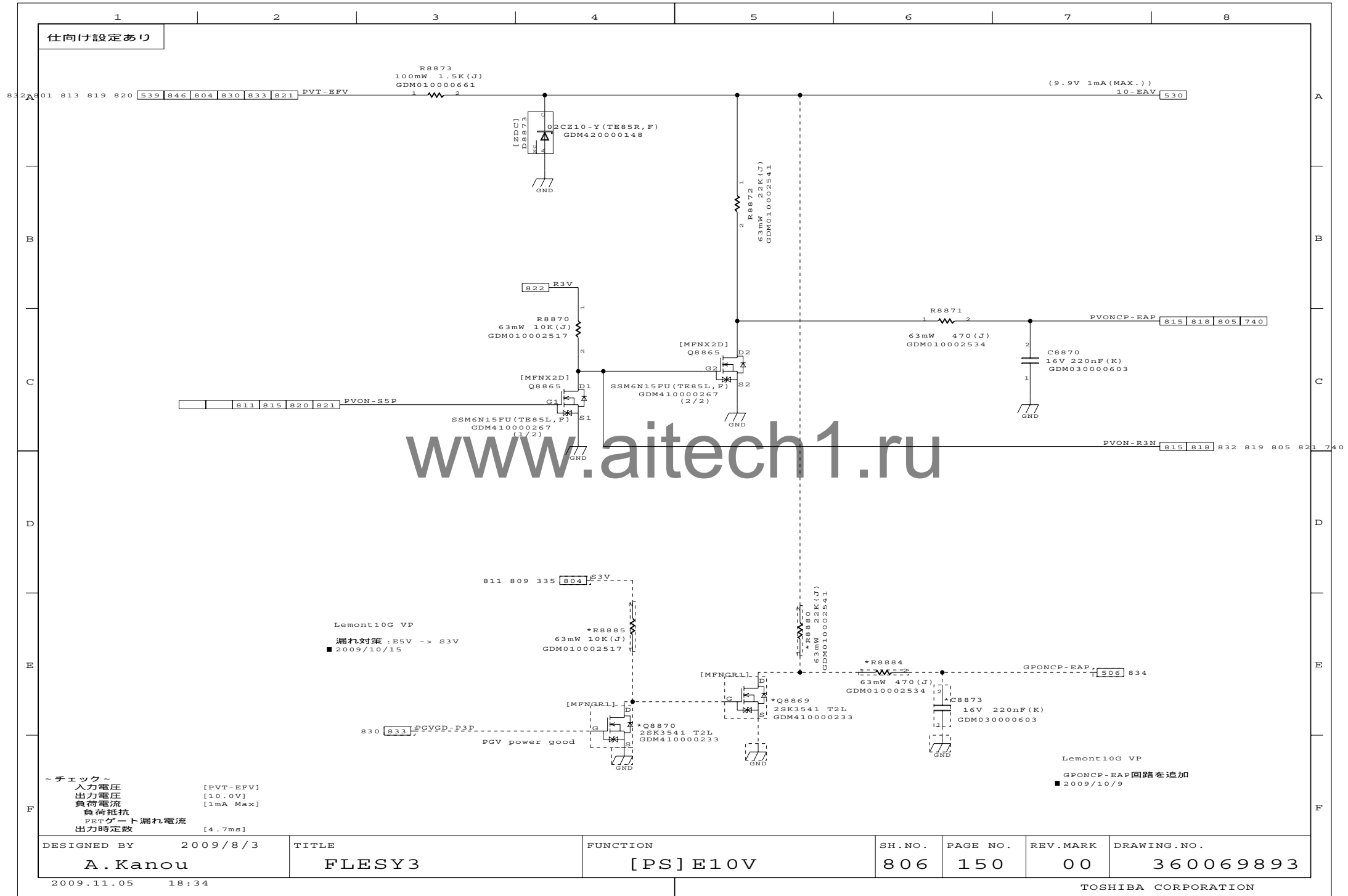
~チェック~
入力電源名
出力電源名
制御信号, 駆動電圧
FETの電圧降下 / 許容損失
引き抜き回路 (100ms以内)

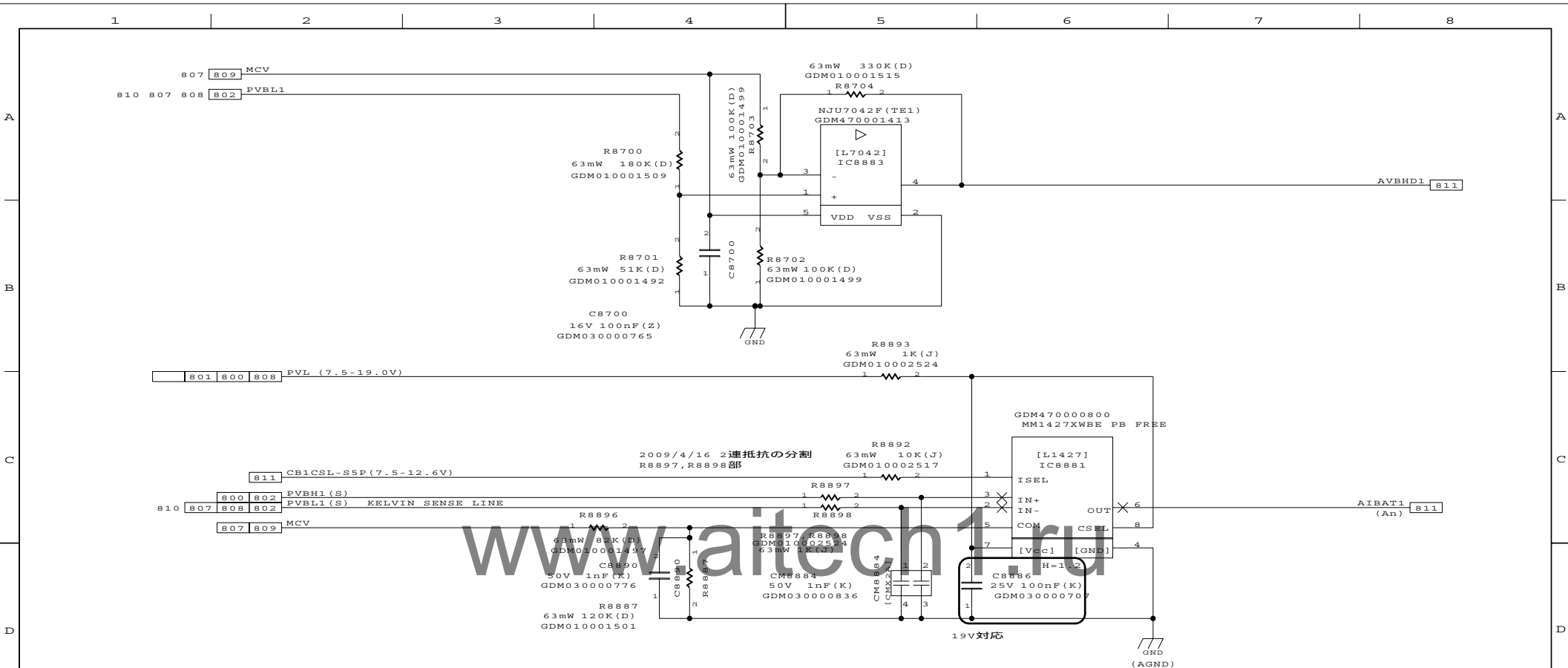
■ REF: Santa Rosa Platform (TS) . FMC8T0

DESIGNED BY	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
A. Kanou	FLESY3	[PS] LOAD SW1	805	149	00	360069893

2009.11.05 18:34

TOSHIBA CORPORATION





~チェック~

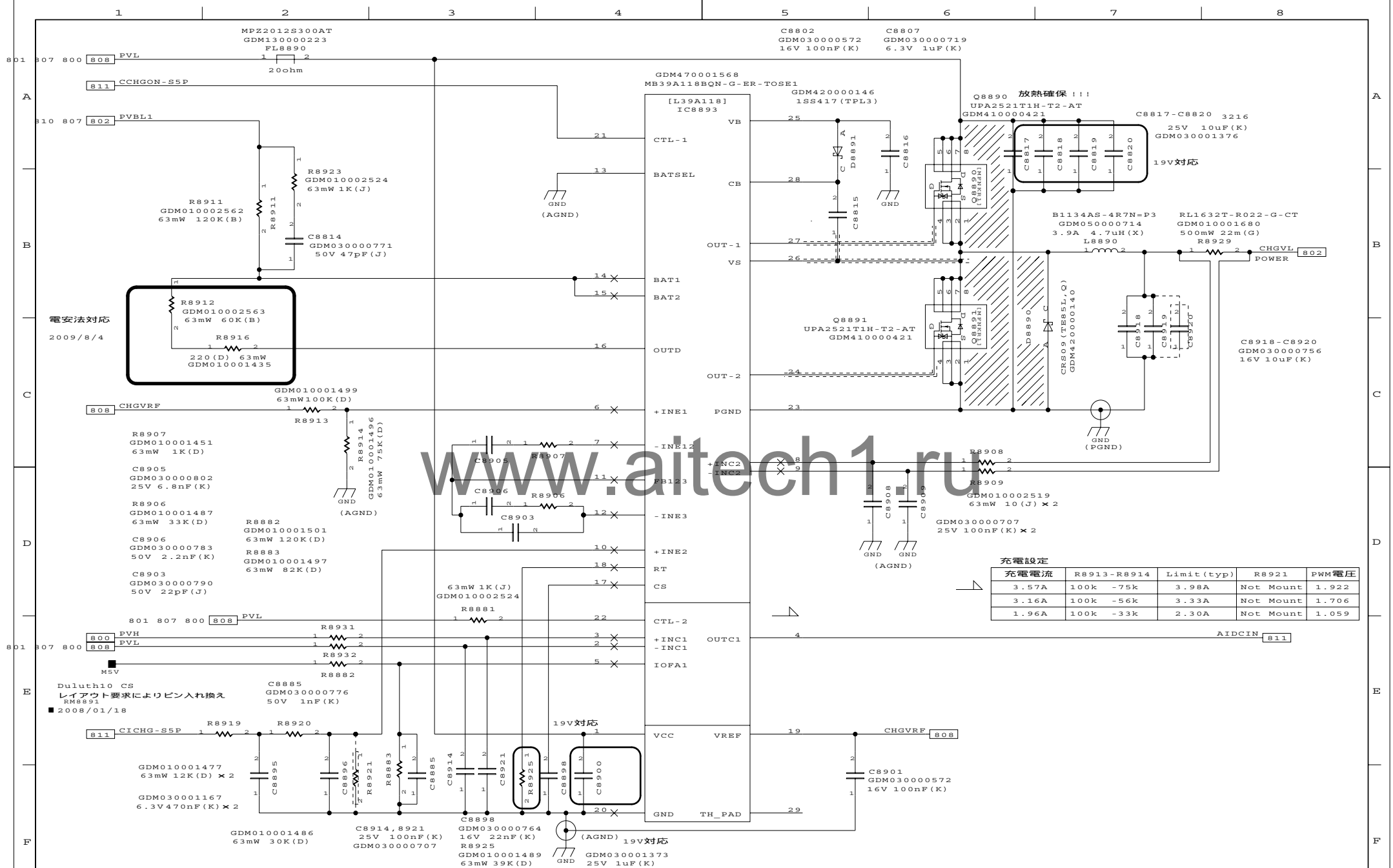
2nd-Battery 有り/無し
電流検出範囲
電流検出抵抗値
検出 IC の Gain
PSC 入力範囲

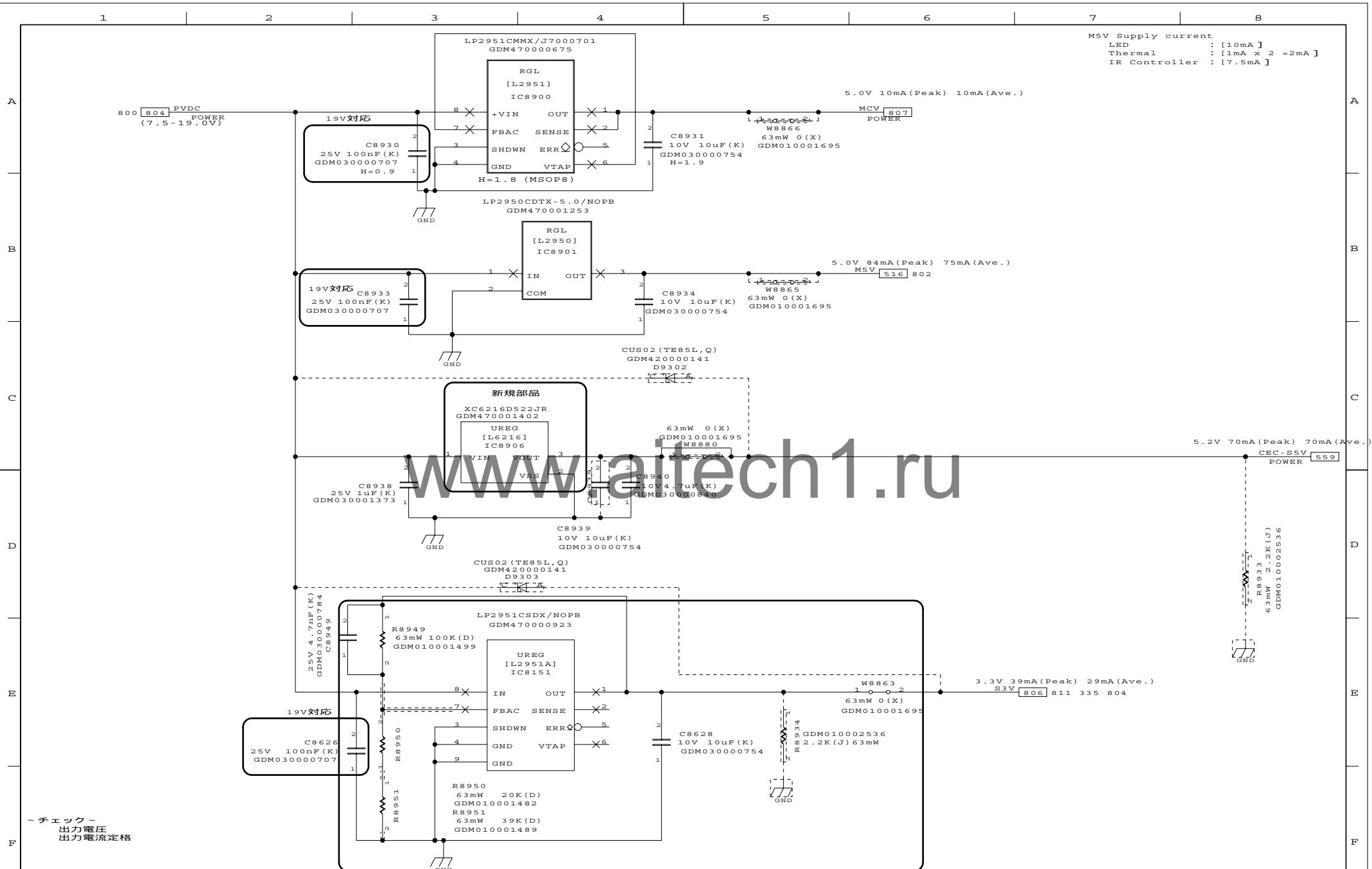
■ REF: Santa Rosa Platform (TS) . FMC8T0

DESIGNED BY	2009/3/19	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
A. Kanou		FLESY3	[PS] CURRENT AMP	807	151	00	360069893

2009.11.05 18:34

TOSHIBA CORPORATION





DESIGNED BY 2009/8/3

A. Kanou

TITLE

FLESY3

FUNCTION

[PS] S5V/S3V

SH.NO.

809

PAGE NO.

153

REV.MARK

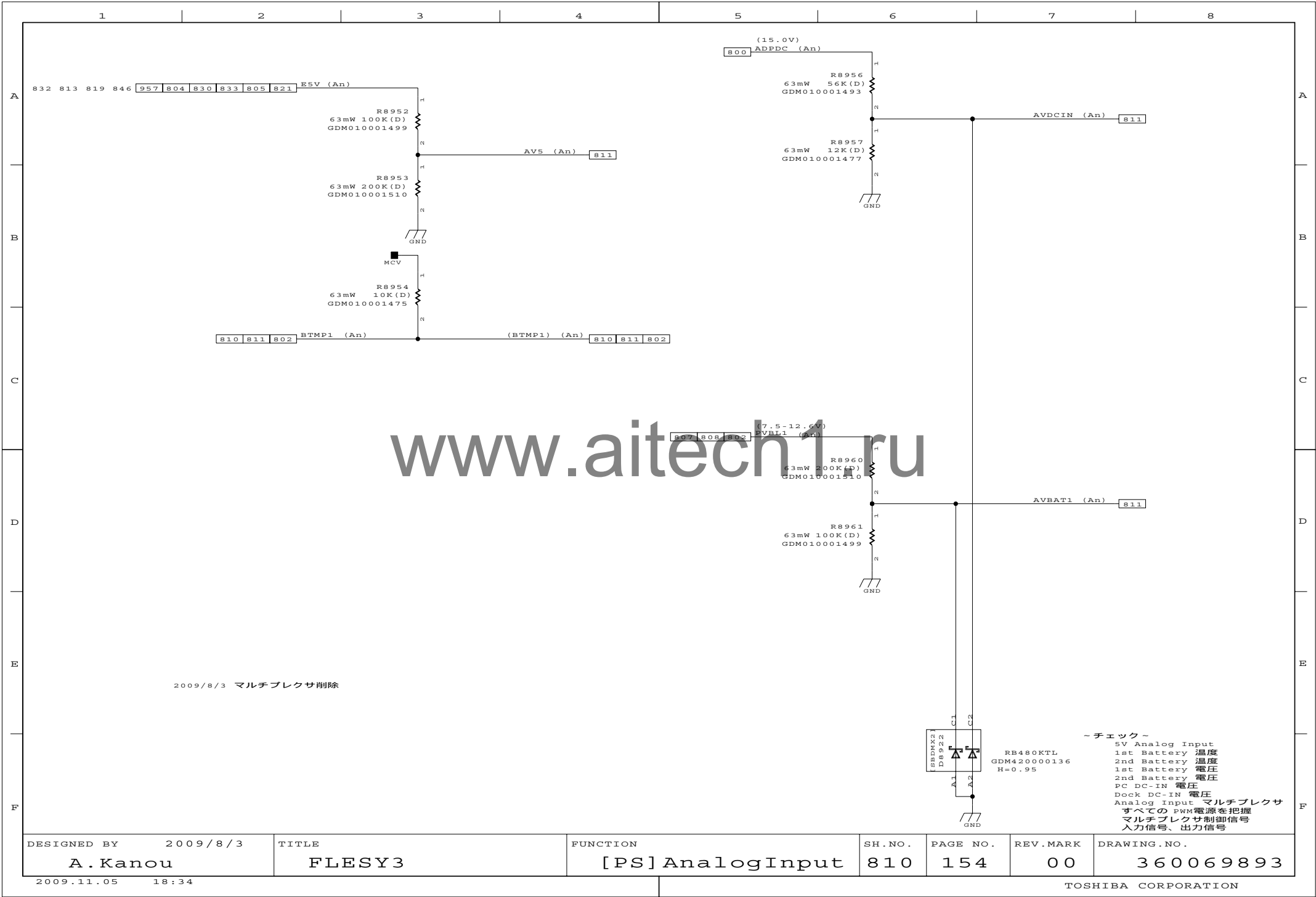
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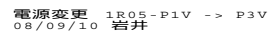
DRAWING.NO.

360069893

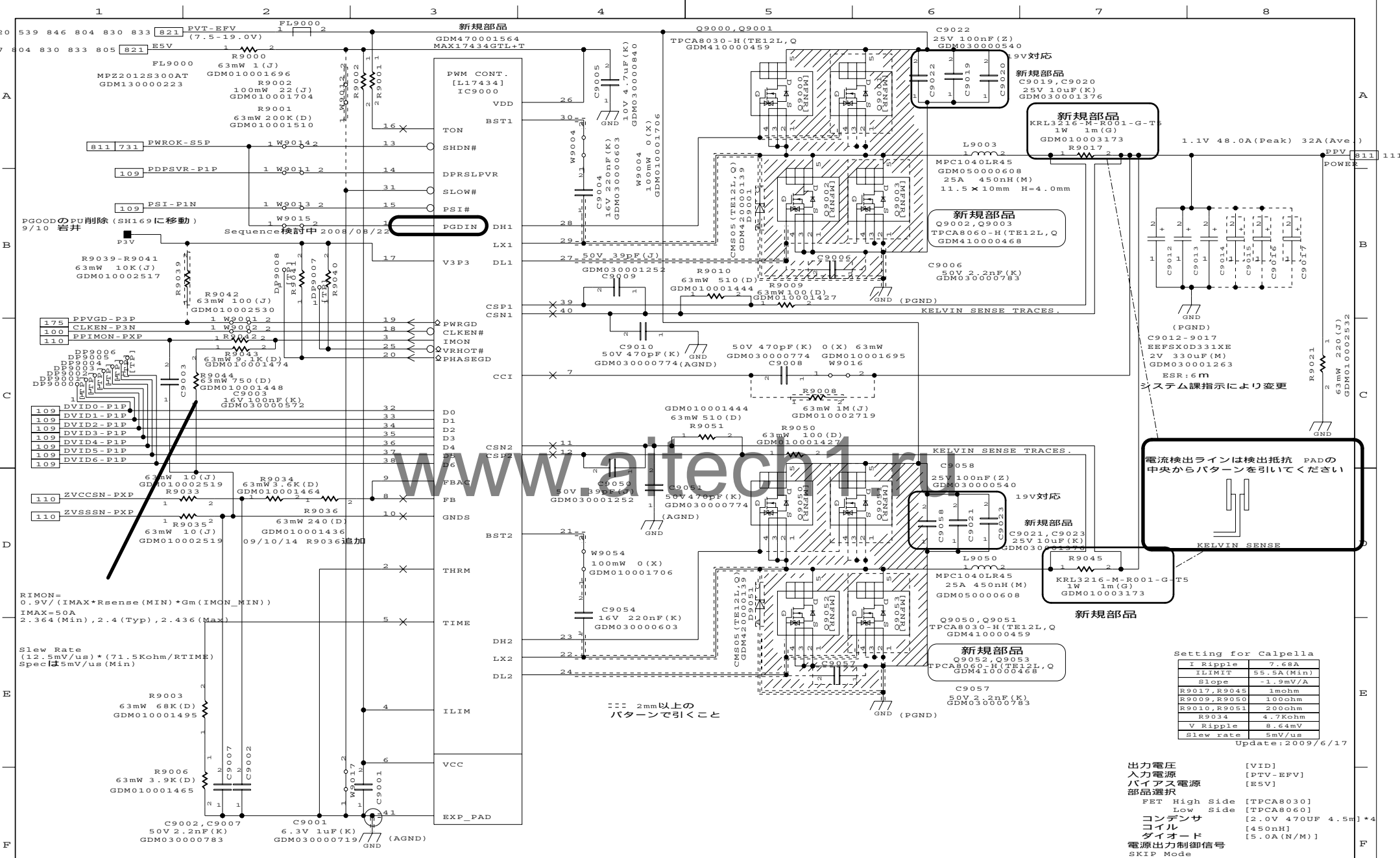
2009.11.05 18:34

TOSHIBA CORPORATION





PTVPGD PPVGD信号生成回路削除	2009/7/16	狩野
CKPWGD-P3P生成回路 システム回路 (Sh100) に移動	2009/7/16	狩野



DESIGNED BY 2009/10/14

A. Kanou

TITLE

FLESY3

FUNCTION

[PS] CPUVCC

SH.NO.

813

PAGE NO.

157

REV.MARK

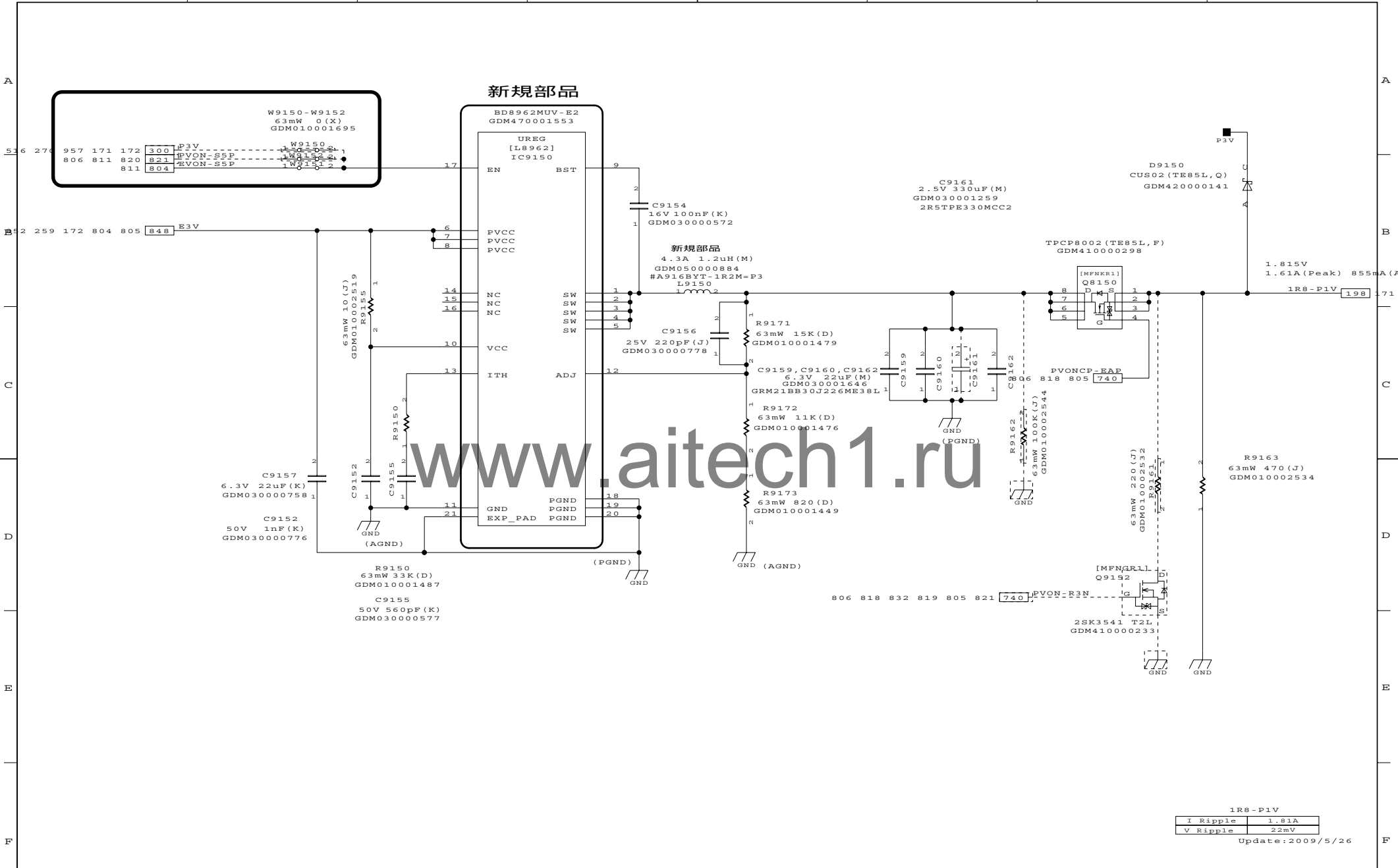
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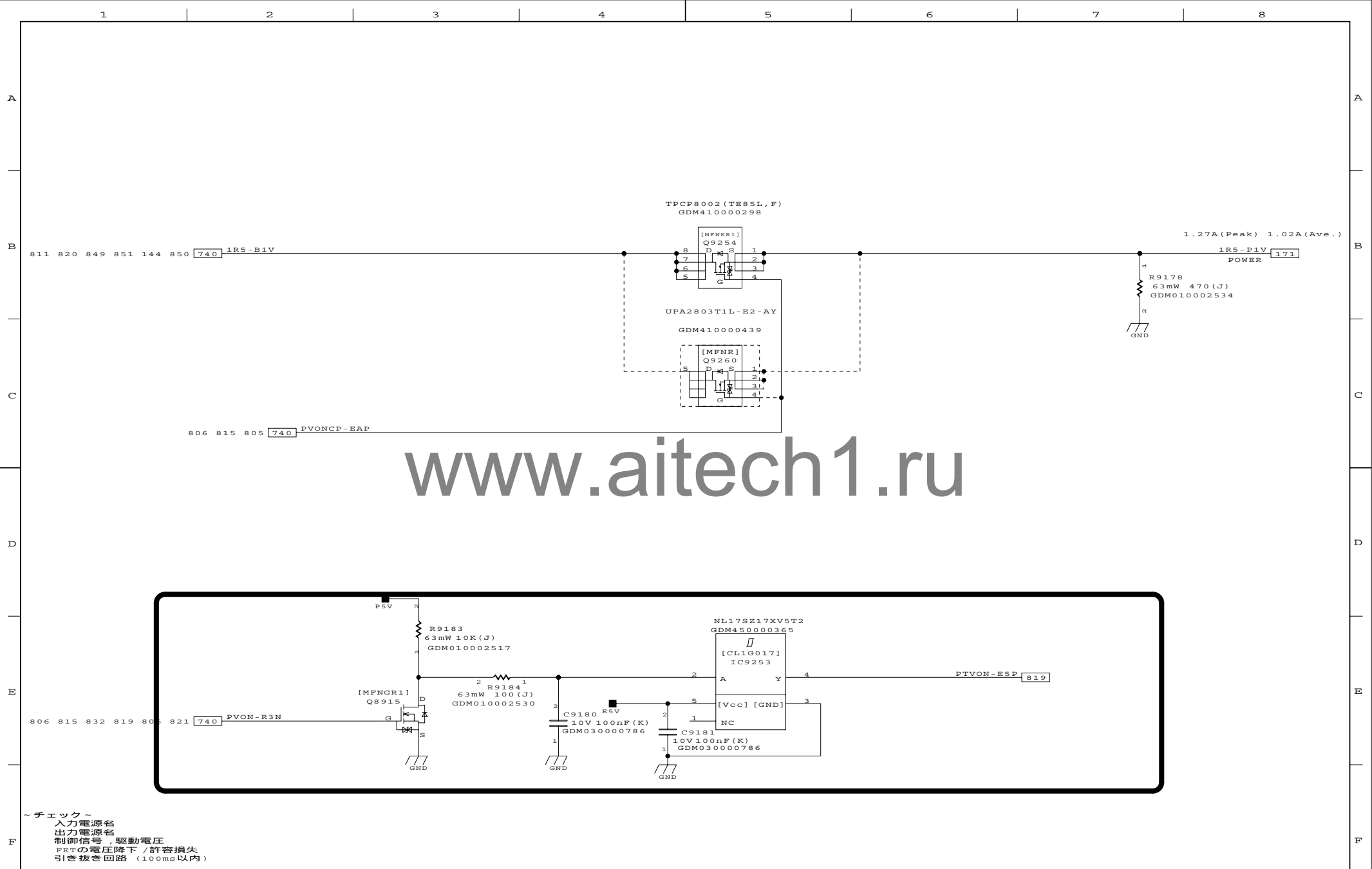
DRAWING.NO.

360069893

2009.11.05 18:34

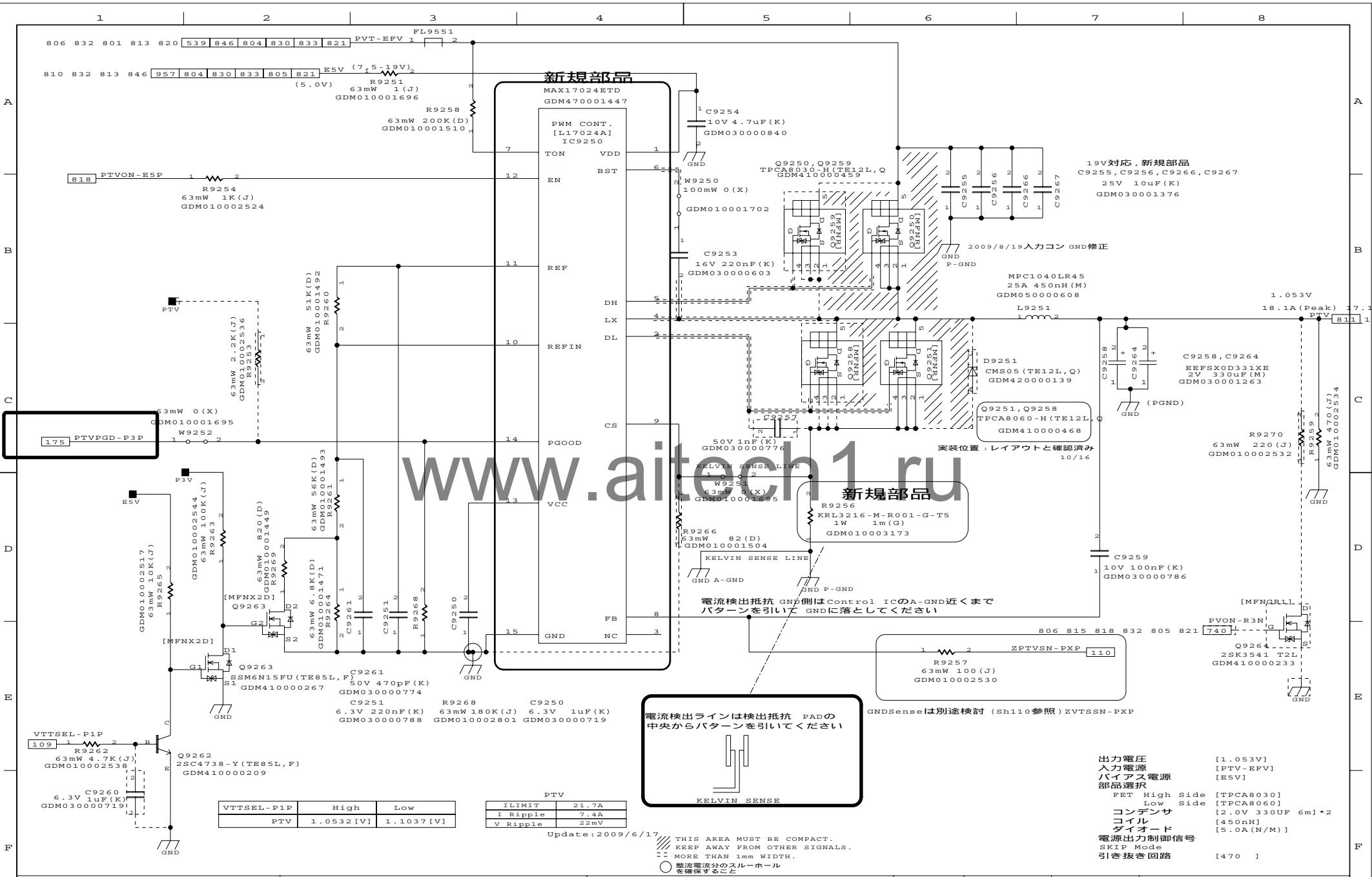
TOSHIBA CORPORATION

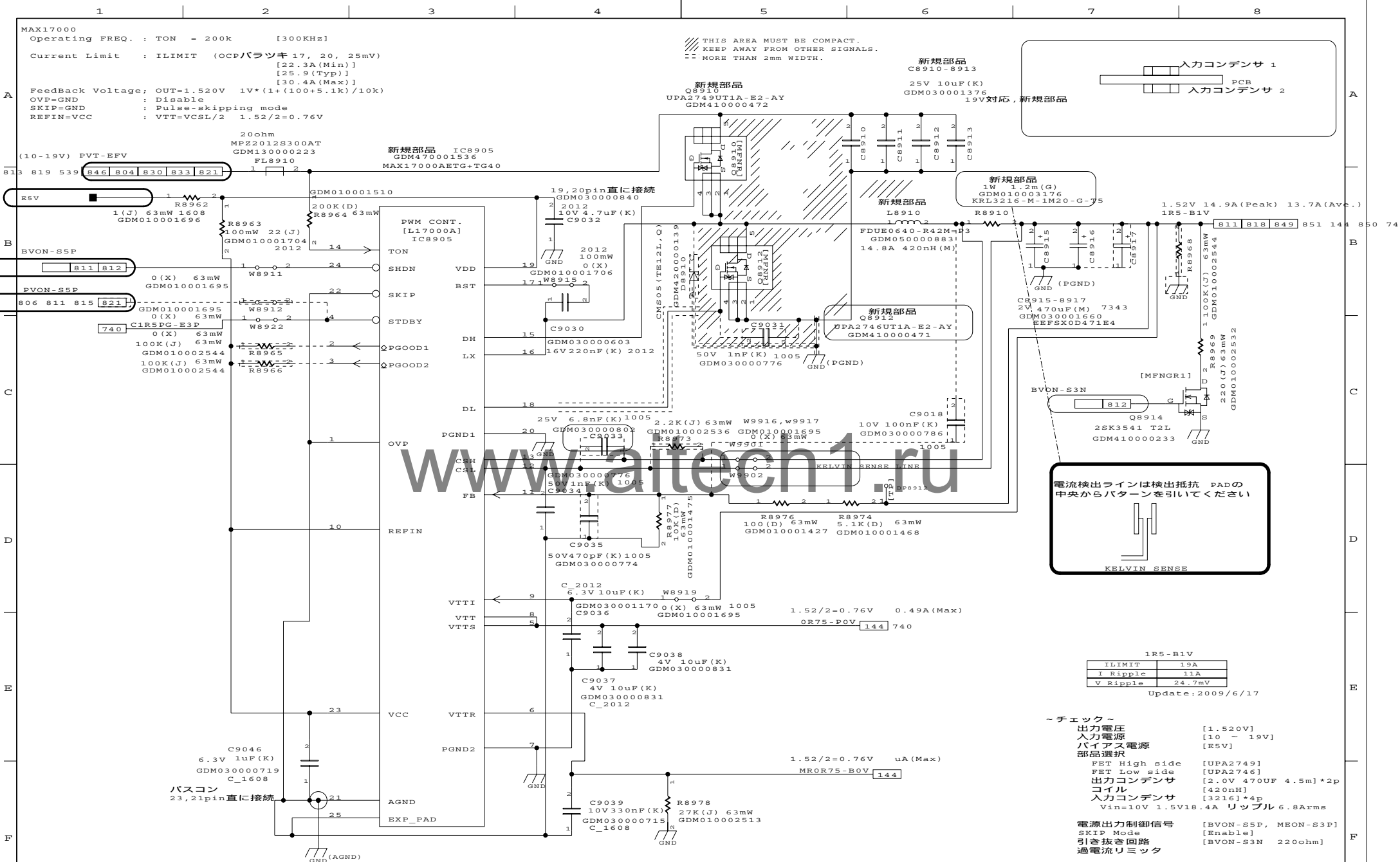




~チェック~
入力電源名
出力電源名
制御信号, 駆動電圧
FETの電圧降下 / 許容損失
引き抜き回路 (100ms 以内)

DESIGNED BY	2009/8/3	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
A. Kanou		FLESY3	[PS] LOAD SW2	818	159	00	360069893
2009.11.05	18:34						TOSHIBA CORPORATION





A



KELVIN SENSEI

Update: 2009/6/17

～チェック～

[1.076V]
[10 ~ 19V]
[E5V]

電源出力制御信号	[BVON-S5P, MEON-S3P]
SKIP Mode	[Enable]
引き抜き回路	[470ohm]

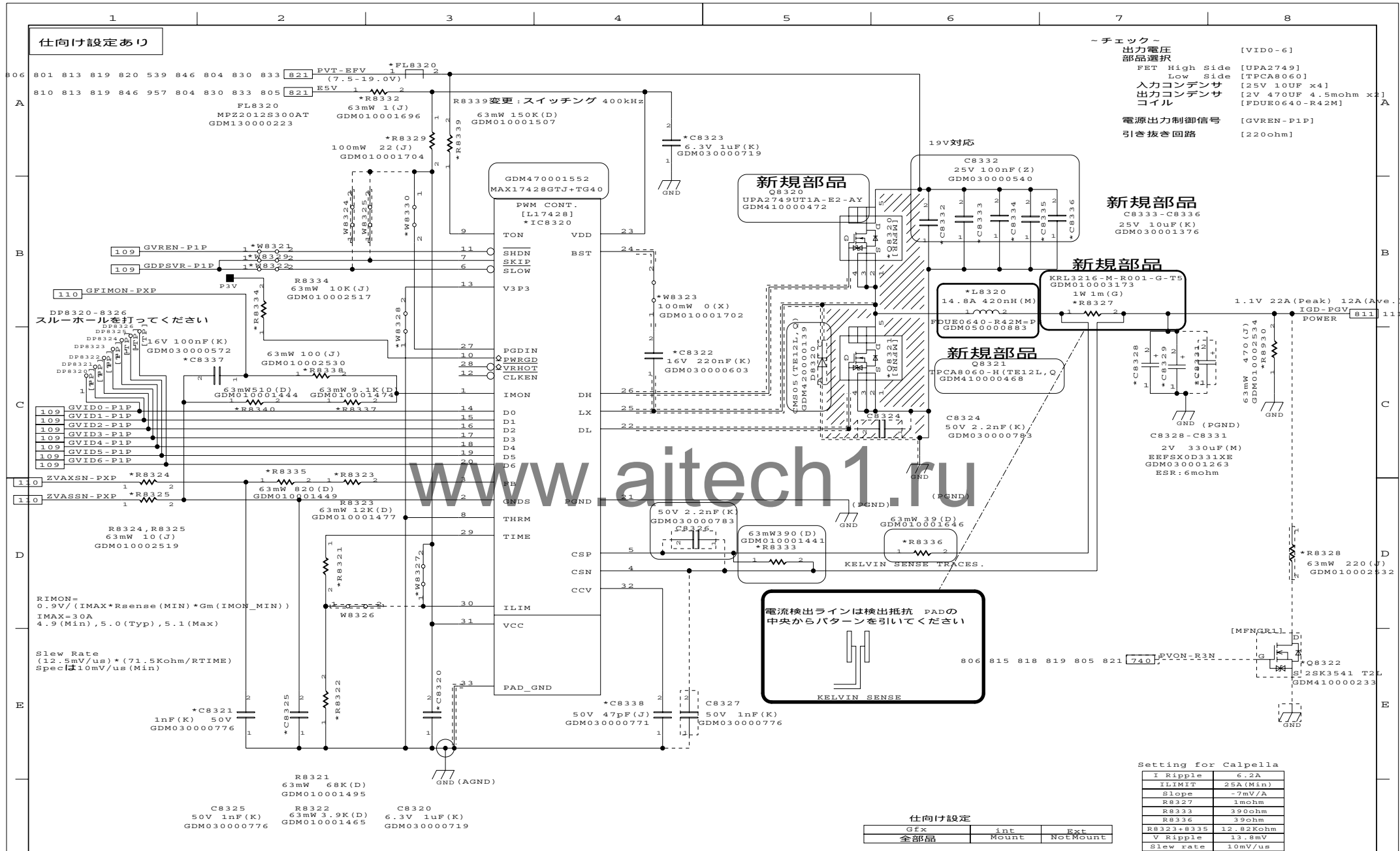
F

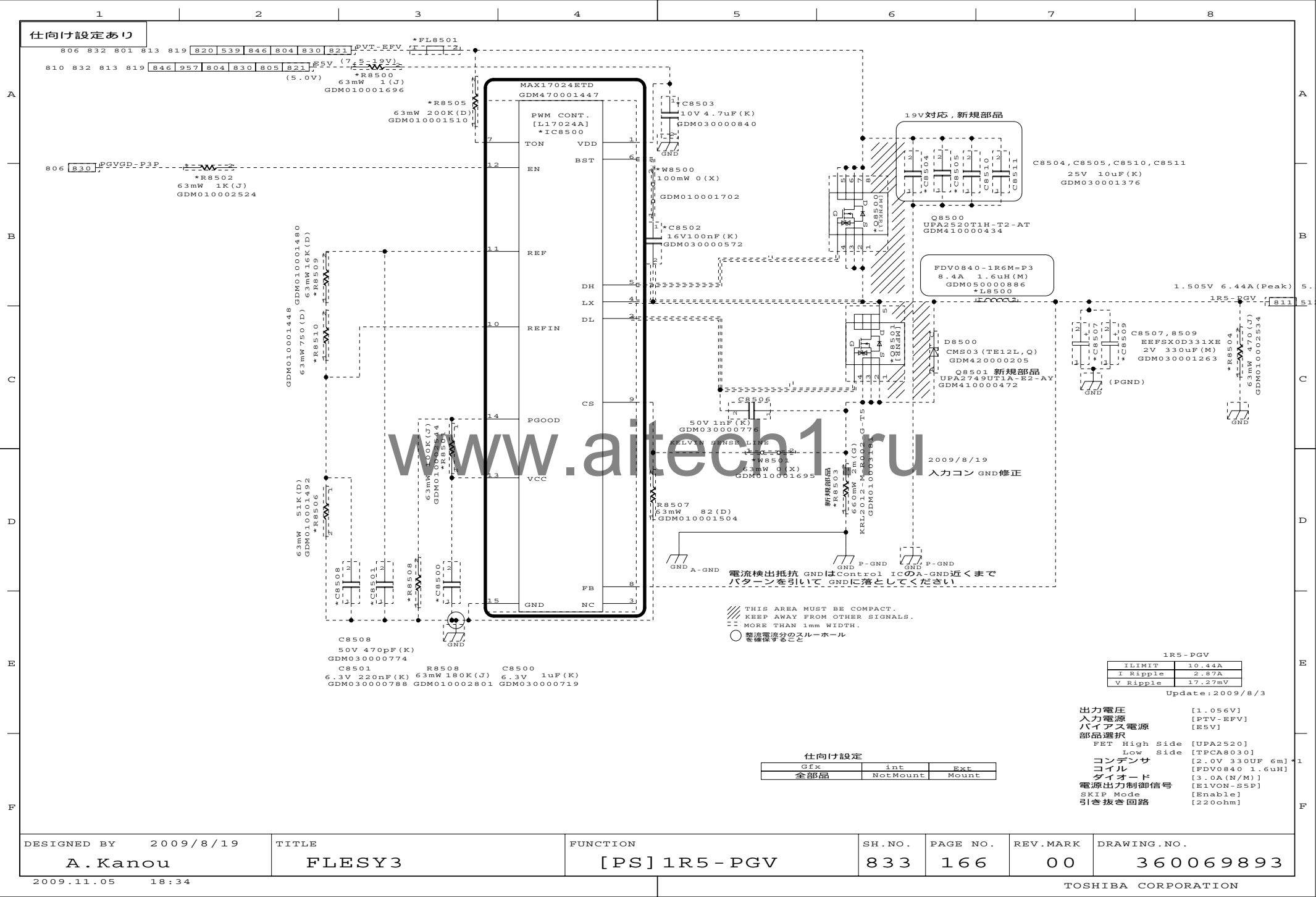


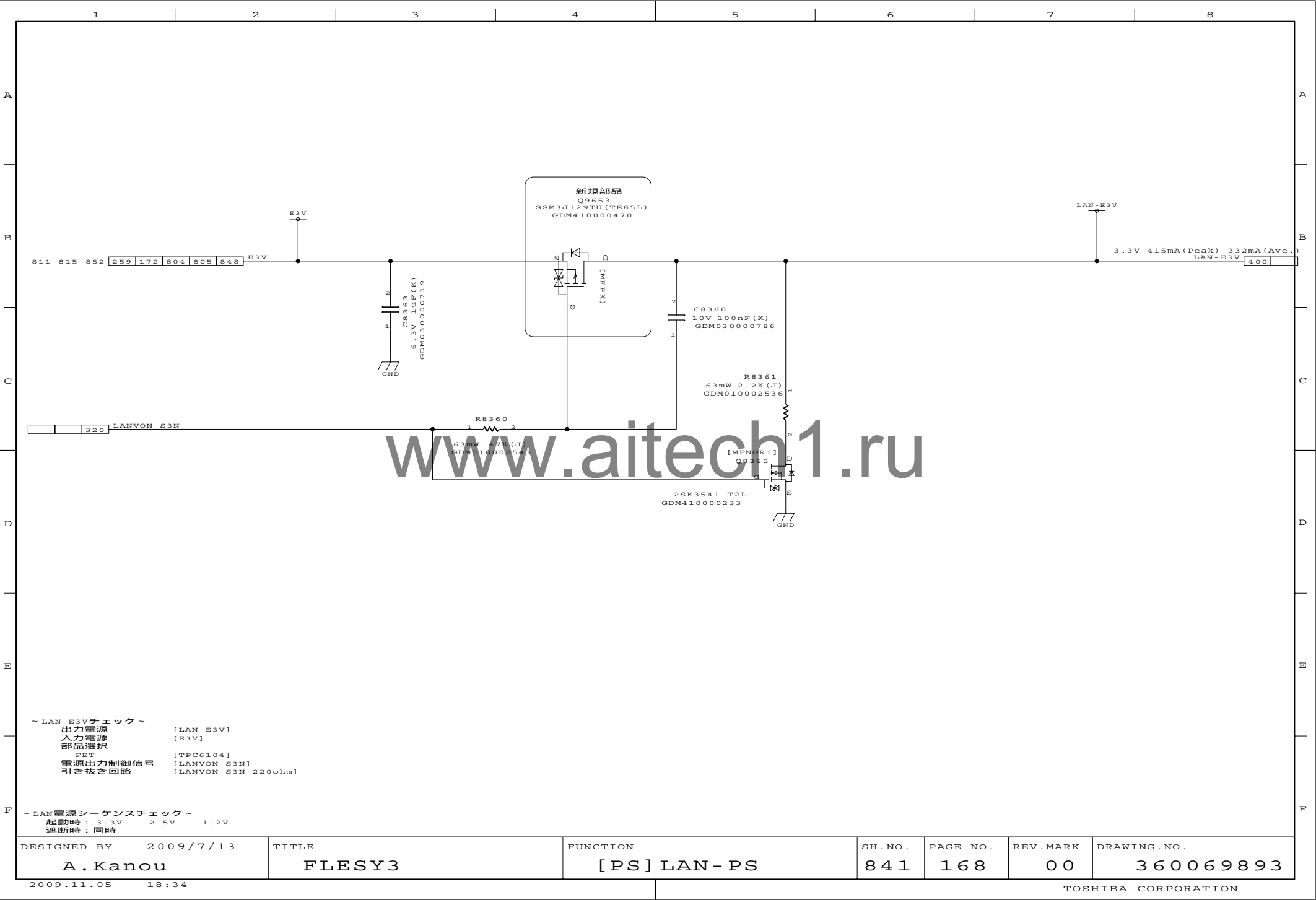
2.4-4.0V 2.5mA
R3V 806

TOSHIBA CORPORATION





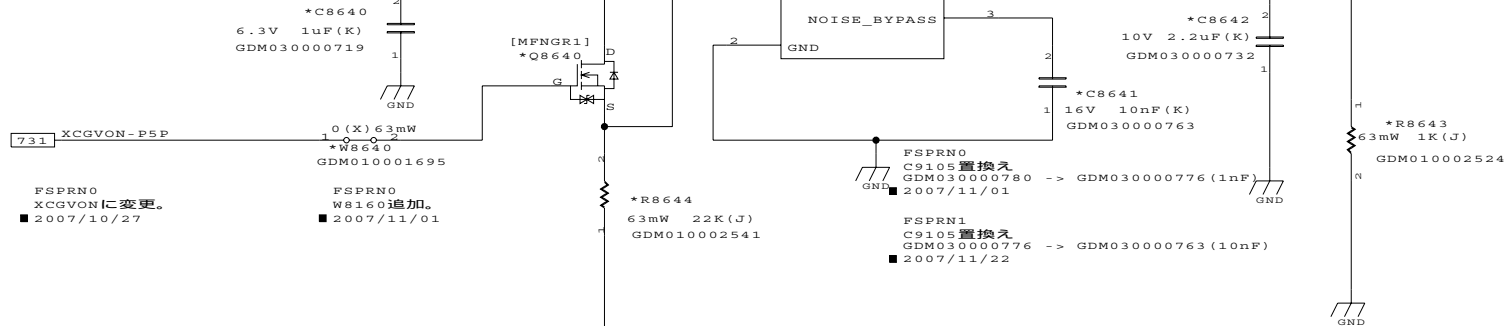




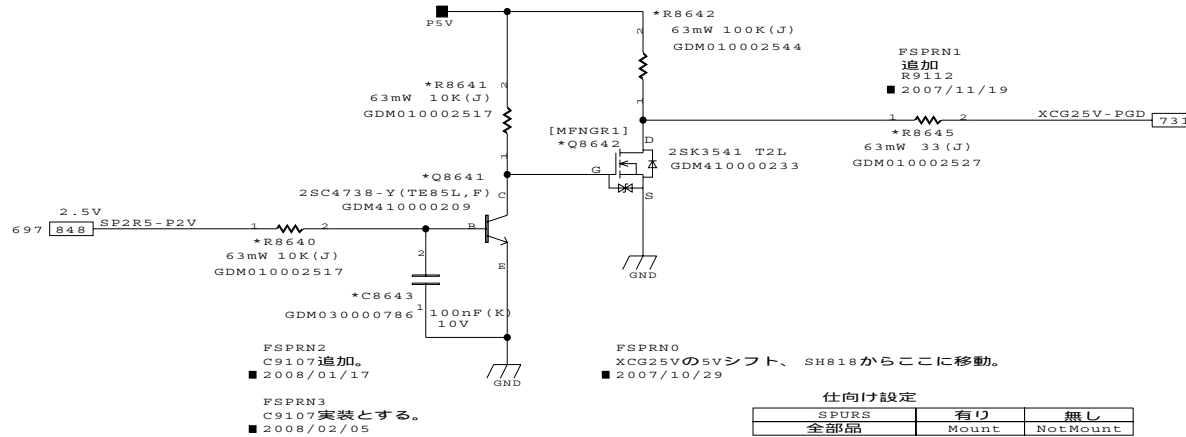
仕向け設定あり

NJM2881F25-A(TE1)
GDM470000907

XCG25V

2.51V 125mA(Max.)
SP2R5-P2V 697 848
POWER

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DESIGNED BY 2009/6/3

A. Kanou

TITLE

FLESY3

FUNCTION

[PS] SP2.5V(tmp)

SH.NO.

848

PAGE NO.

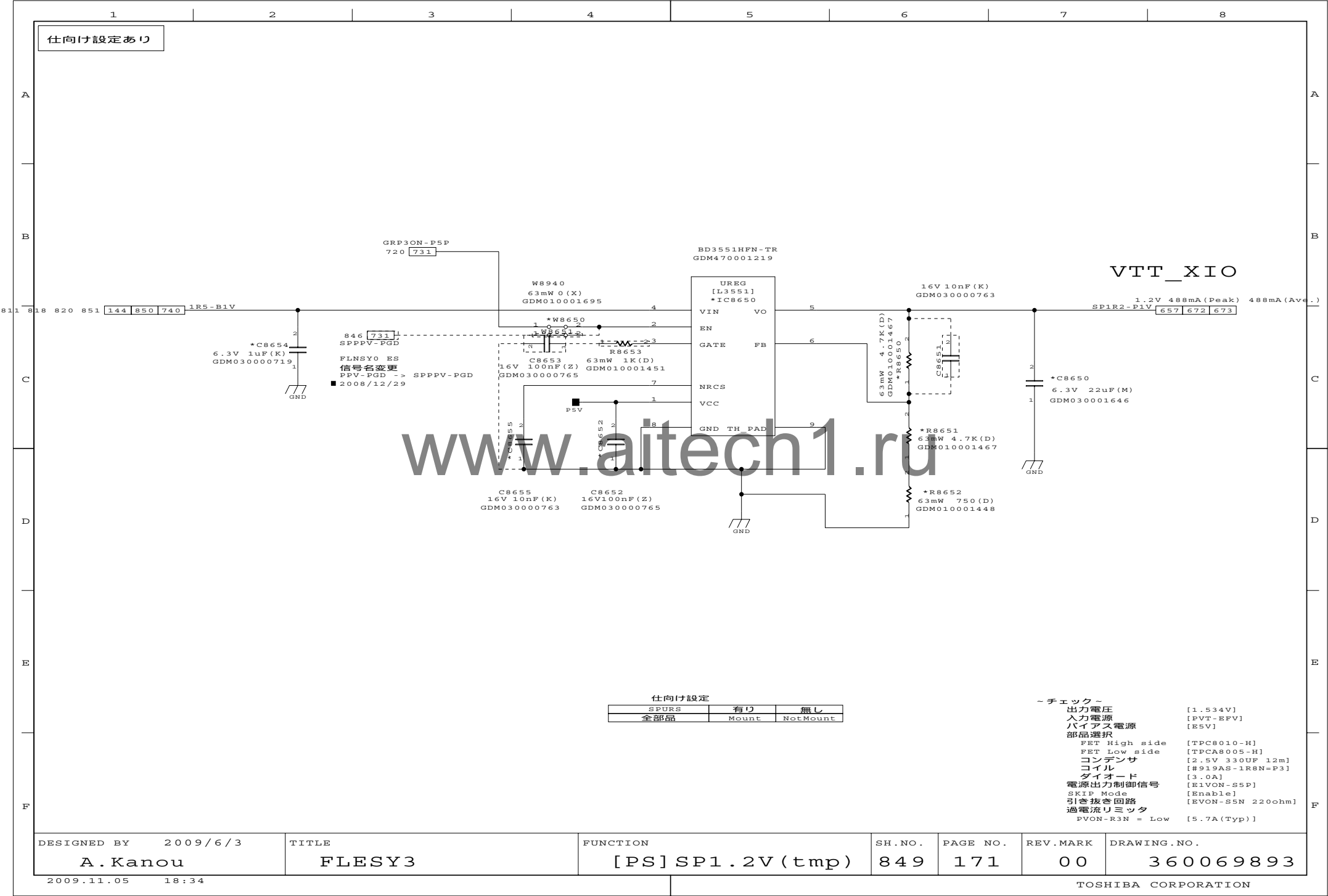
170

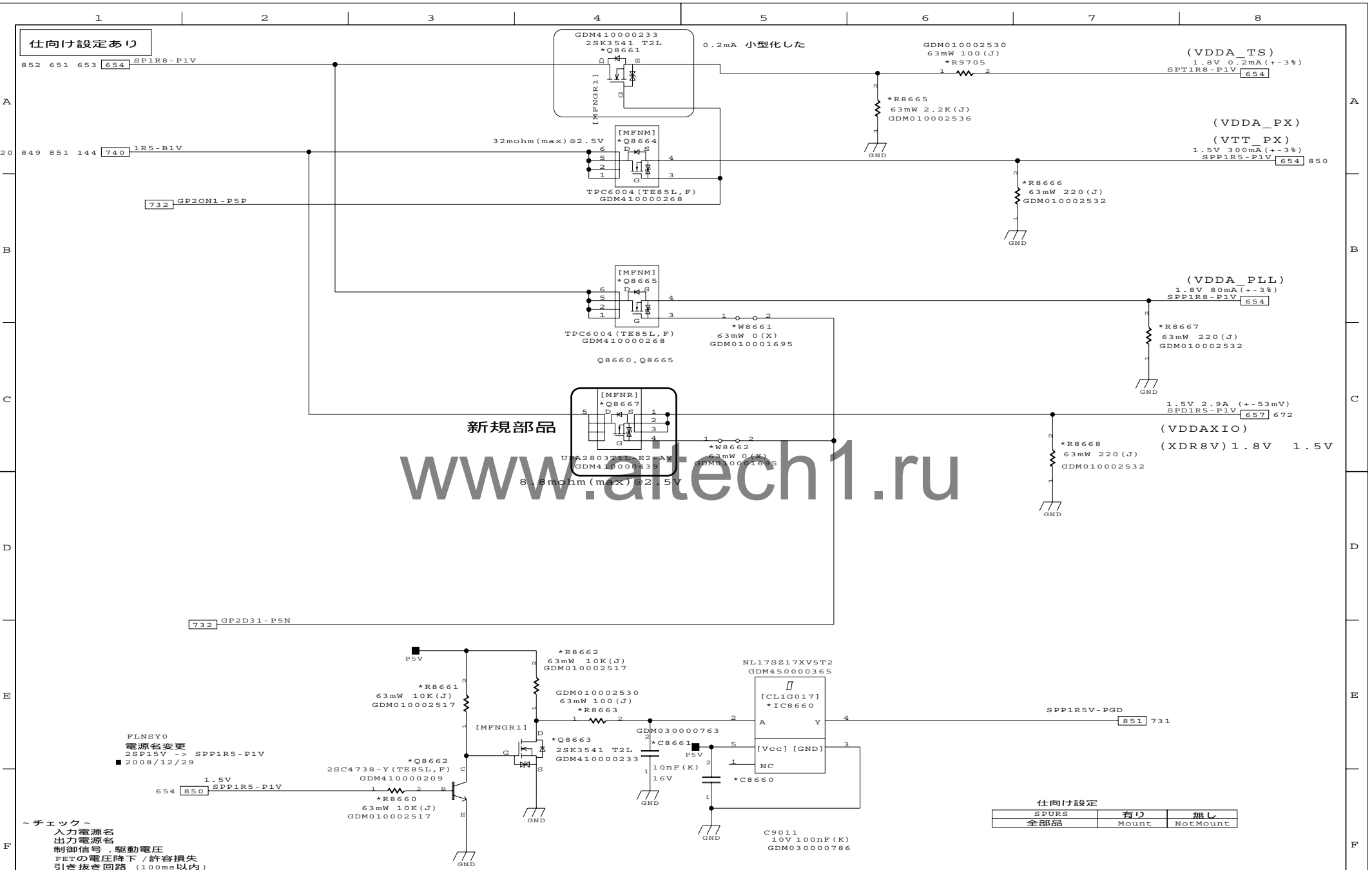
REV.MARK

00

DRAWING.NO.

360069893





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DESIGNED BY 2009/8/3

A. Kanou

TITLE

FLESY3

FUNCTION

[PS] SP LOAD SW

SH.NO.

850

PAGE NO.

172

REV.MARK

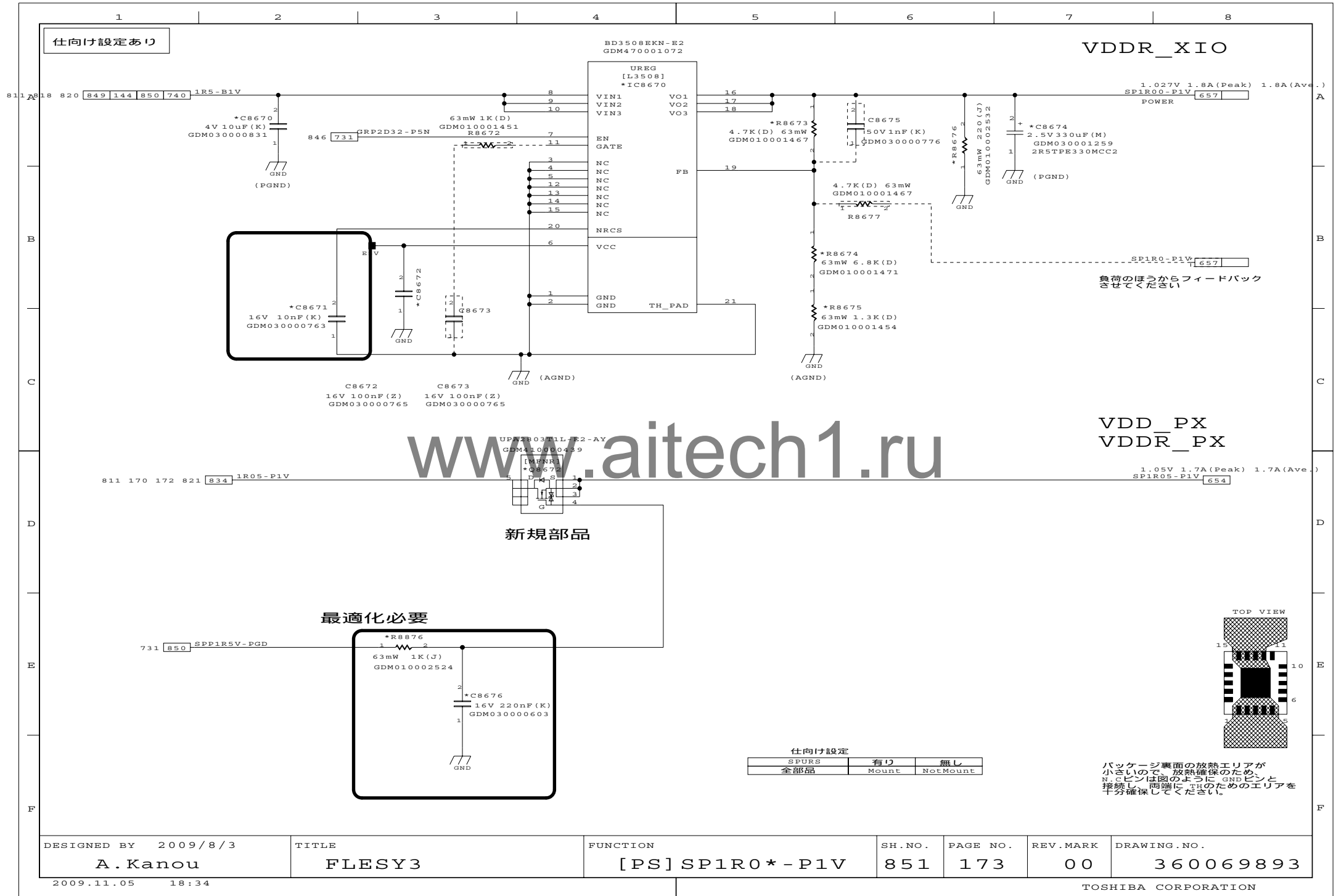
00

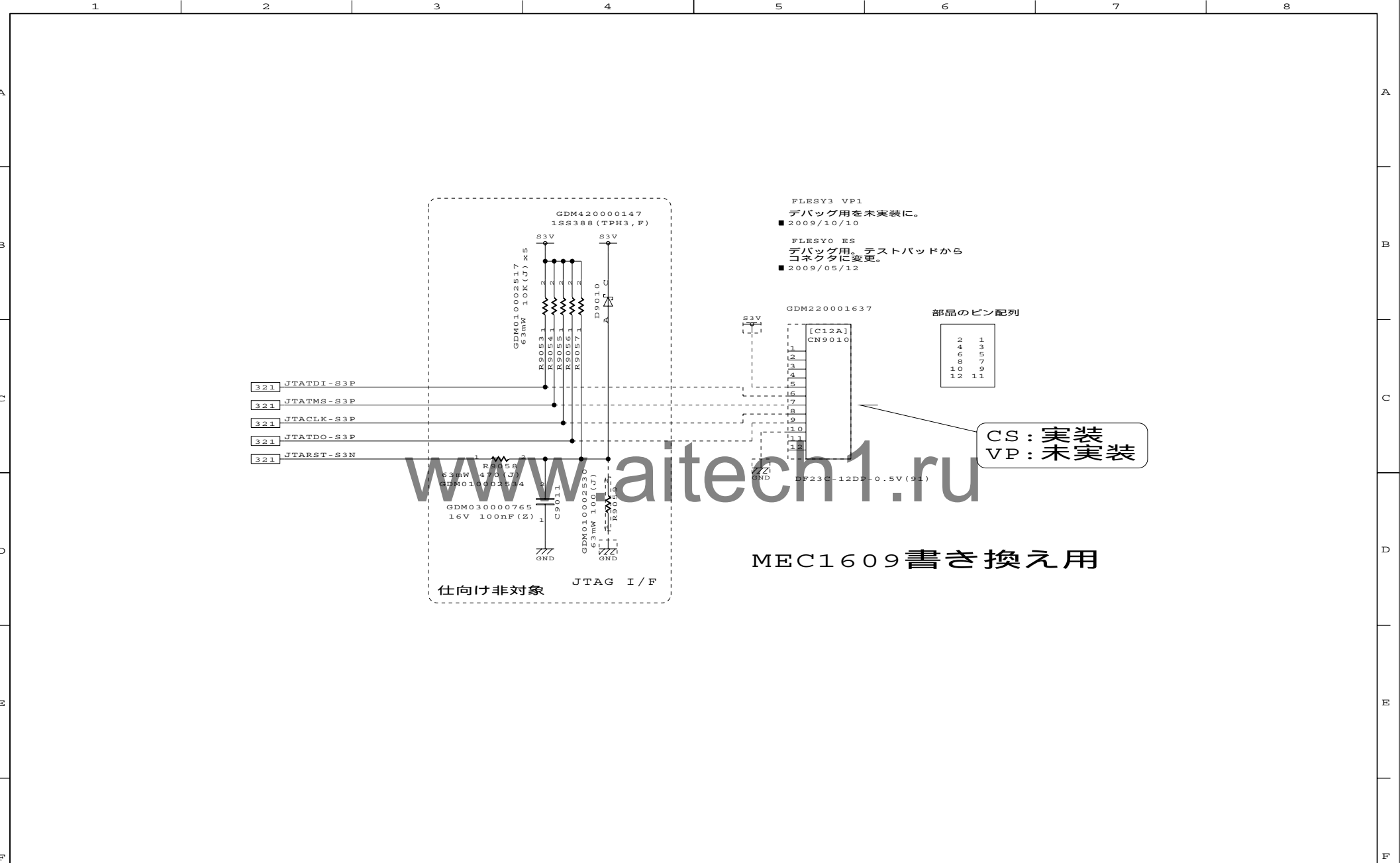
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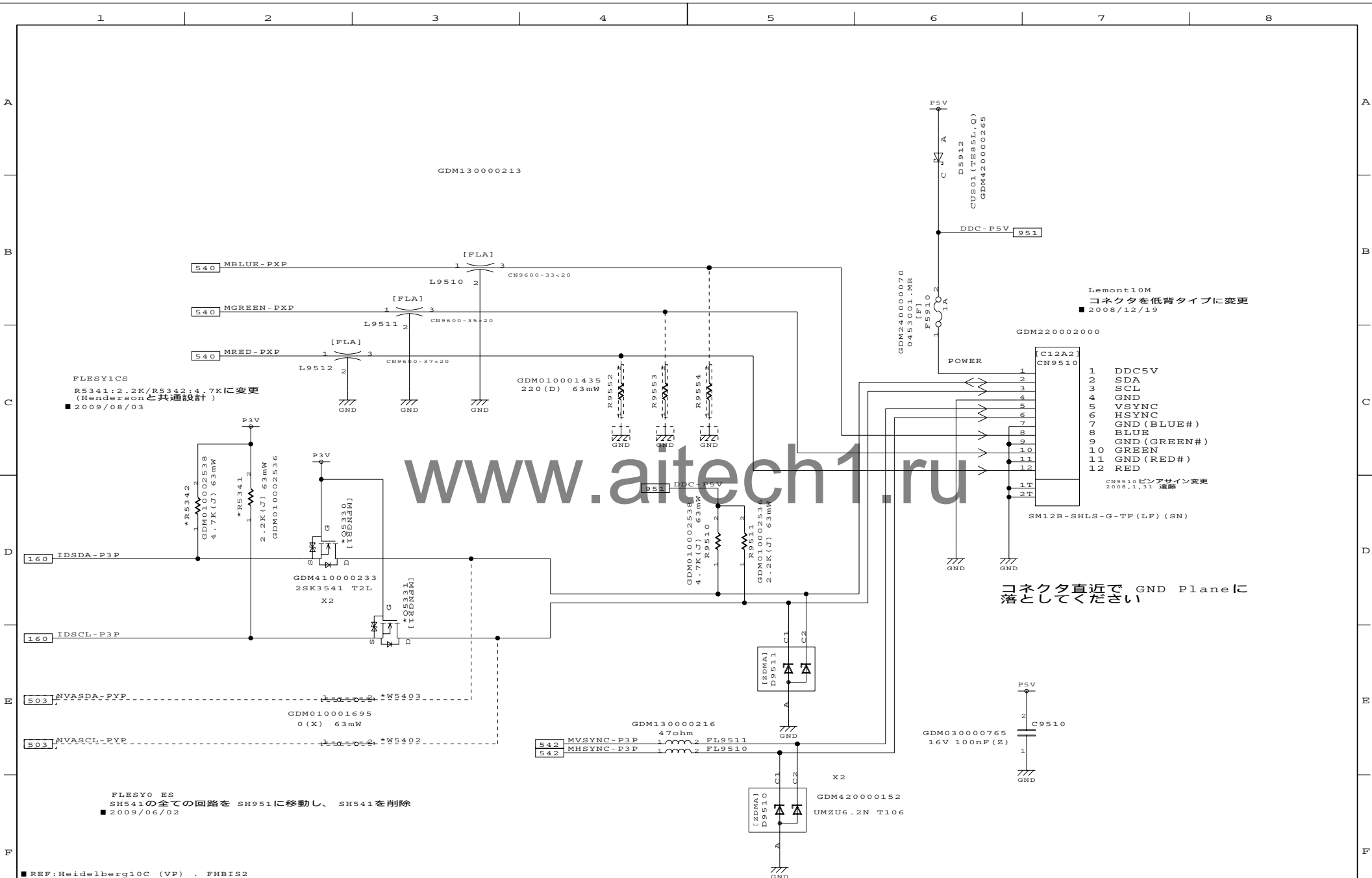
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DESIGNED BY 2007/11/22

T.Naruse/T.Ichimura

TITLE

FLESY3

FUNCTION

RGB Unit I/F

SH.NO.

951

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TOSHIBA CONFIDENTIAL

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A

A

B

B

C

C

D

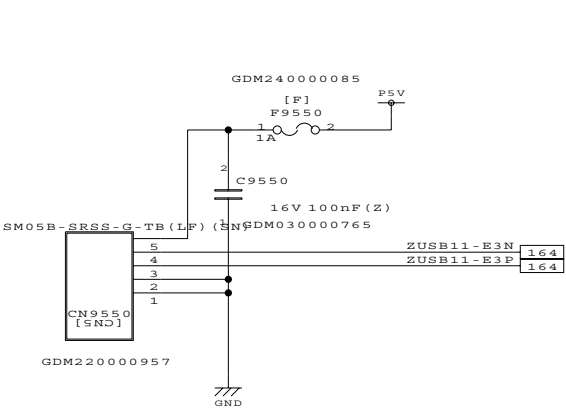
D

E

E

F

F



FLNSY0
USB信号名を LEMONT用に変更。
■ 2008/12/19

FLNSY0 ES
ZUSBP0に信号名変更
■ 2009/02/04

FLNSY0 ES
ZUSBP6に信号名変更
■ 2009/02/05

FLESY0 ES
ZUSBP5に信号名変更
■ 2009/03/26

FLESY0 ES
ZUSB11に信号名変更
■ 2009/06/10

FLNSY0 ES
レイアウト要求により、
CN9550の信号アサイン変更。
■ 2009/02/03
FLNSY0 ES
CN9550 変更。
GDM220000954 -> GDM220000957
■ 2009/06/09

www.aitech1.ru

Ref:NewJersey10 ES (FNJSY0)

ew

DESIGNED BY	2009/10/20	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K. Senuma		FLESY3	Web Camera I/F	955	177	00	360069893

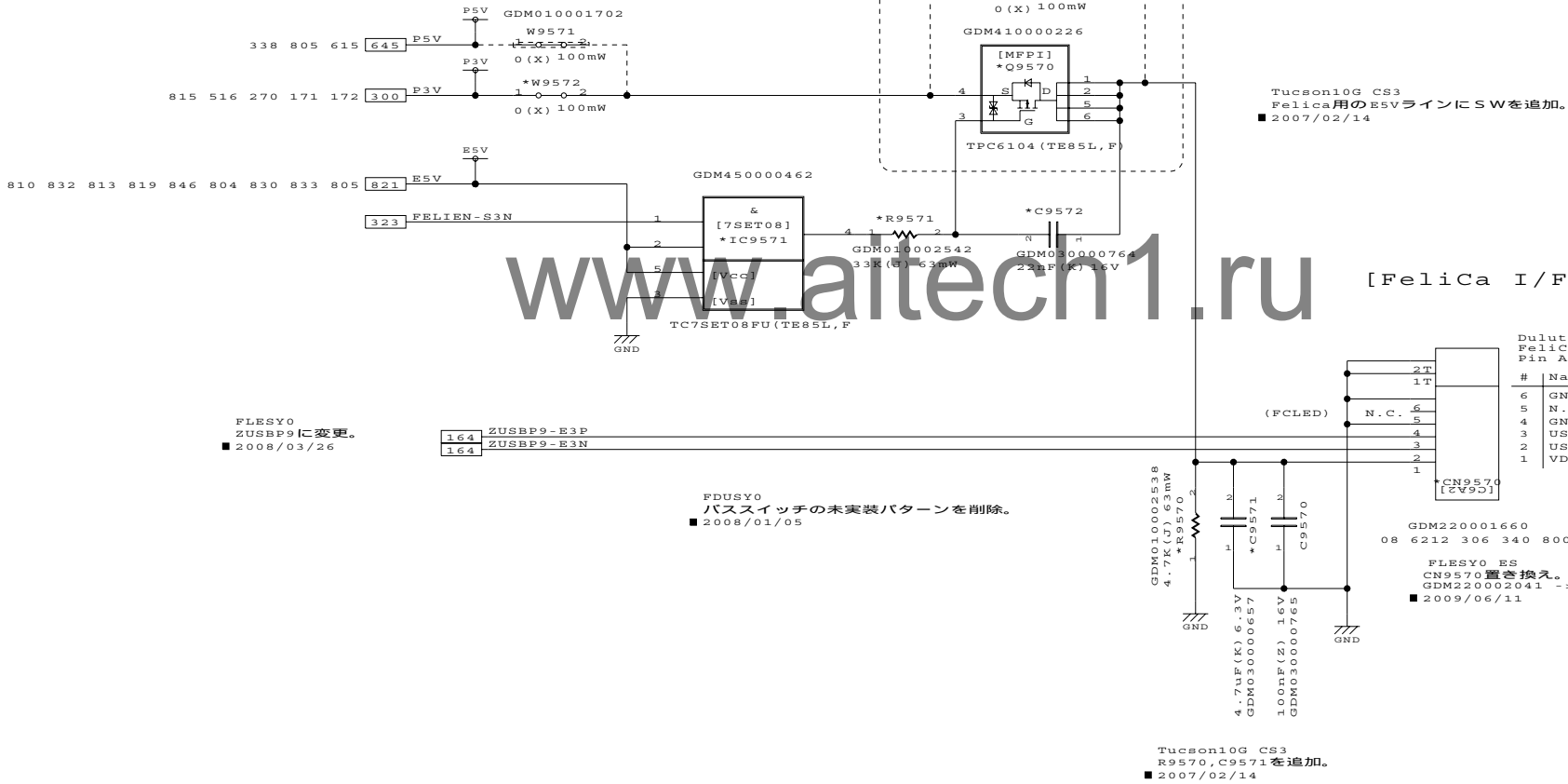
仕向け設定有

	Felica	
	有	無
下記を除く全て	Mount	Not Mount
C9570	Mount	Mount
W9570 ,W9571	Not Mount	Not Mount

FLNSY0 ES
E 5 VをP 5 VとP 3 Vの切り替えに変更。
P 3 Vは、R2.0対応。
■ 2008/12/25

FLESY0 ES
Felica担当依頼により、
デフォルト =P3Vに変更。
■ 2009/05/19

セットで配置してください。



[Felica I/F]

Duluth10
Felica I/F Unit
Pin Assignment

#	Name
6	GND
5	N.C.
4	GND
3	USB+
2	USB-
1	VDD

GDM220001660
08 6212 306 340 800 +

FLESY0 ES
CN9570 置き換え。
GDM220002041 -> GDM220001660
■ 2009/06/11

Tucson10G CS3
R9570,C9571を追加。
■ 2007/02/14

REF:New

DESIGNED BY	2009/10/20	TITLE	FUNCTION	SH.NO.	PAGE NO.	REV.MARK	DRAWING.NO.
K.Senuma		FLESY3	FELICA I/F	957	178	00	360069893

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仕向け設定有

	CECマイコン	
	あり	なし
W9651	未実装	実装
W9652	未実装	実装
IC9650	実装	未実装
R9656	4.7K	2.2K
R9657	4.7K	2.2K
RM3214 (SH.321)	4.7K	未実装
W3230 (SH.321)	実装	未実装
W3211 (SH.321)	実装	未実装

万一、Q9650を使用する時は、
TOCHEN-S3Nを5Vシフトして
用いること。

FLESY0 ES
信号名変更。
TOCHEN-S5N -> TOCHEN-S3N
■ 2009/05/19

FLESY0 ES
信号名変更。
ATTEN-S5P -> ATTEN-S3P
■ 2009/05/19

FLESY0 ES
Q9650, R9650, C9650を未実装にする。
W9650を実装。
■ 2009/05/19

セットで配置してください。

Tucson10 ES
タッチセンサー・インタフェース変更
■ 2006/11/21

FLESY0 ES
R9651, C9652を未実装にする。
■ 2009/05/19

FLESY0 ES
R9655, R9656, R9657を
未実装にする。
■ 2009/05/19

FLESY1 CS
CN9650
信号アサイン変更。
■ 2009/08/06
FLESY0 ES
CN9650
信号アサイン変更。
■ 2009/06/18

FLESY0 ES
IC9650を未実装にする。
■ 2009/05/19

FLESY0 ES
Pin9にRESET (Hアクティブ)を追加。
■ 2009/05/19
FLESY0 ES
Pin1変更。
GND -> S3V
■ 2009/06/11

REF:Utah10 (FUTSY1)

DESIGNED BY 2009/10/20

K. Senuma

TITLE

FLESY3

FUNCTION

Touch Sensor I/F

SH.NO.

965

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