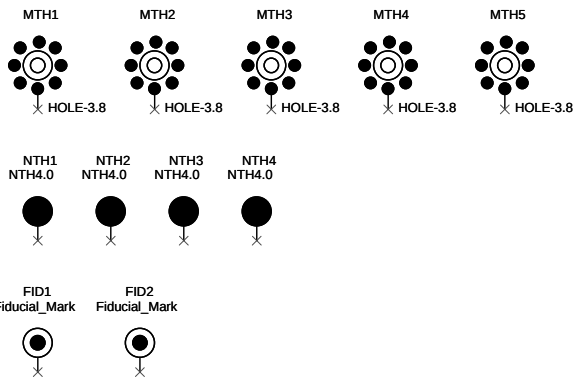
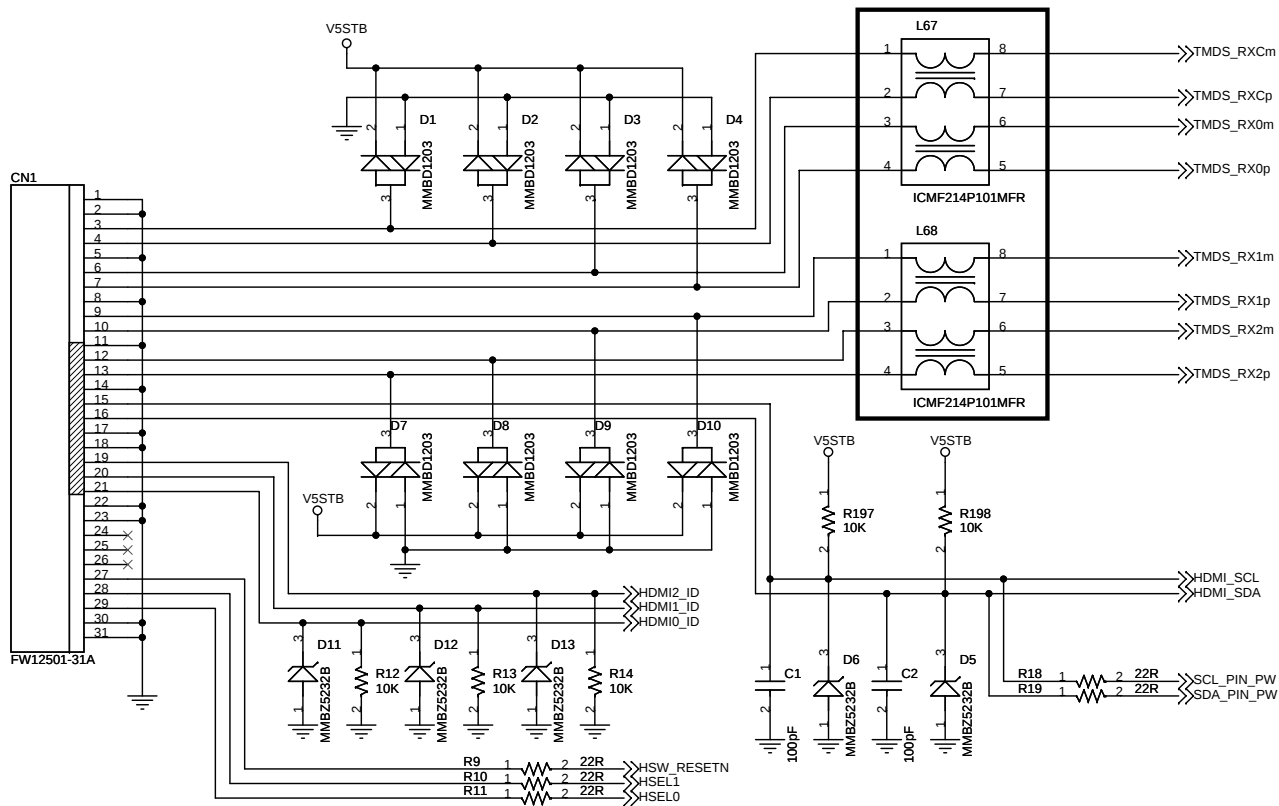


MODEL : LB506 Main Board

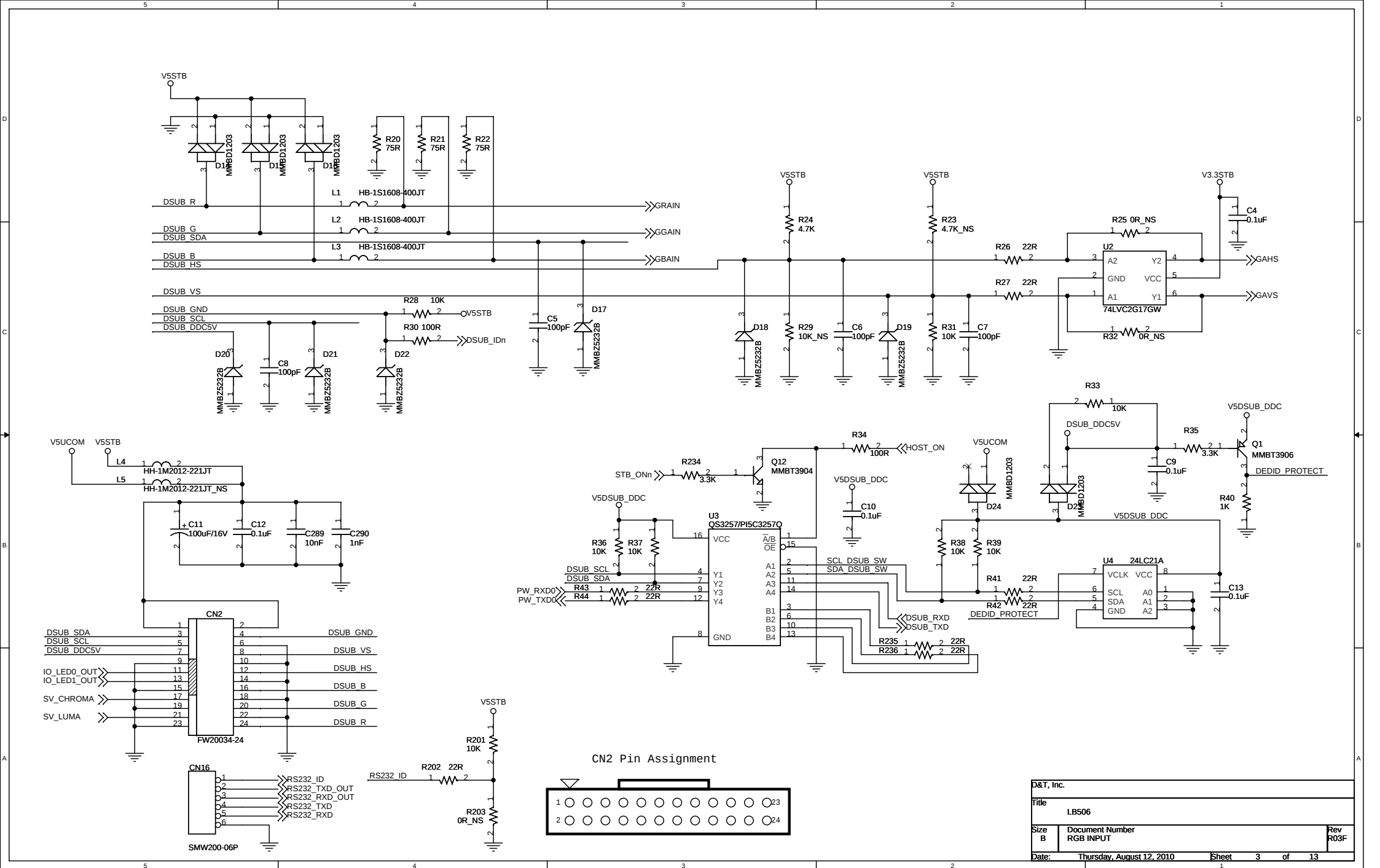
REVISION NO : R03F

REV	DATE	HISTORY
R01	2007/10/12	1st Edition
R02	2008/01/31	2nd Edition SHARP 65INCH대응, Soft off때 low power대응등,
R03	2008/03/21	3rd Edition RS232 통신 Out line, MICOM 통신 Line의 TX, RX상호 변경 Panel option관련, Power 관련부품의 미삽 및 삽입 MICOM의 Clock관련 변경
R03A	2008/06/18	1) Indicator Power 분리 (Sleep Mode) 2) Mouting Hole 추가 3) C254 : Dip type OS-CON cap으로 변경 4) uCOM에서 SMPS power control
R03B	2008/07/16	1) EMI 관련 Indicator Power 회로 수정 2) RS232 시정 수 변경 3) uCOM에서 OE 신호 control
R03C	2008/08/14	1) Change U25 power from V50FF to V50FFS 2) MAX232-->MAX232A 변경에 따른 정수변경
R03D	2008/12/10	1) HDMI입력, LVDS출력 common mode filter 추가 2) STB 5V 및 Panel 전원 라인 보강
R03E	2009/03/12	1) Add XTAL on ATmega88 2) Add option for compatibility LG PWM panel 3) Add HDMI equalizer(MAX3814) to improve noise immunity 4) Change U26 as FET type for better heat performance
R03F	2009/06/10	1) Remove HDMI equalizer(MAX3814) 2) Add buffer INV_ON signal

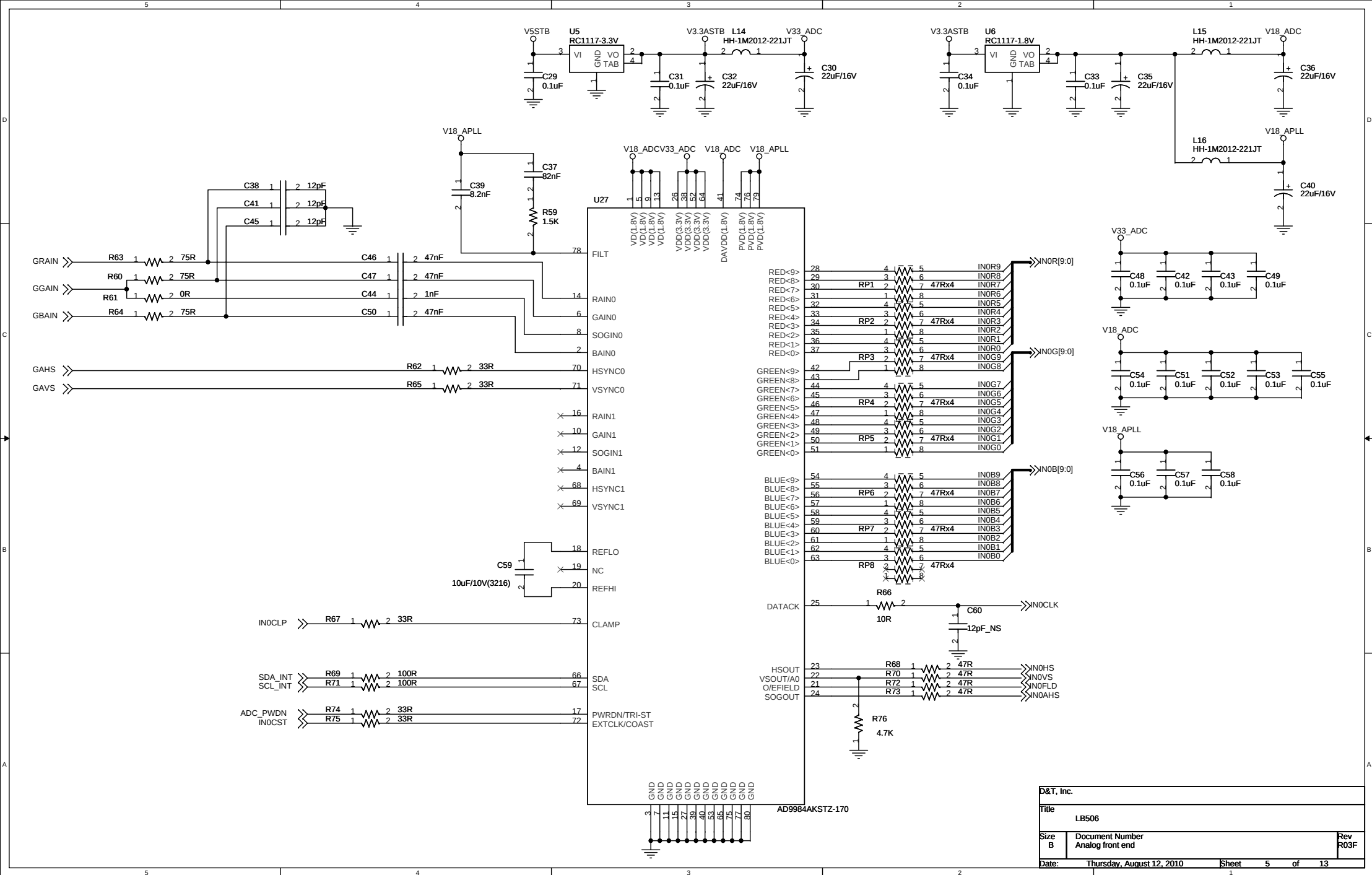
APPROVAL		
DESIGNER	PROJECT MANAGER	R&D DIRECTOR

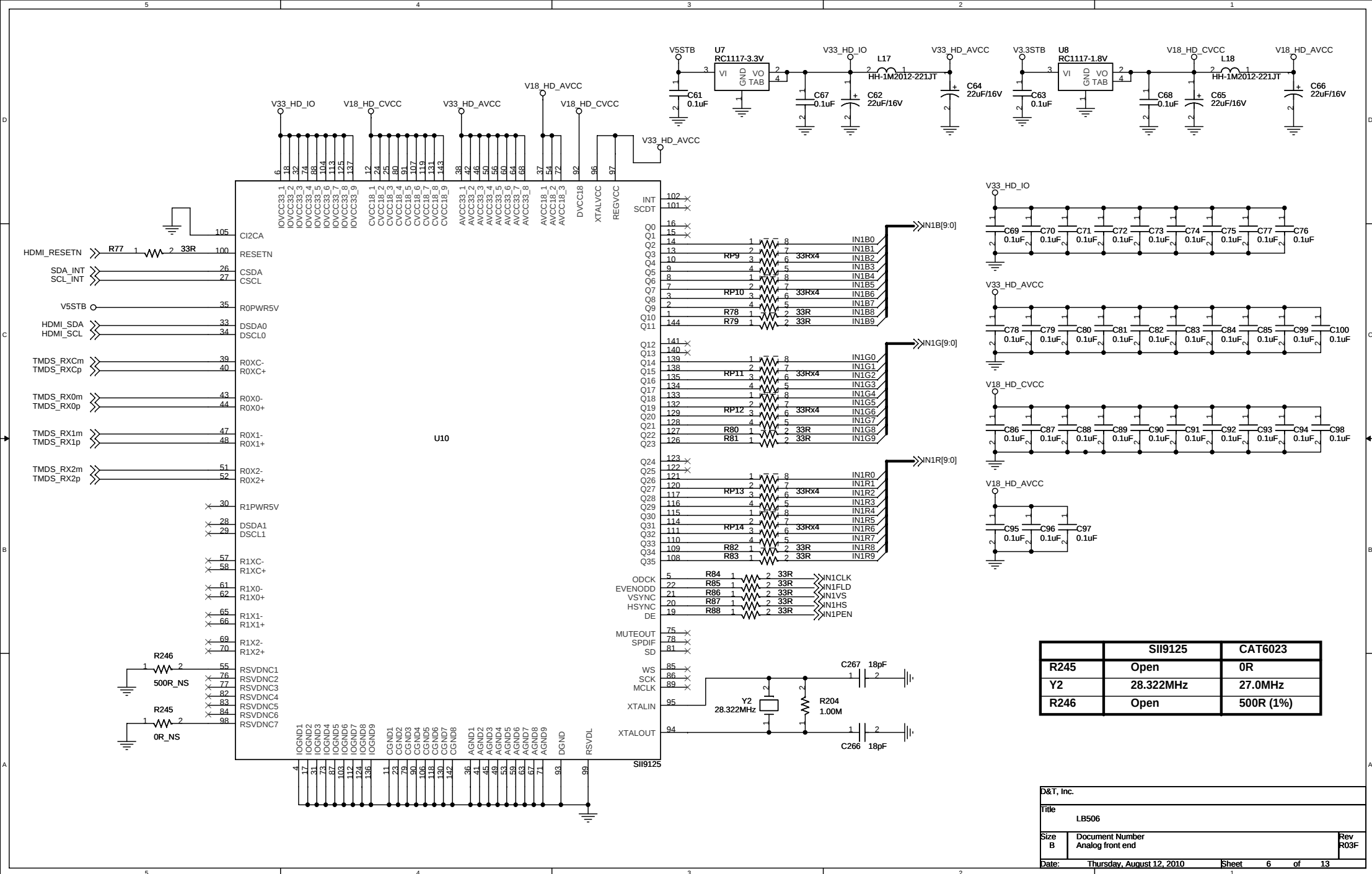


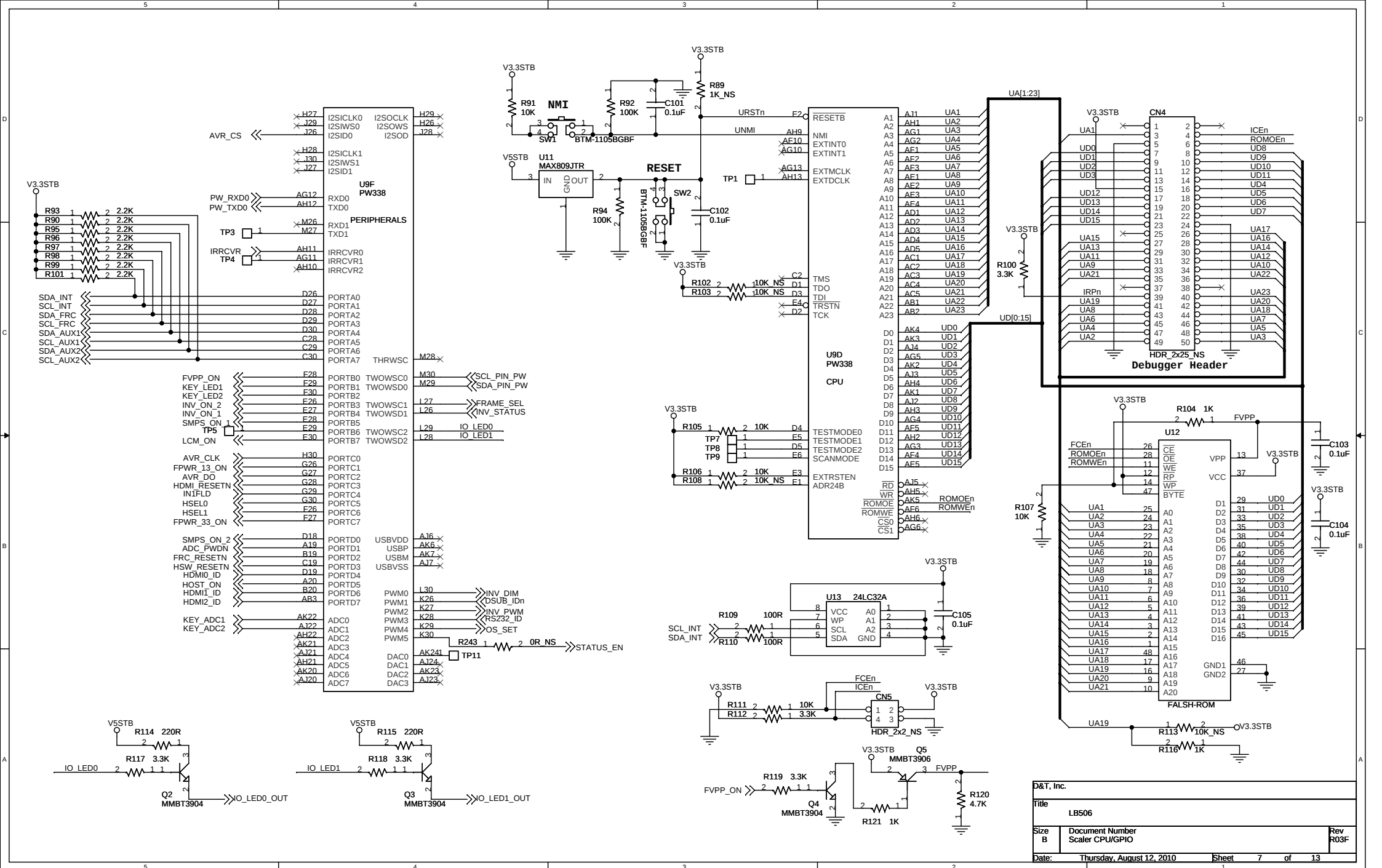
D&T, Inc.		
Title		
LB506		
Size	Document Number	Rev
B	DVI Input	R03F
Date:	Thursday, August 12, 2010	Sheet 2 of 13

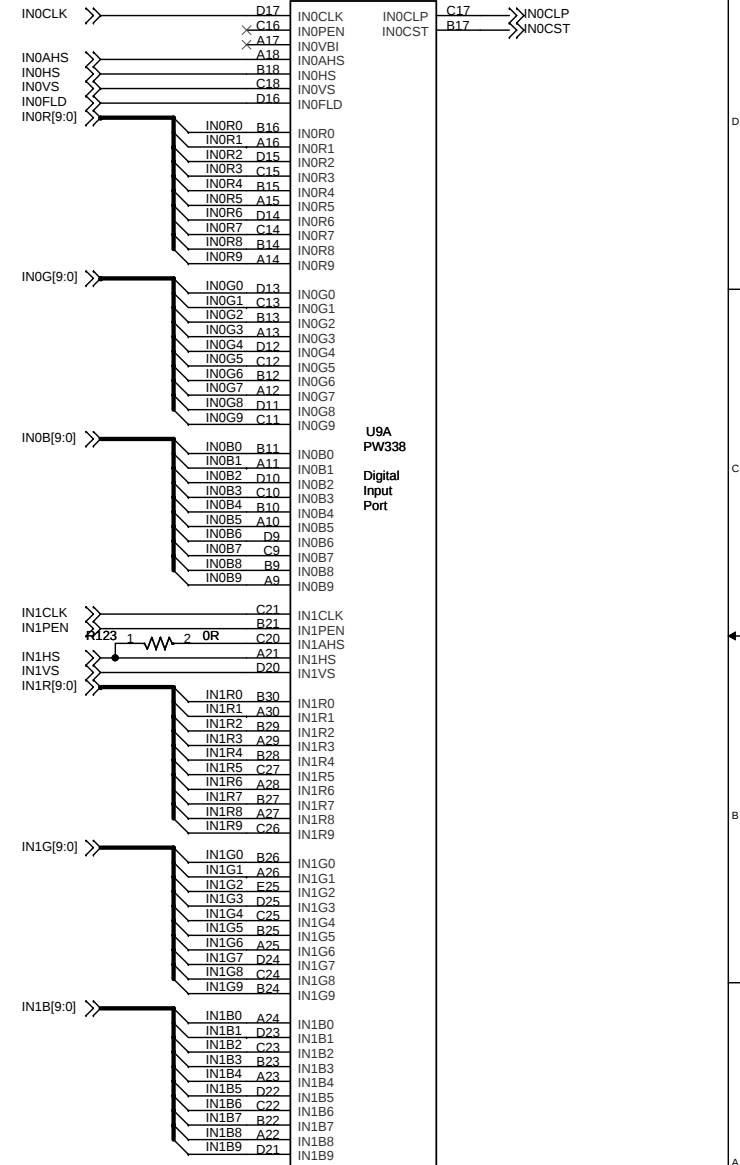
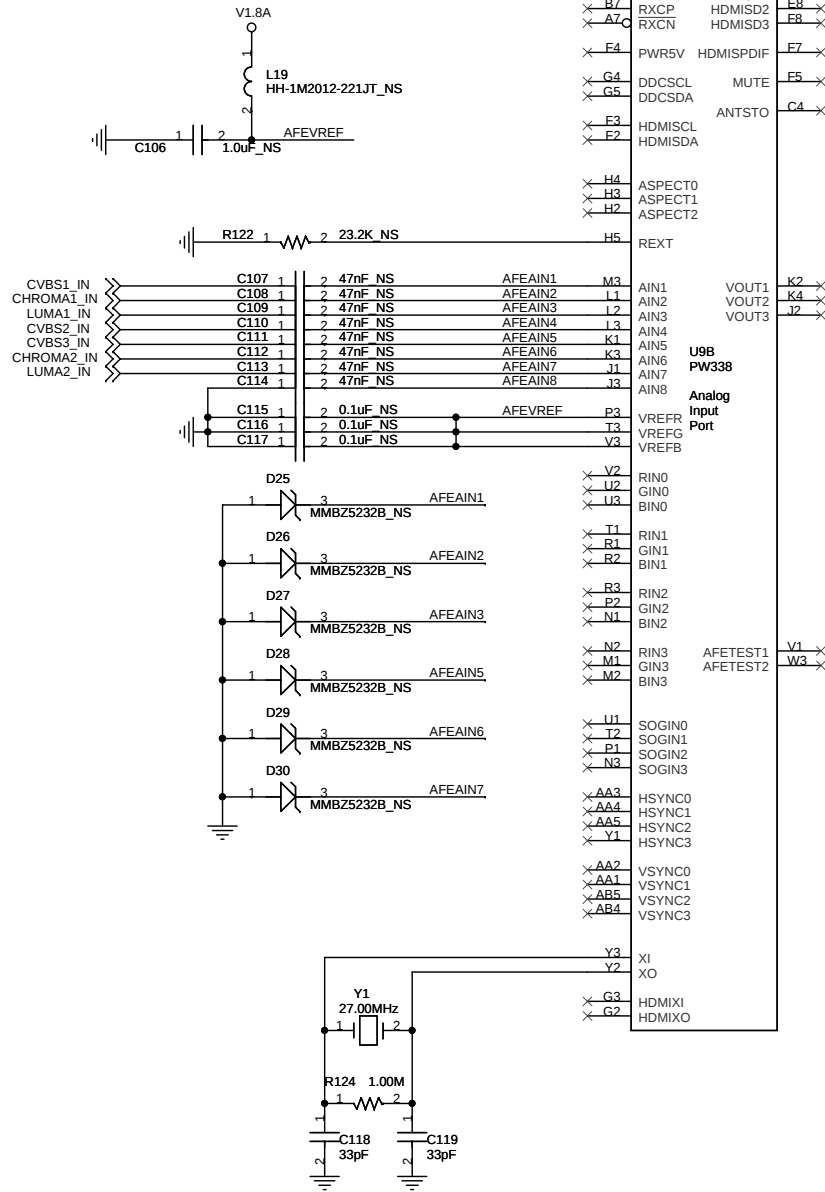


D&T, Inc.		
Title		
LB506		
Size		
B		
Document Number		
RGB INPUT		
Rev		
R03F		
Date:		
Thursday, August 12, 2010		
Sheet		
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of		
13		

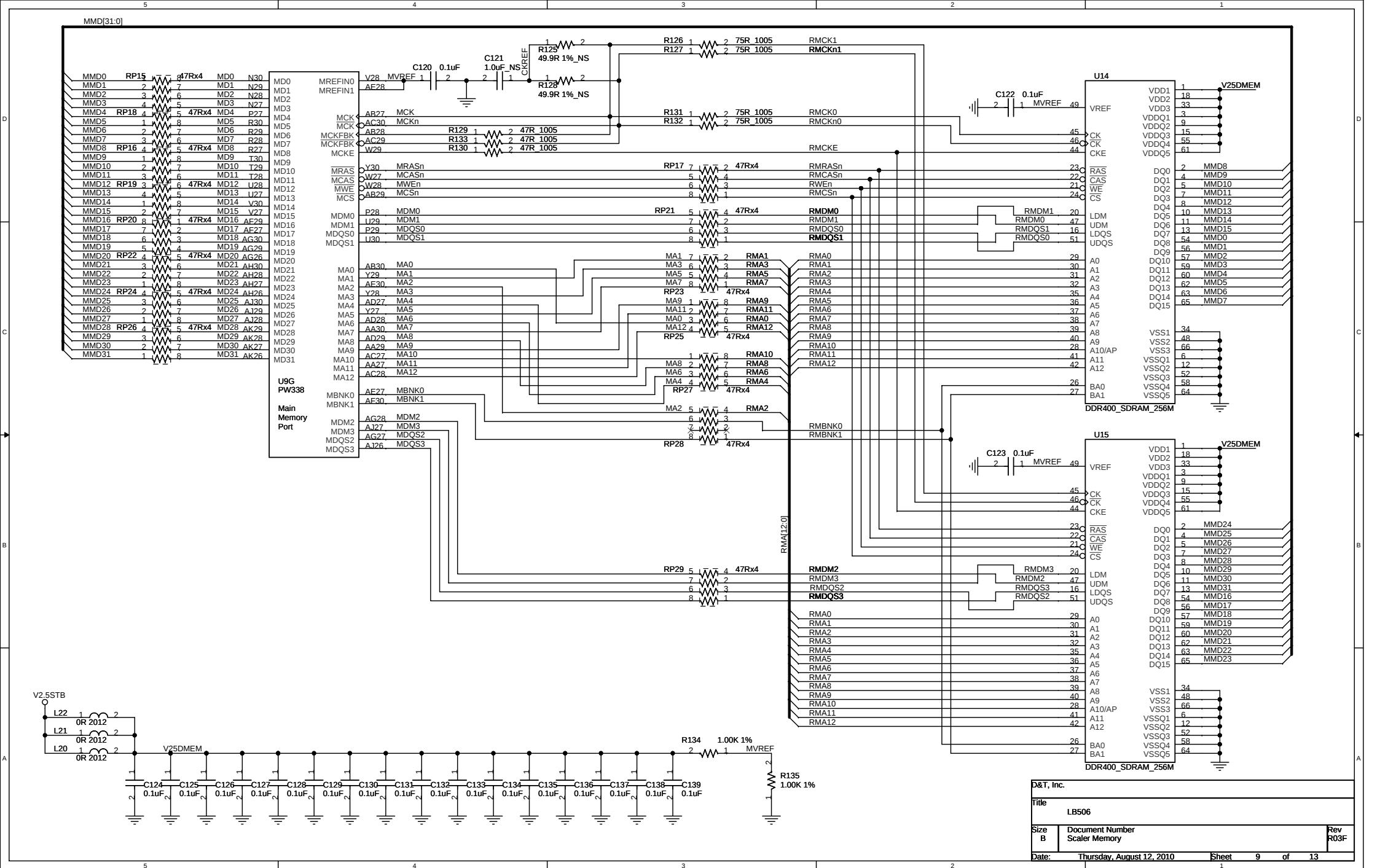


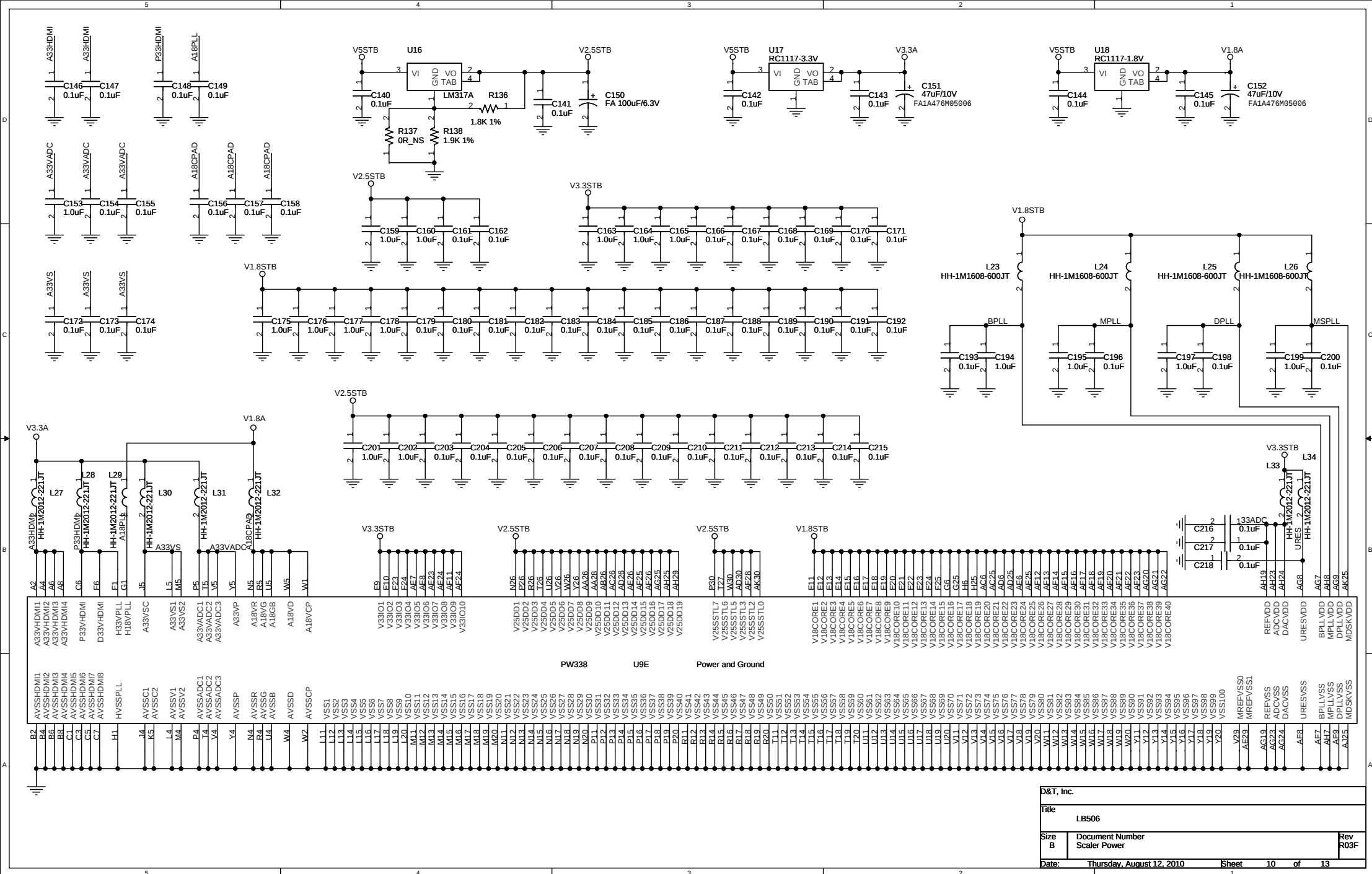


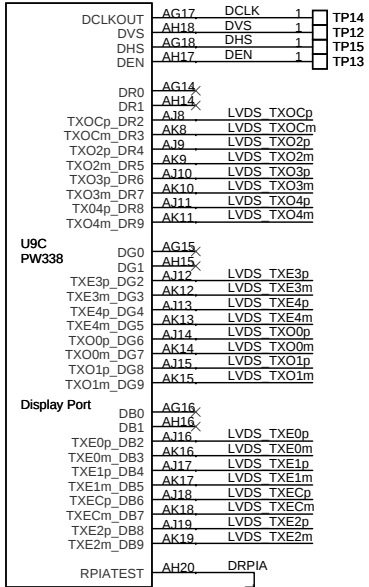




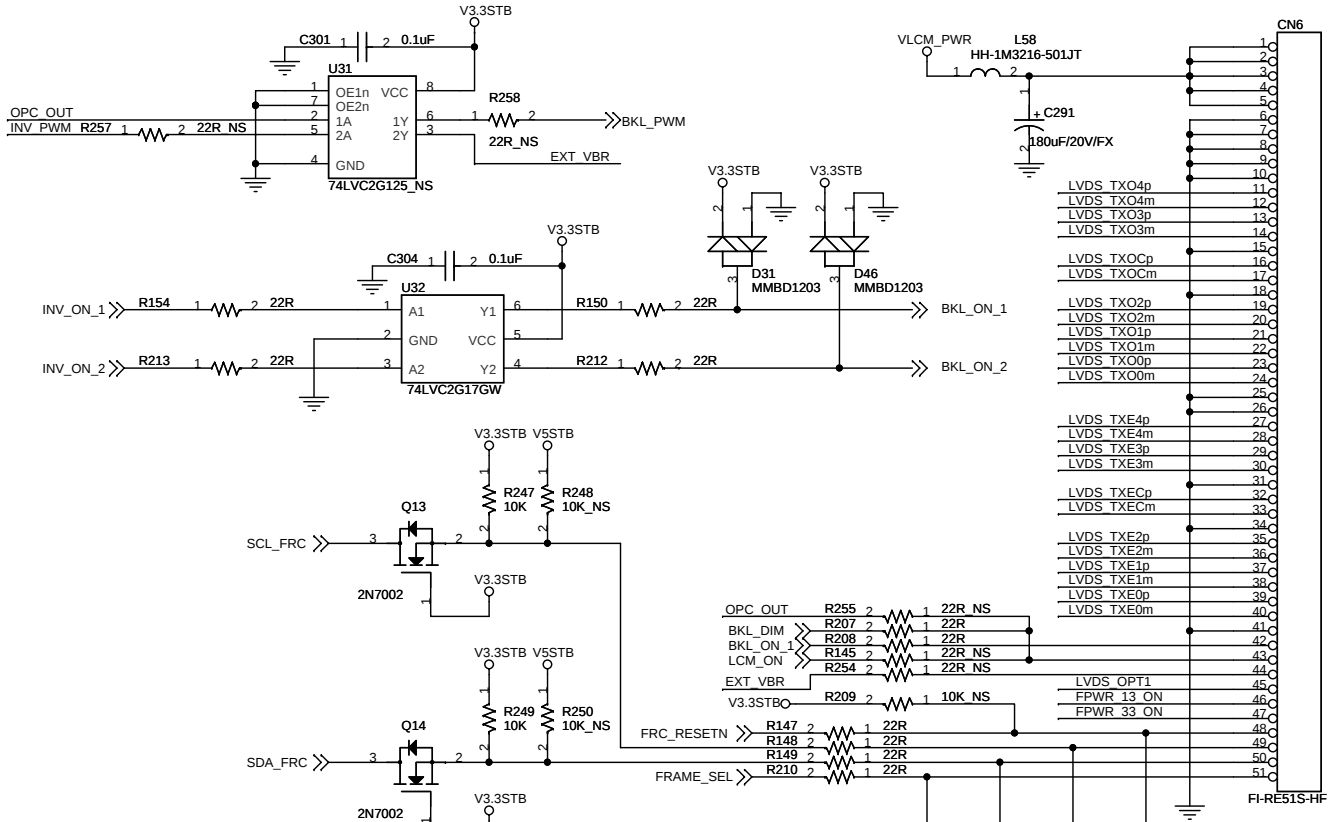
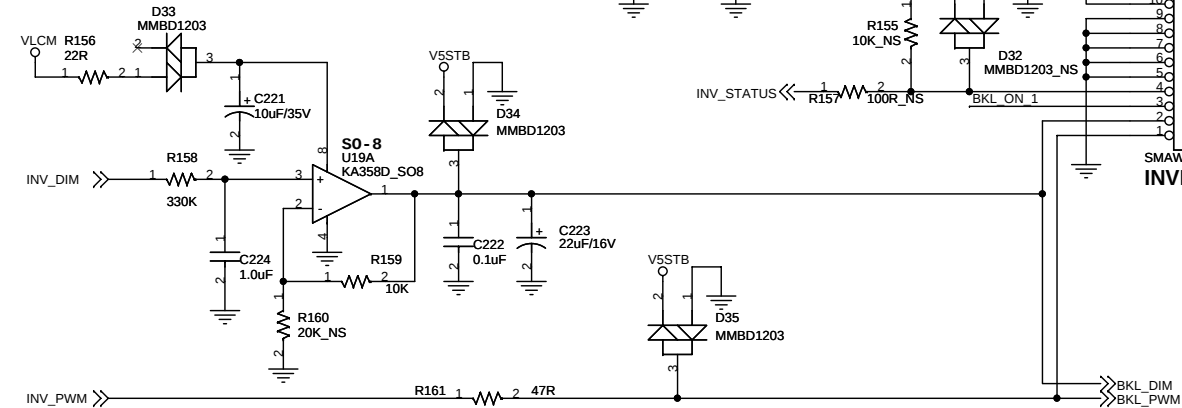
D&T, Inc.		
Title		
LB506		
Size	Document Number	Rev
B	Scaler Front End (FE)	R03F
Date:	Thursday, August 12, 2010	Sheet 8 of 13



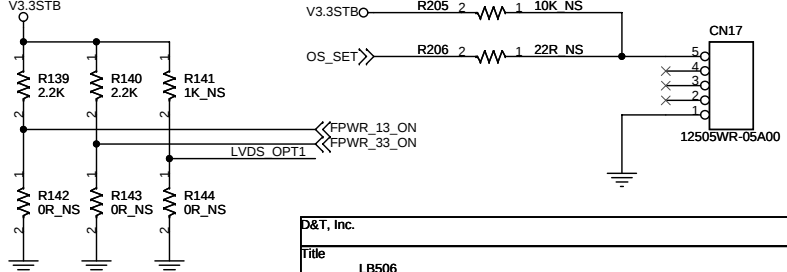




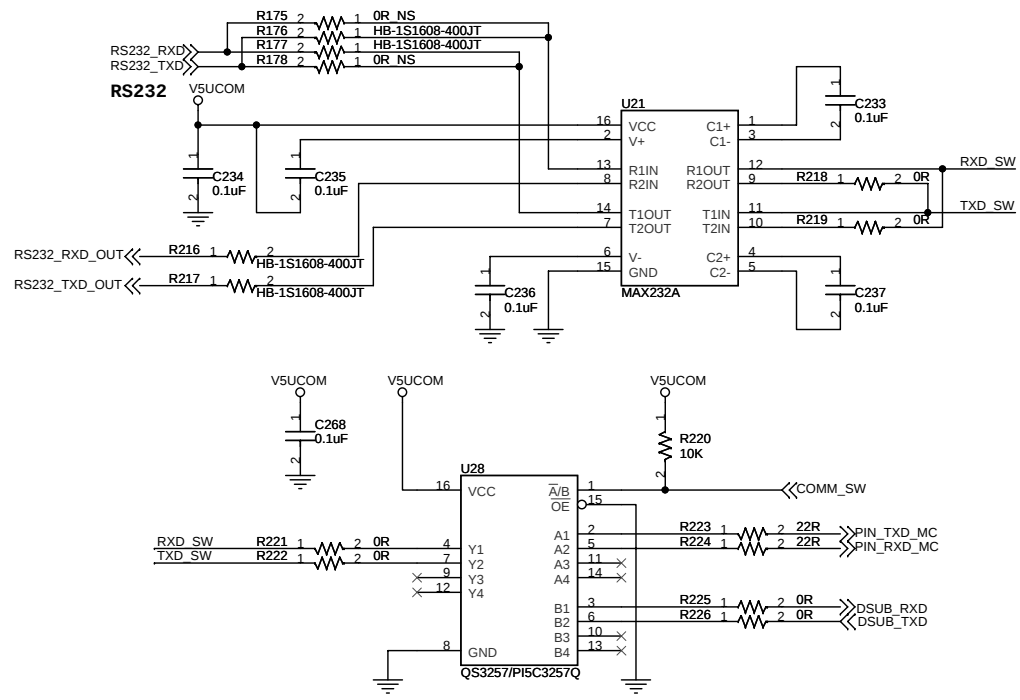
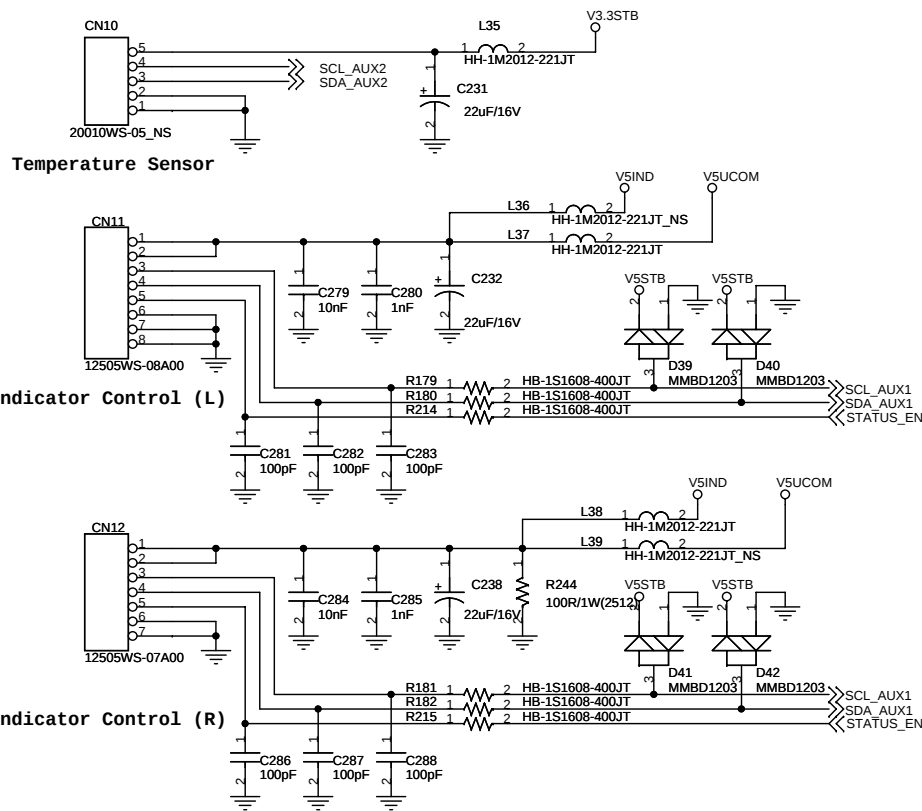
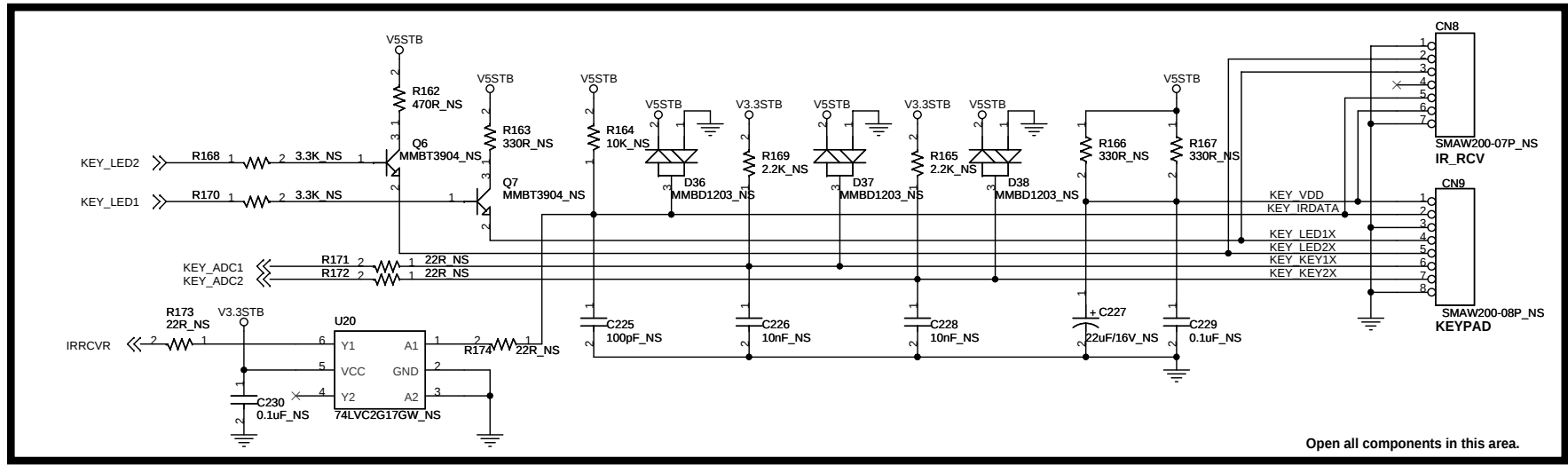
	42"	52", 65"
R255	22R	Open
R207	Open	22R
R254	22R	Open
R161	Open	47R
U31	74LVC2G125	Open



INVERTER

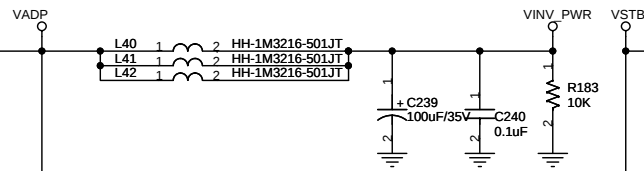


D&T, Inc.		
Title LB506		
Size B	Document Number Scaler Display Port	Rev R03F
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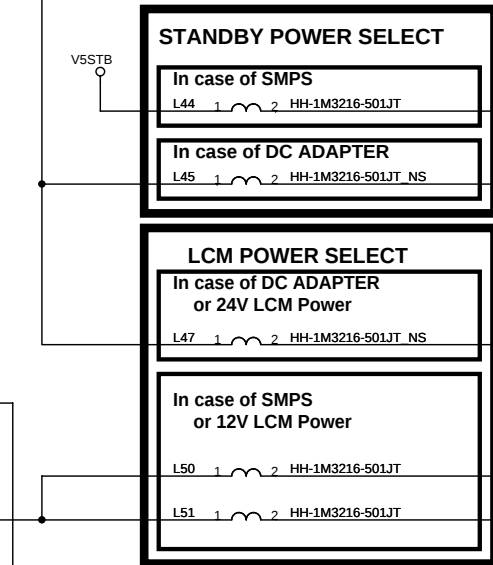
D&T, Inc.		
Title	LB506	
Size	Document Number	Rev
B	Miscellaneous	R03F
Date:	Thursday, August 12, 2010	Sheet 12 of 13

Diagram showing the wiring for CN13. The connector has 6 pins. Pin 1 is connected to a common line. Pin 2 is connected to a common line. Pin 3 is connected to a common line. Pin 4 is connected to a common line. Pin 5 is connected to a common line. Pin 6 is marked with an 'X' and is not connected. The common line is connected to a ground symbol.



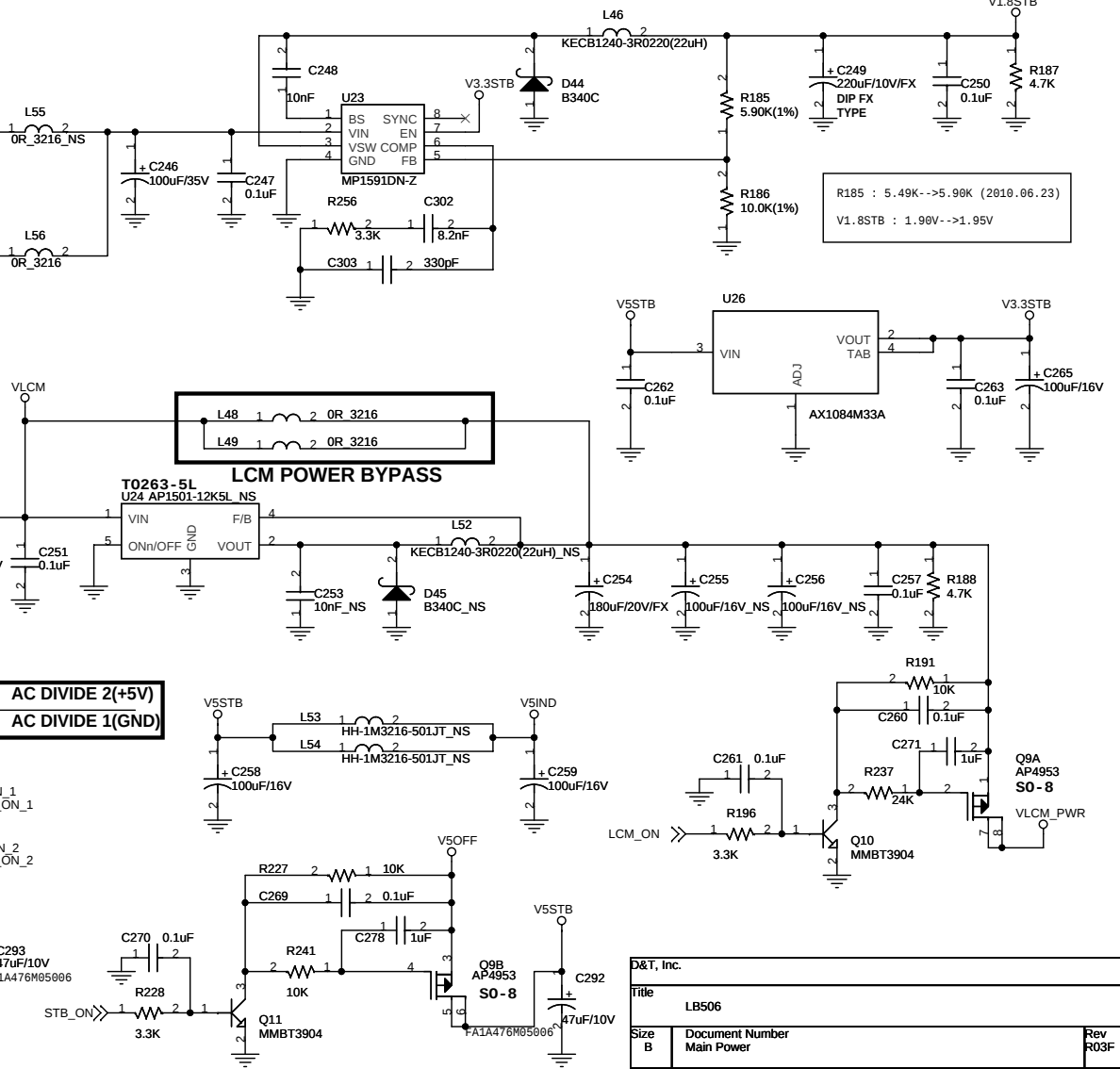
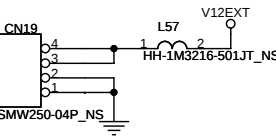
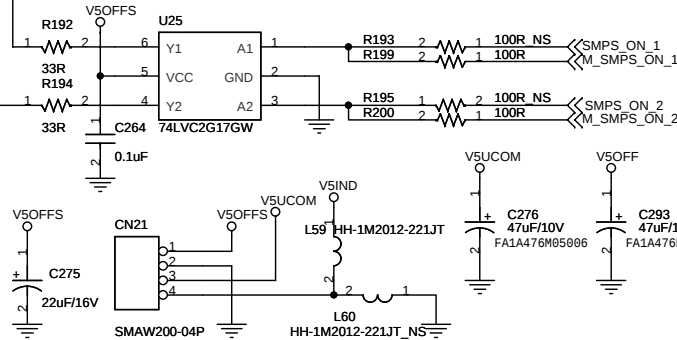
MASTER

SLAVE

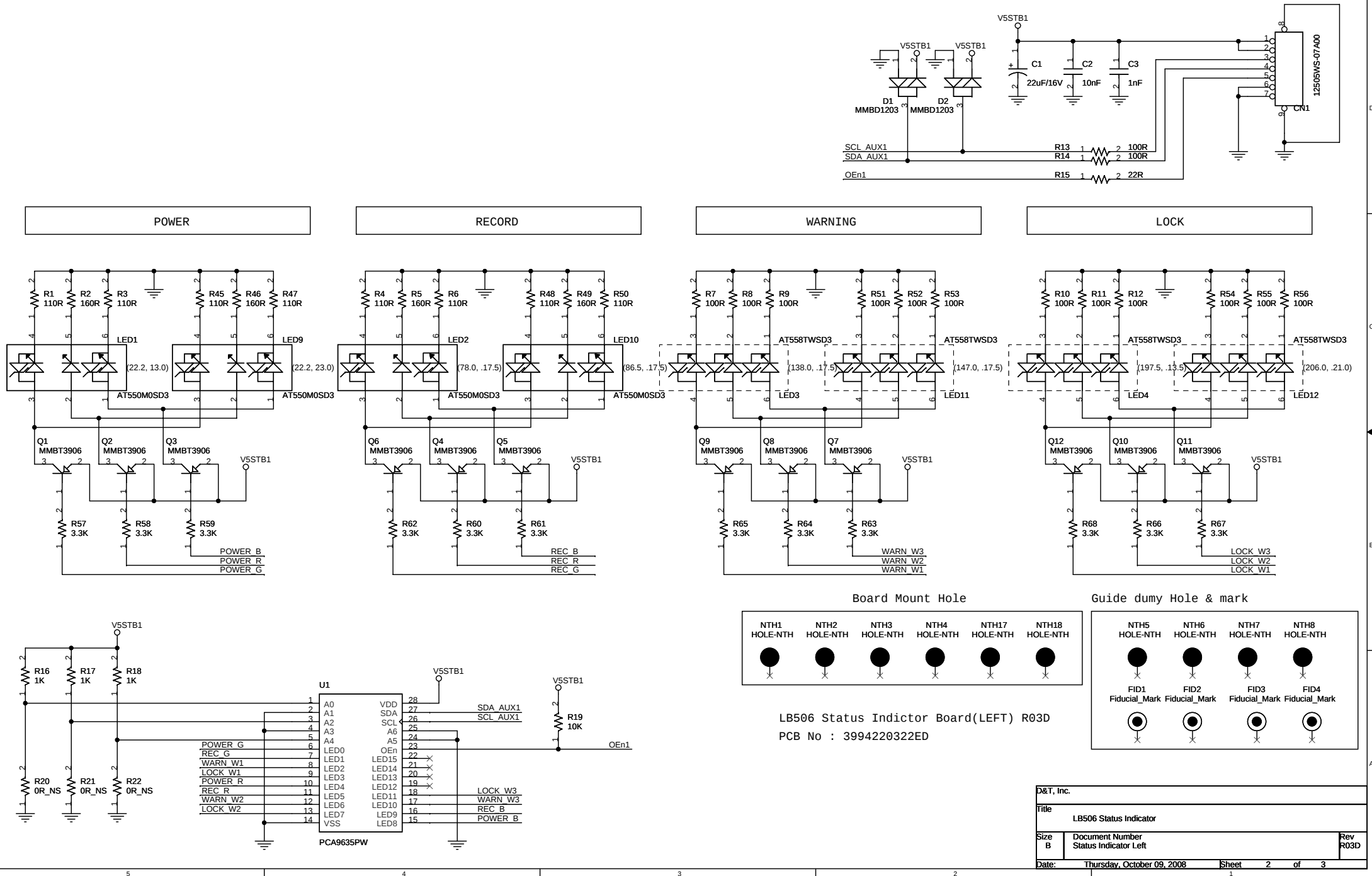


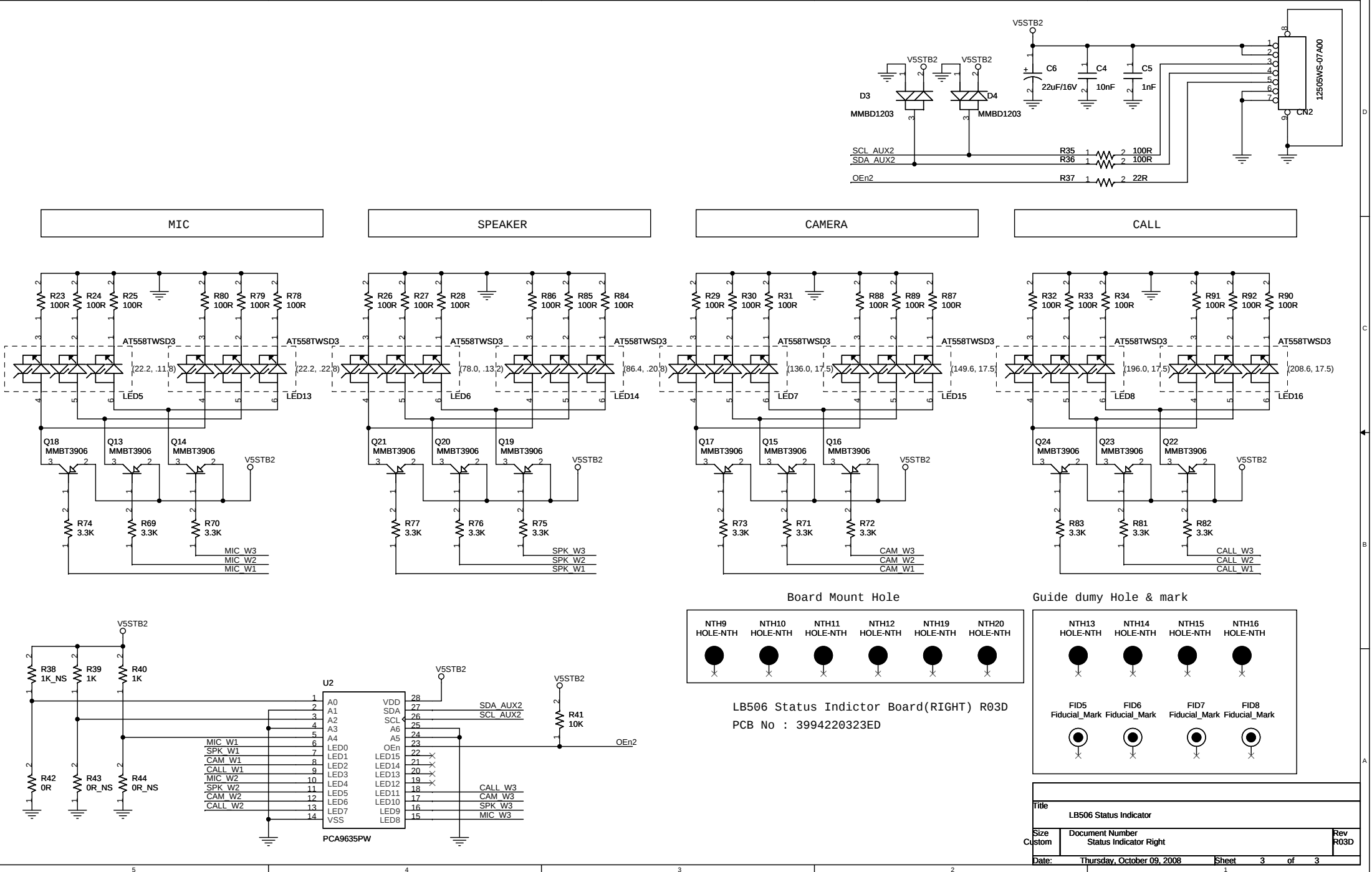
	42"	52", 65"
C270	1K	0.1uF
R228	Open	3.3K
L53, L54	HH-1M3216-501JT	Open
CN14	Open	SMWA200-14P

L59	AC DIVIDE 2(+5V)
L60	AC DIVIDE 1(GND)



REVISION NO : R03D



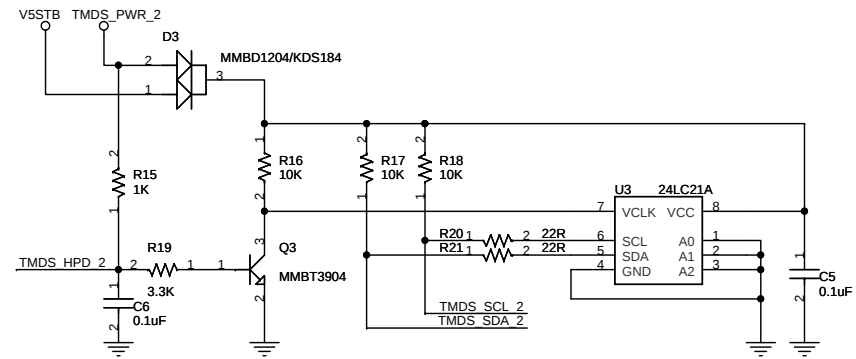
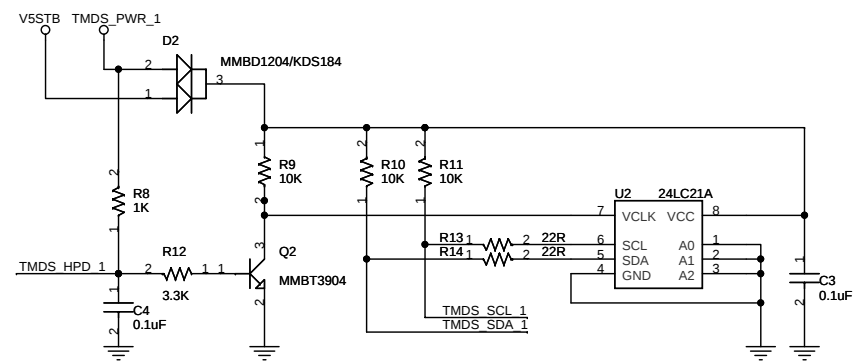
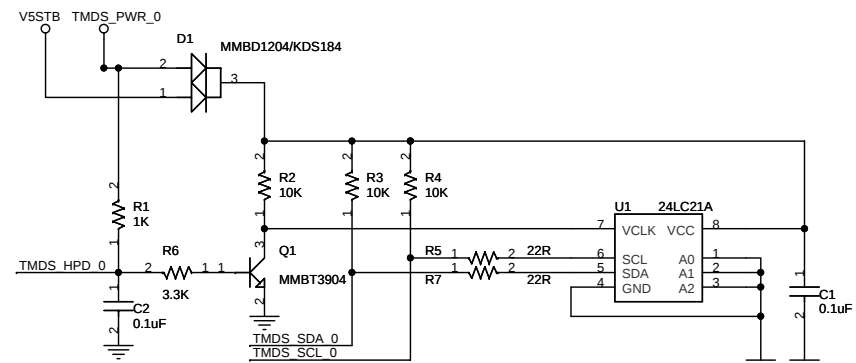
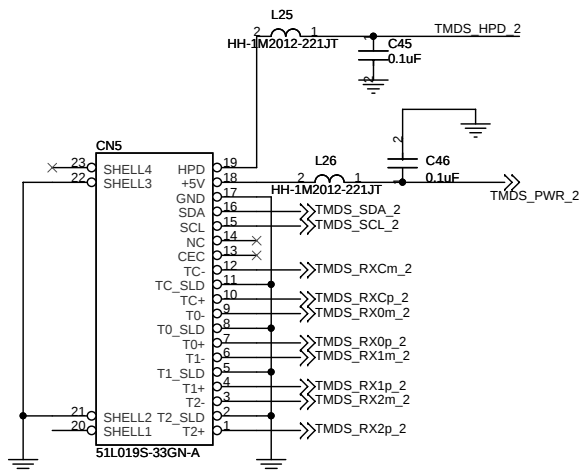
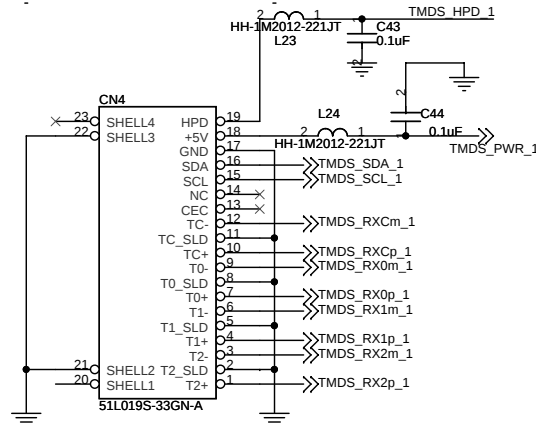
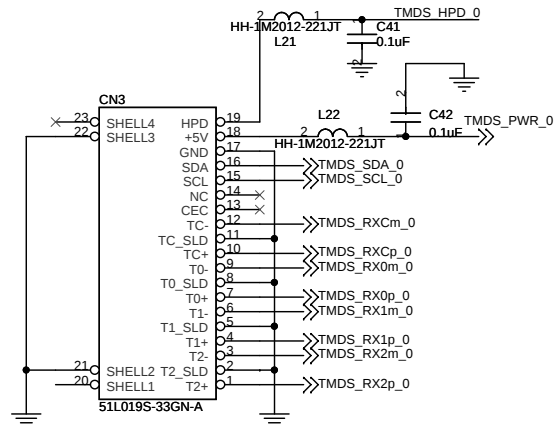
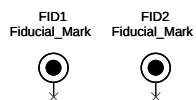
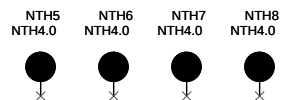
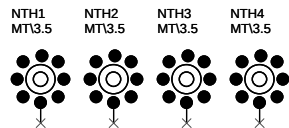
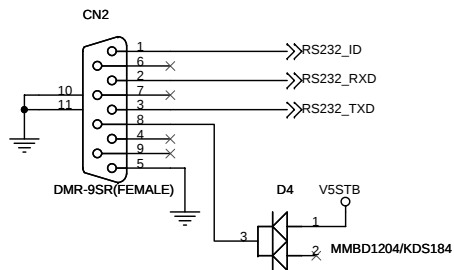
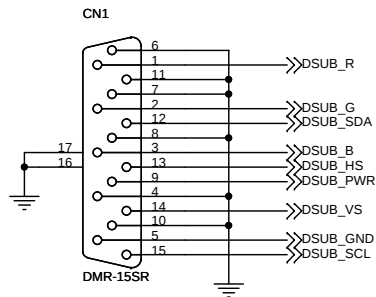


MODEL : LB506 IO Board

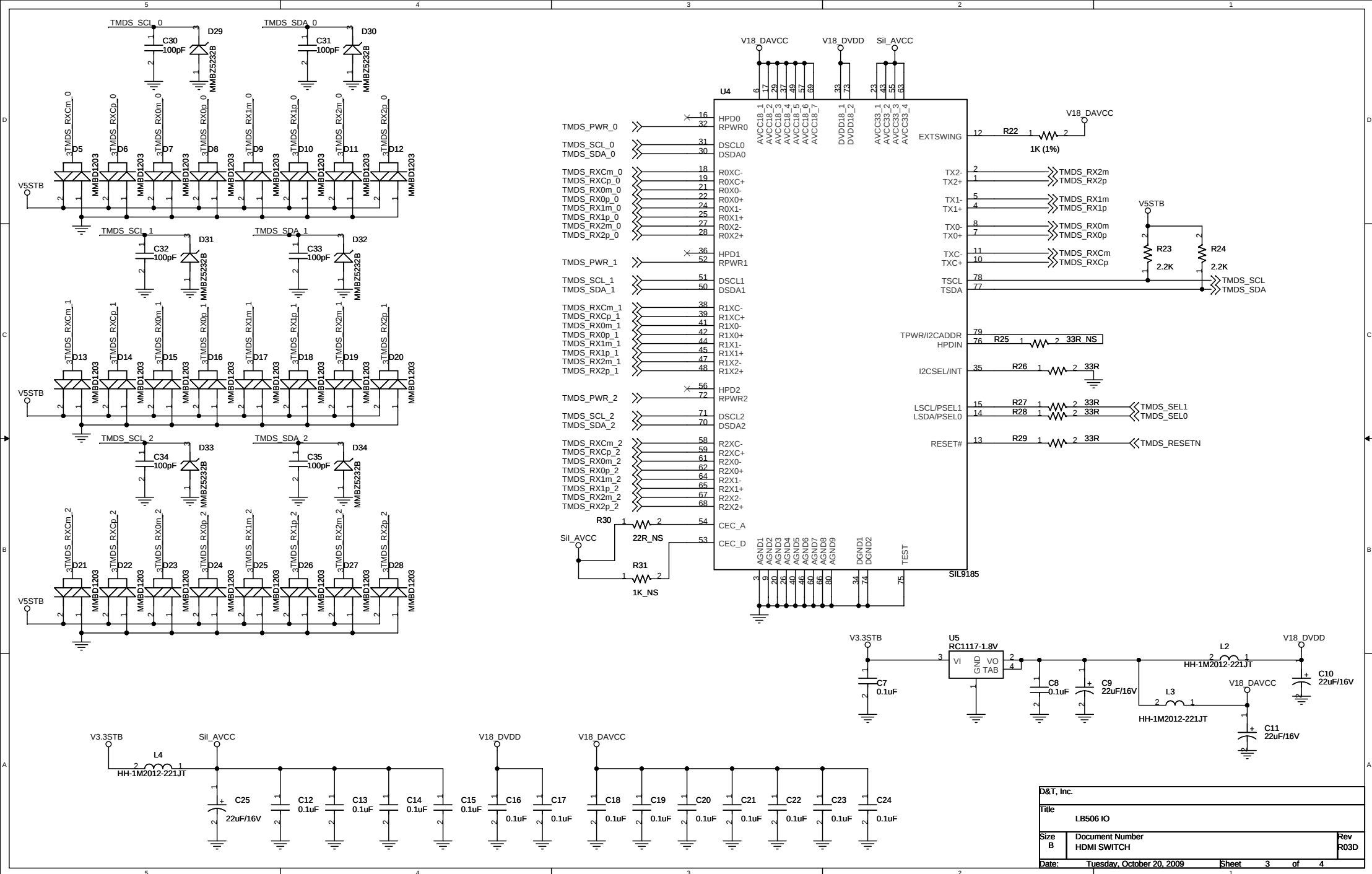
REVISION NO : R03D

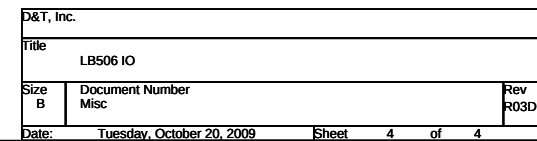
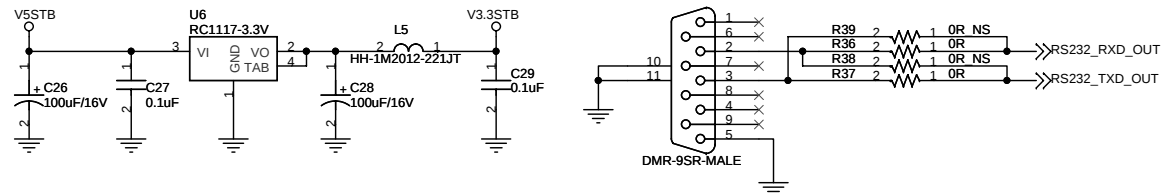
REV	DATE	HISTORY
R01	2007/10/15	1st Edition
R02	2008/02/01	2nd Edition RS232 OUT추가, HDMI1,2,3의 SDA, SCL Line 상호변경등
R03	2008/03/21	3rd Edition Center speaker pin순서 변경, L1 bead삭제 HDMI Jack쪽 ESD대책 추가
R03A	2008/05/26	4th Edition Change Left & Center speaker Connector
R03C	2008/12/09	GROUND VIA 보강 5V STB 보강 09.04.15 수정사항 : R22 (499R->1K) 변경 - HDMI 반짝이노이즈 개선
R03D	2009/06/12	Change EDID protection circuit

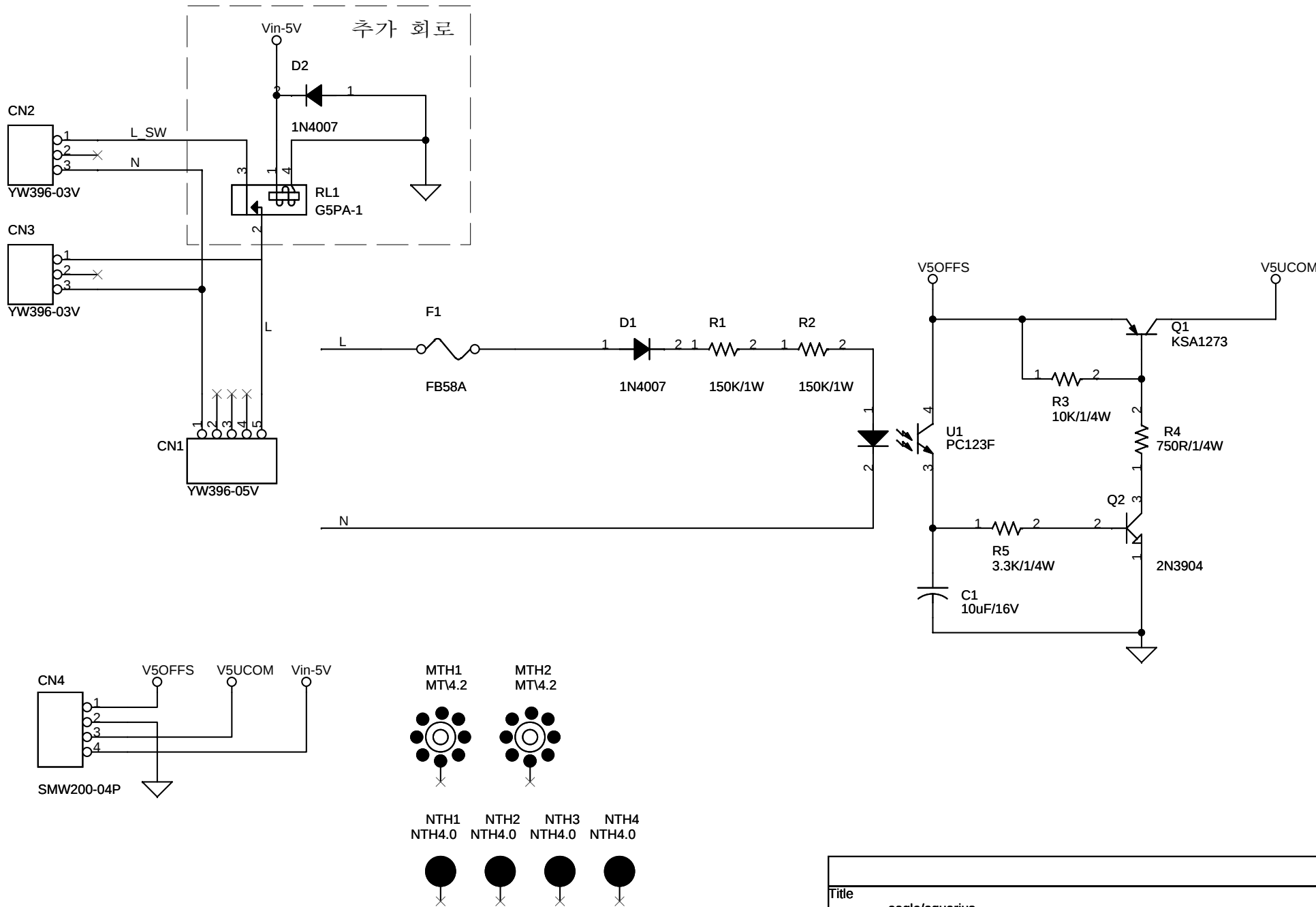
APPROVAL		
DESIGNER	PROJECT MANAGER	R&D DIRECTOR



D&T, Inc.		
Title		
LB506 IO		
Size	Document Number	Rev
B	VIDEO INPUT	R03D
Date:	Tuesday, October 20, 2009	Sheet 2 of 4







Title		
eagle/aquarius		
Size A	Document Number AC Device2 Board	Rev R01
Date:	Wednesday, July 21, 2010	Sheet 1 of 1