

Honolulu

Pre-MP BUILD

2007 0413

DATE	CHANGE NO.	REV

DRAWER	EE	DATE	POWER	DATE	INVENTEC			
DESIGN					TITLE HONOLULU			
CHECK								
RESPONSIBLE								
SIZE = 3					SIZE	CODE	DOC. NUMBER	REV
FILE NAME : XXXX-XXXXXX-XX					A3	CS	<i>Model No</i>	A02
P/N XXXXXXXXXXXX					SHEET 1 OF 78			

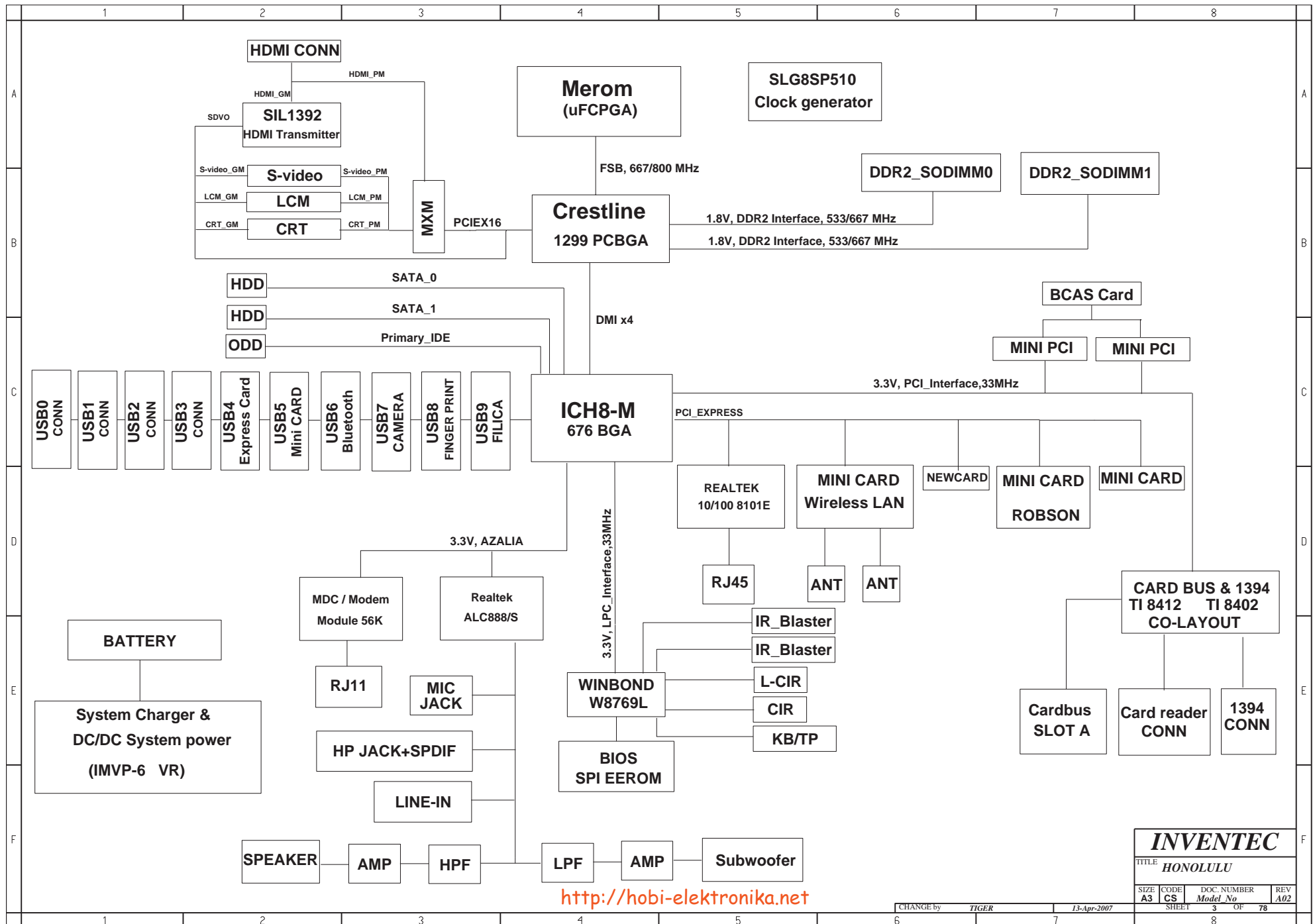
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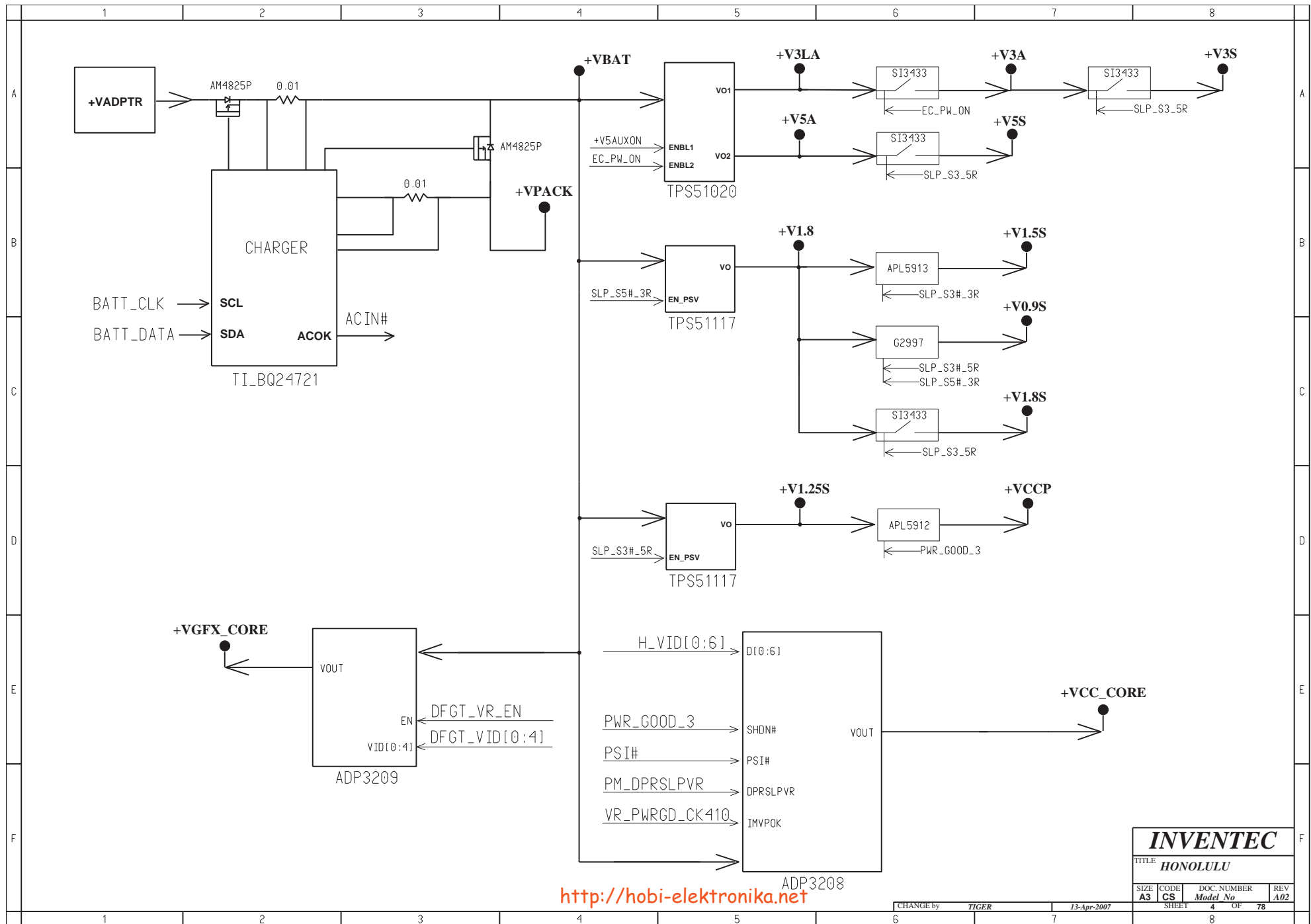
PAGE	PAGE	PAGE
1.COVER PAGE	32.S-VIDEO CONN	55.FILICA & CAMERA CONN
2.INDEX	33.LCM CONN	56.ODD CONN
3.BLOCK DIAGRAM	34. HDMI TRANSMITTER-1	57.USB CONN
4.POWER SEQUENCE BLOCK	35. HDMI TRANSMITTER-2	58.BLUE TOOTH CONN
5-12.SYSTEM POWER	36.S/B ICH8 1	59.MINI CARD
13.CLOCK GENERATOR	37.S/B ICH8 2	60.KBC
14.CPU Merom1	38.S/B ICH8 3	61.IR BLASTER
15.CPU Merom2	39.S/B ICH8 4	62.K/B CONN
16.CPU Merom3	40.S/B ICH8 5	63.HDMI CONN
17.CPU Merom4	41.CARDBUS CONTROLLER	64.AZALIA CODEC
18.FAN & THERMAL CONTROLLER	42.PCMCIA CONN	65.AUDIO AMP & H/LPF
19.N/B Crestline 1	43.5 IN 1 CARD SLOT	66.MDC 1.5 CONN
20.N/B Crestline 2	44.1394 CONTROLLER	67.PW SWITCH
21.N/B Crestline 2.1	45.EXPRESS CARD CONN	68.DB CONN
22.N/B Crestline 3	46.TV TUNNER-MASTER	69.SCREW
23.N/B Crestline 4	47.TV TUNNER-SLAVE	70.EMI
24.N/B Crescline 5	48.BCAS CARD-1	71.FINGER PRINTER
25.N/B Crestline 6	49.BCAS CARD-2	72.TOUCH PAD
26.N/B Crestline 7	50.LAN CONTROLLER	73.HOT KEY BOARD
27.DDR2 DIMM0	51.LAN POWER	74.5 WAY+BACK
28.DDR2 DIMM1	52.RJ45 & TRANSFORMER	75.AUDIO BOARD
29.DDR DAMPING	53.ROBSON & WLAN	76.LED & CIR BOARD
30.MXM(GM NA)	54.SATA HDD1 & SATA HDD2 CONN	77.VOL_VR BOARD
31.CRT CONN		78.CONFIGURATION

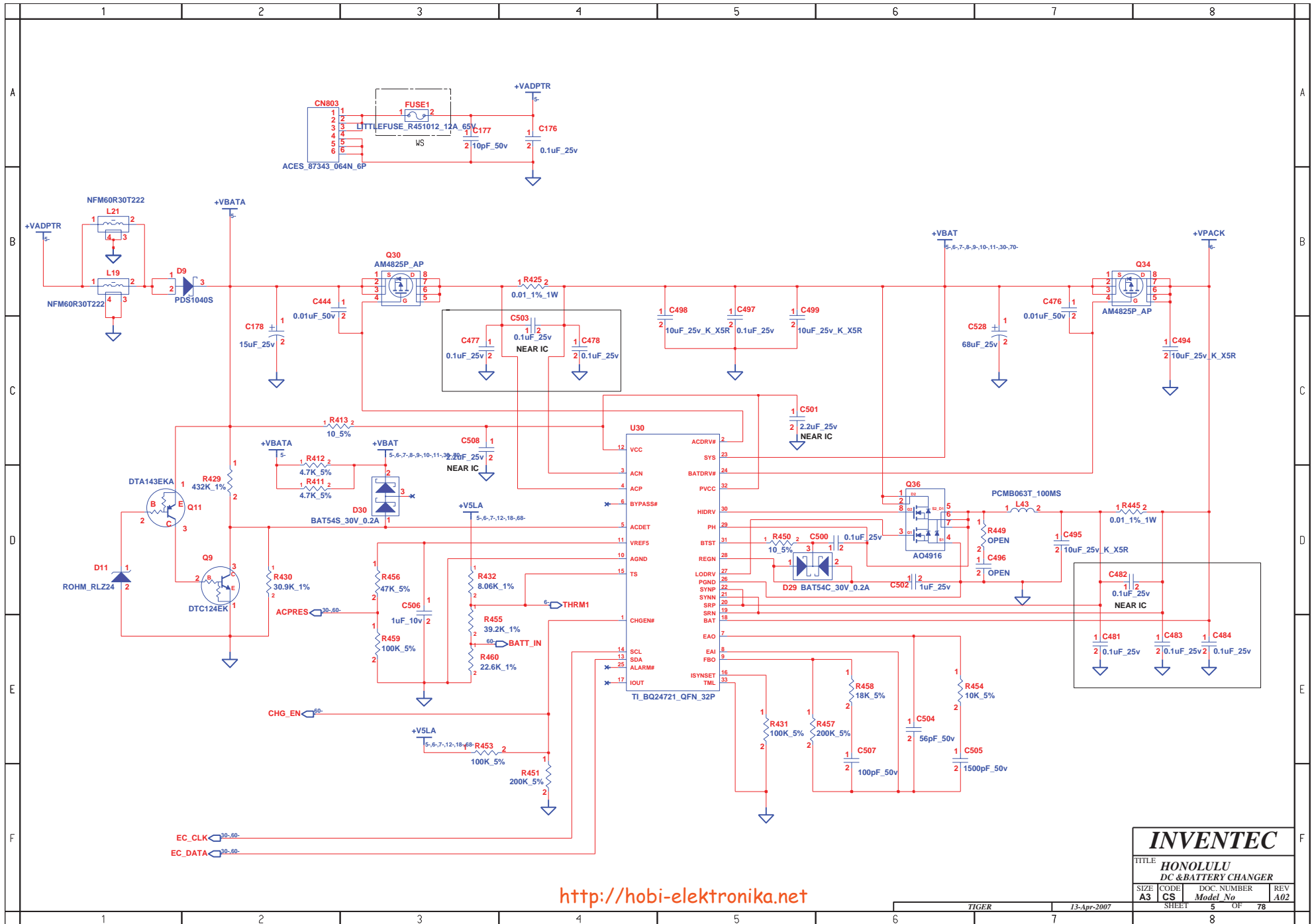
INVENTEC

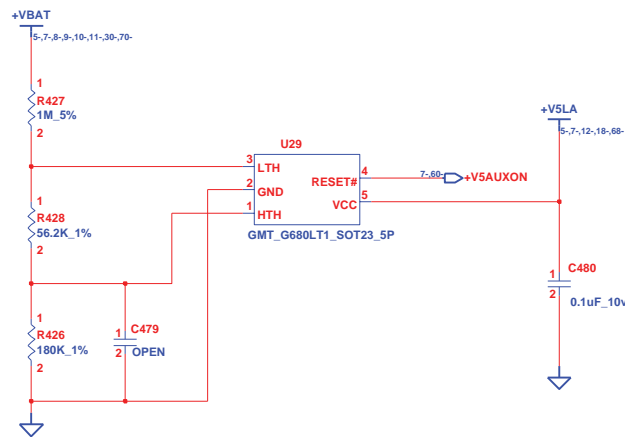
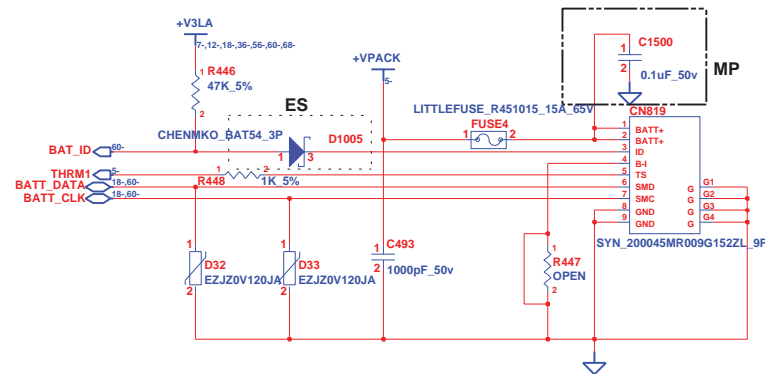
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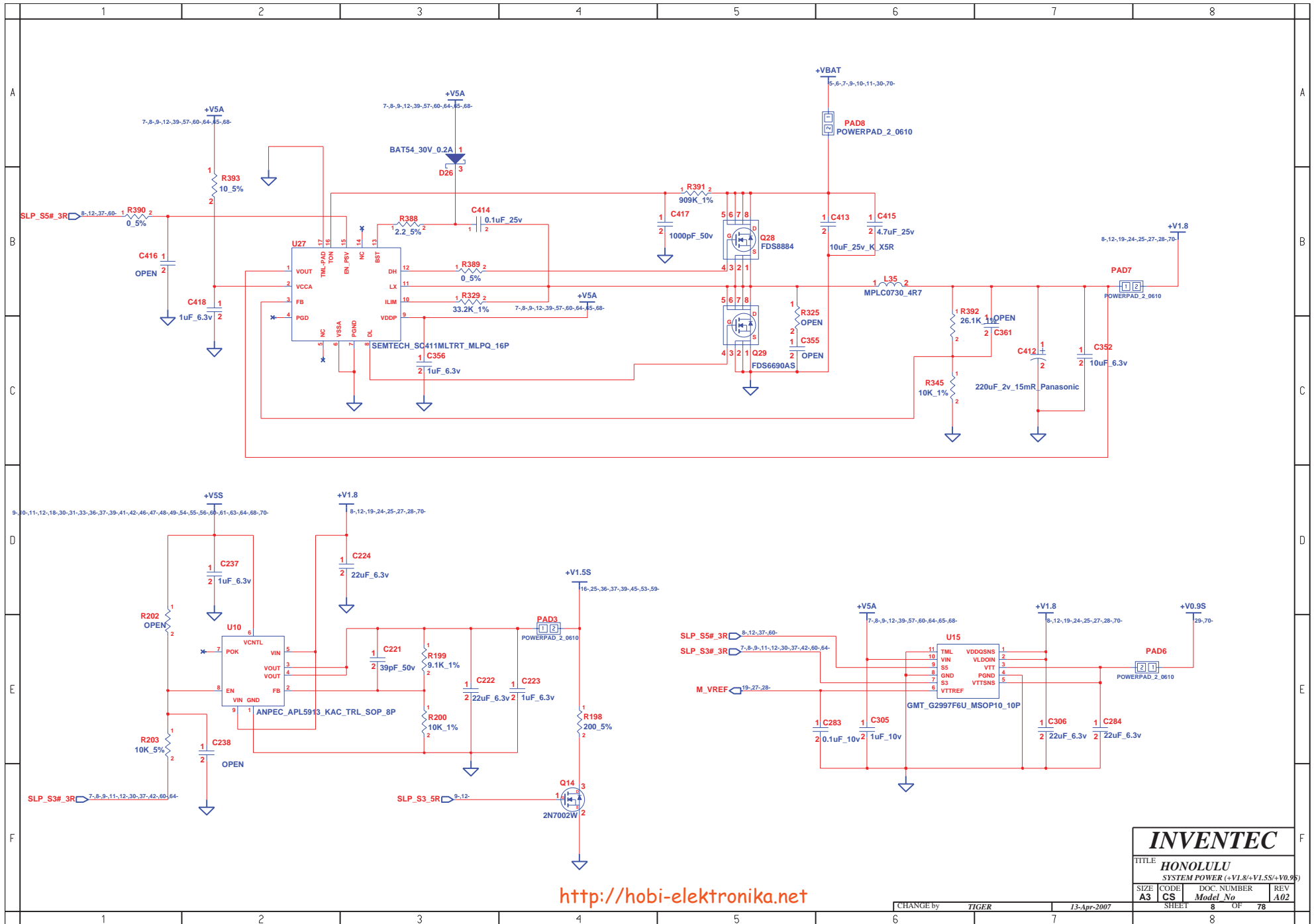
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SHEET		2	OF 78

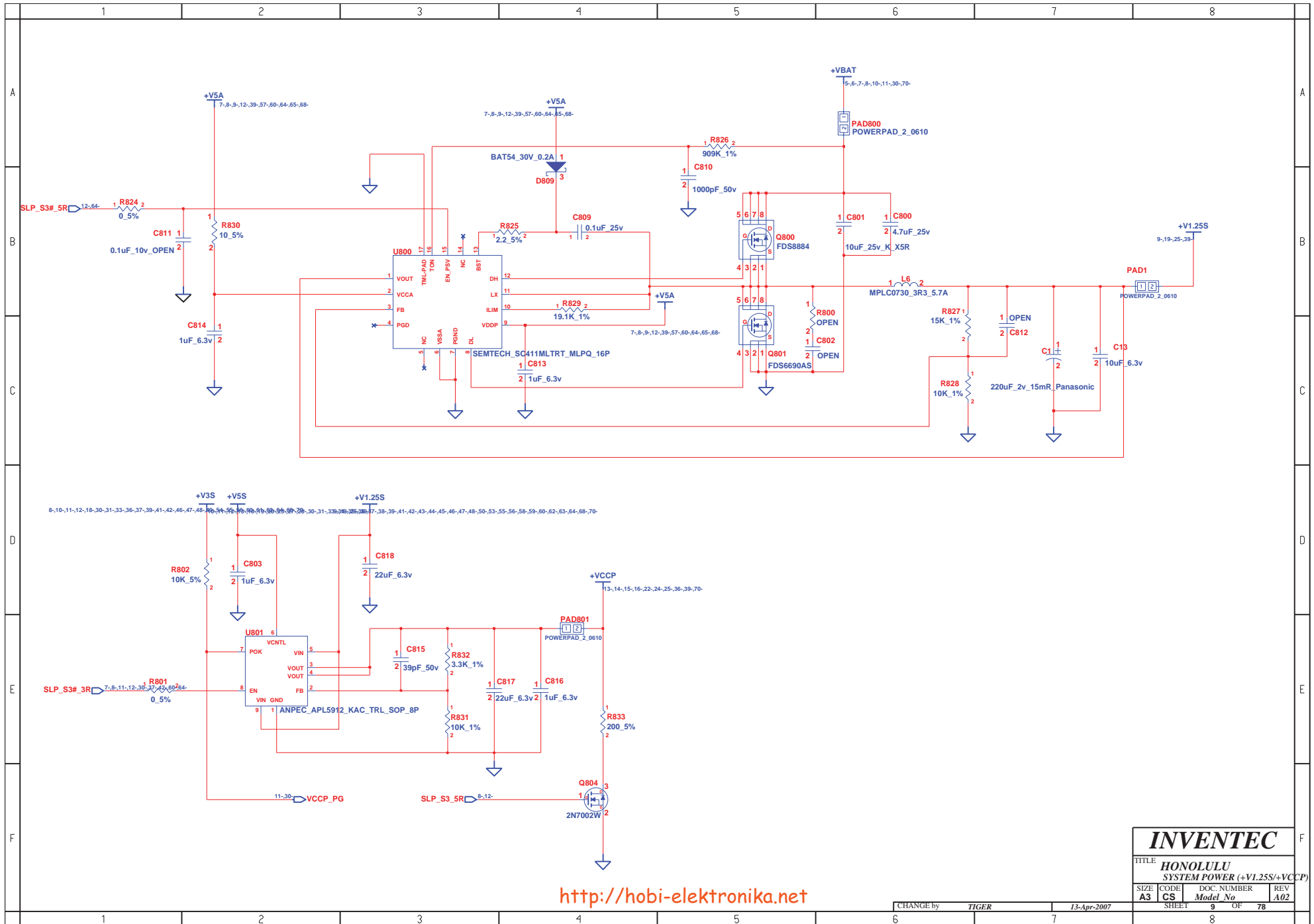


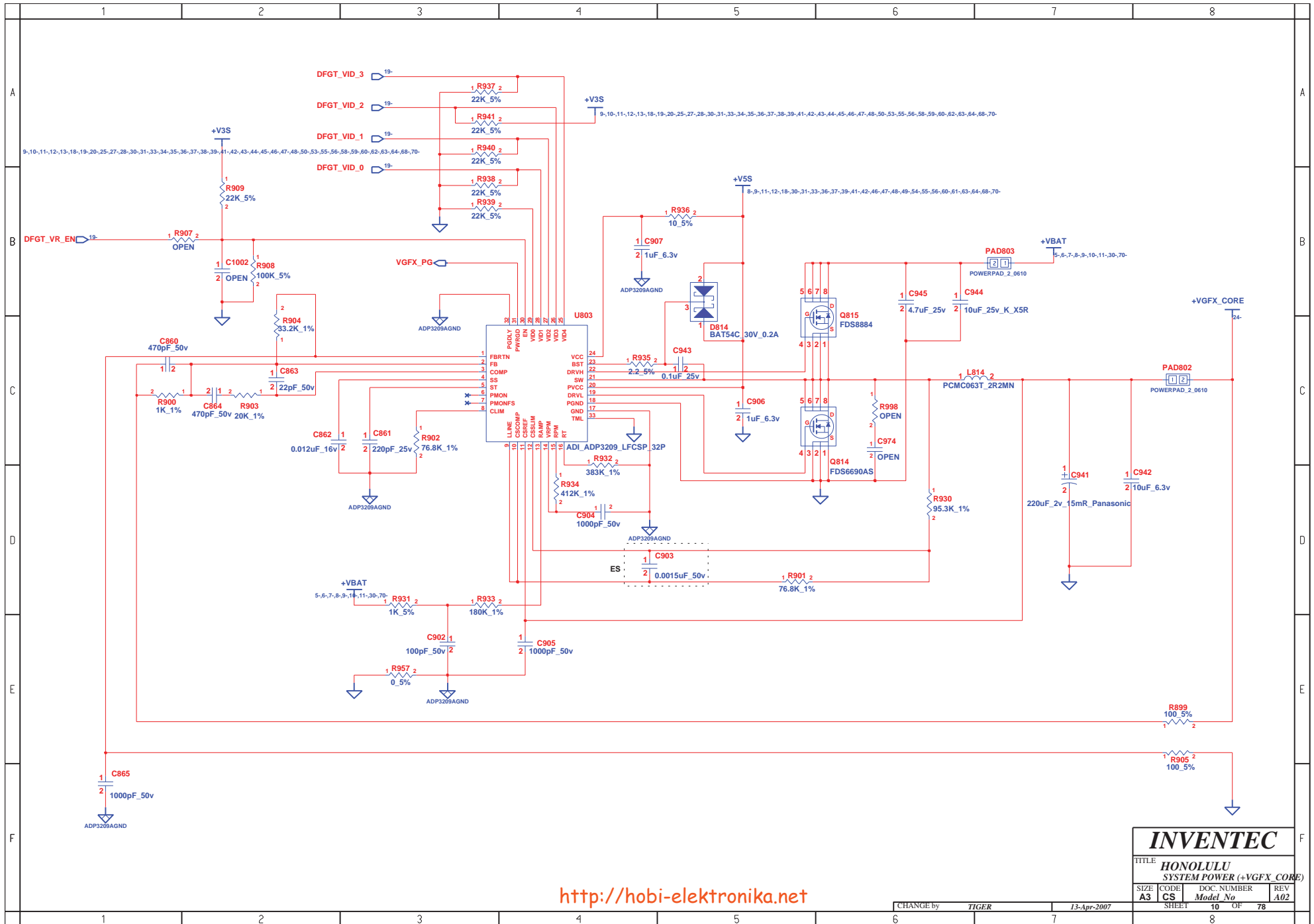




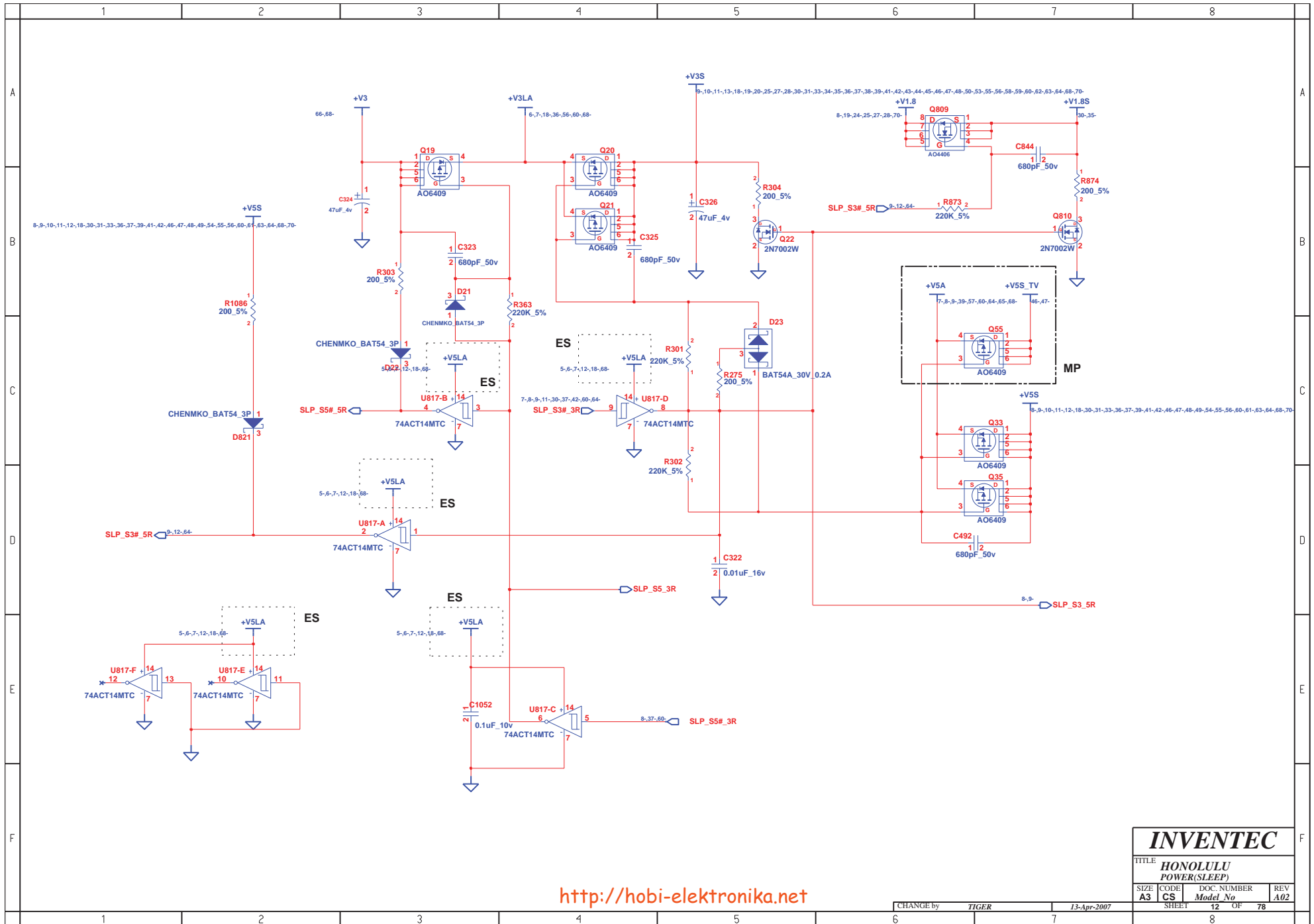


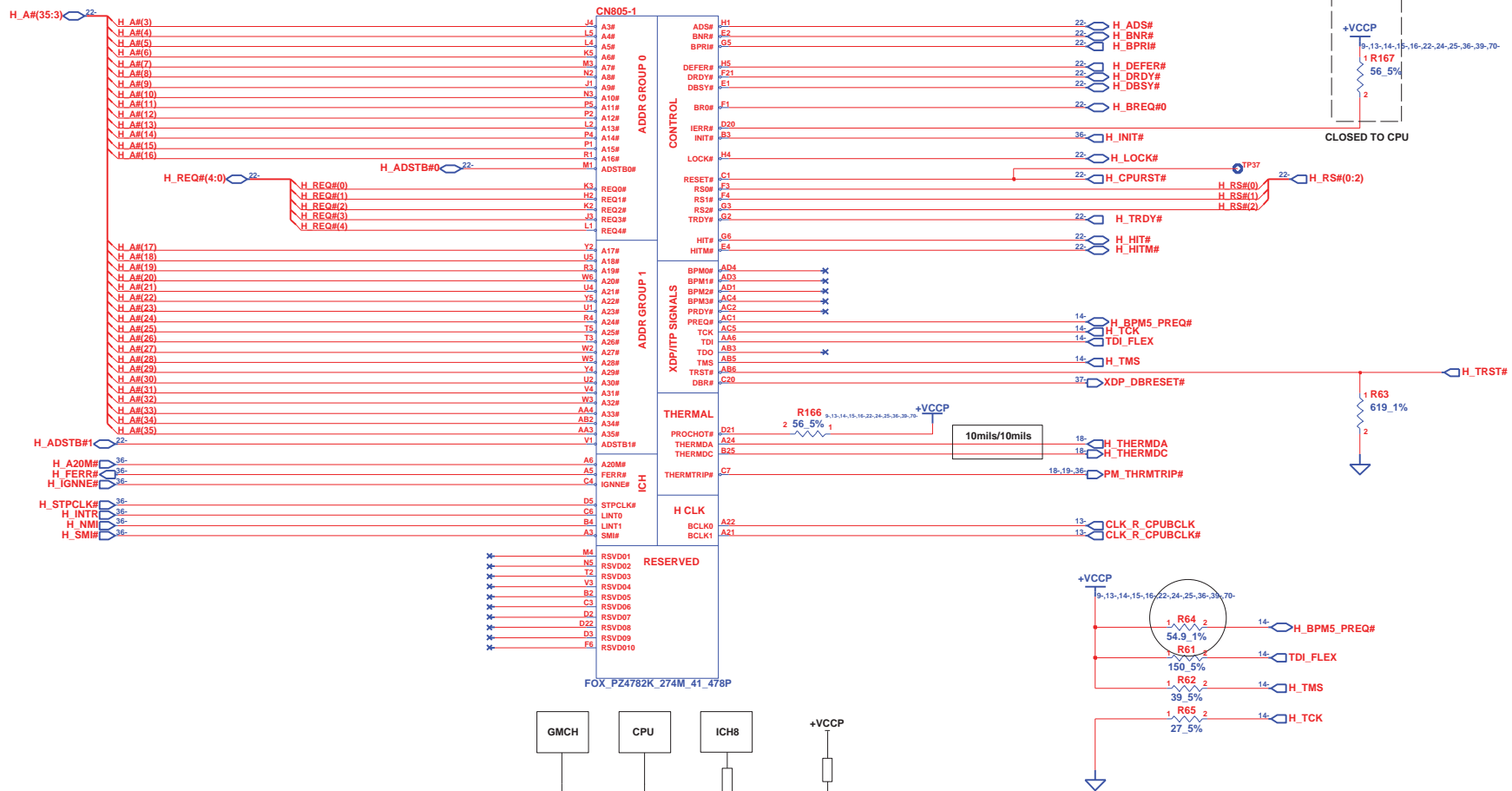




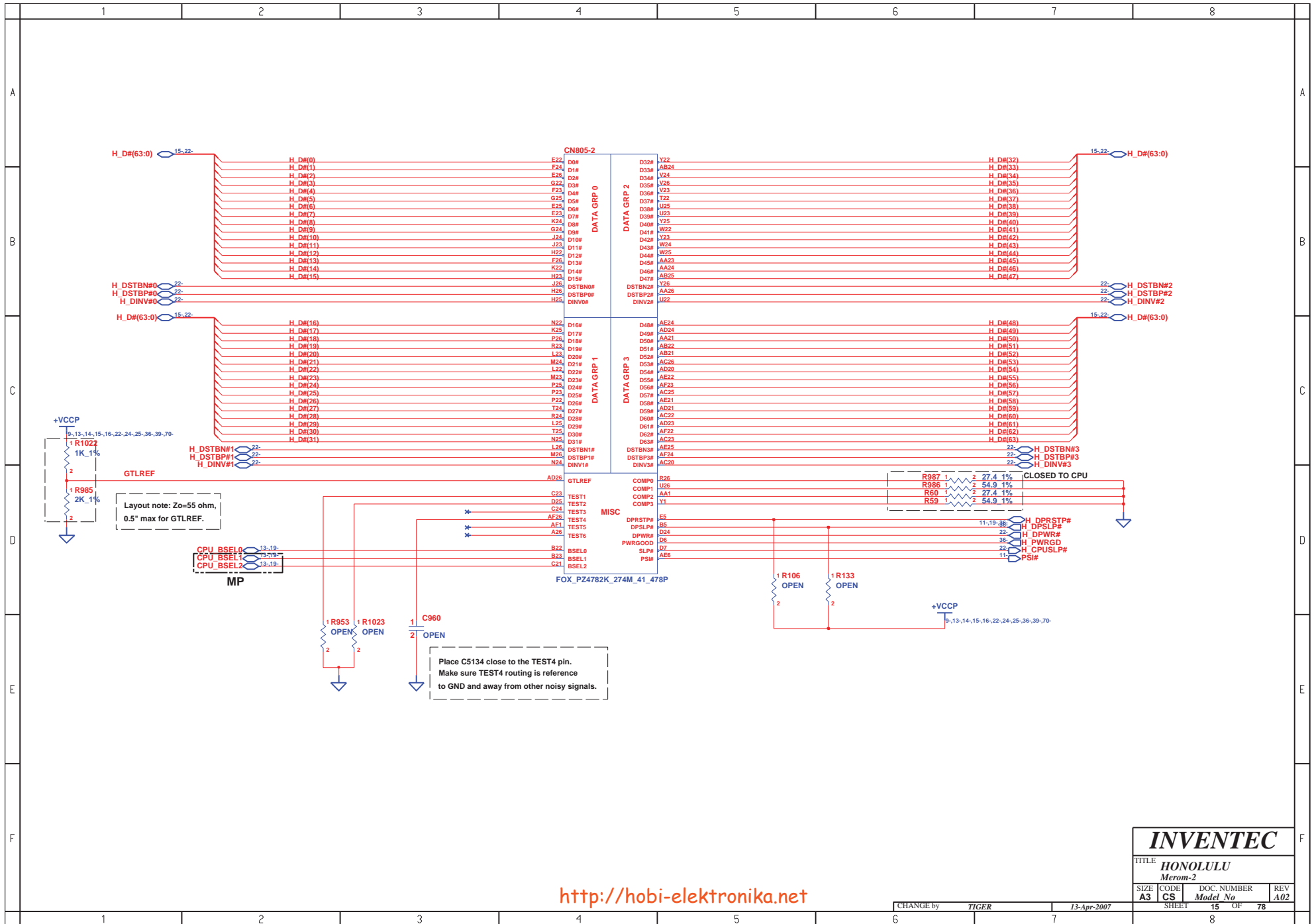


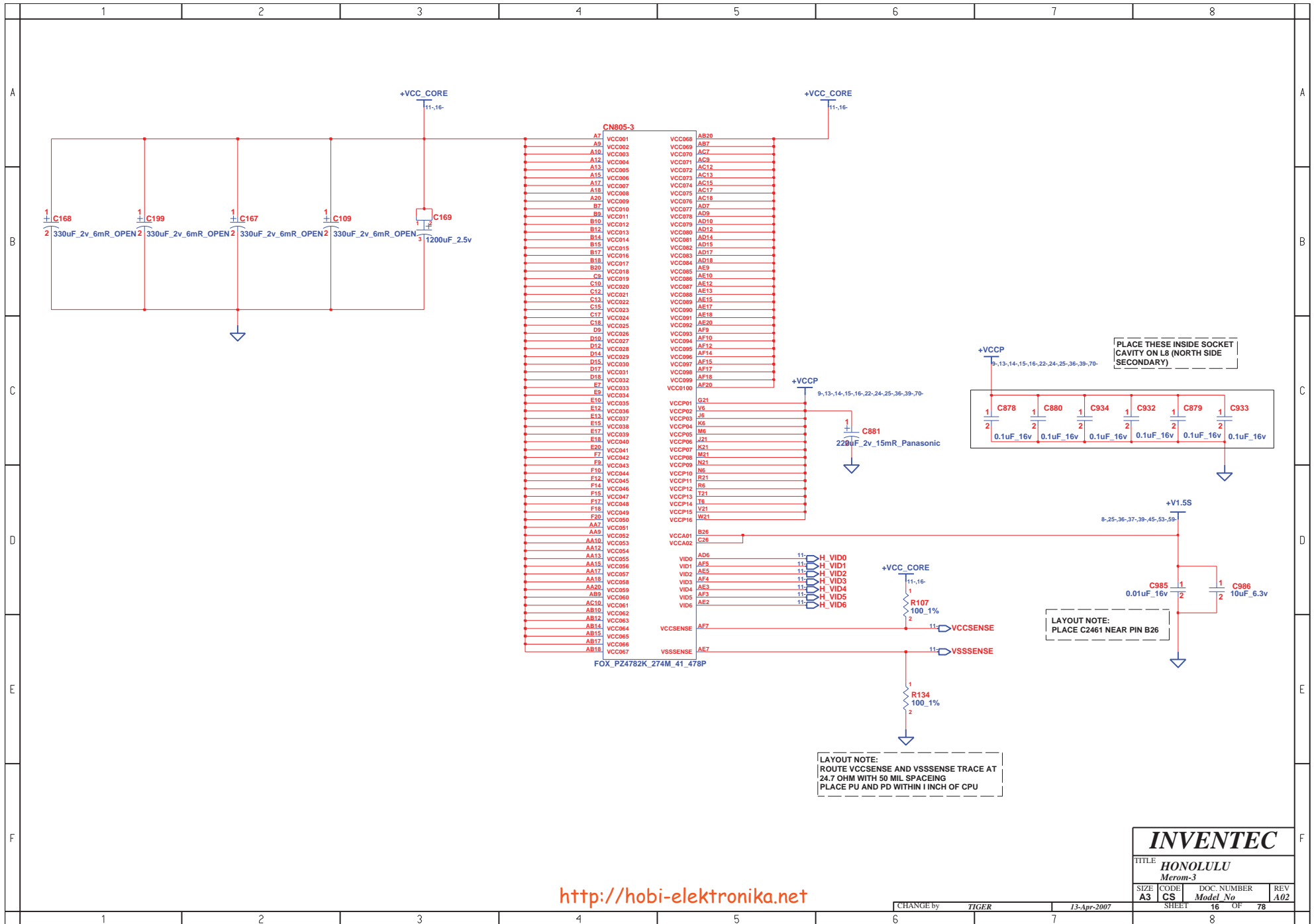






PM_THRMTRIP# should be T at CPU





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A										A								
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v>L3</div><div>VSS069</div><div>VSS150</div><div>AE16</div></div><div><div>L6</div><div>VSS070</div><div>VSS151</div><div>AE19</div></div><div><div>L21</div><div>VSS071</div><div>VSS152</div><div>AE23</div></div><div><div>L24</div><div>VSS072</div><div>VSS153</div><div>AE26</div></div><div><div>M2</div><div>VSS073</div><div>VSS154</div><div>A2</div></div><div><div>M5</div><div>VSS074</div><div>VSS155</div><div>AF6</div></div><div><div>M22</div><div>VSS075</div><div>VSS156</div><div>AF8</div></div><div><div>N1</div><div>VSS076</div><div>VSS157</div><div>AF11</div></div><div><div>N4</div><div>VSS077</div><div>VSS158</div><div>AF13</div></div><div><div>N23</div><div>VSS078</div><div>VSS159</div><div>AF16</div></div><div><div>N26</div><div>VSS079</div><div>VSS160</div><div>AF19</div></div><div><div>P3</div><div>VSS080</div><div>VSS161</div><div>AF21</div></div><div><div></div><div>VSS081</div><div>VSS162</div><div>A25</div></div><div><div></div><div></div><div>VSS163</div><div>AF25</div></div></div></div></div><div><div>FOX_PZ4782K_274M_41_478P</div><div></div></div></div>																	
B										B								
C										C								
D										D								
E										E								
F										F								
	<div><p>http://hobi-elektronika.net</p></div>																	
	1	2	3	4	5	6	7	8										

INVENTEC

TITLE

HONOLULU

Merom-4

SIZE

A3

CODE

CS

DOC. NUMBER

Model No

REV

A02

SHEET

17

OF

78

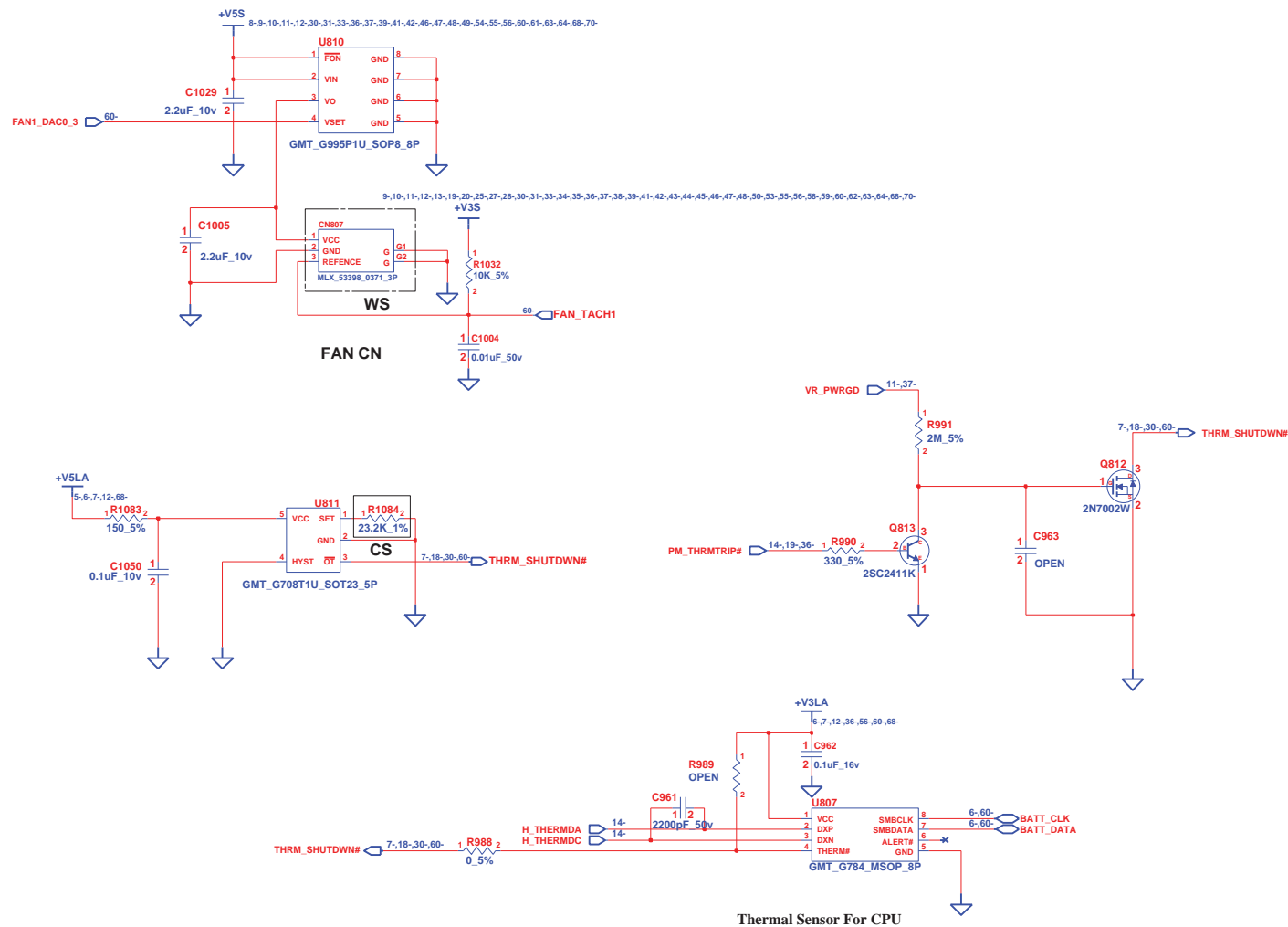
CHANGE by

TIGER

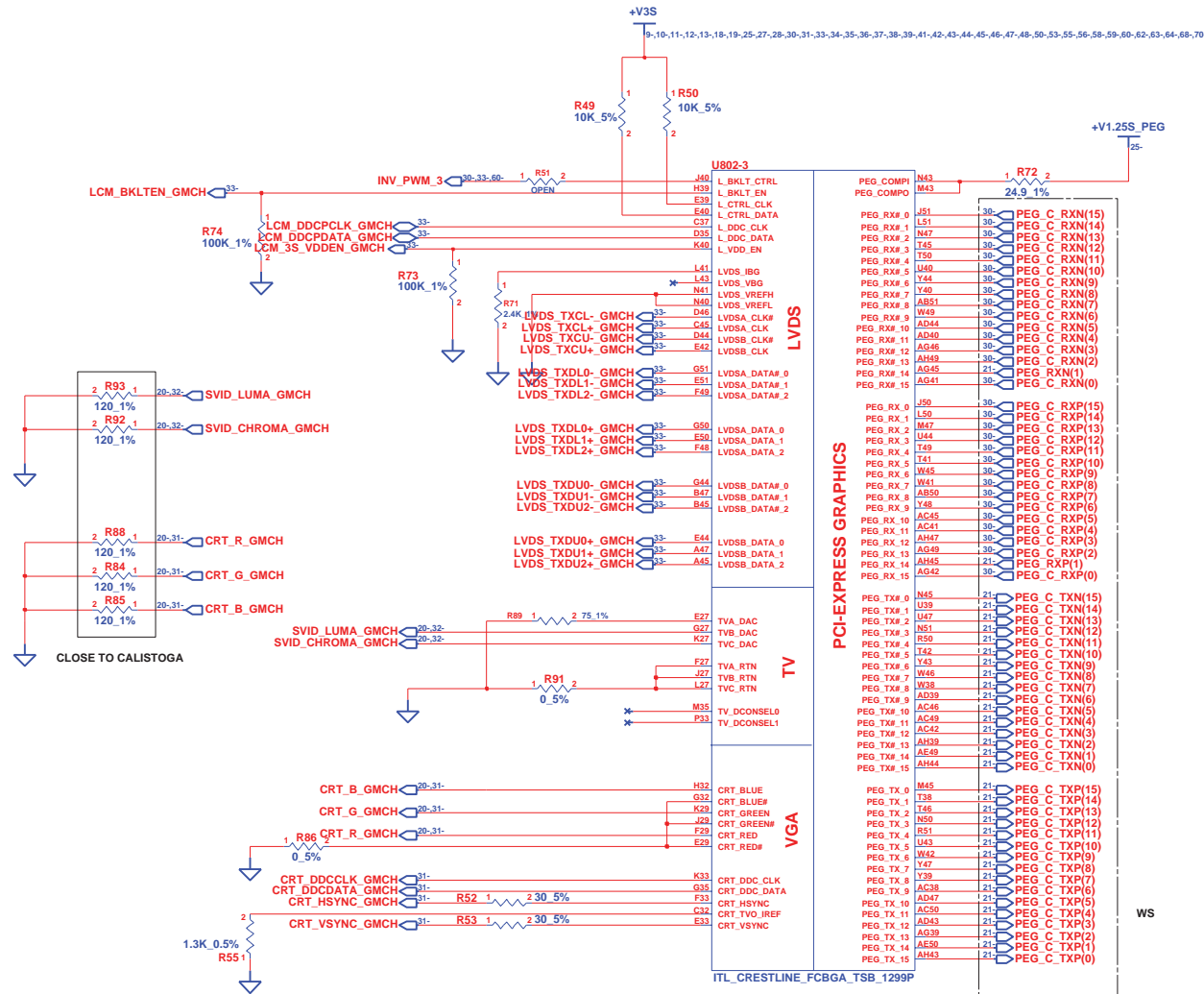
13-Apr-2007

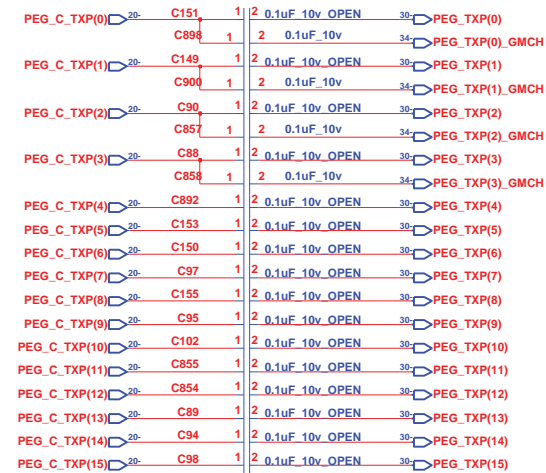
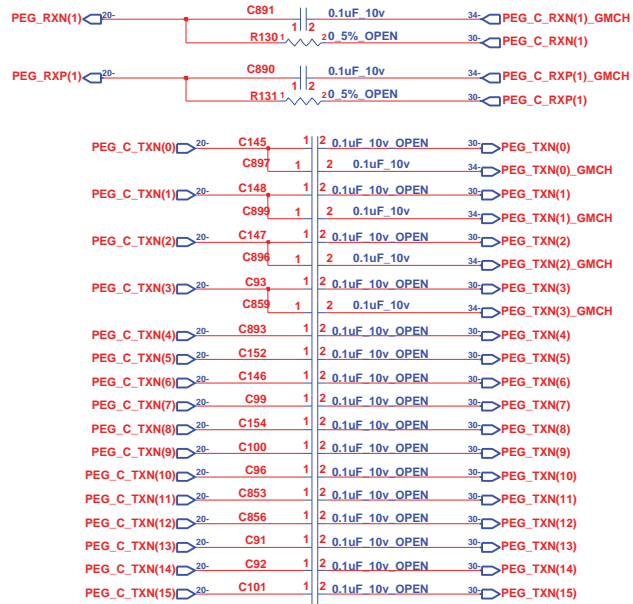
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INVENTEC			
TITLE HONOLULU Merom-4			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
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PM: OPEN change to ON
ON change to OPEN

close to GMCH

WS

<http://hobi-elektronika.net>

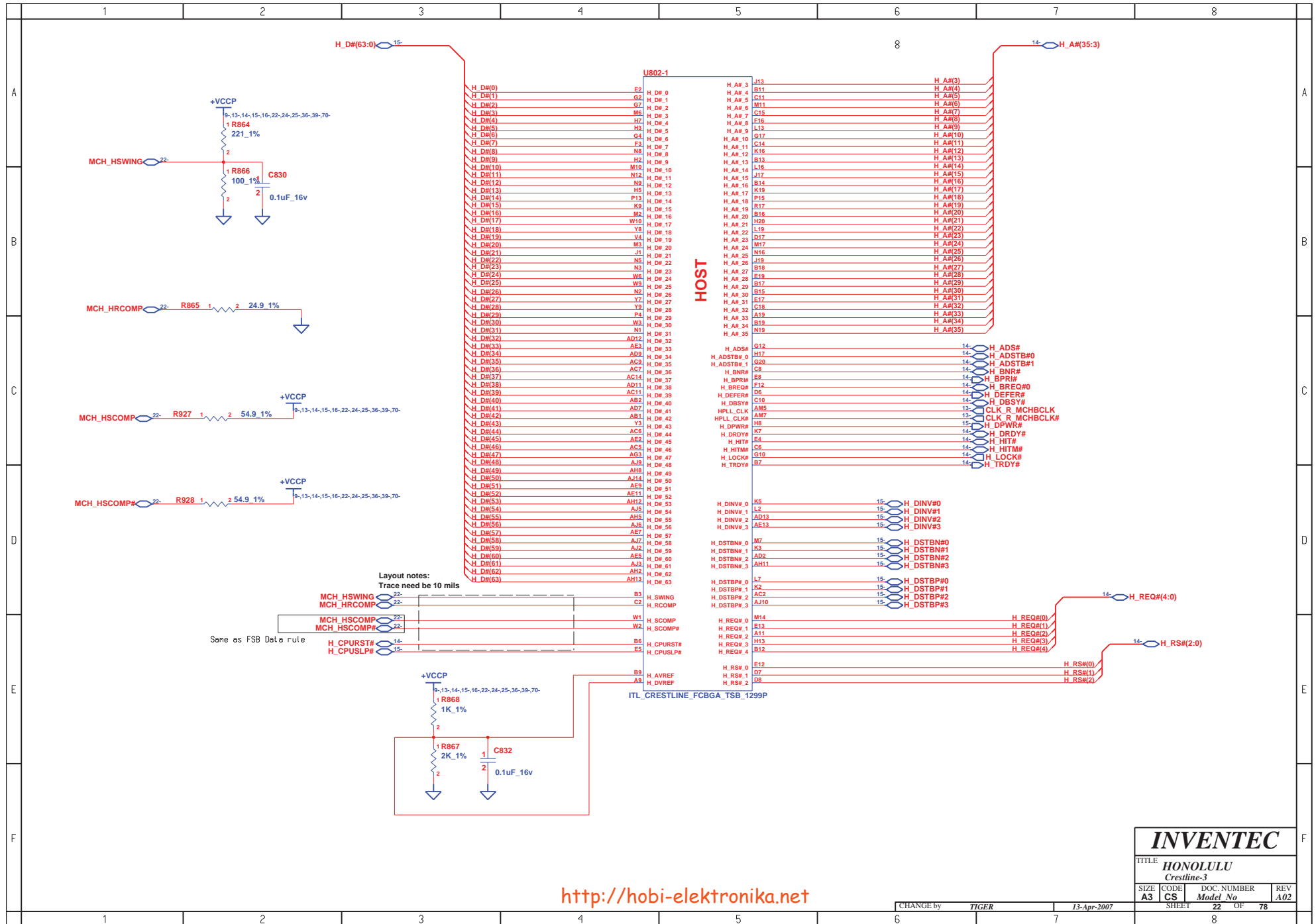
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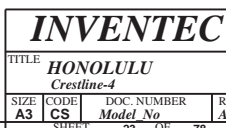
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HONOLULU
Crestline-2.1

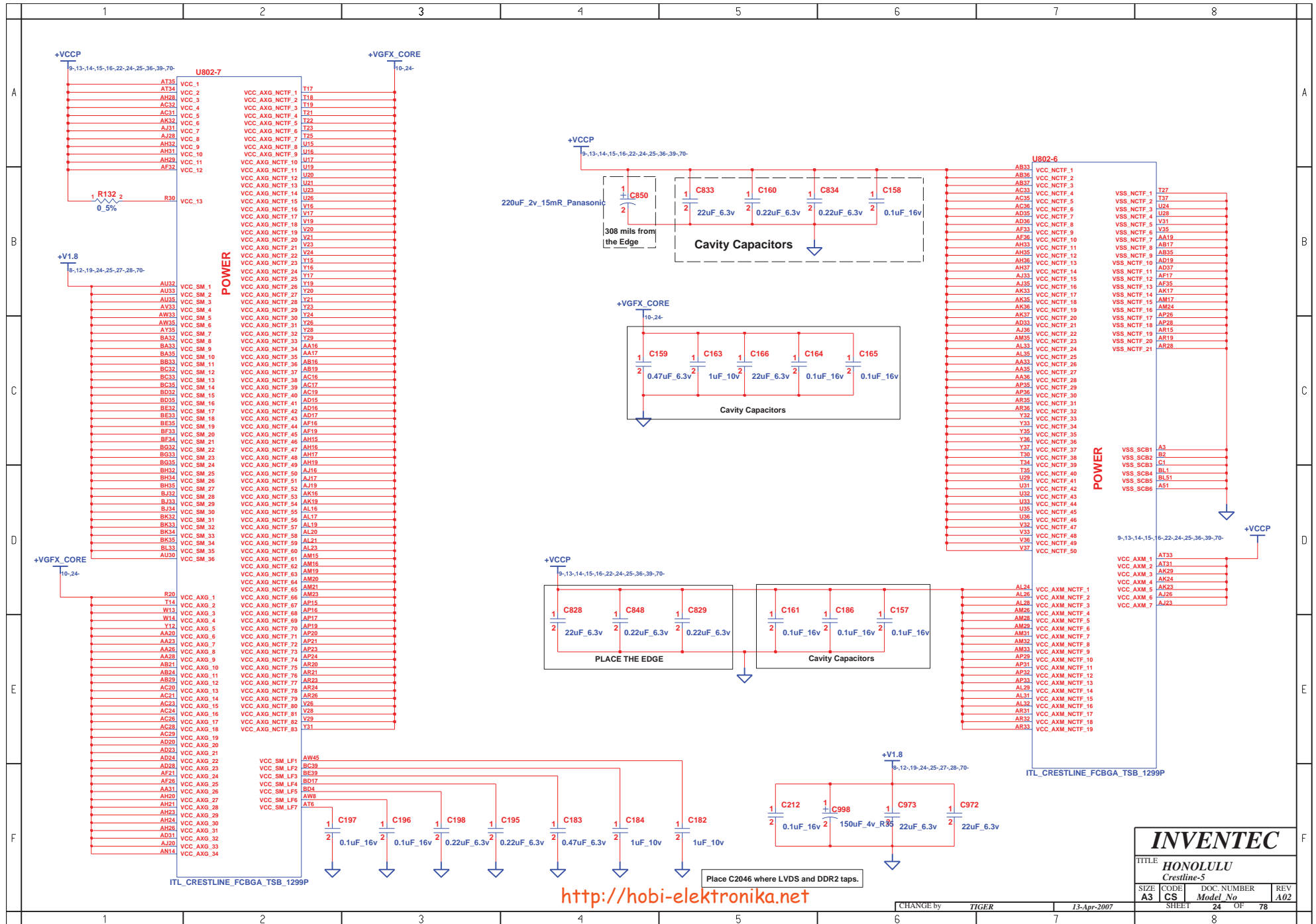
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A3	CS	Model No	A02

CHANGE by	TIGER	13-Apr-2007
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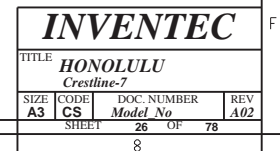
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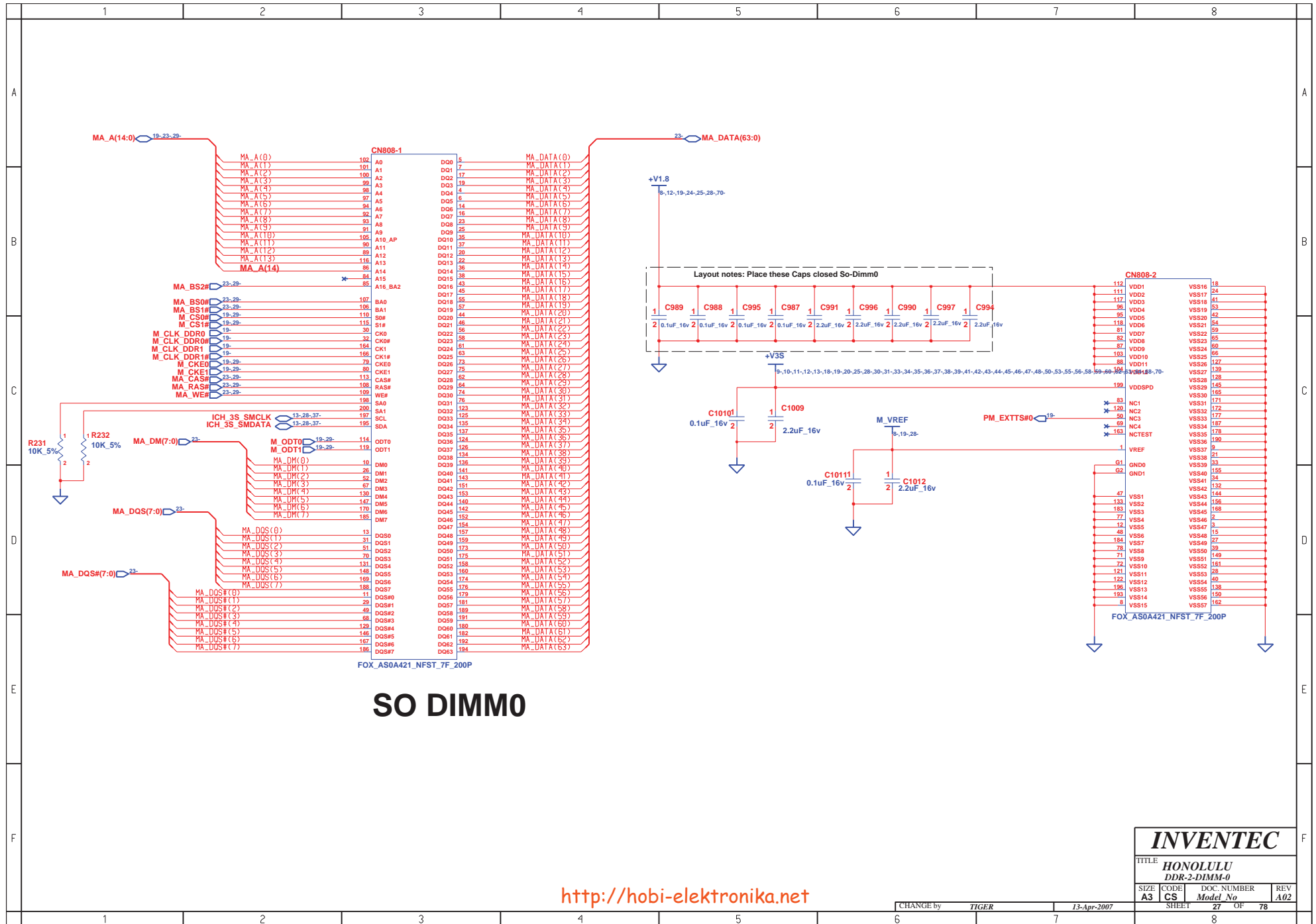




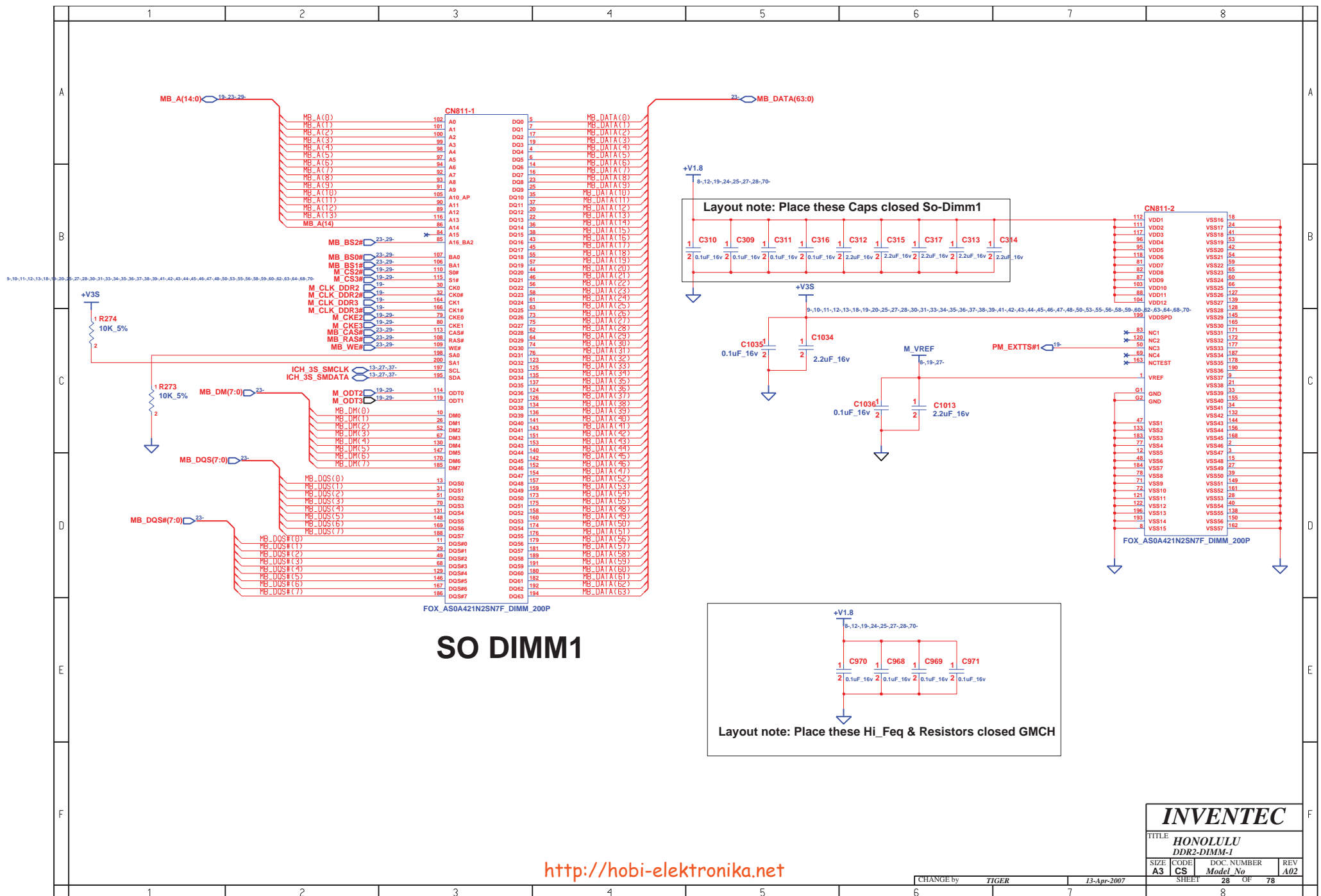


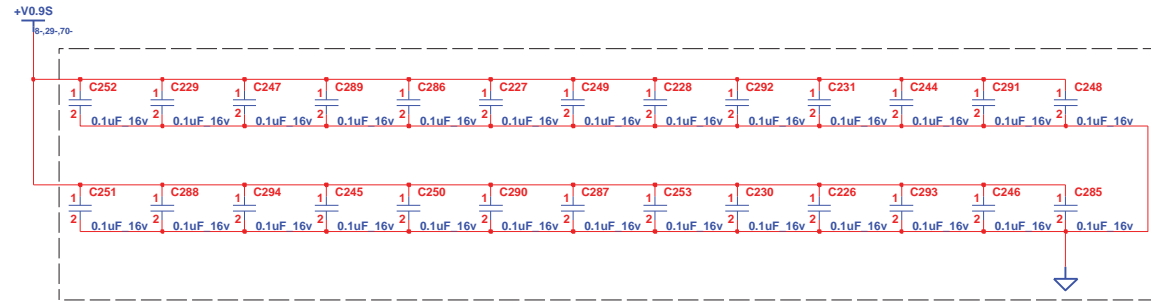




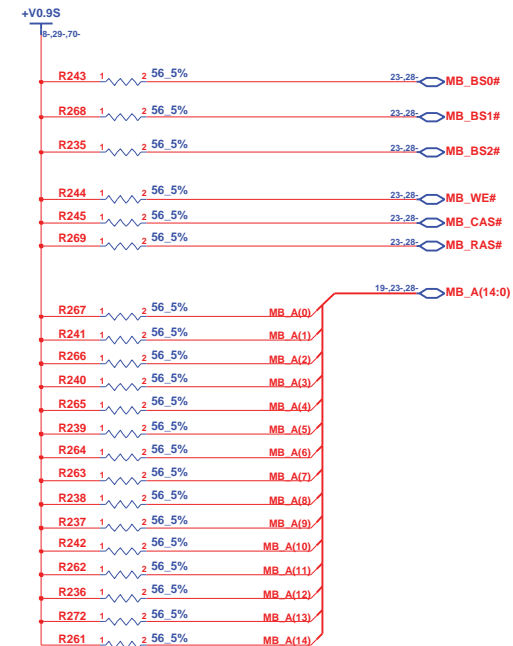
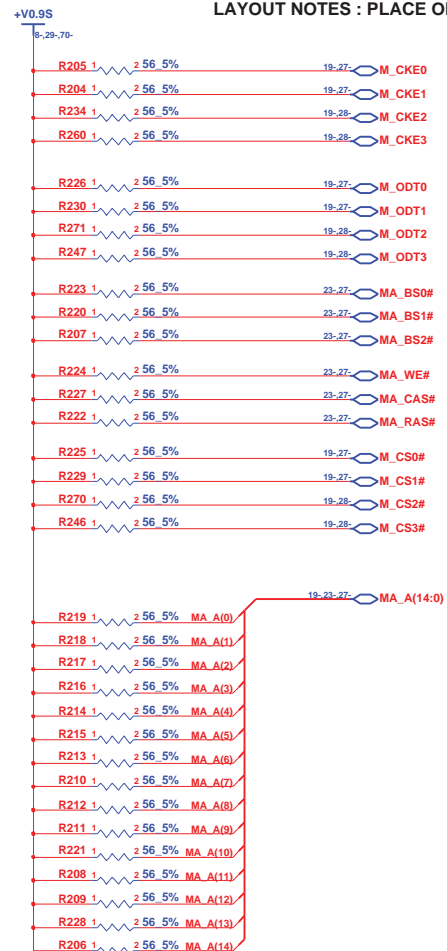


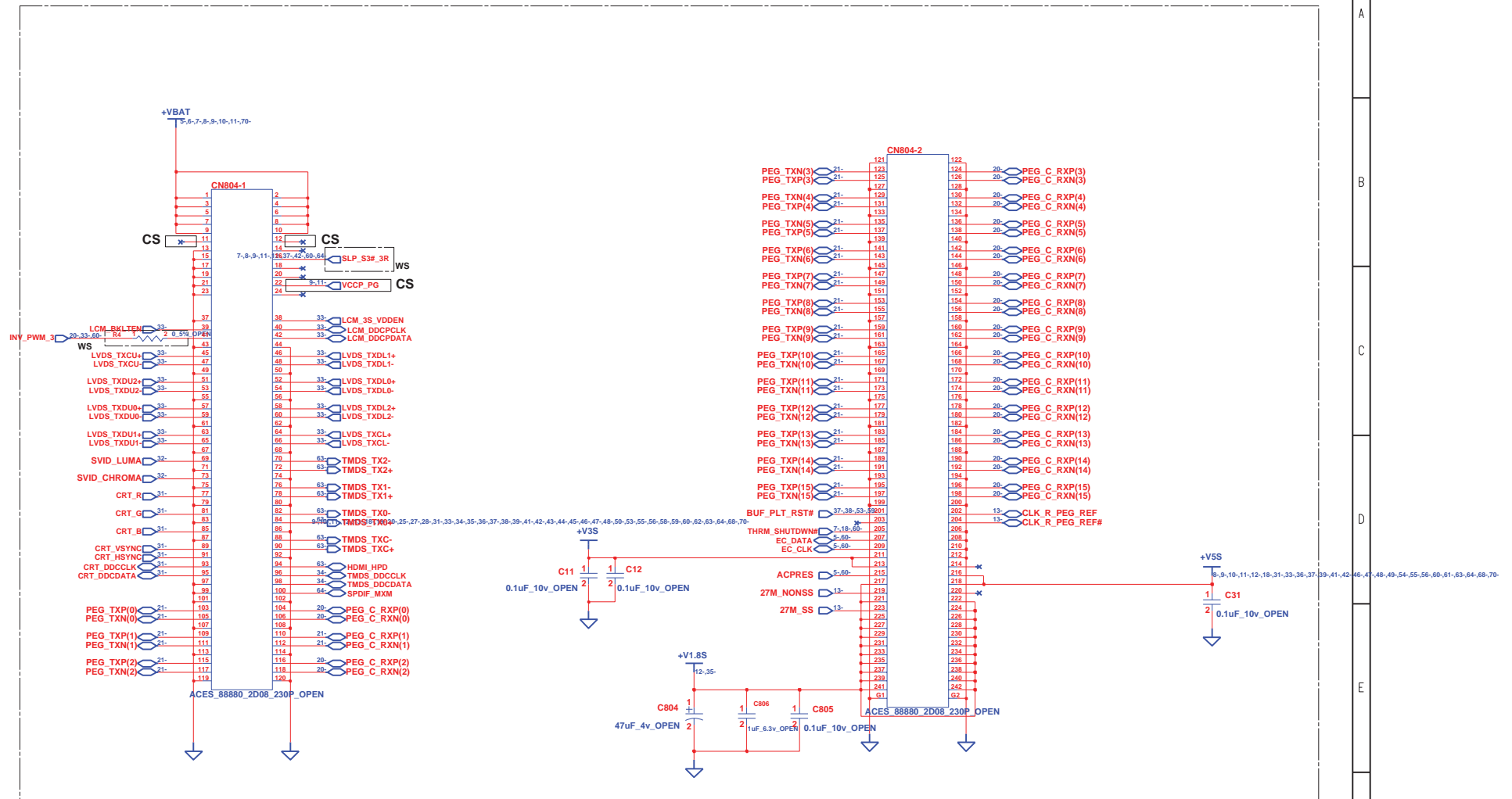
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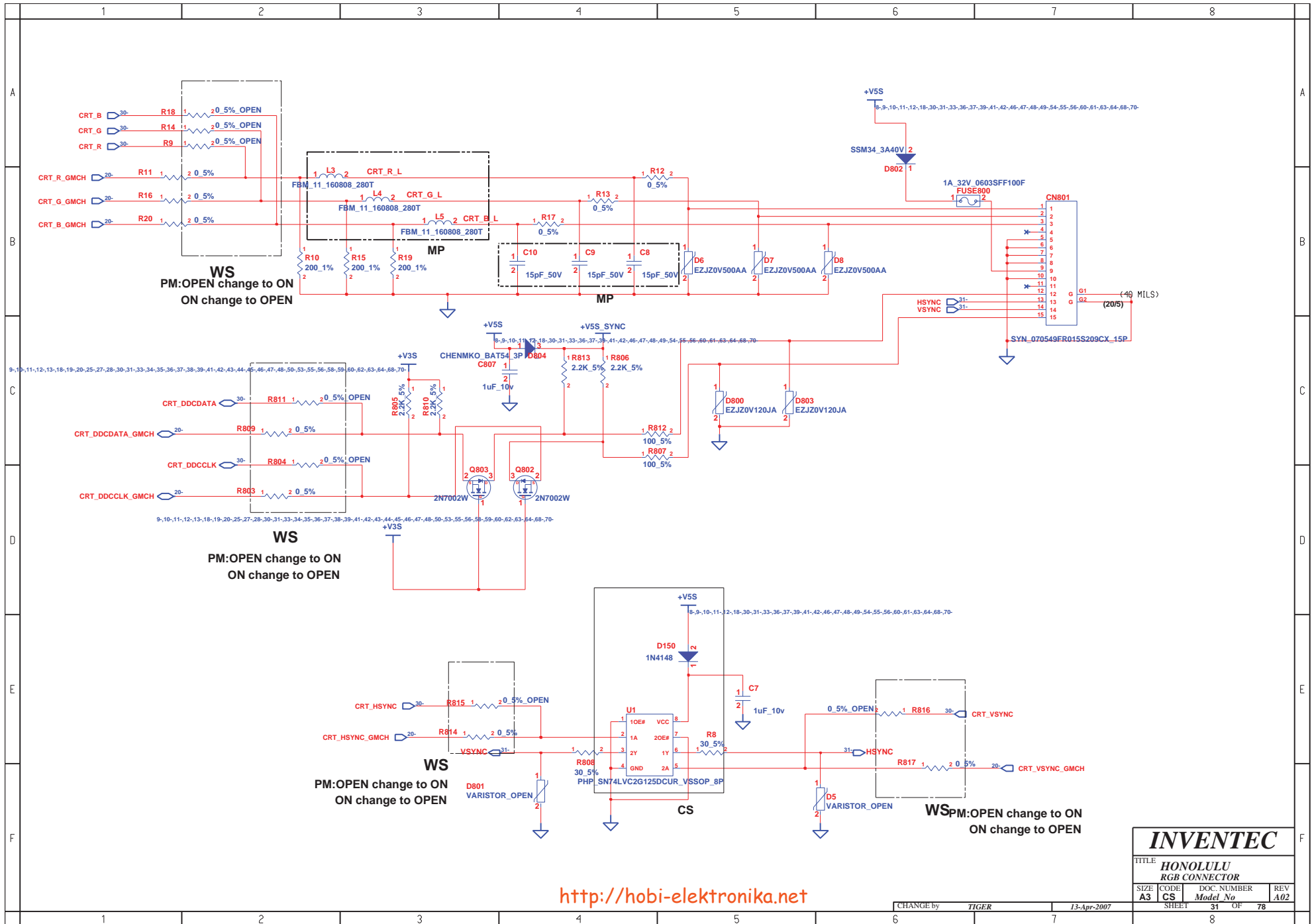
LAYOUT NOTES : PLACE ONE CAP CLOSE TO EVERY 2 PULL UP RESISTOR TERMINATED TO +V0.9S

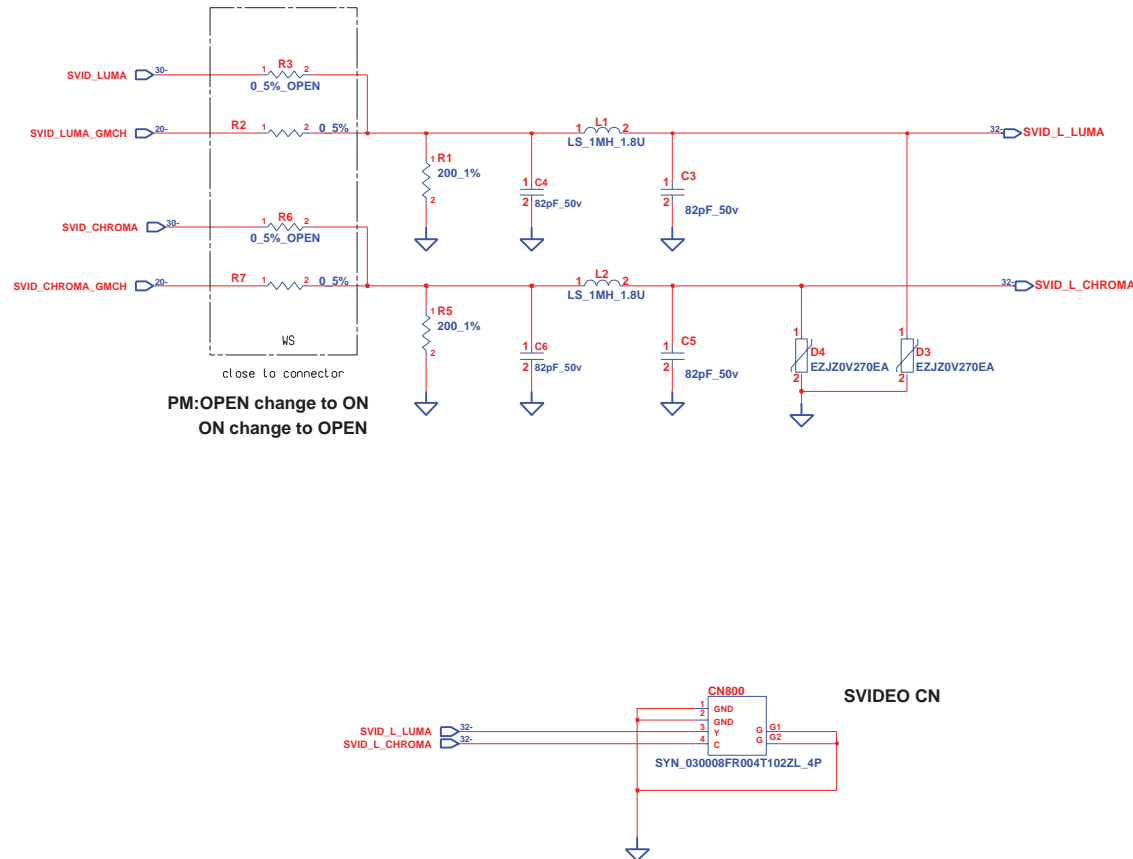


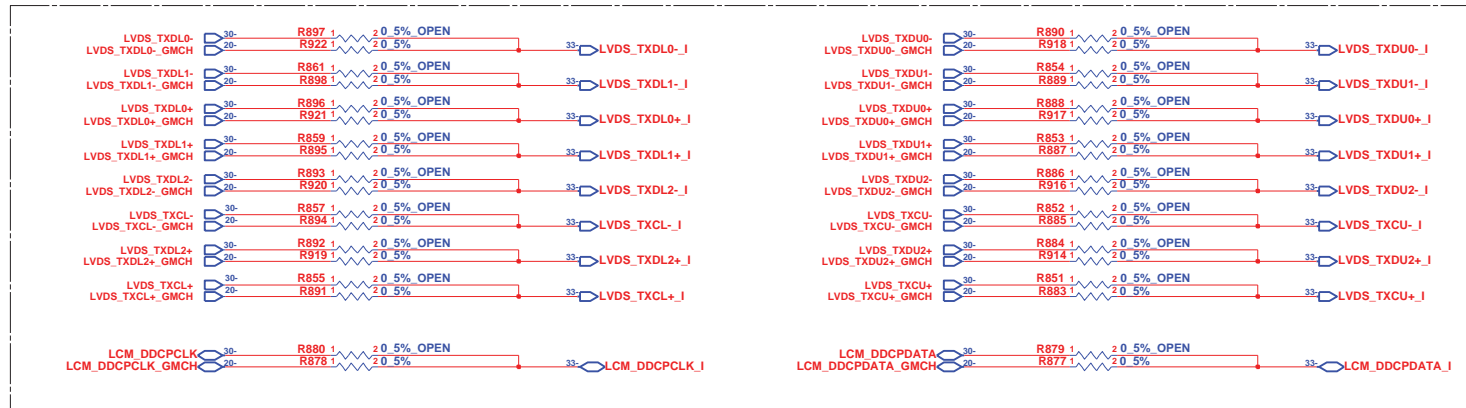


WS

INVENTEC				
TITLE HONOLULU				
MXM CONN				
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02	
SHEET 30 OF 78				

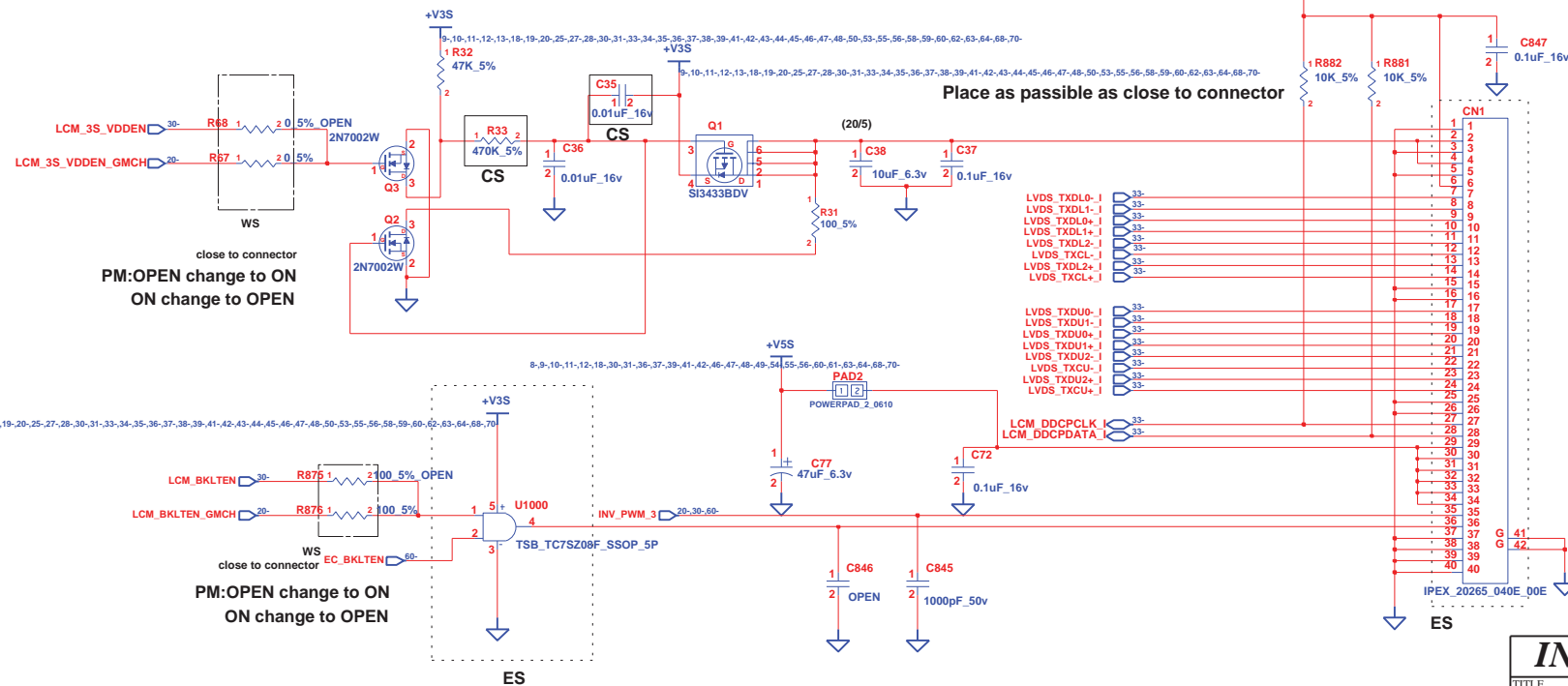


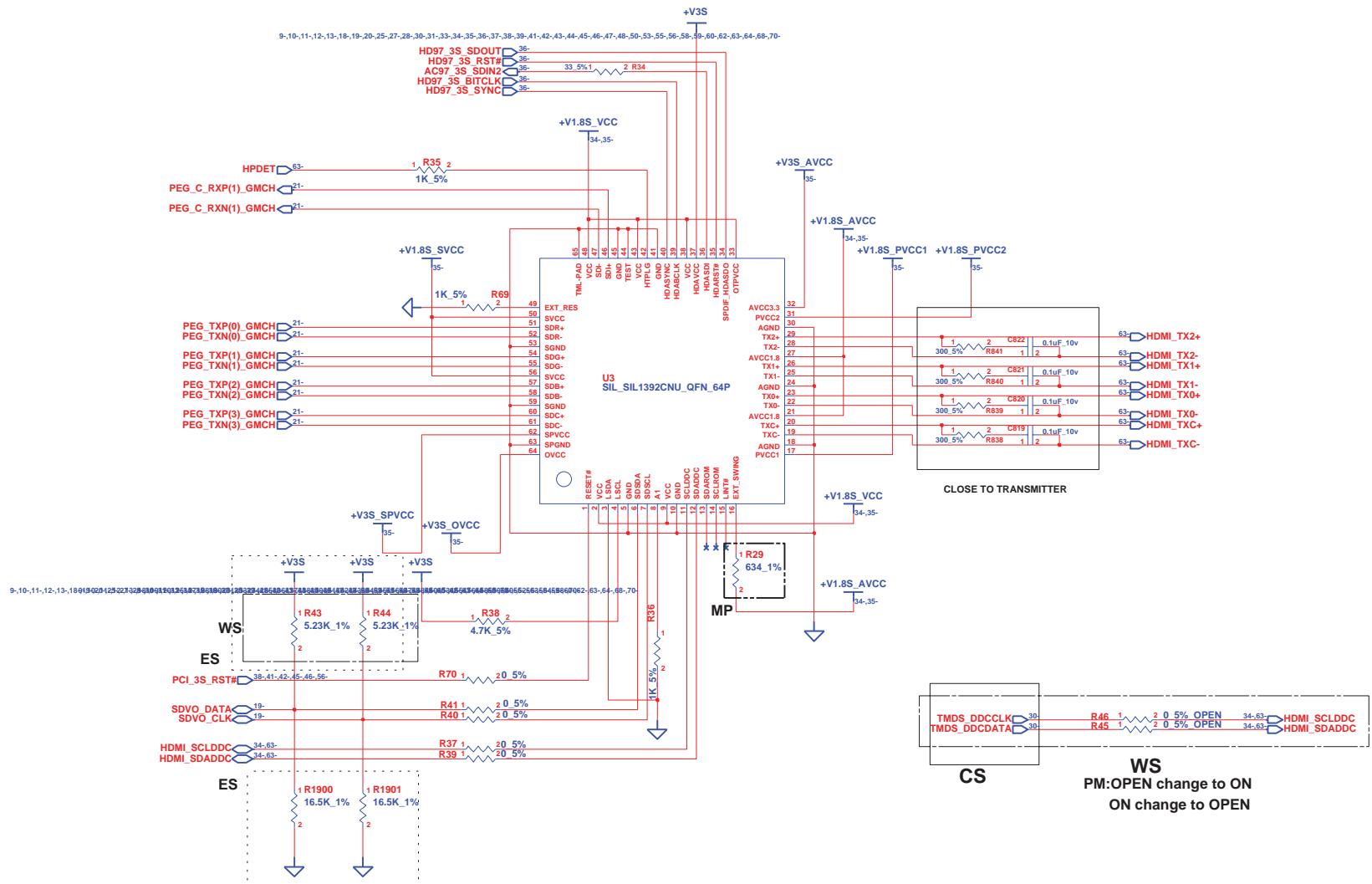


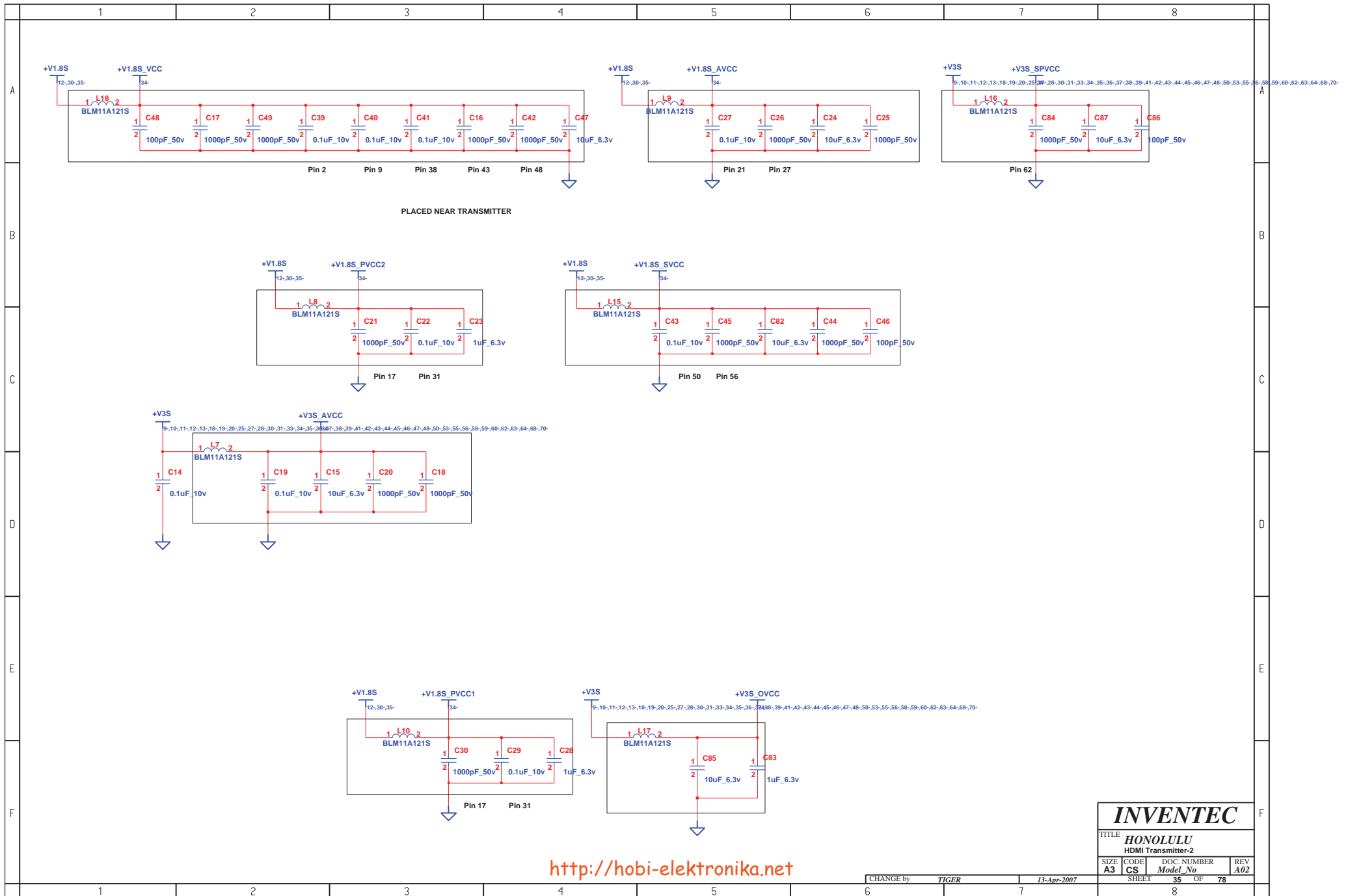


close to connector **WS PM:OPEN change to ON**
ON change to OPEN

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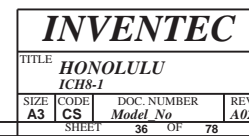




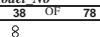
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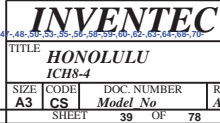
TITLE
HONOLULU
HDMI Transmitter-2

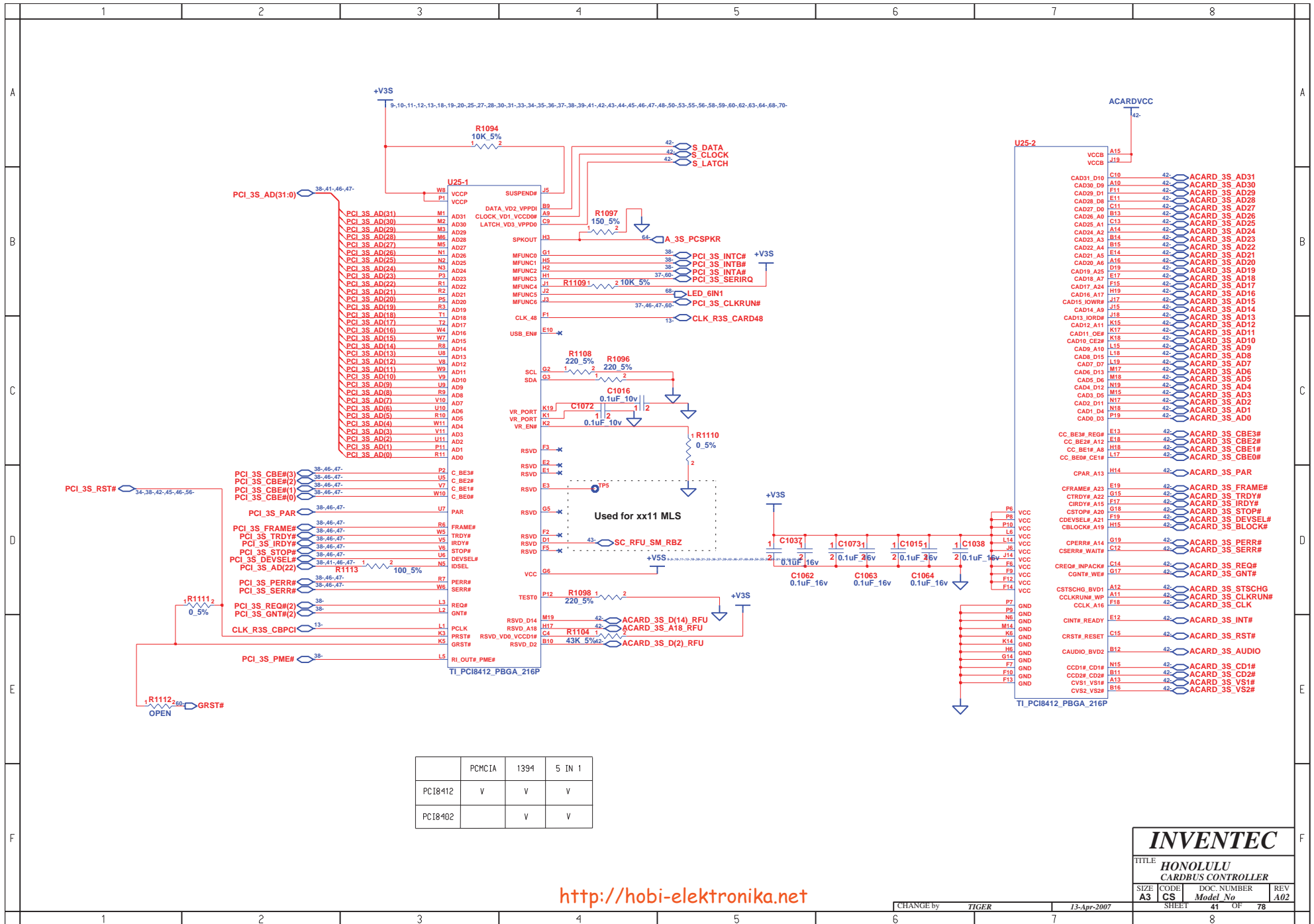
REV
A02











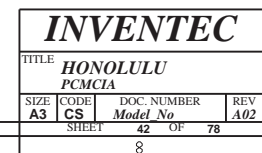
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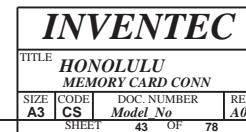
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**HONOLULU
CARDBUS CONTROLLER**

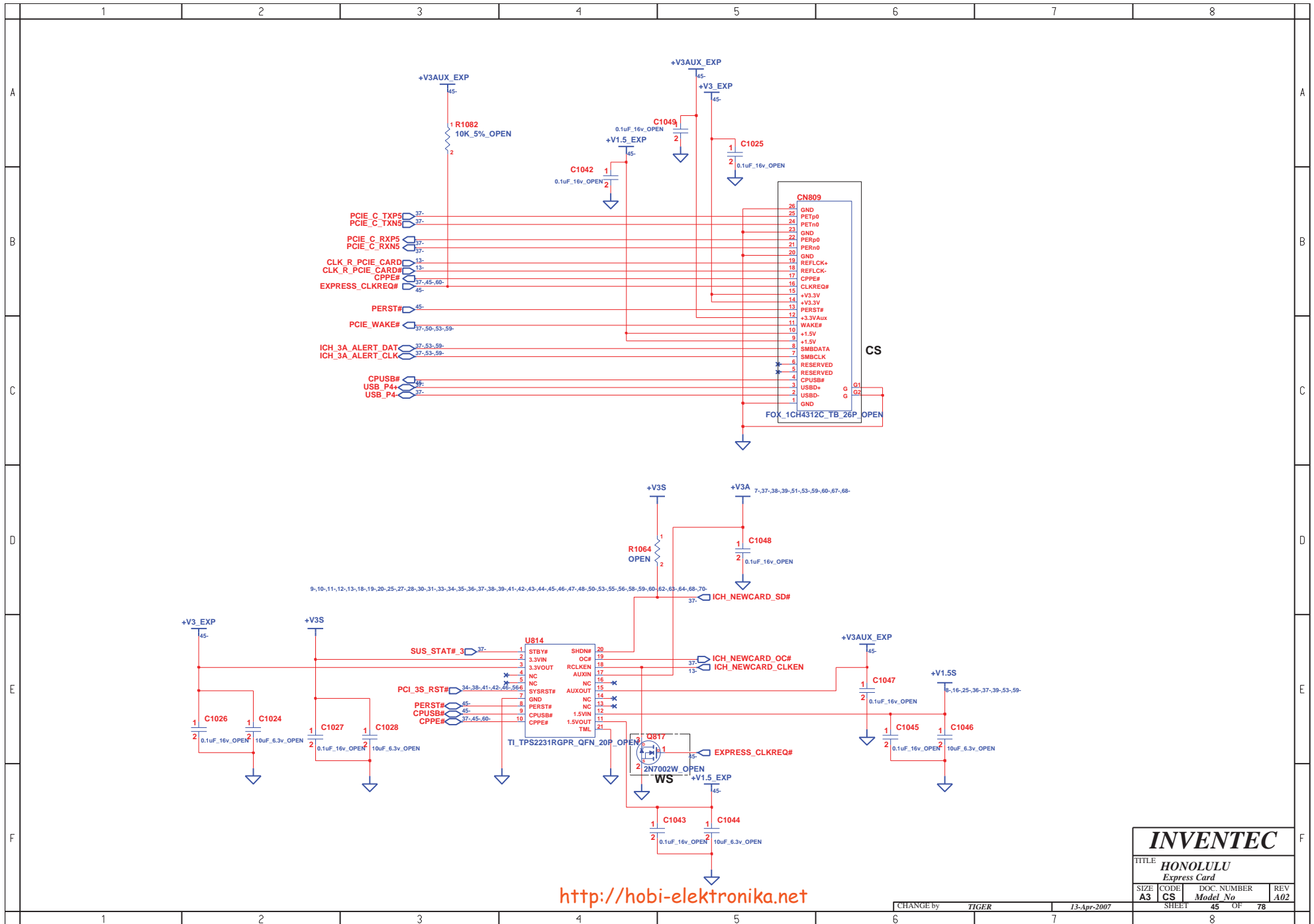
SIZE CODE DOC. NUMBER REV
A3 CS Model No

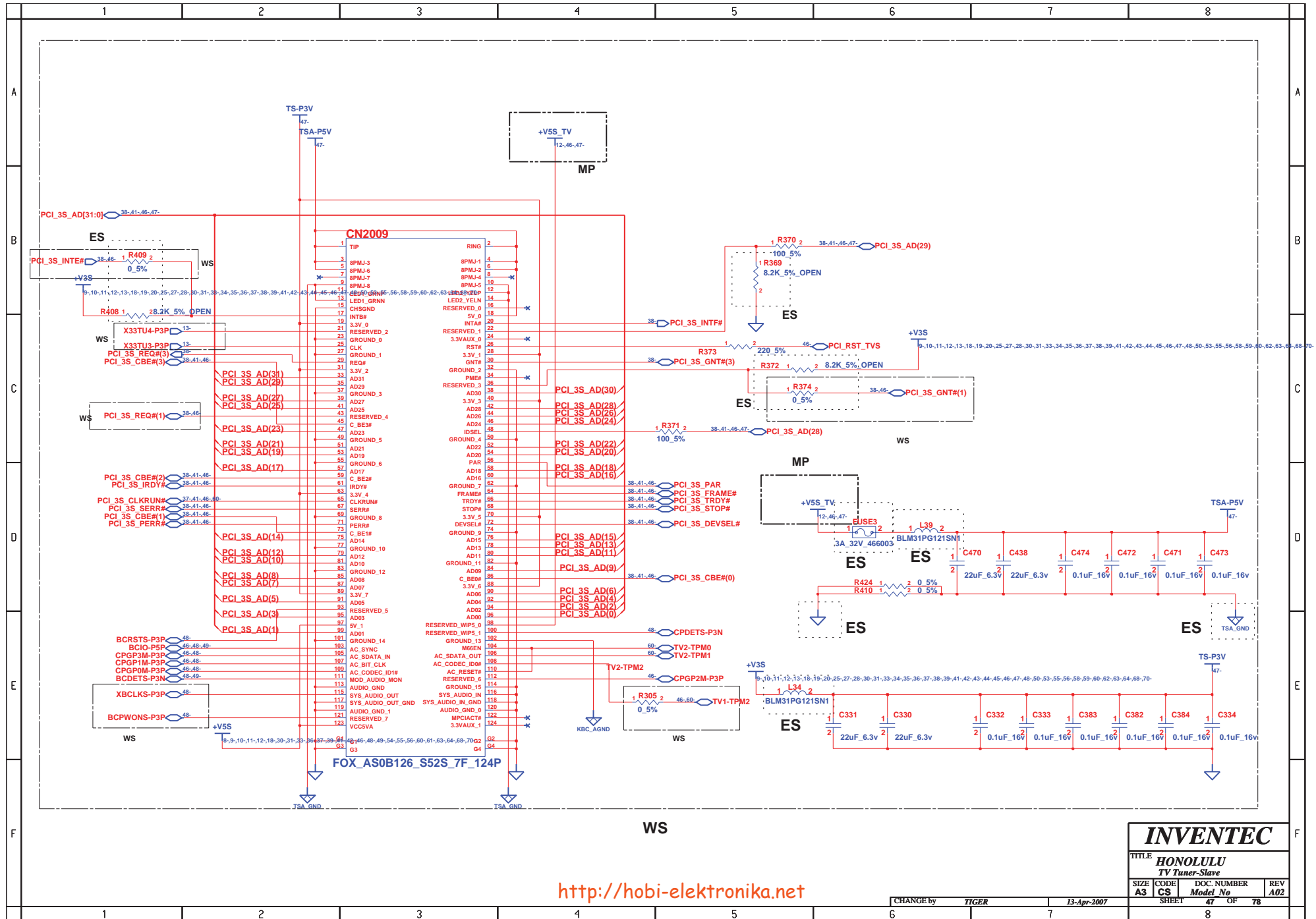
SHEET 41 OF 78
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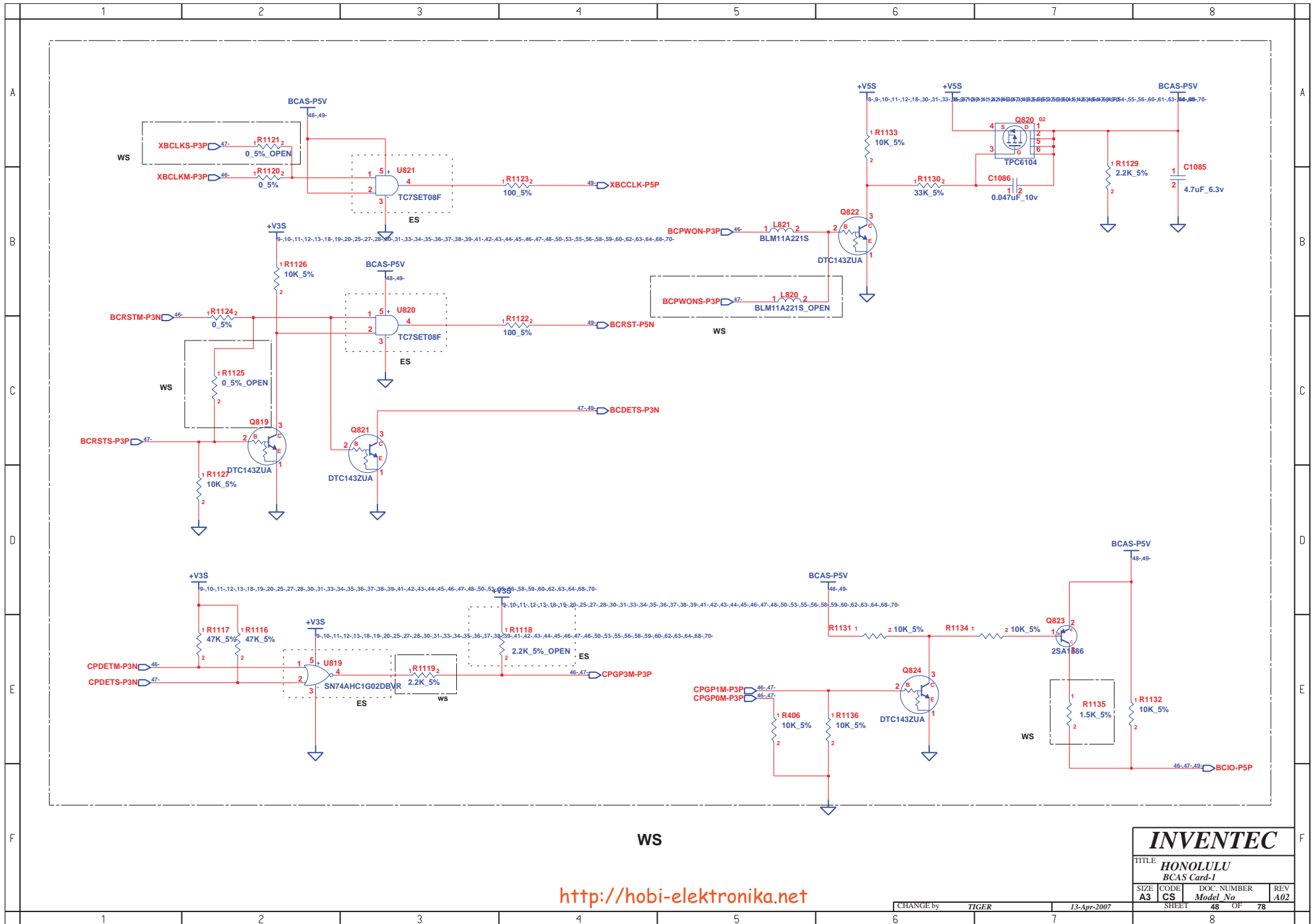
CHANGE by **TIGER** 13-Apr-2007







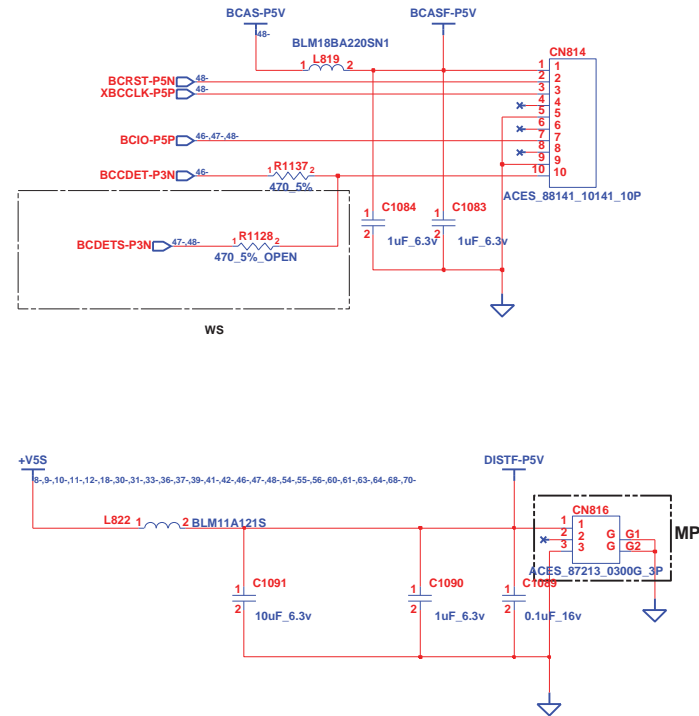




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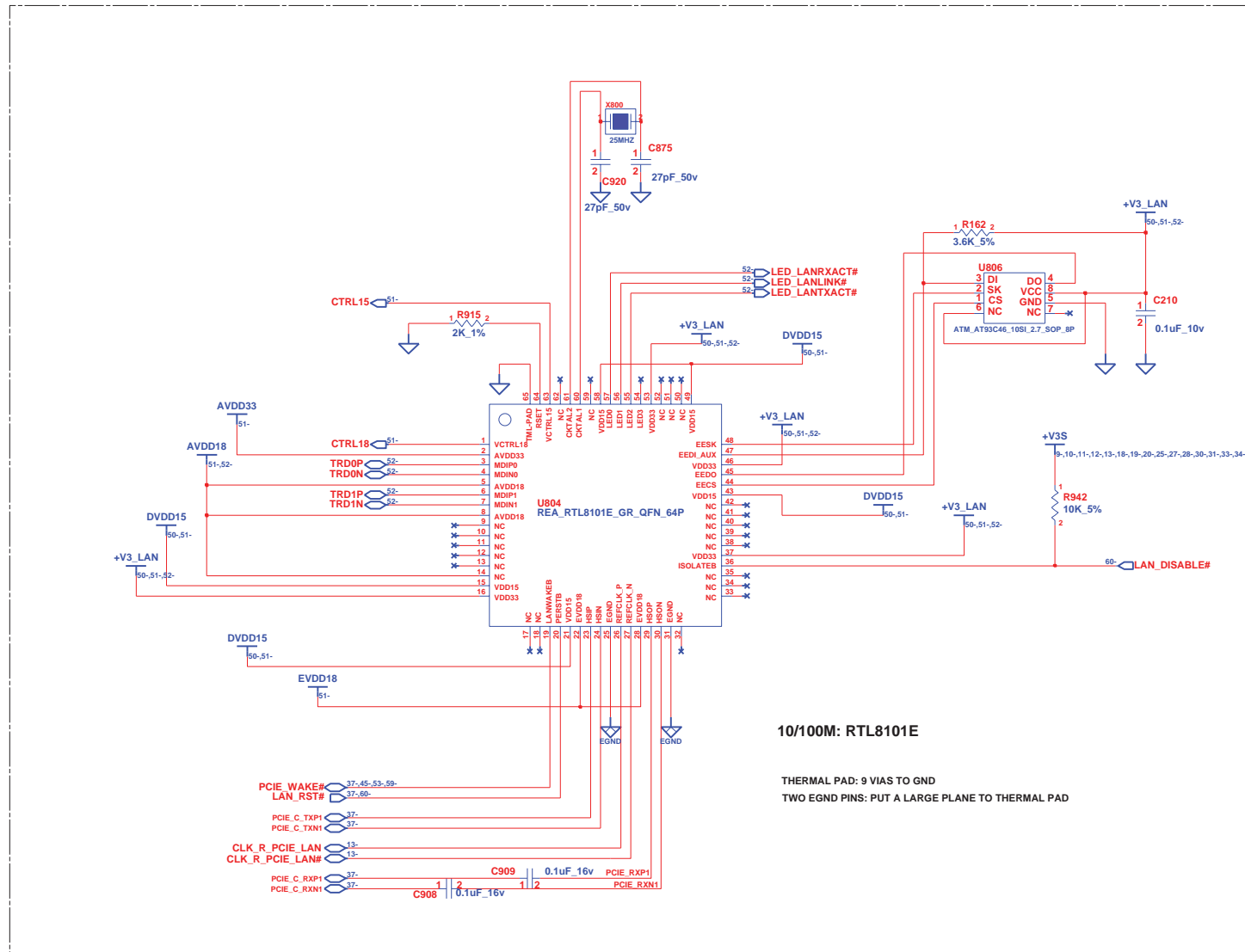
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TITLE HONOLULU BCAS Card-1			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
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WS

MP



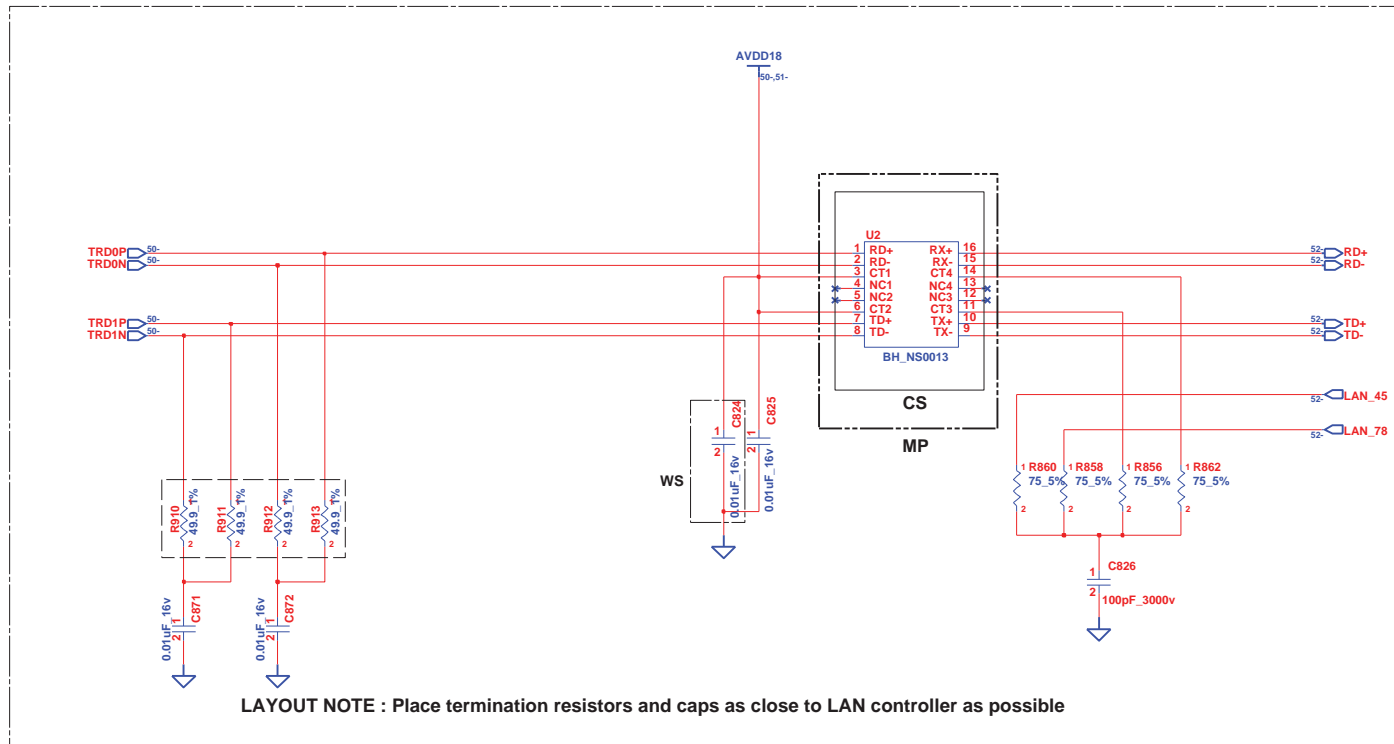
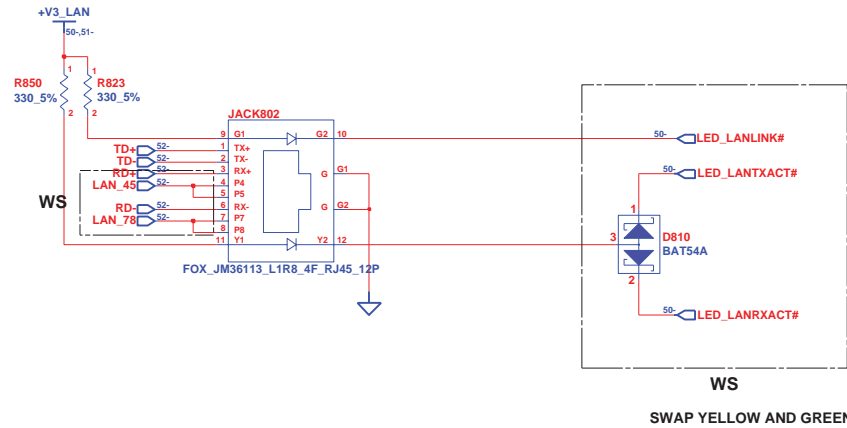
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10/100M: RTL8101E

THERMAL PAD: 9 VIAS TO GND
TWO EGN PINS: PUT A LARGE PLANE TO THERMAL PAD



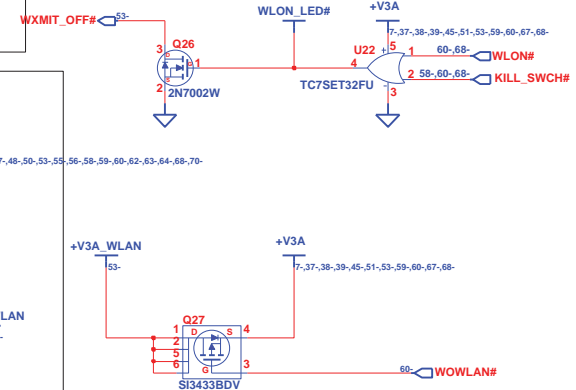
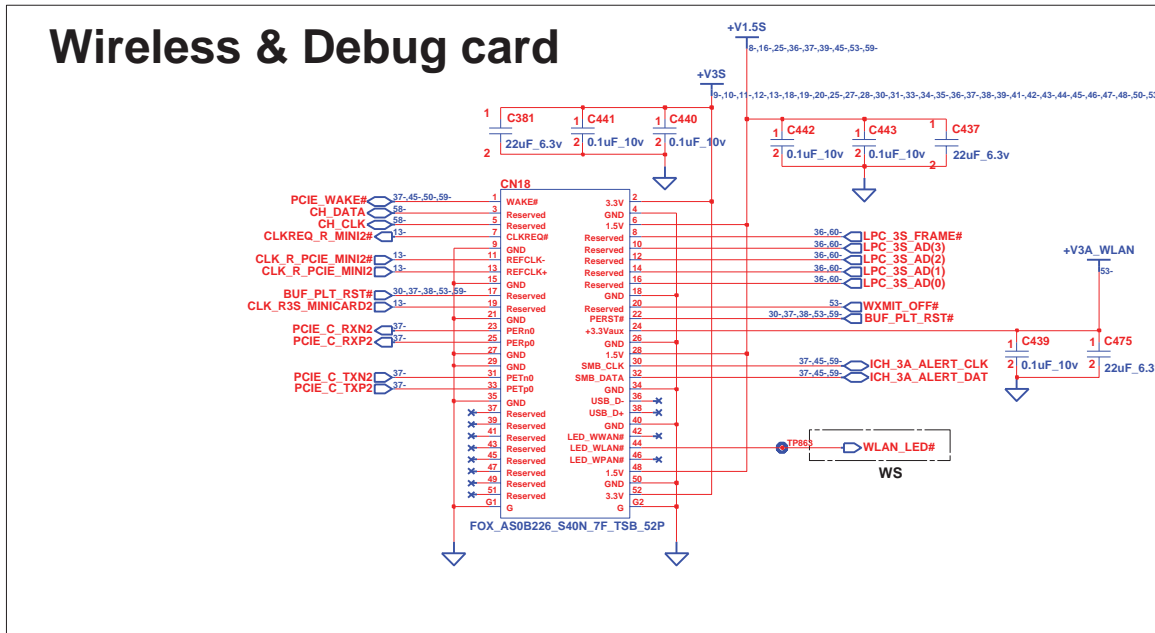
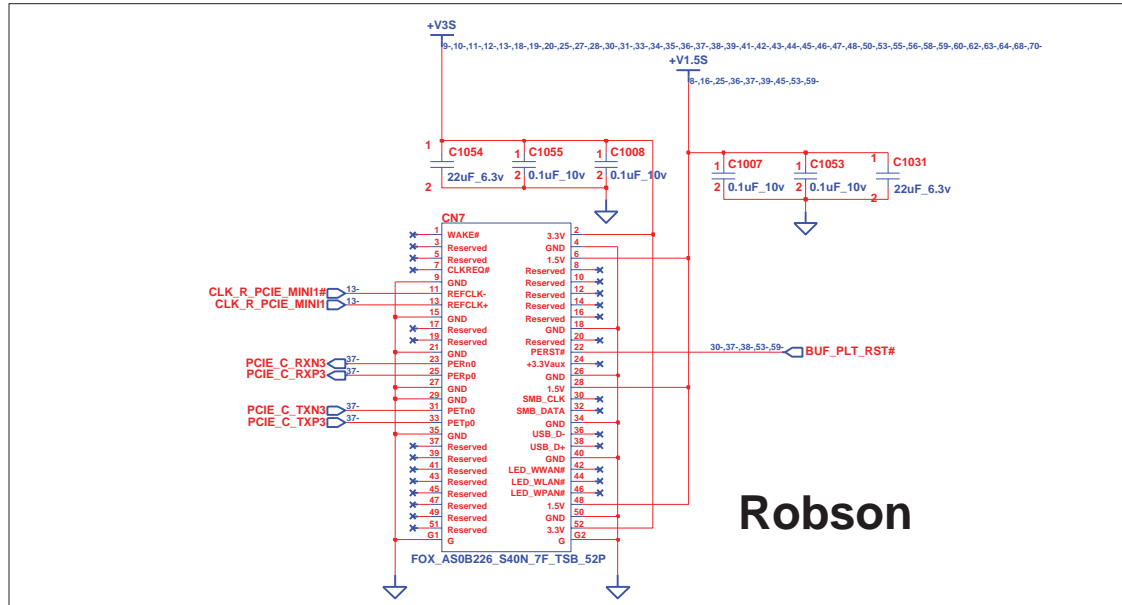
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV A02
SHEET 51 OF 78			

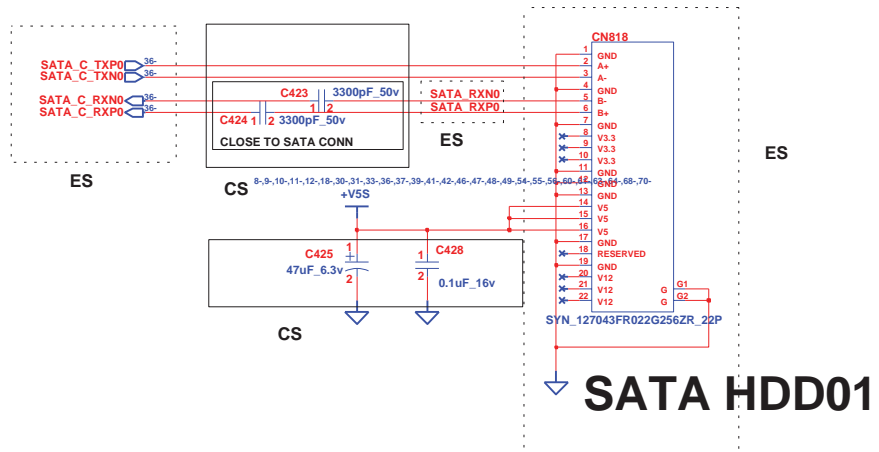
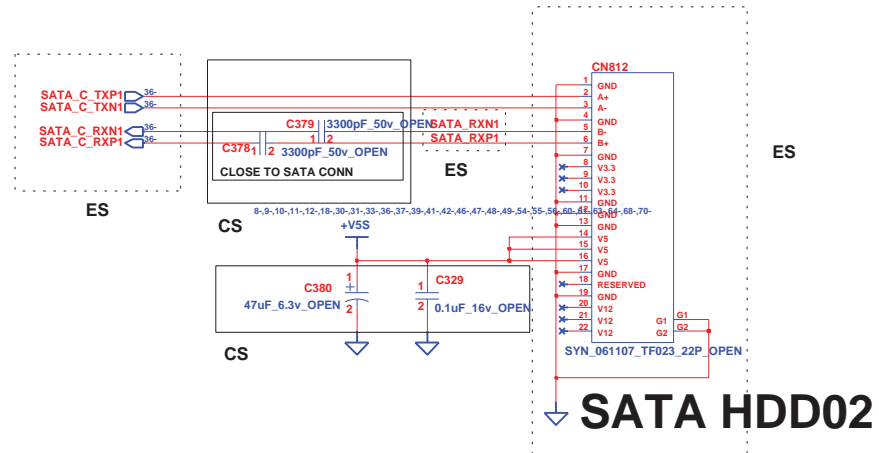


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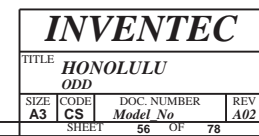
INVENTEC			
TITLE HONOLULU LAN RJ45 CONN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 52		OF 78	

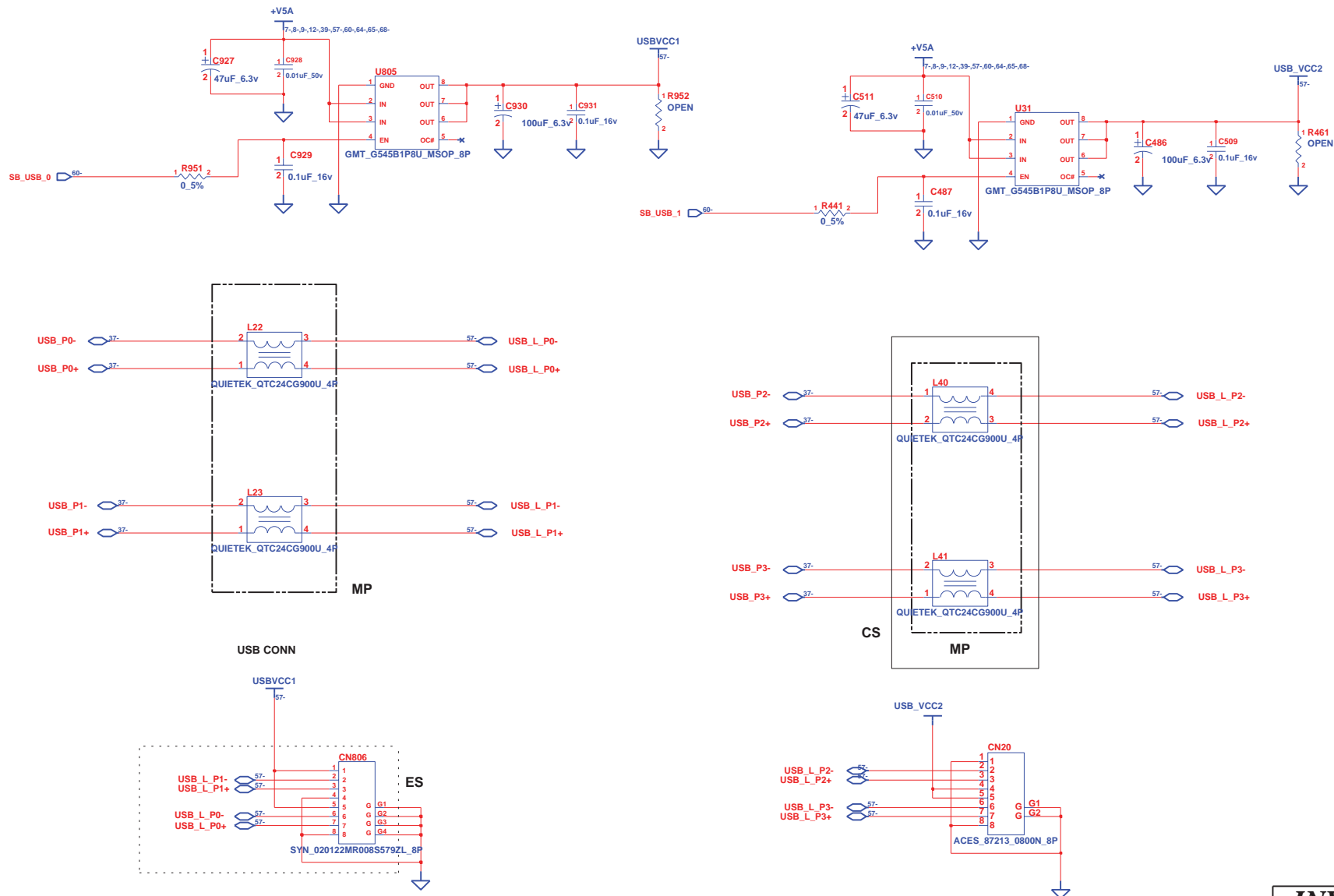
CHANGE by TIGER 13-Apr-2007

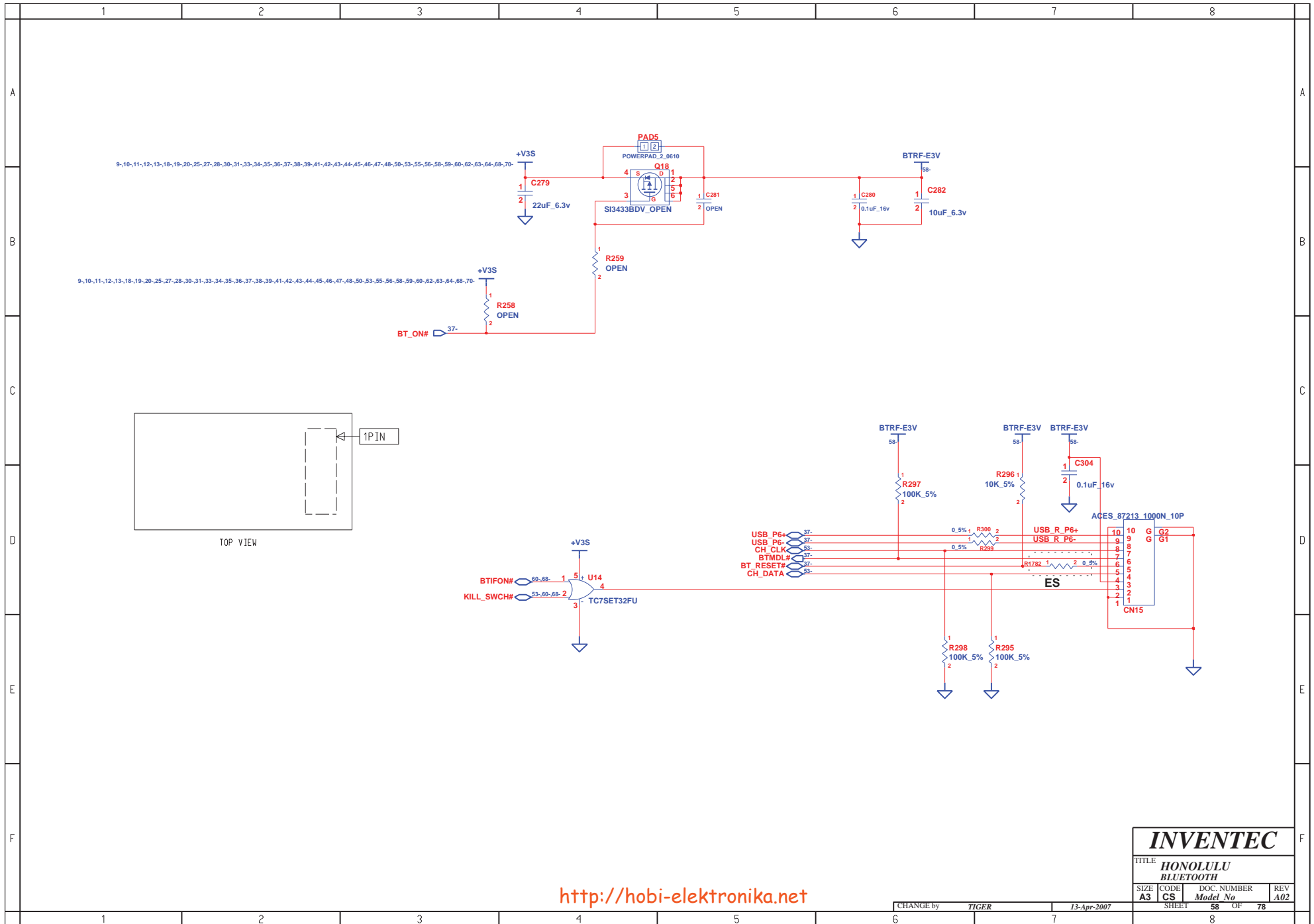


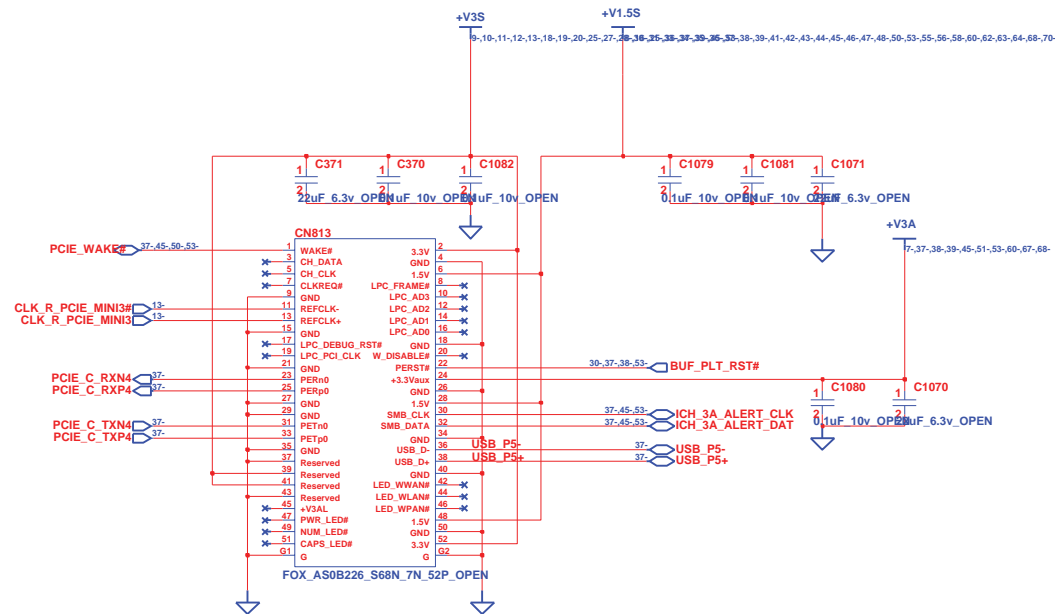


<http://hobi-elektronika.net>

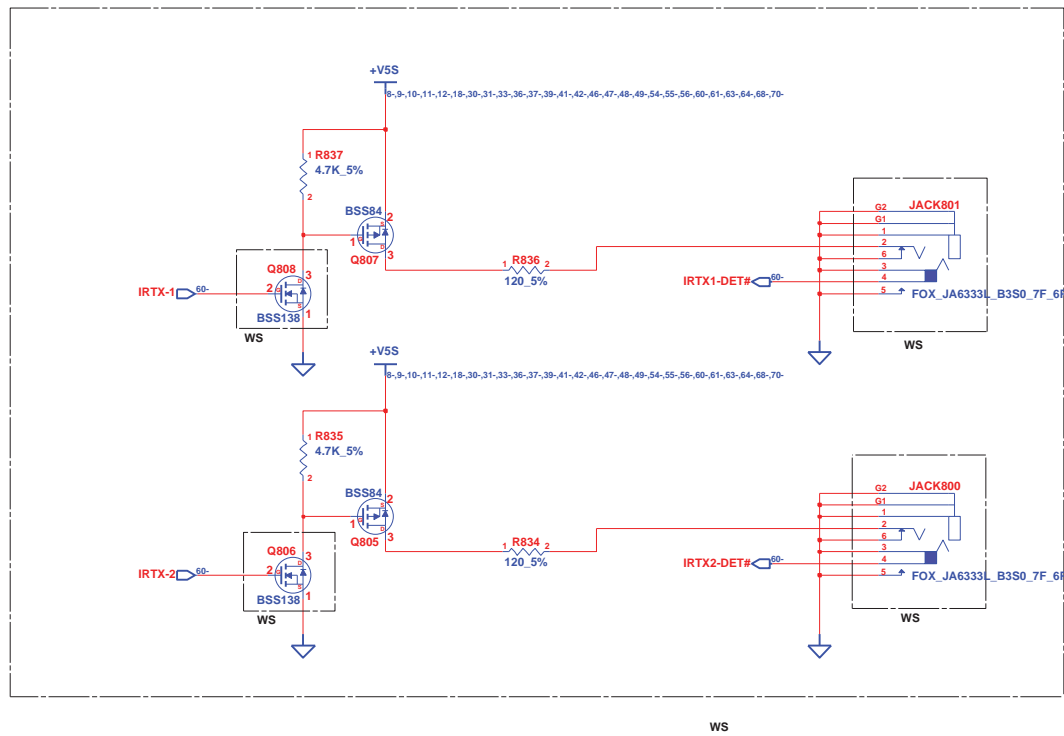


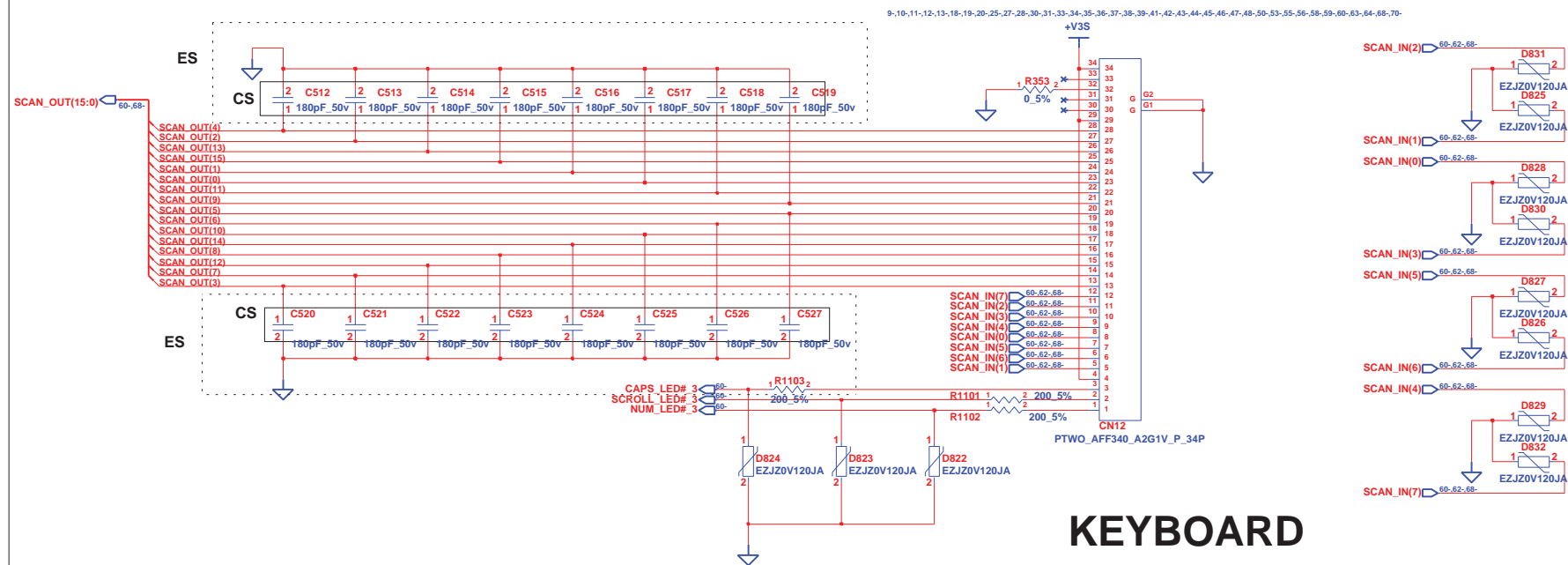




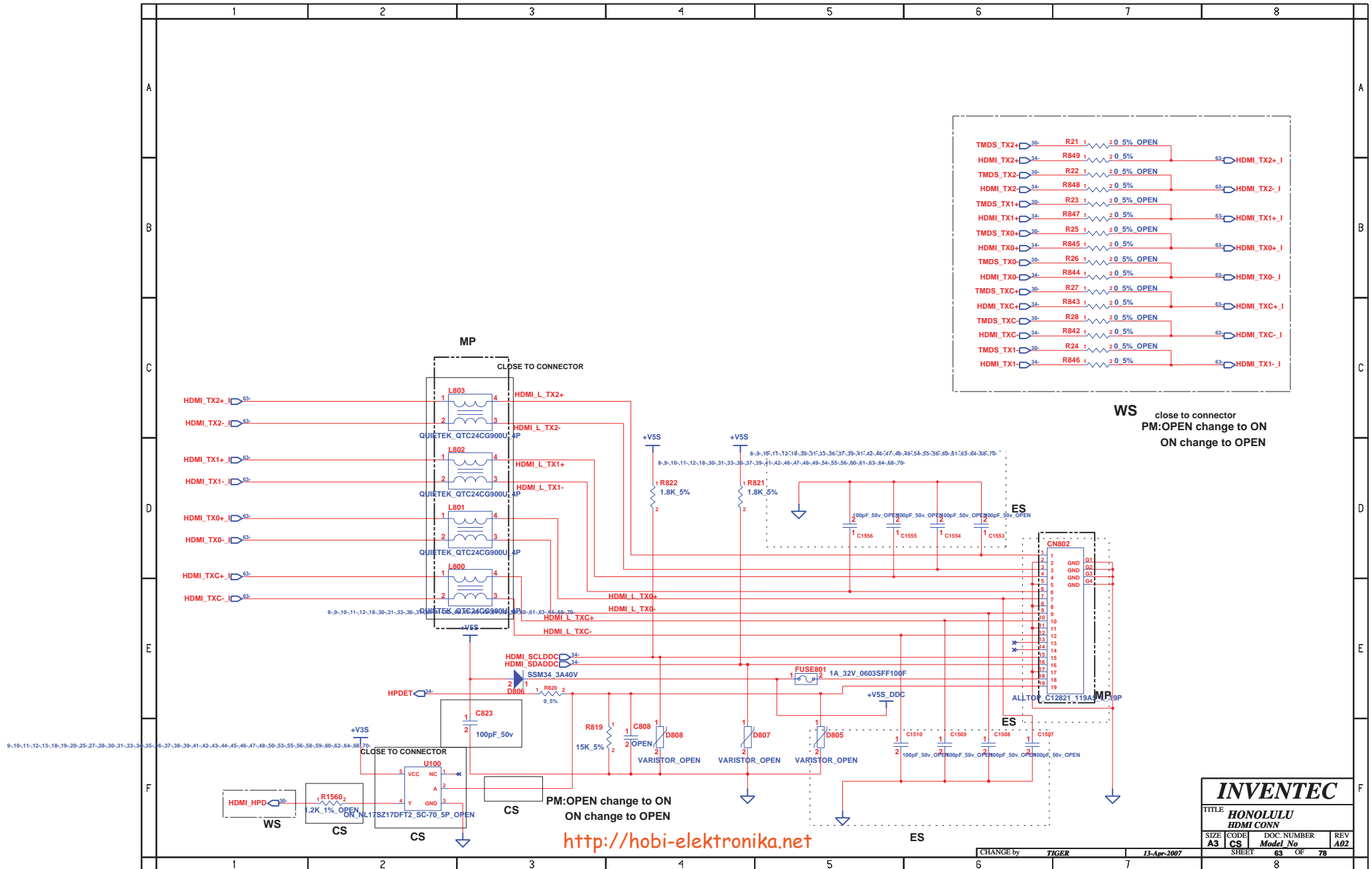






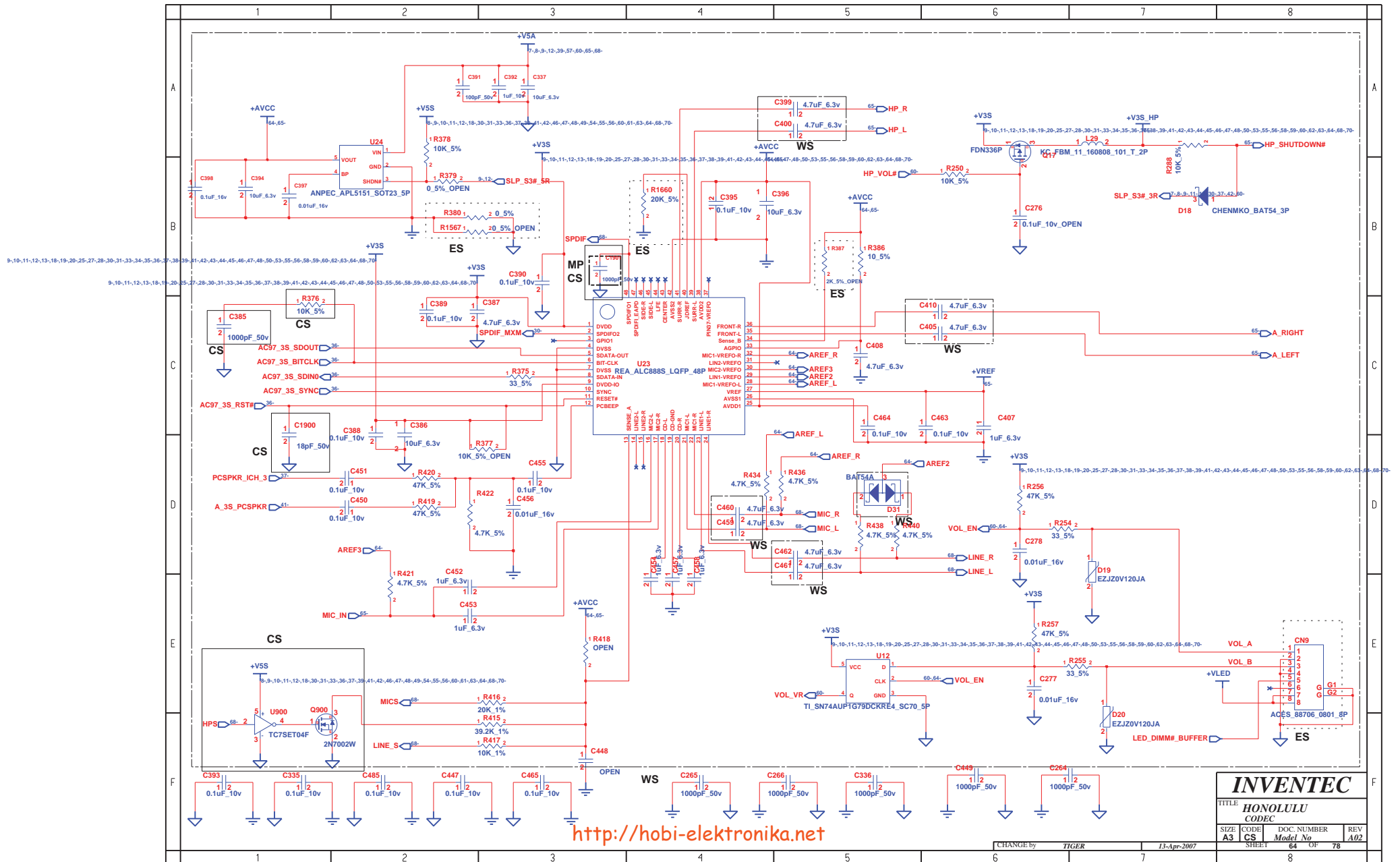


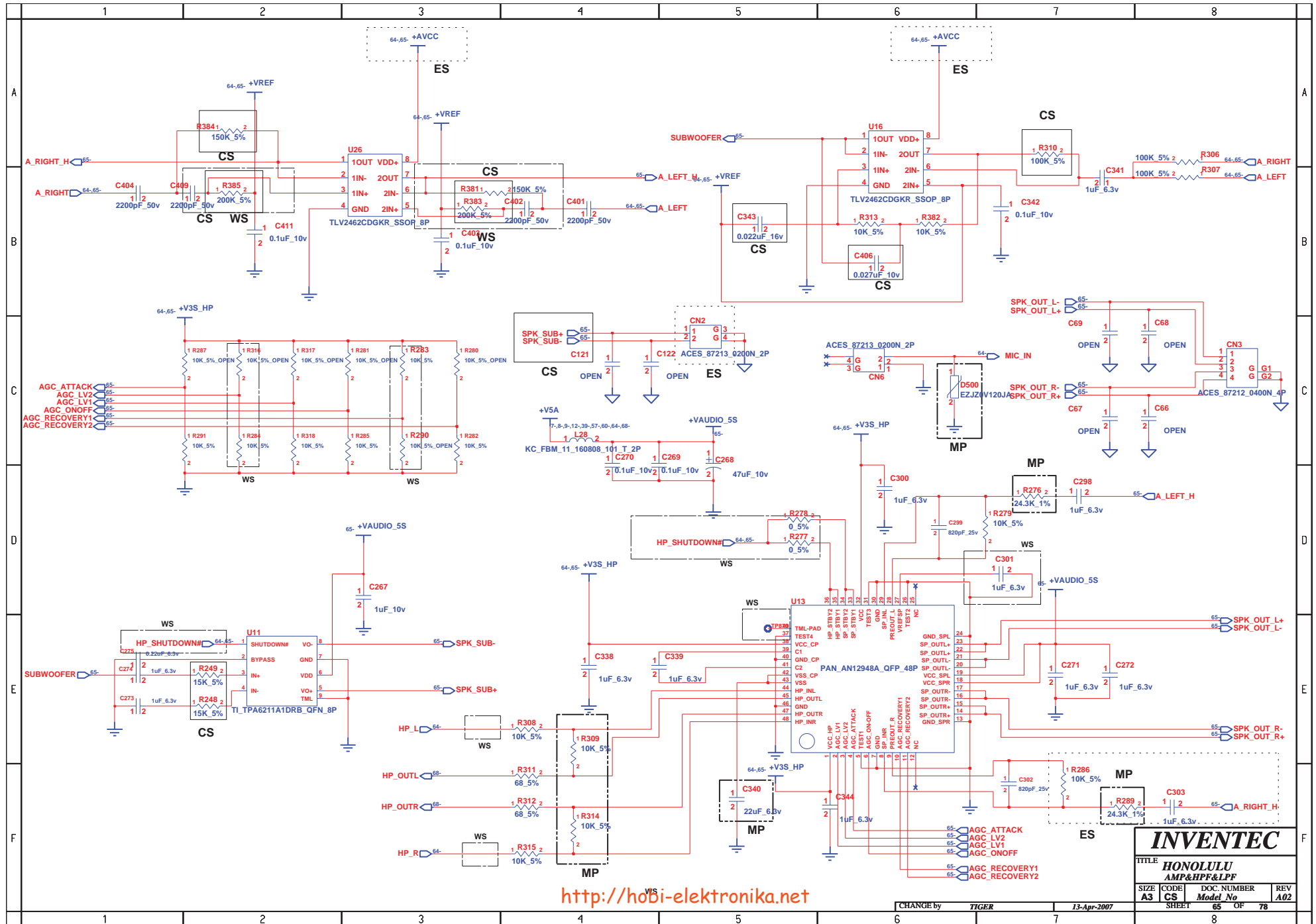
KEYBOARD



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INVENTEC				
TITLE: HONOLULU HDMI CONN				
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02	
CHANGE by TIGER		13-Apr-2007		SHEET 63 OF 78
1		2		8





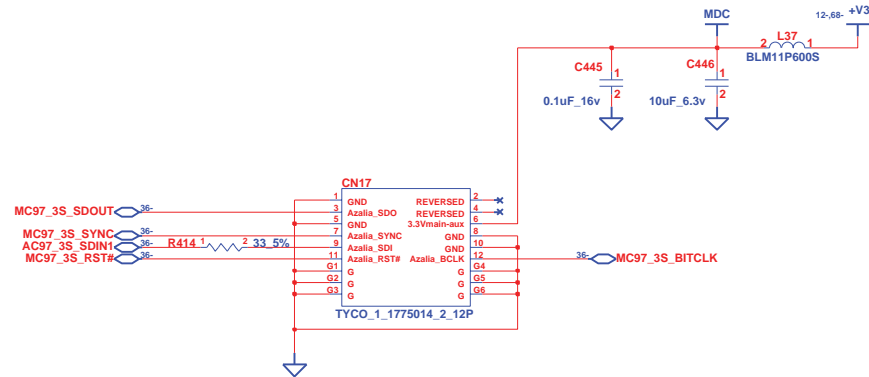
INVENTEC

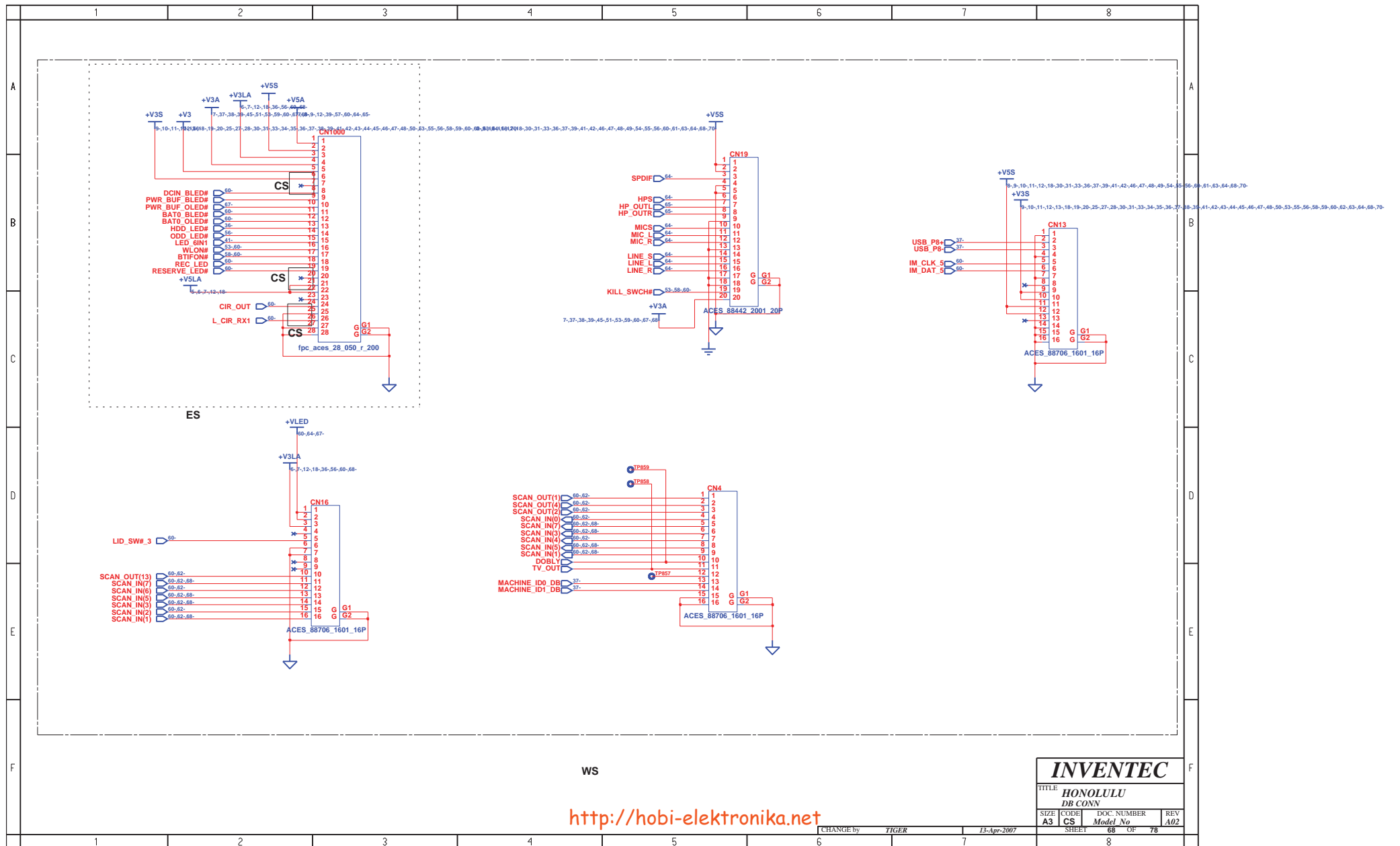
TITLE
**HONOLULU
AMP&HPP&LPF**

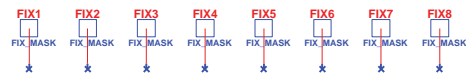
SIZE CODE DOC. NUMBER REV
A3 CS Model No 65 OF 78 A02

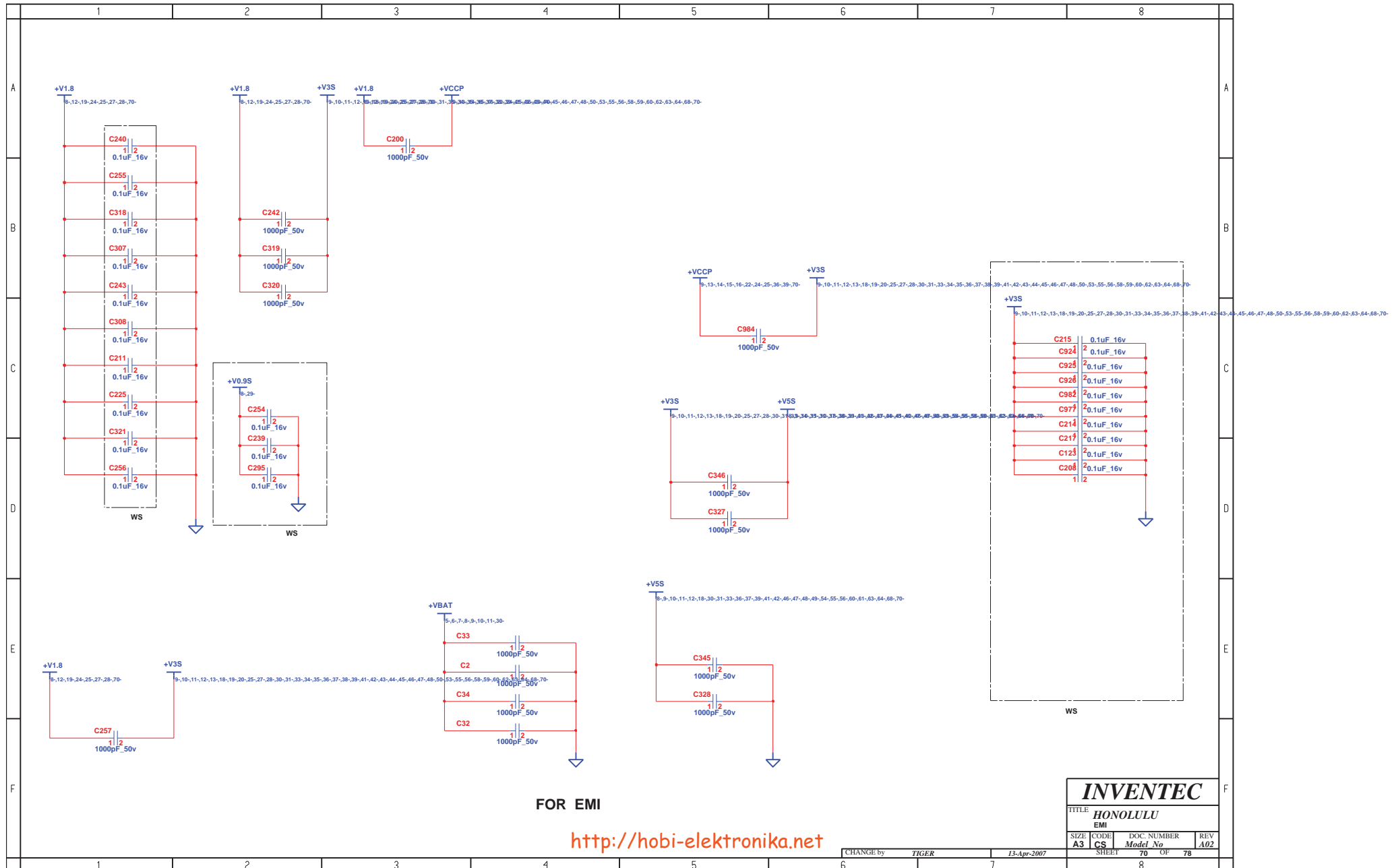
CHANGE by **TIGER** 13-Apr-2007

SHEET 65 OF 78

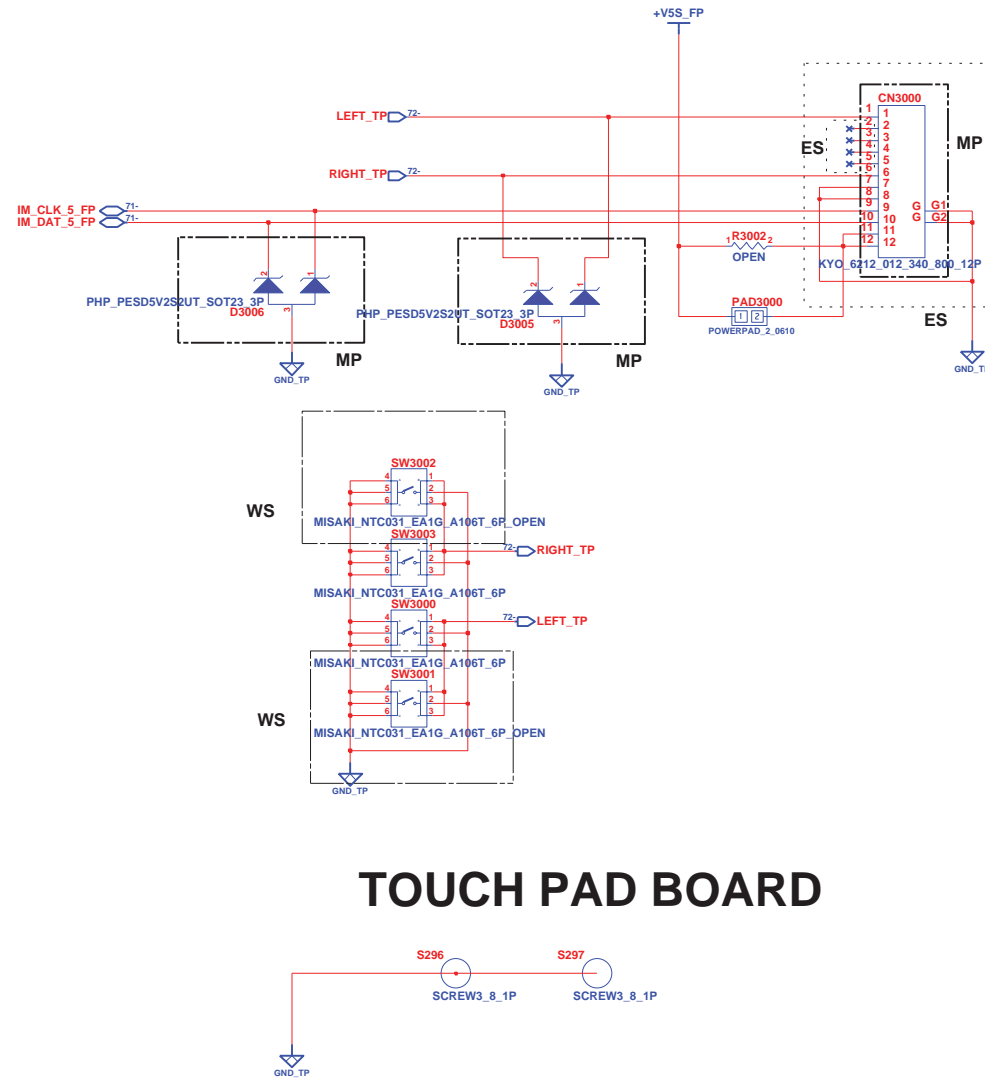




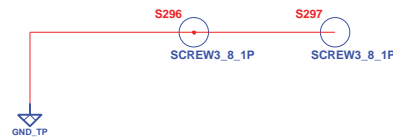


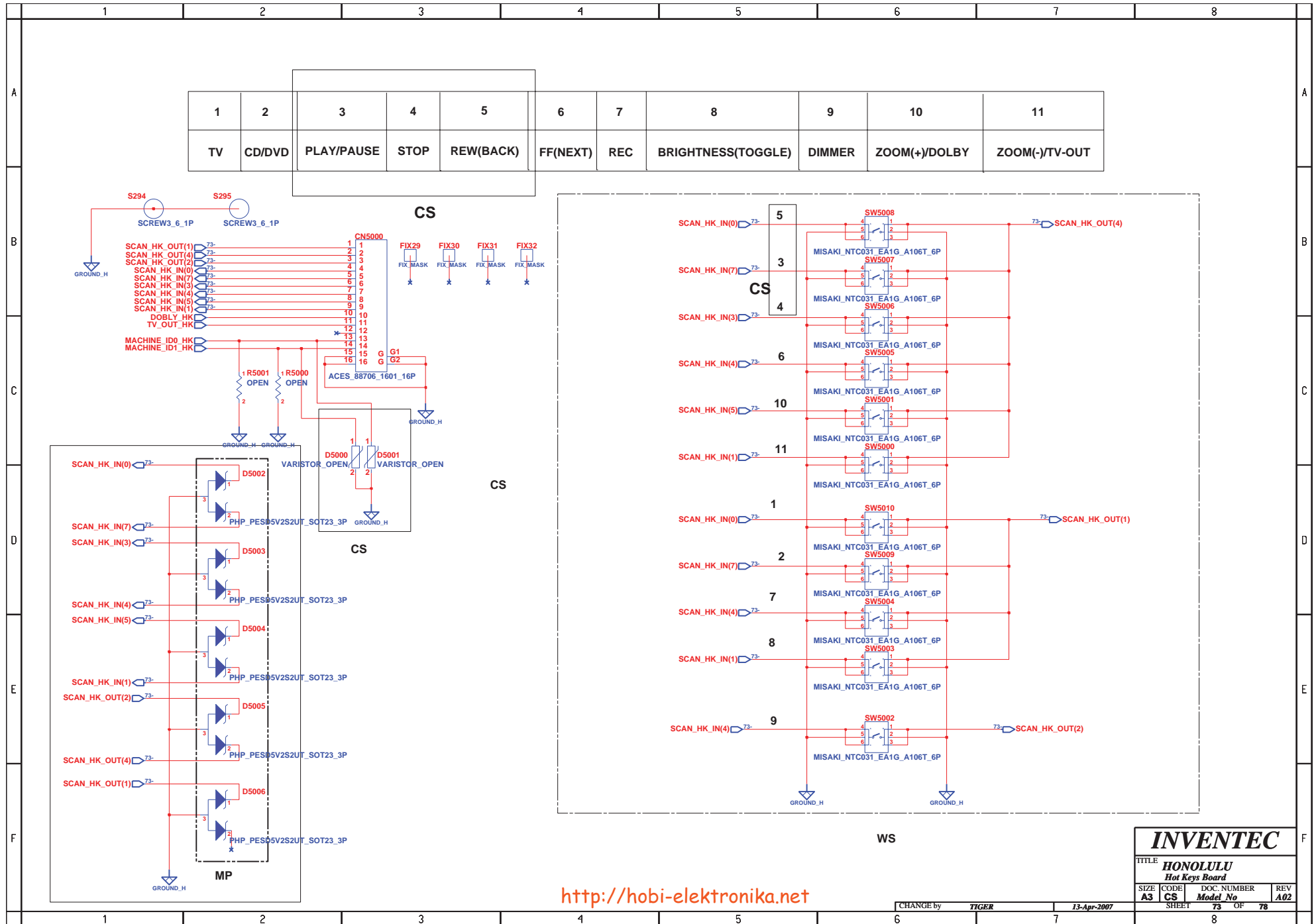


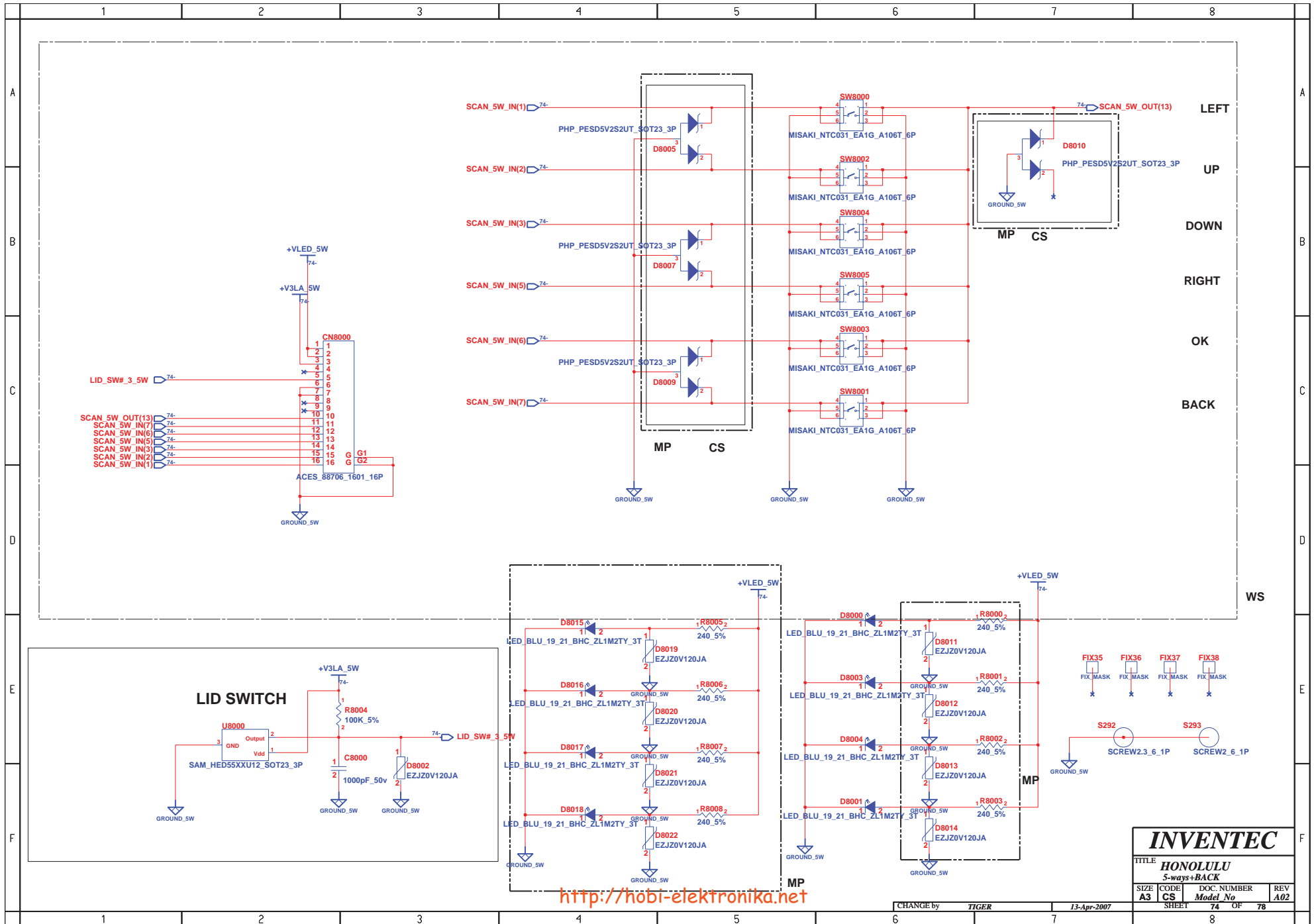
INVENTEC			
TITLE HONOLULU			
EMI			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
CHANGE by TIGER		13-Apr-2007	SHEET 70 OF 78



TOUCH PAD BOARD







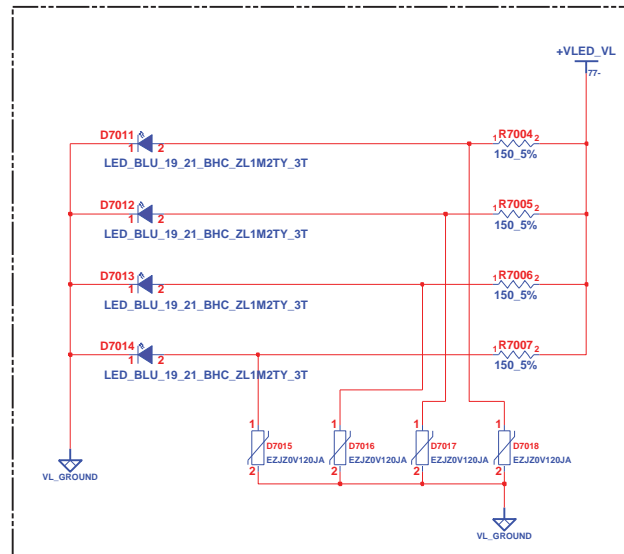
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INVENTEC			
TITLE HONOLULU 5-ways+BACK			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 74	OF 78		

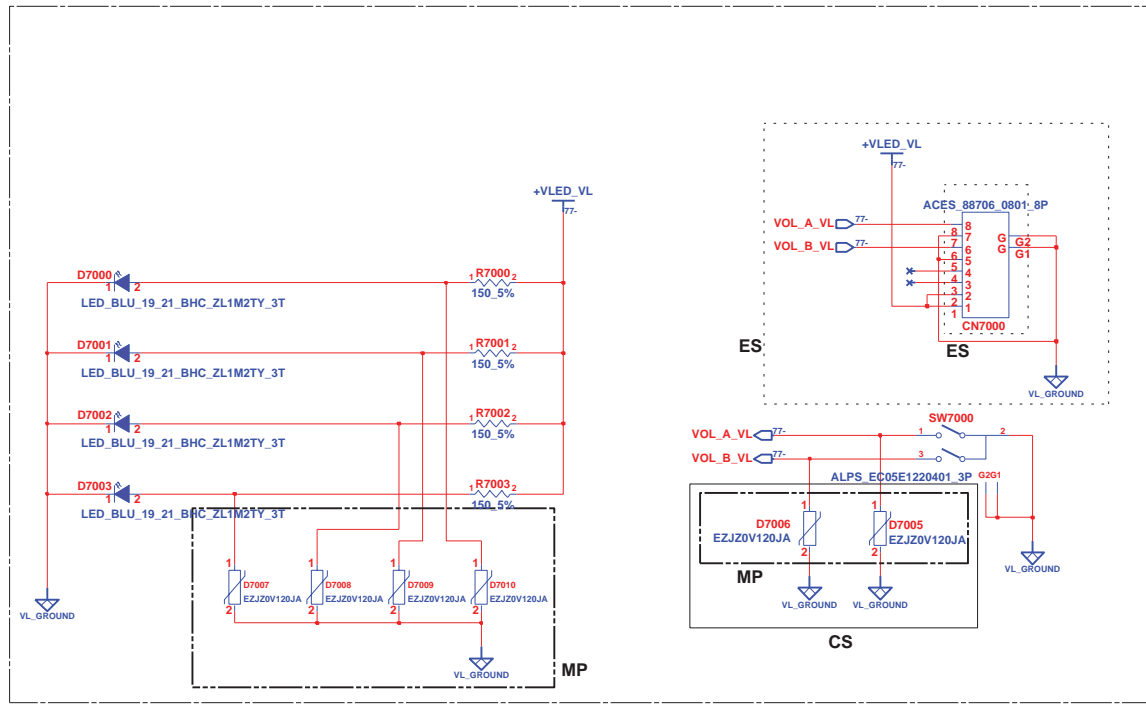
CHANGE by TIGER 13-Apr-2007



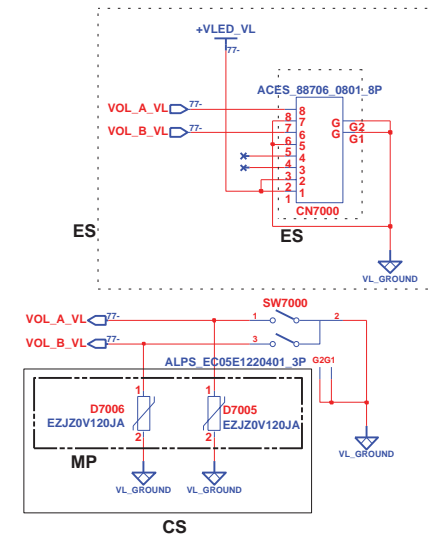




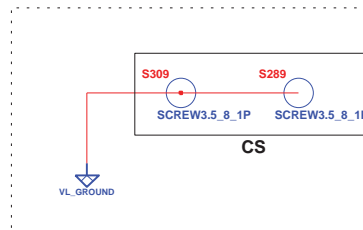
MP



WS



CS



ES



HONOLULU Configuration

Honolulu 10 & 10G:

	HONOLULU 10 (UMA)	HONOLULU 10G (Discrete)
NB	Crestline-GM	Crestline-PM
Graphics	Crestline-GM	MXM
HDMI	SIL1392	MXM
CRT	Crestline-GM	MXM
LCM	Crestline-GM	MXM
S-VIDEO	Crestline-GM	MXM
+VGFX-CORE	NEED	No NEED
SPDIF Out	ALC888 (Single)	ALC888S (Both)

BTO:

1. HDMI-out
2. Camera with internal microphone
3. Bluetooth
4. MDC/Modem
5. PC Card (type II) or ExpressCard/54
6. BCAS Card

TV Tuner, 3'rd mini card & 2'nd HDD Combination:

TV1	TV2	BCAS	3'rd mini card	2'nd HDD
Sepia-A	Not available	Not support	Not available	Available
Sepia-A	Sepia-A	Not support	Not available	Not available
Sepia-D	Sepia-D	Not support	Not available	Not available
Sepia-I	Not available	support	Not available	Available
Sepia-I	Sepia-I	support	Not available	Not available
Sepia-IA	Not available	support	Not available	Available
Not available	Sepia-A	Not support	HD-DVD accelerator	Not available
Not available	Sepia-D	Not support	HD-DVD accelerator	Not available
Not available	Sepia-I	support	HD-DVD accelerator	Not available
Not available	Sepia-IA	support	HD-DVD accelerator	Not available

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INVENTEC			
TITLE HONOLULU CONFIGURATION			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 78		OF 78	

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