

MANUAL DE SERVIÇO

TELEVISORES LCD

MODELOS : TV LED 32L2400 / 40L2400 / 48L2400 / DL3245i / L4045i / DL4845i

ESPECIFICAÇÕES

Tensão de rede:	-----	110 - 220V ~ (60 Hz) automático.
Potência nominal:	-----	32L2400 / DL3245i ----- 44 W 40L2400 / DL4045i ----- 68 W 48L2400 / DL4845i ----- 93 W
Consumo Stand by:	-----	(Todos os modelos):----- < 1 W
Potência de áudio:	-----	(Todos os modelos):----- 8 W + 8 W (RMS) / 8 ohm
Resolução:	-----	32L2400 / DL3245i ----- HD (1366X768) 80cm Diagonal visual 40L2400 / DL4045i ----- FHD (1920X1080) 101cm Diagonal visual 48L2400 / DL4845i ----- FHD (1920X1080) 121cm Diagonal visual
Contraste:	-----	32L2400 / DL3245i ----- 5.000 x 1 40L2400 / DL4045i ----- 4.000 x 1 48L2400 / DL4845i ----- 4.000 x 1
Brilho:	-----	(Todos os modelos):----- 280 cd/m ²
Tempo de Resposta:		32L2400 / DL3245i ----- 20,0 ms 40L2400 / DL4045i ----- 8,0 ms 48L2400 / DL4845i ----- 8,0 ms
Peso:	-----	32L2400 / DL3245i ----- 6,2 Kg (com pedestal) 40L2400 / DL4045i ----- 10,2 Kg (com pedestal) 48L2400 / DL4845i ----- 17,1 Kg (com pedestal)
Dimensões (L x A x P):	----	32L2400 / DL3245i (Sem pedestal):----- 734x494x180 (734x443x90) 40L2400 / DL4045i (Sem pedestal):----- 923x600x220 (923x549x90) 48L2400 / DL4845i (Sem pedestal):----- 1100x705x275 (1100x652x90)
Controle Remoto:	-----	(Modelos Toshiba):----- CT-6710 (Modelos SEM P):----- CT-6700
Condições de funcionamento:	----	Temperatura: 0 ~ 35°C Umidade: 20 ~ 80% sem condensação.
Sintonizador Analógico		
Impedância de entrada de antena:	-----	75 ohm-tipo desbalanceada para VHF/UHF/CABO
Sistema de sintonia:	-----	F.S. (Frequency synthesizer)-PLL
Sistema de televisão:	-----	Padrão M-525 linhas
Canais de recepção:	-----	<u>Faixa I-Canais 2 a B</u> ----- OFF AIR-55,25 MHz a 83,25 MHz-VHF 2 a 6 ----- CABO-73,25 MHz a 127,25 MHz <u>Faixa II-Canais C a LL</u> ----- OFF AIR-175,25 MHz a 211,25 MHz-VHF 7 a 13 ----- CABO-133,25 MHz a 367,25 MHz <u>Faixa III-Canais MM a 69</u> ----- OFF AIR-471,25 MHz a 801,25 MHz-UHF 14 a 69 ----- CABO-373,25 MHz a 463,25 MHz
Freqüências intermediárias:	-----	Portadora de vídeo ----- 45,75 MHz Portadora de som ----- 41,25 MHz/ 4,5 MHz Portadora de croma ----- 42,17 MHz
Freqüências subportadoras de croma:	-----	3,575611 MHz ---- (PALM) 3,582056 MHz ---- (PALN) 3,579545 MHz ---- (NTSC)
Sintonizador Digital		
Impedância de entrada de antena:	-----	75 ohm-tipo desbalanceada para UHF.
Freqüência de entrada:	-----	54~ 864 MHz
Modo COFDM:	-----	2K
Constelação:	-----	QPSK, DQPSK, 16QAM, 64QAM
Taxa interna do código:	-----	1/2, 2/3, 3/4, 5/6, 7/8
Intervalo de guarda:	-----	1/4, 1/8, 1/1, 1/32
Sensibilidade:	-----	-76dBm @ 8K, 64QAM, 7/8, 1/8
a) canal analógico adjacente:	-----	N1 max -33dB / N+1 -35dB máximo
b) canal digital adjacente:	-----	N-1 max -26dB / N+1-29dB máximo
c) análoga do co-canal:	-----	máximo do dB 18
Dígito de canais:	-----	24 dB máximo

INDÍCE

Especificações:	Capa
Informações / Instruções de Ajuste :	3
Modo Hotel (instruções de ajuste) :	5
Diagrama de Blocos Sinais : 32/40 :	7
Diagrama de Blocos Tensões : 32/40 :	8
Diagrama de Blocos Sinais : 48L2400/DL4845i :	9
Formas de Ondas (Todos Modelos) :	10
Esquema Elétrico PCI Principal 32/40 :	14
Esquema Elétrico PCI Fonte 32/40 :	40
Esquema Elétrico PCI Principal 48L2400/DL4845i :	42
Esquema Elétrico PCI Fonte 48L2400/DL4845i :	67
Esquema Elétrico Teclas 48L2400/DL4845i :	71
Esquema Elétrico Controle Remoto (Todos Modelos) :	72
Trouble Shooting Fluxograma (Todos Modelos) :	73
Localização dos Componentes Coordenadas X - Y Placa Principal 32/40 :	77
Localização dos Componentes Coordenadas X - Y Placa Principal 48L2400/DL4845i :	81
Vista Explodida 32L2400 / DL3245i (Diferença no Pedestal) :	85
Vista Explodida 40L2400 / DL4045i (Diferença no Pedestal) :	86
Vista Explodida 48L2400/DL4845i (Diferença no Pedestal):	87

CHECAGEM

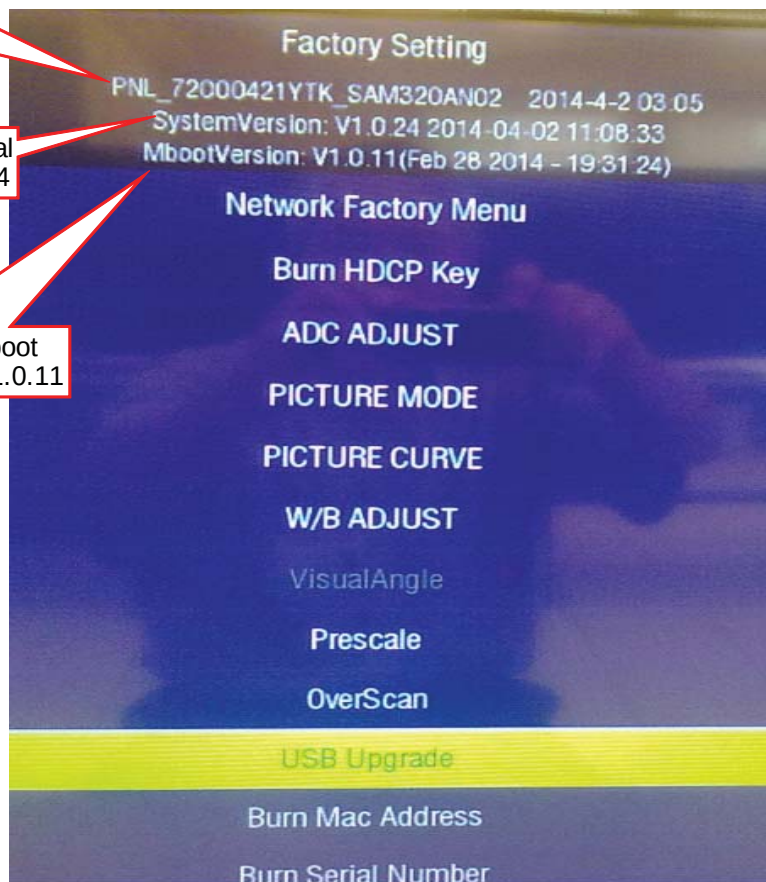
VERIFICAÇÃO DA VERSÃO DO SOFTWARE (Menu de Serviço).

Usando o Controle Remoto no Menu Imagem, digite "2008". Esta opção abre o Menu de Fábrica do aparelho.

Código do painel usado.
No exemplo:
SAM32OANO2

Versão do software Principal
No exemplo: versão V1.0.24

Versão do software Mboot
No exemplo: versão V1.0.11



INFORMAÇÕES UTEIS

DESBLOQUEIO DO APARELHO

Caso o cliente esquecer o código de bloqueio das entradas / classificação indicativa, entre com o código "1980" para desbloquear

TECLAS DE OPERAÇÃO DO MENU DE SERVIÇO

Utilize a tecla "Enter" para acessar os menus de serviço, pressione "Menu" para voltar 1 menu anterior e utilize as teclas $\wedge$ V, < e > para selecionar ou ajustar

ATUALIZAÇÃO DE SOFTWARE PRINCIPAL

GRAVAÇÃO DO SOFTWARE PRINCIPAL (Via USB).

Deverá ser gravado o software "KKMTUpgrade" a ser instalado na raiz (Não colocá - lo em pastas ou subpastas) de um dispositivo USB.

Conectar o dispositivo em uma das portas USB.

Pode-se utilizar o Menu do usuário para atualizá - lo:

Abrir o Menu e selecione " Configuração " e no submenu escolha a opção " Atualização de software ", selecione "USB" e confirme a opção "Sim".

Pode-se utilizar o Menu de fábrica para atualizá - lo:

No Menu digitar "2008" para abrir o Menu de Fábrica e selecionar a opção " USB Upgrade " e selecione a opção Software Upgrade

Pode -se fazer a atualização da seguinte forma:

- Com o TV em stand by e o pen drive conectado, pressione e mantenha pressionado a tecla POWER das teclas do aparelho de TV até que apareça uma tela azul com a barra de porcentagem de atualização do SW.

Em todas as atualizações, é necessário esperar a atualização completa do software.

Após a atualização deve-se fazer o "Factory Reset" e após isso desligar e ligar o TV da energia elétrica.

ATUALIZAÇÃO DE SOFTWARE MBOOT

GRAVAÇÃO DO SOFTWARE MBOOT (Via USB).

Deverá ser gravado o software "MBOOT.bin" a ser instalado na raiz (Não colocá - lo em pastas ou subpastas) de um dispositivo USB.

Conectar o dispositivo em uma das portas USB.

Utilizar o Menu de fábrica para atualizá - lo:

No Menu digitar "2008" para abrir o Menu de Fábrica e selecionar a opção " USB Upgrade " e selecione a opção MBoot Upgrade

AJUSTE DO GANHO DE VÍDEO (após a troca do painel LCD ou Atualização de Software)

AJUSTE DE GANHO ADC (OFFSET) DE VÍDEO COMPONENTE

Conecte um sinal de barras coloridas ou escala de cinza na entrada a ser ajustada, Componente (YPbPr)

Selecione a entrada a ser ajustada (Componente) e depois entre no Modo de serviço.

Selecione o menu de ajuste "ADC ADJUST".

No menu "ADC ADJUST", selecione o item "AUTO ADC" e inicie o auto ajuste através das teclas direcionais "<" ou ">".

Obs.: Na entrada Componente (YPbPr) é necessário ajustar em HD (720 ou 1080) e SD (480).

MODO HOTEL

PROCEDIMENTO PARA ACESSO

1. No controle remoto pressionar a tecla MENU.
2. Com as teclas $\wedge$ ou $\vee$ selecione o menu BLOQUEAR e pressione a tecla ENTER.
3. Será solicitado para inserir a senha, entre com a senha 9512.
4. Entrará no Menu BLOQUEIO onde uma das opções será Modo Hotel.
5. Selecionar a opção Modo Hotel e pressionar a tecla ENTER para iniciar os ajustes.

AJUSTES DISPONÍVEIS

O Menu MODO HOTEL consiste da tela abaixo:



DETALHES DAS OPÇÕES DISPONÍVEIS

MODO HOTEL	Opções: Ligar ----> Para habilitar e poder ajustar todas as outras opções do Menu Desligar --> Desabilitar todas as opções de ajuste do menu, com isso o aparelho voltará a operar sem as condições do MODO HOTEL
MAX VOLUME	0 ~ 100 Define o maximo de volume que o usuário poderá chegar. Por exemplo, se definir 30 o usuário poderá aumentar o volume somente até a 30 da barra de volume.
POWER ON MODE	Opções: Standby: Ao desligar e ligar o TV da rede elétrica o mesmo volta em stand by Power On: Ao desligar e ligar o TV da rede elétrica o mesmo volta ligado

DETALHES DAS OPÇÕES DISPONÍVEIS	
LOCK KEY	Opções: Ligar ----> Bloqueia todas as teclas do aparelho de TV. Desligar ----> Teclas do aparelho operam normalmente;
START CHANNEL	Opção para selecionar a fonte de entrada que aparecerá sempre que o TV for ligado. Habilita um sub menu START CHANNEL com as seguintes opções: a) Start Channel: LIGAR (habilitado) e DESLIGAR (desabilitado, última fonte de sinal). b) START SOURCE: Permite selecionar a fonte de entrada: Antena, Cabo, AV, Componente, HDMI1, HDMI2, HDMI3, USB. c) CANAL: Habilitado apenas para a opção antena e cabo, onde é possível selecionar o canal em que o TV deve sempre ligar. Nota : Só é possível selecionar um canal sintonizado previamente e habilitado.
BACKUP DATE BASE UPDATE DATE BASE	Opções que trabalham em conjunto para transferir dados setados em 1 aparelho para outros aparelhos do mesmo modelo. Procedimento para transferência de dados: NO APARELHO REFERENCIA: 1 - Conectar um pen drive de preferência formatado, em uma das entradas USB 2 - Selecionar a Opção BACKUP DATABASE e pressione > para fazer a conexão pen drive --> TV 3 - Nessa linha a imagem CONECTADO aparecerá quando a conexão for finalizada; 4 - O TV desligará e ficará no modo stand by. Quando o desligar é porque os dados já foram copiados para o pen drive e o mesmo poderá ser desconectado da TV. NOS APARELHOS QUE RECEBERÃO A CÓPIA: 1 - Conectar o pen drive com os dados do aparelho referência na entrada USB do televisor; 2 - Seguir todo o procedimento para entrar no modo hotel; 3 - Selecione a opção UPDATE DATABASE para copiar para o TV as informações do pen drive; 4 - O TV desligará e ligará novamente na entrada determinada no modo hotel.
	Notas: - Nos aparelhos que receberão os dados do aparelho referência, não deve ser selecionado a opção BACKUP DATABASE. Se essa opção for selecionada os dados serão substituídos pelos dados dessa TV. - Além de todas as opções do modo hotel também será copiado a LISTA DE CANAIS
Ajustes que ficarão desabilitados para os usuários.	
	- Todos do Menu "Imagem". - Todos do Menu "Som" - Todos do Menu "Função"

DIAGRAMA DE BLOCO DE SINAIS

Diagrama em Blocos 32/40

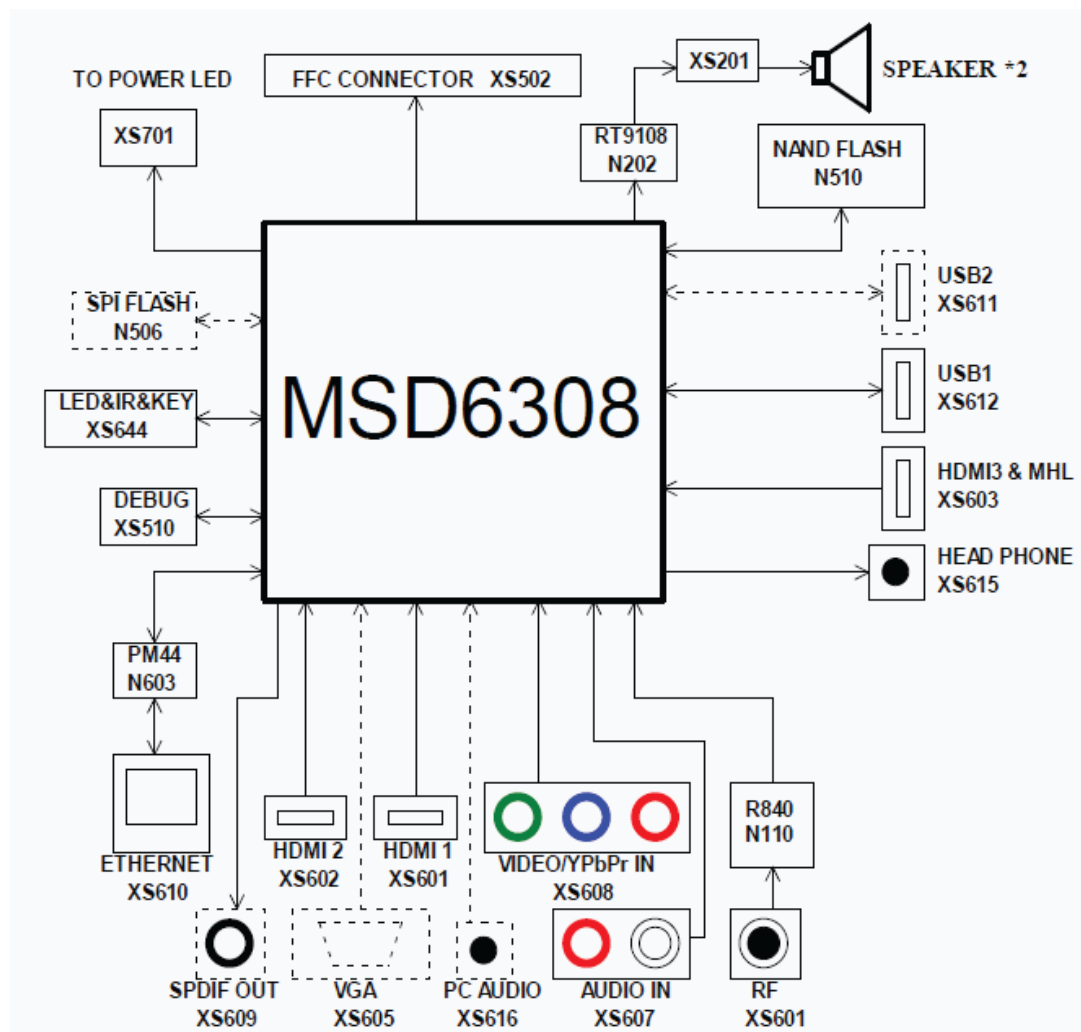


DIAGRAMA DISTRIBUIÇÃO DE TENSÕES E CORRENTES

Tensões 32/40

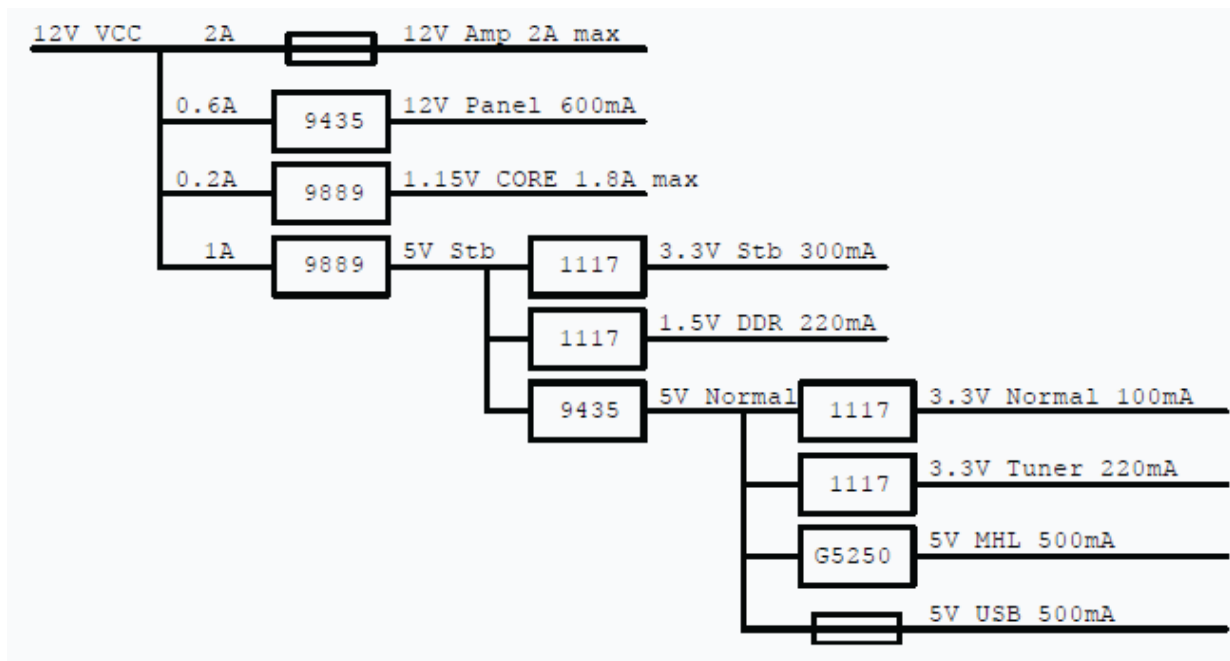
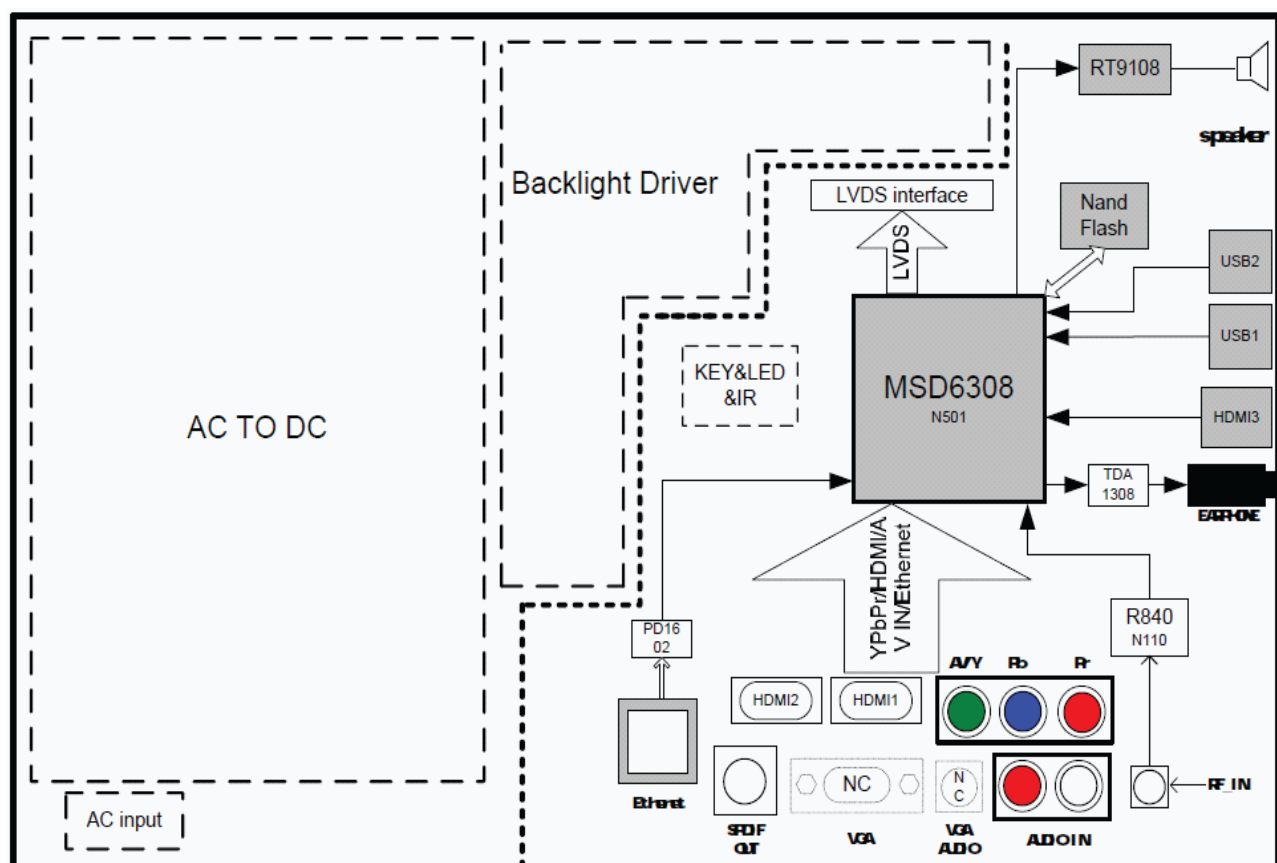


DIAGRAMA DE BLOCO DE SINAIS

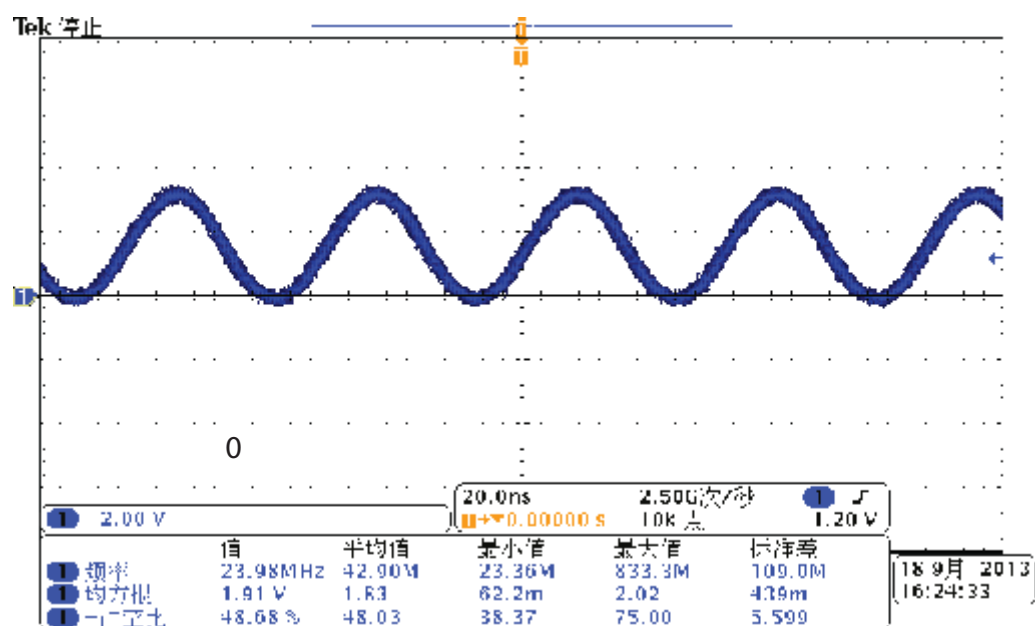
Diagrama em Blocos 48L2400/DL4845i



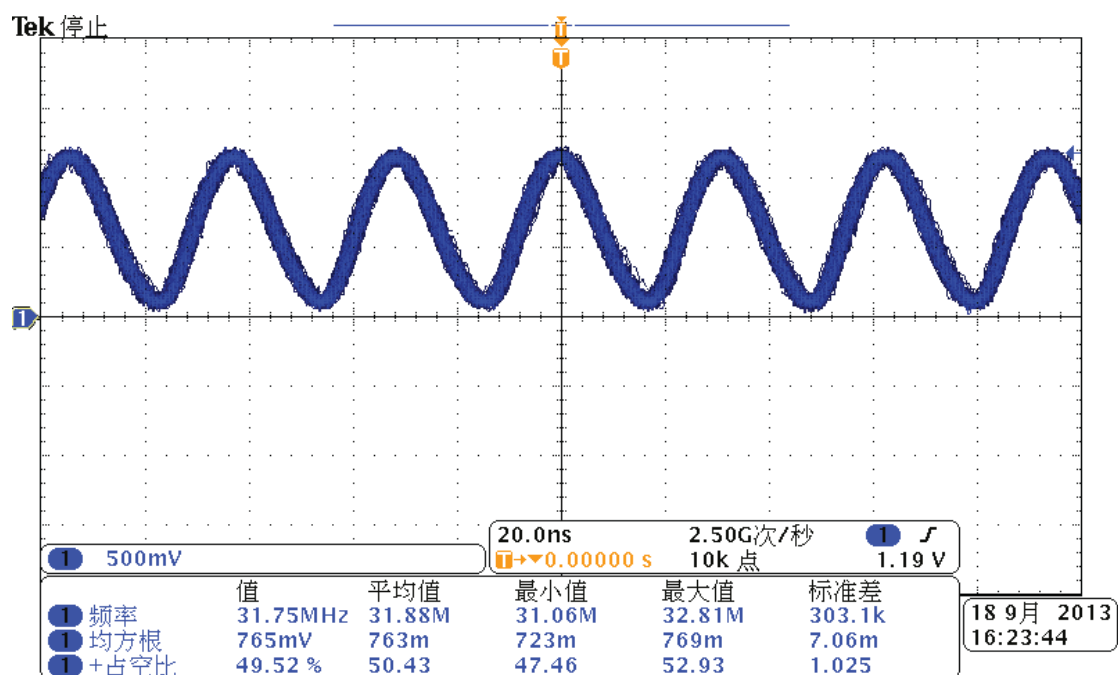
FORMAS DE ONDAS

(Todos Modelos)

1) Crystal Clock Z501



2) Crystal Clock Z110

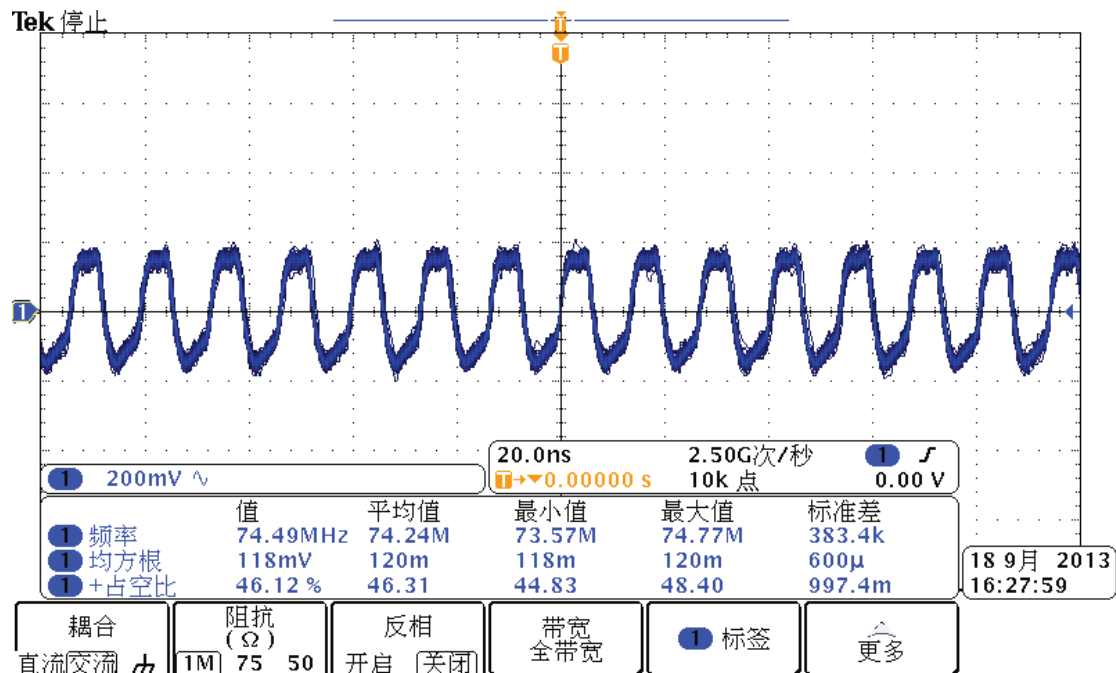


FORMAS DE ONDAS

(Todos Modelos)

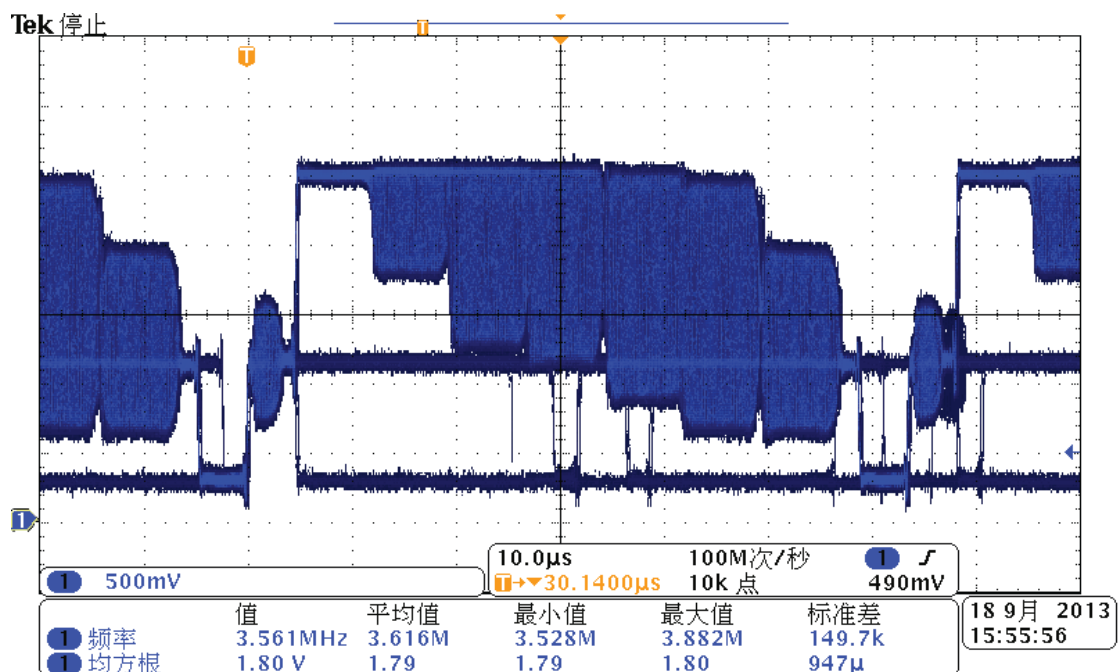
3) LVDS CLOCK & DATA

Tek 停止



2) VIDEO OUT (Color Bar)

Tek 停止

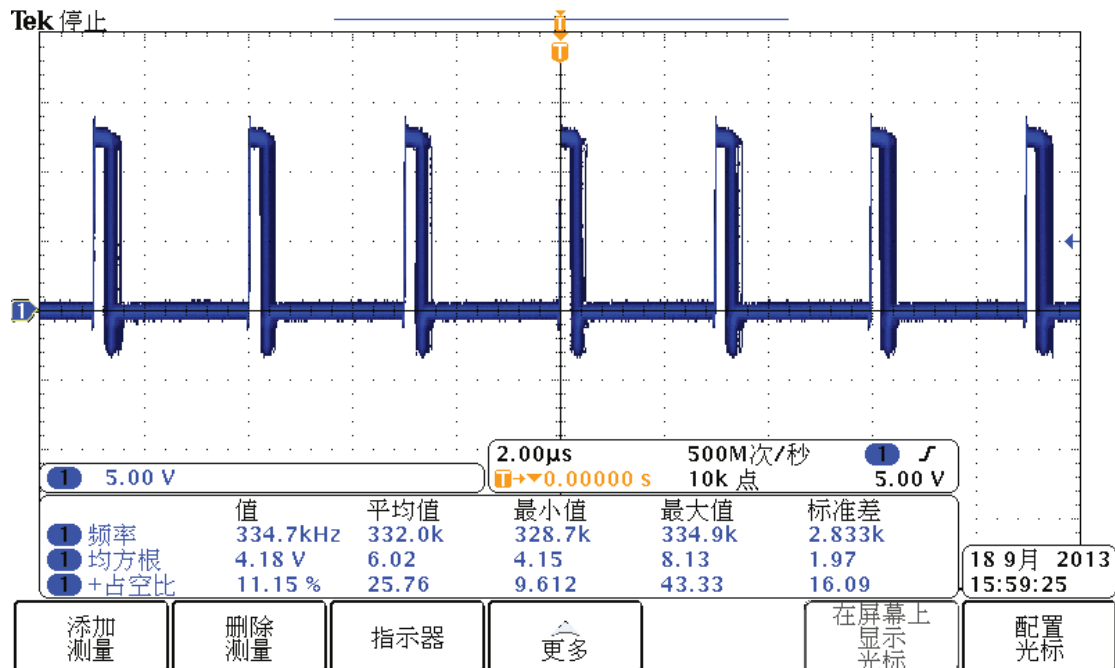


FORMAS DE ONDAS

(Todos Modelos)

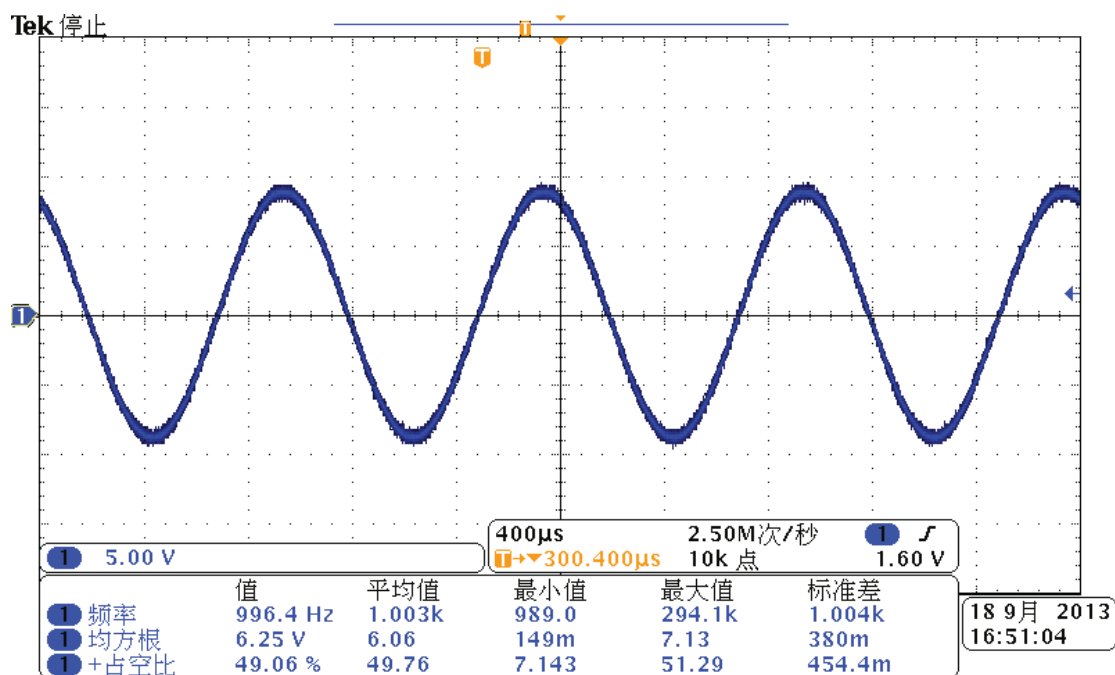
5) N801 (Switch signal of DC-DC)

Tek 停止



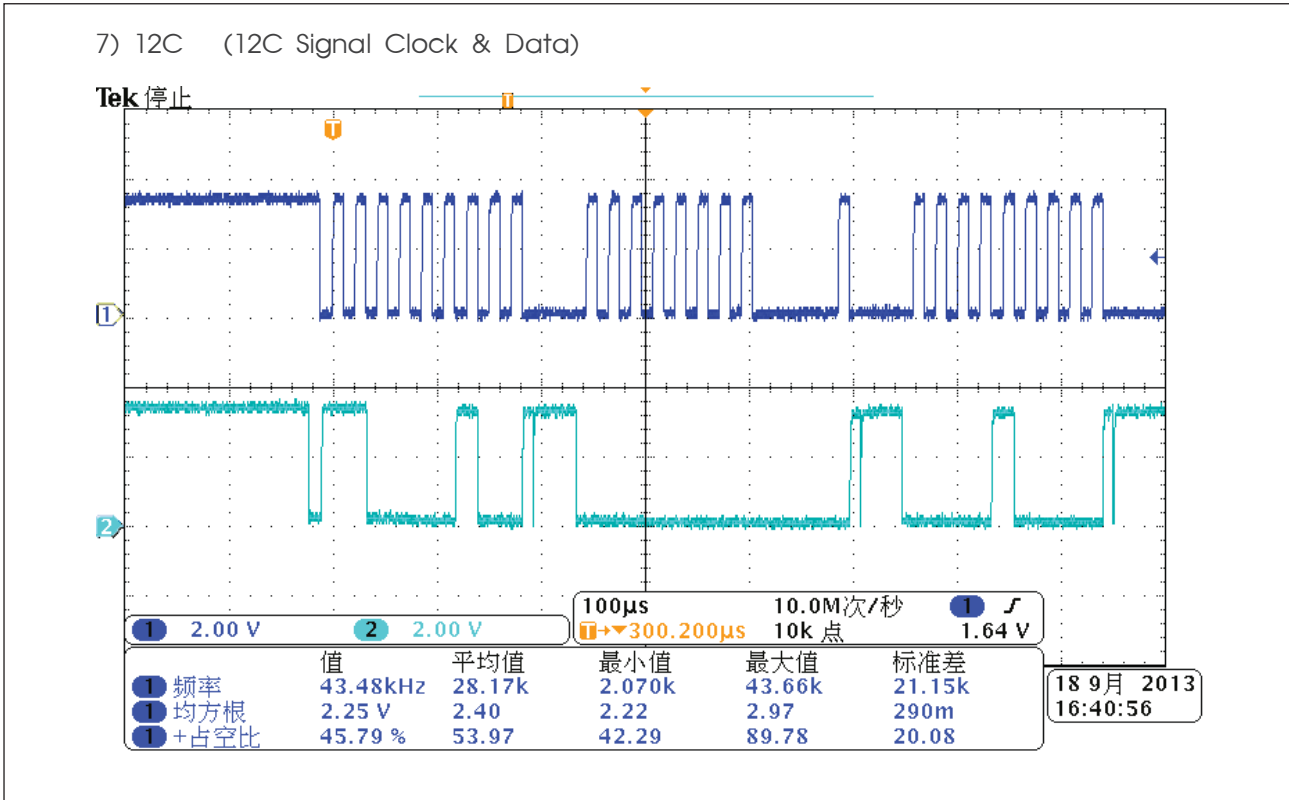
6) N801 (Amplifier Output)

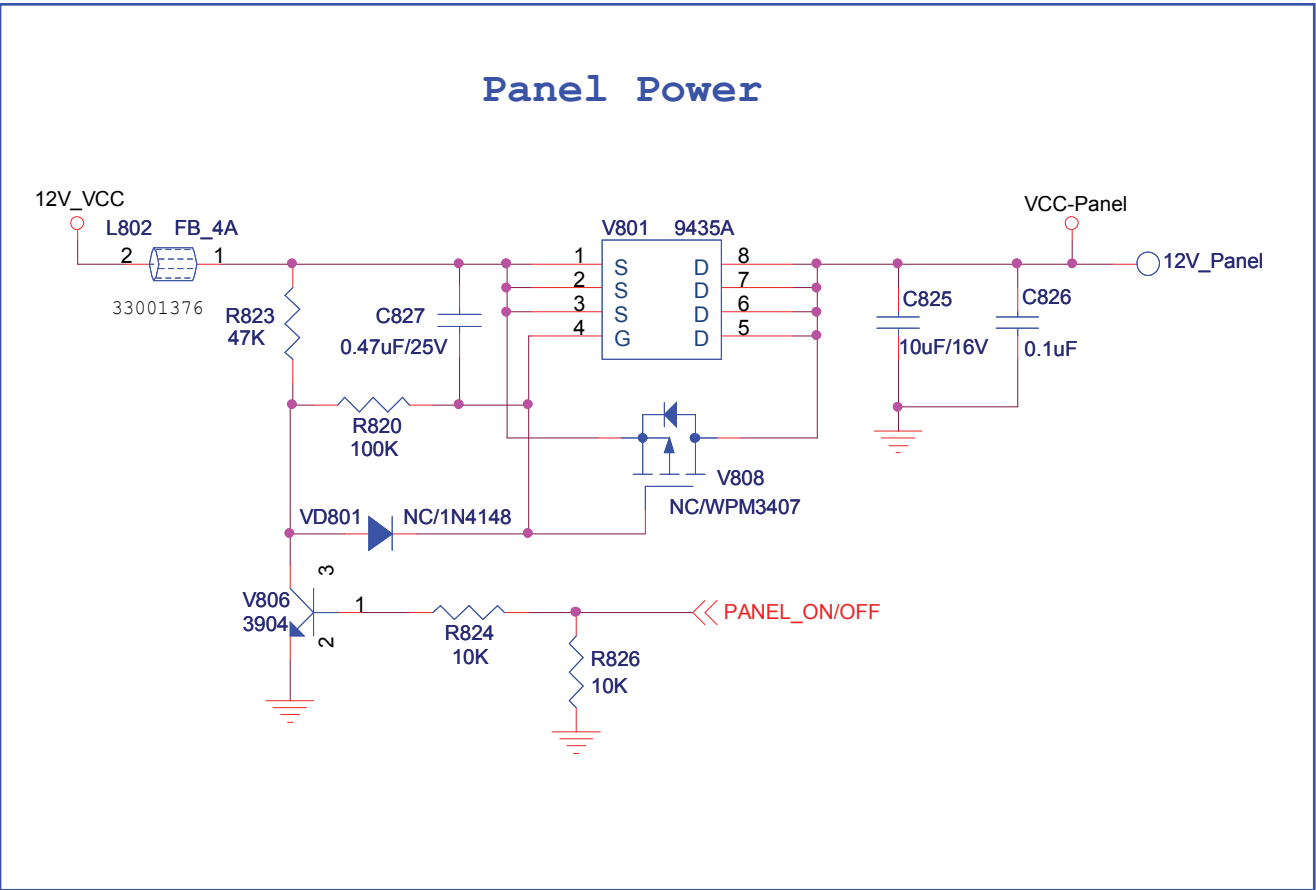
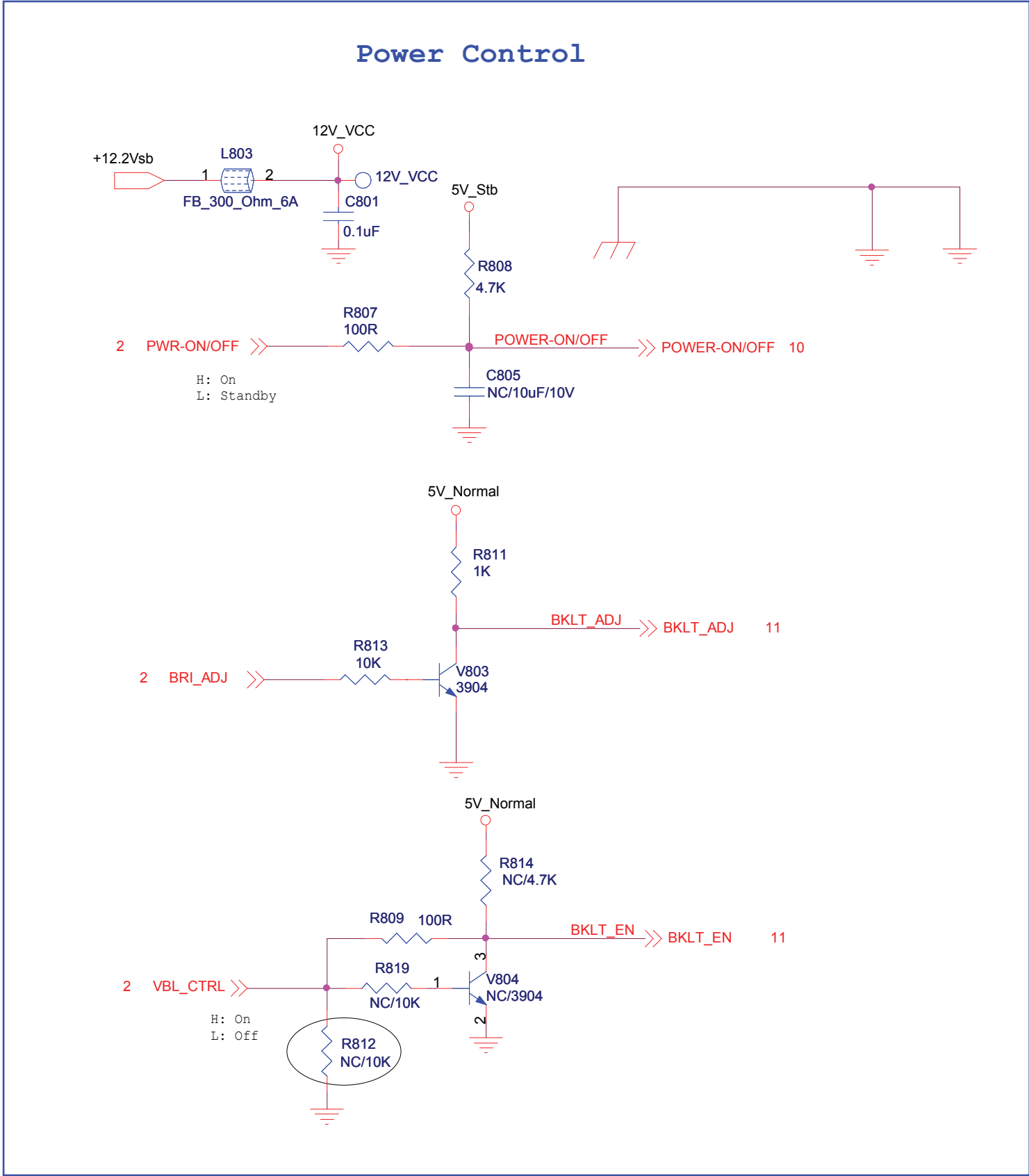
Tek 停止

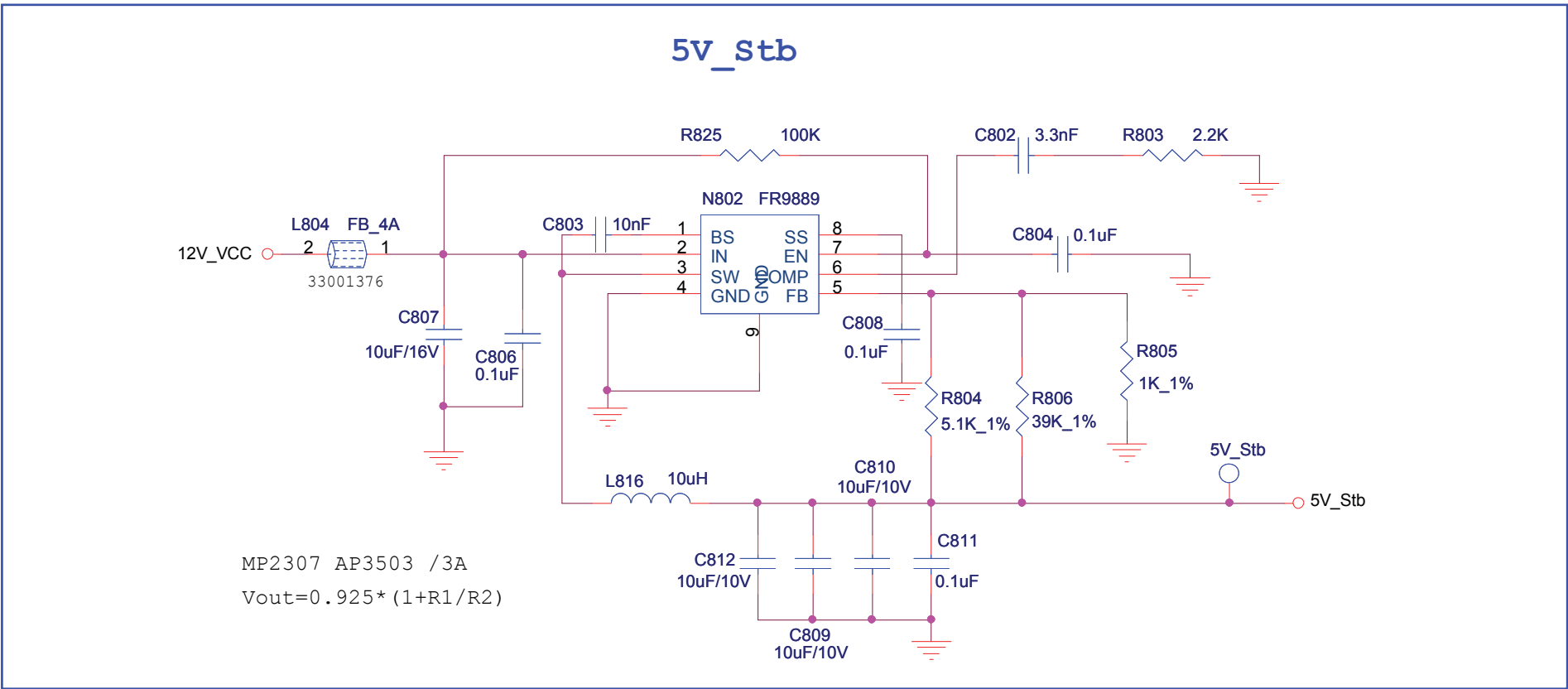
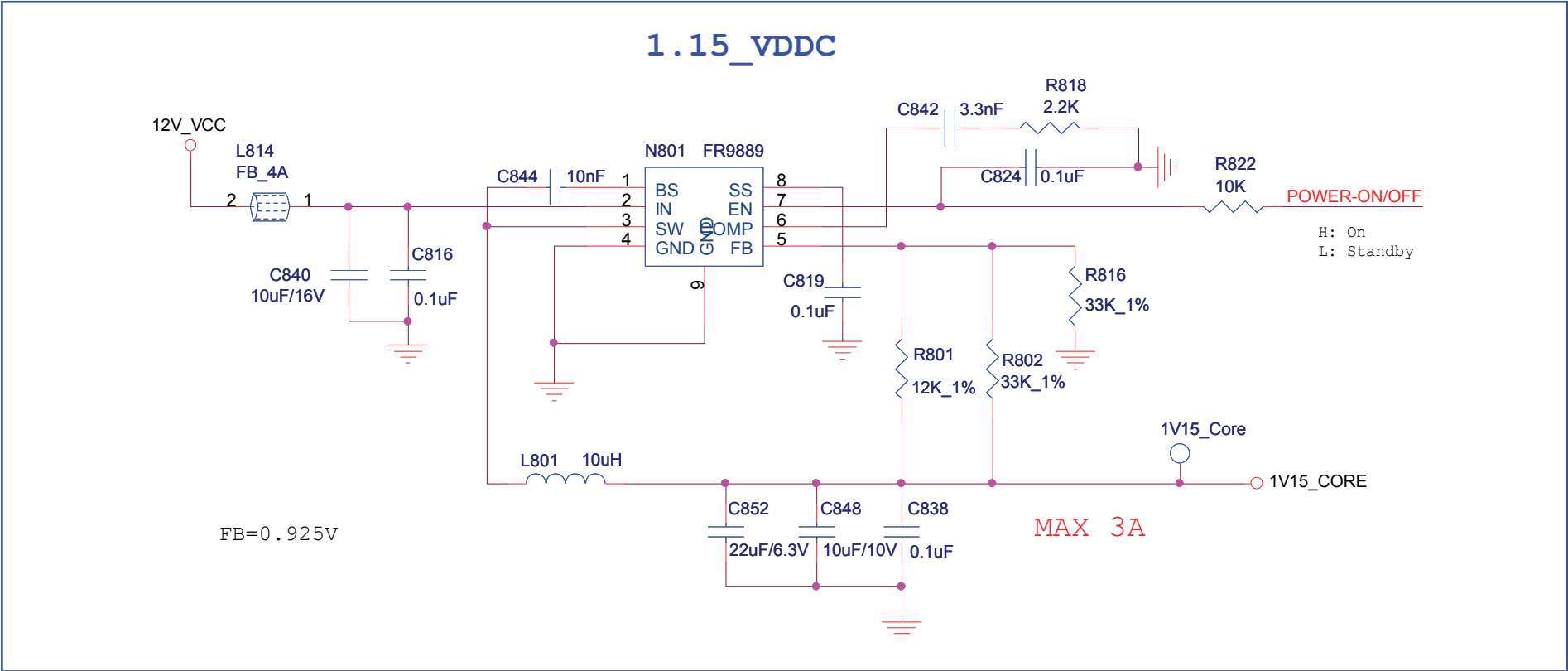


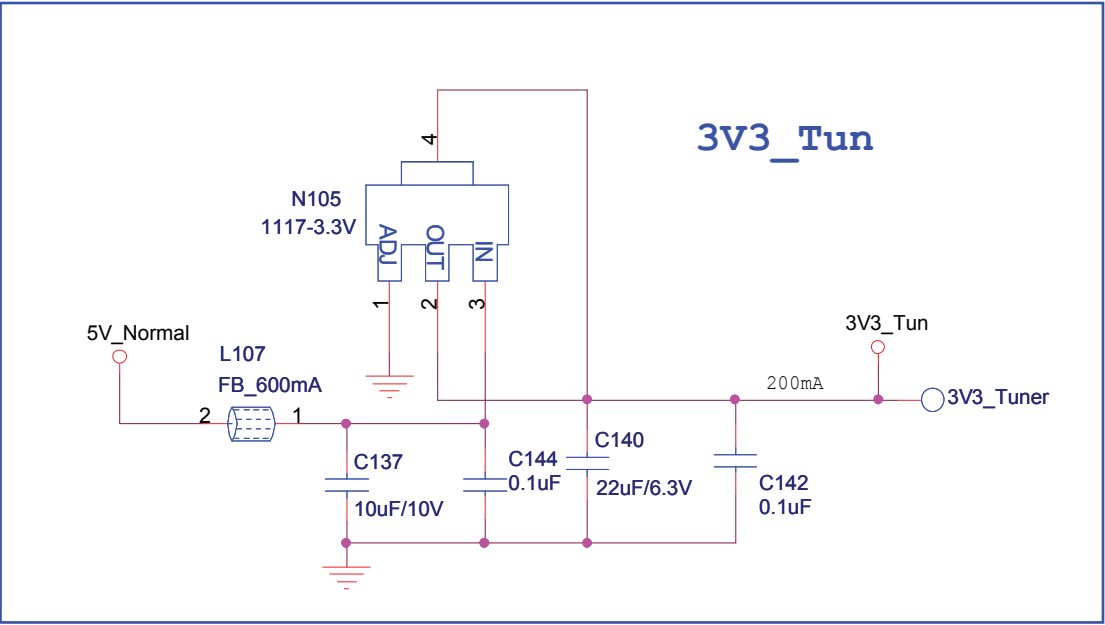
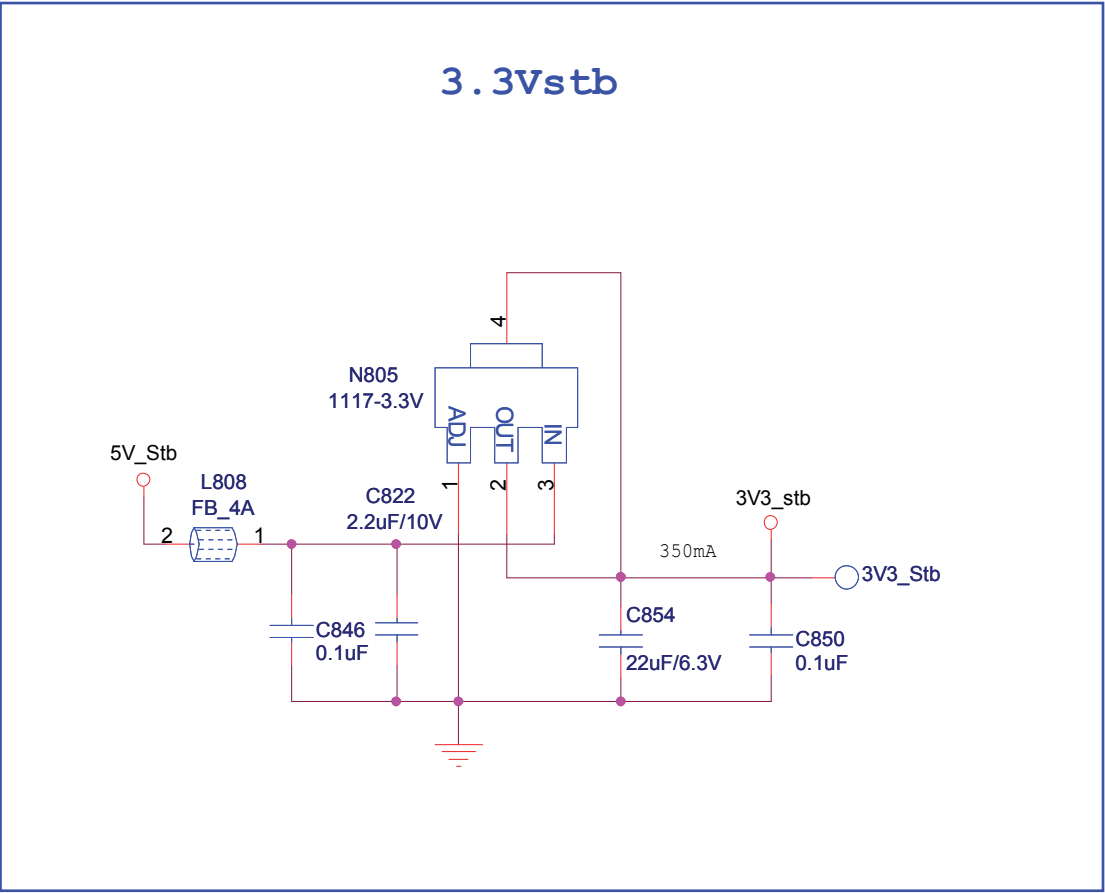
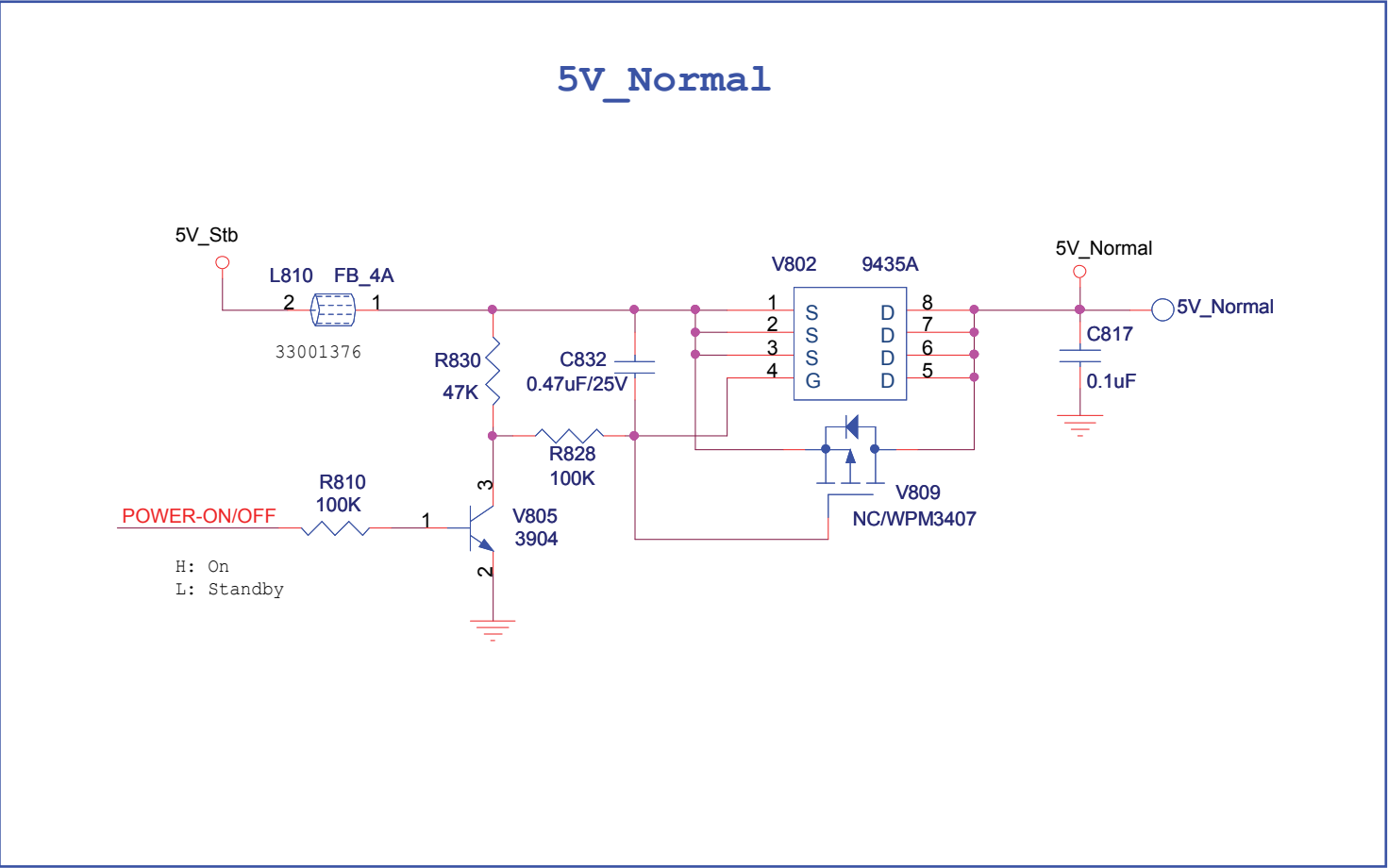
FORMAS DE ONDAS

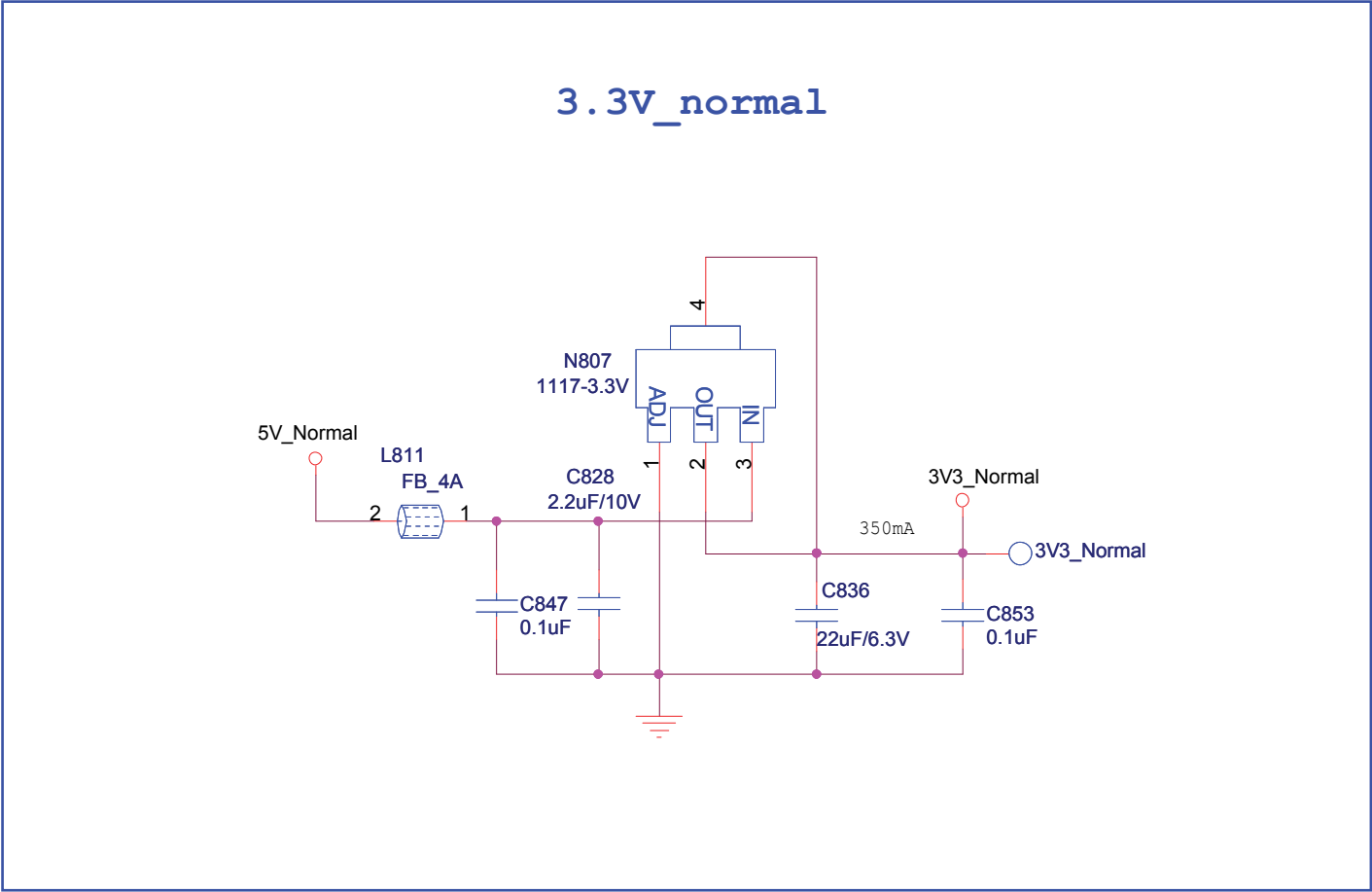
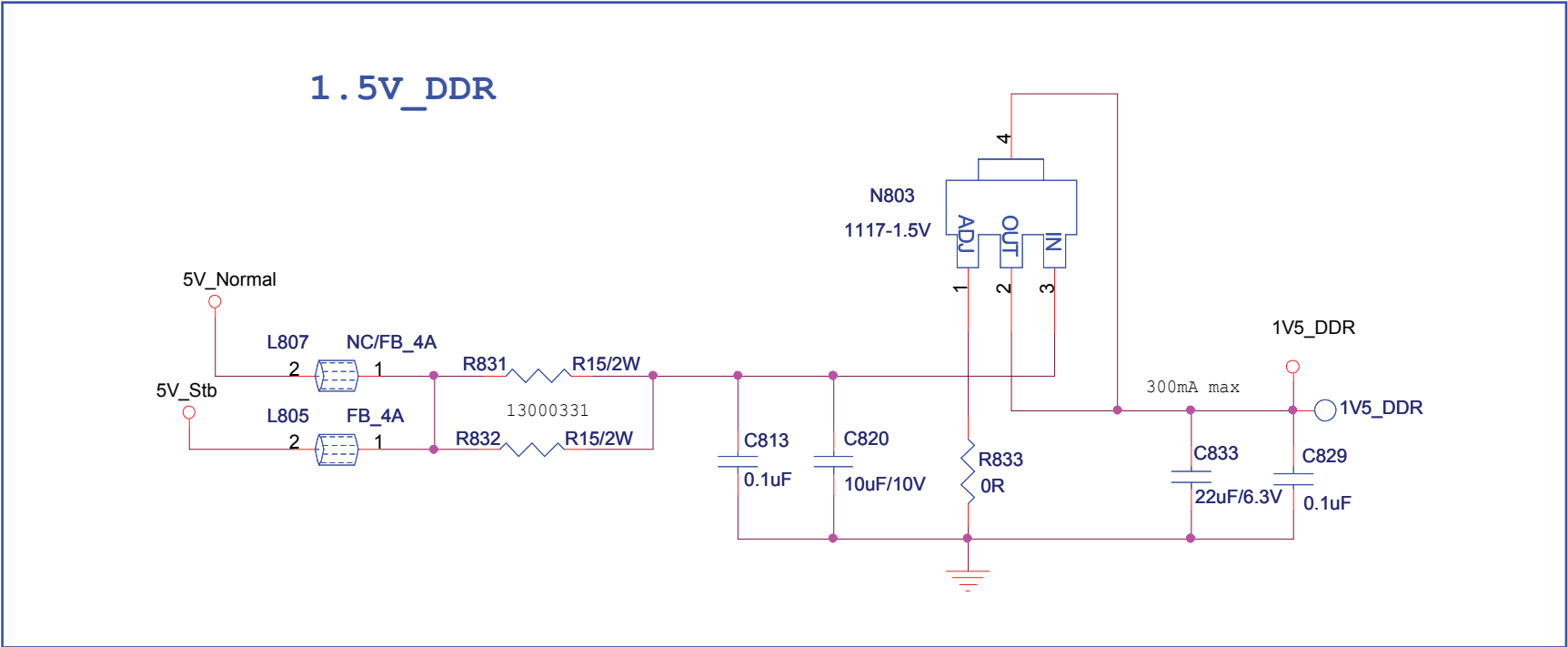
(Todos Modelos)



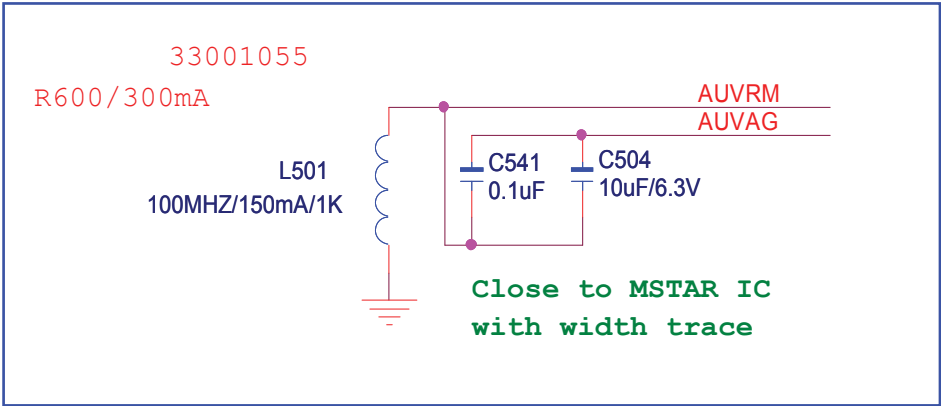
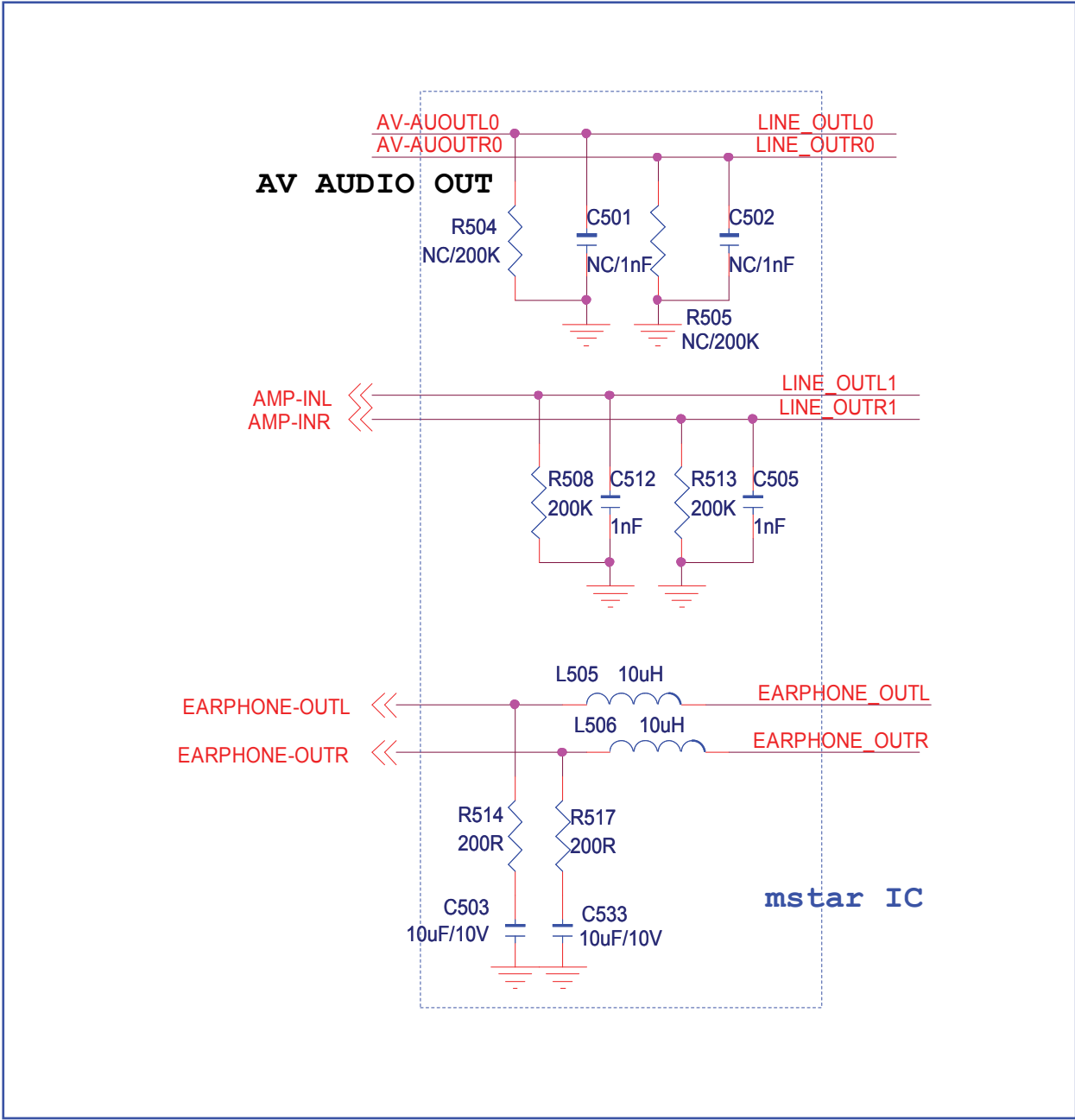




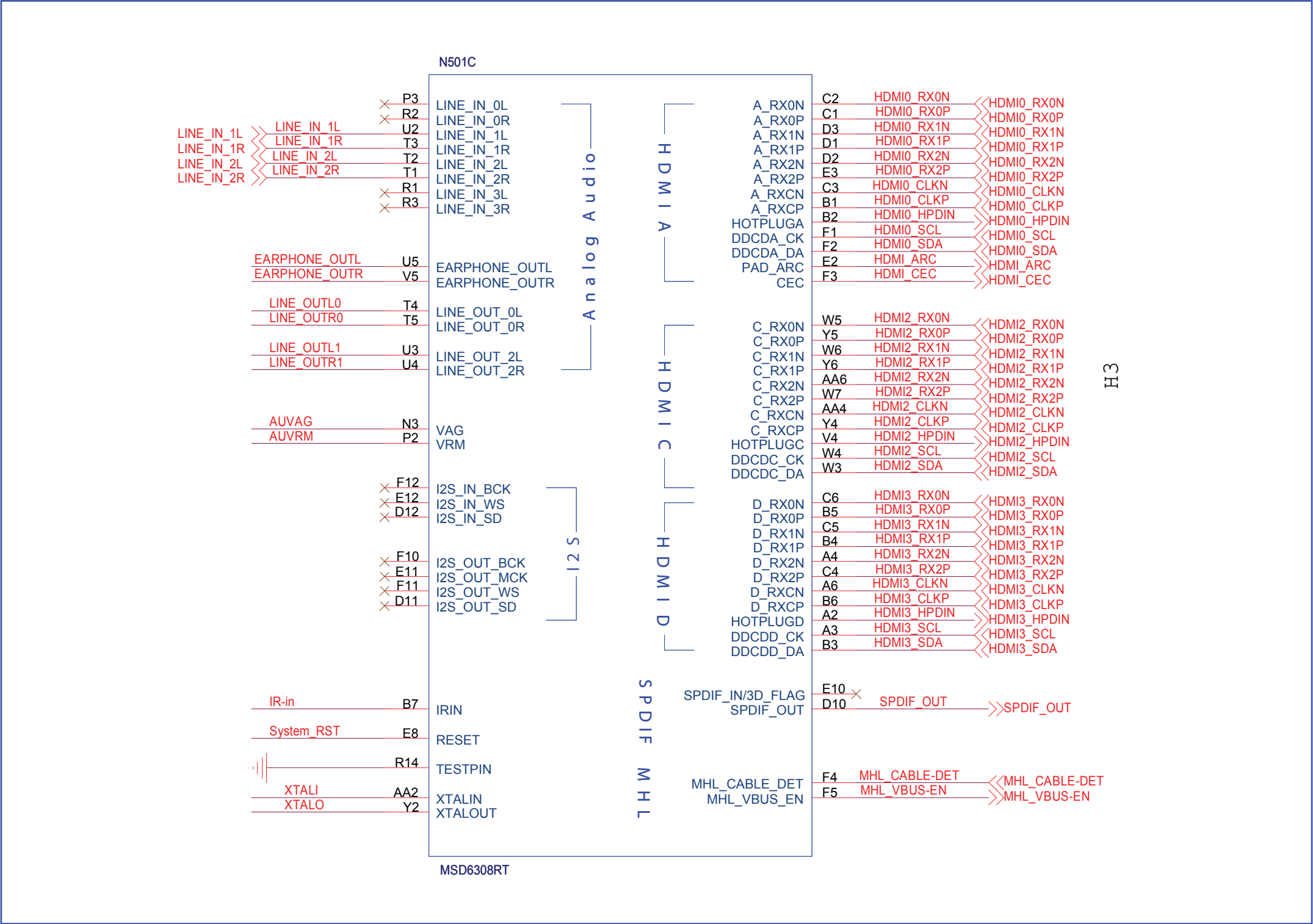




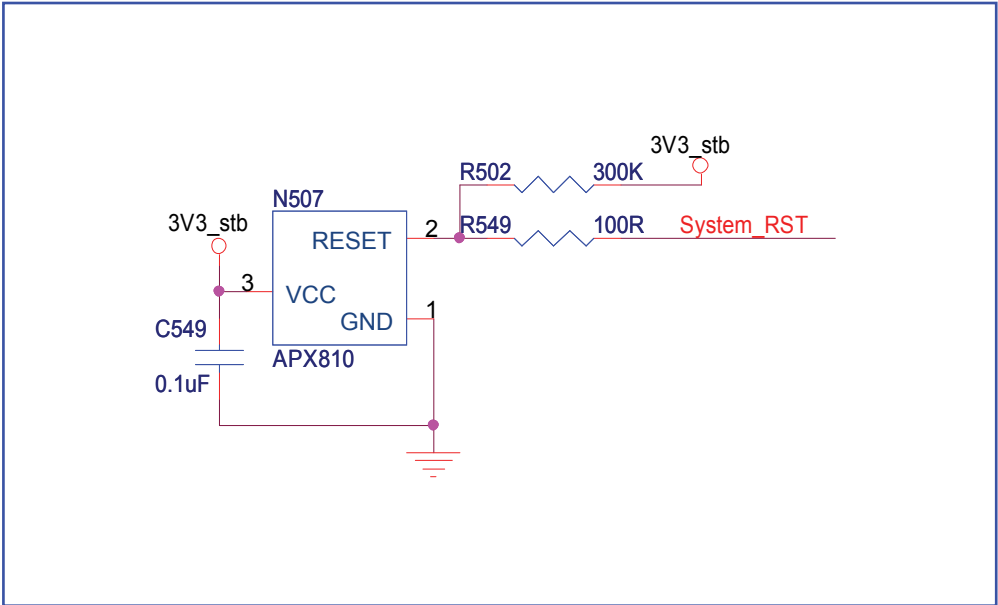
Audio Line Out



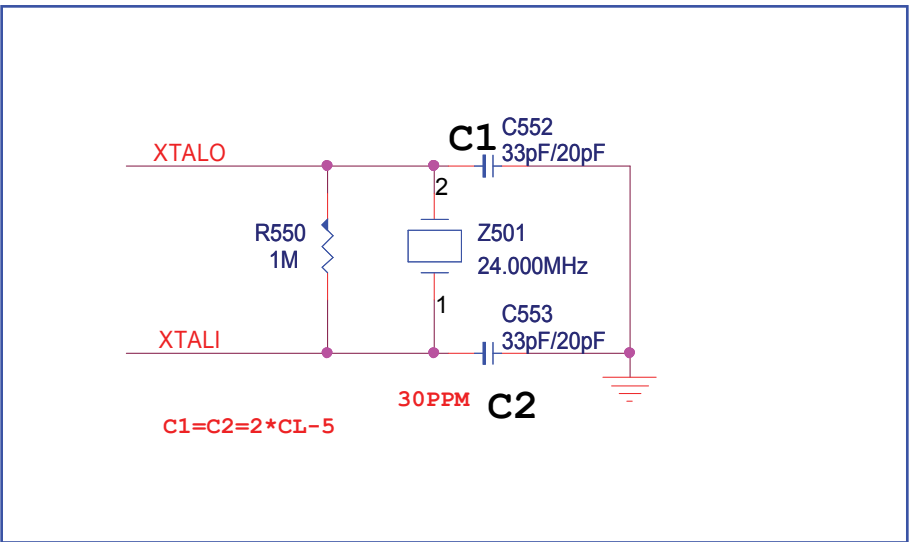
HDMI & Audio



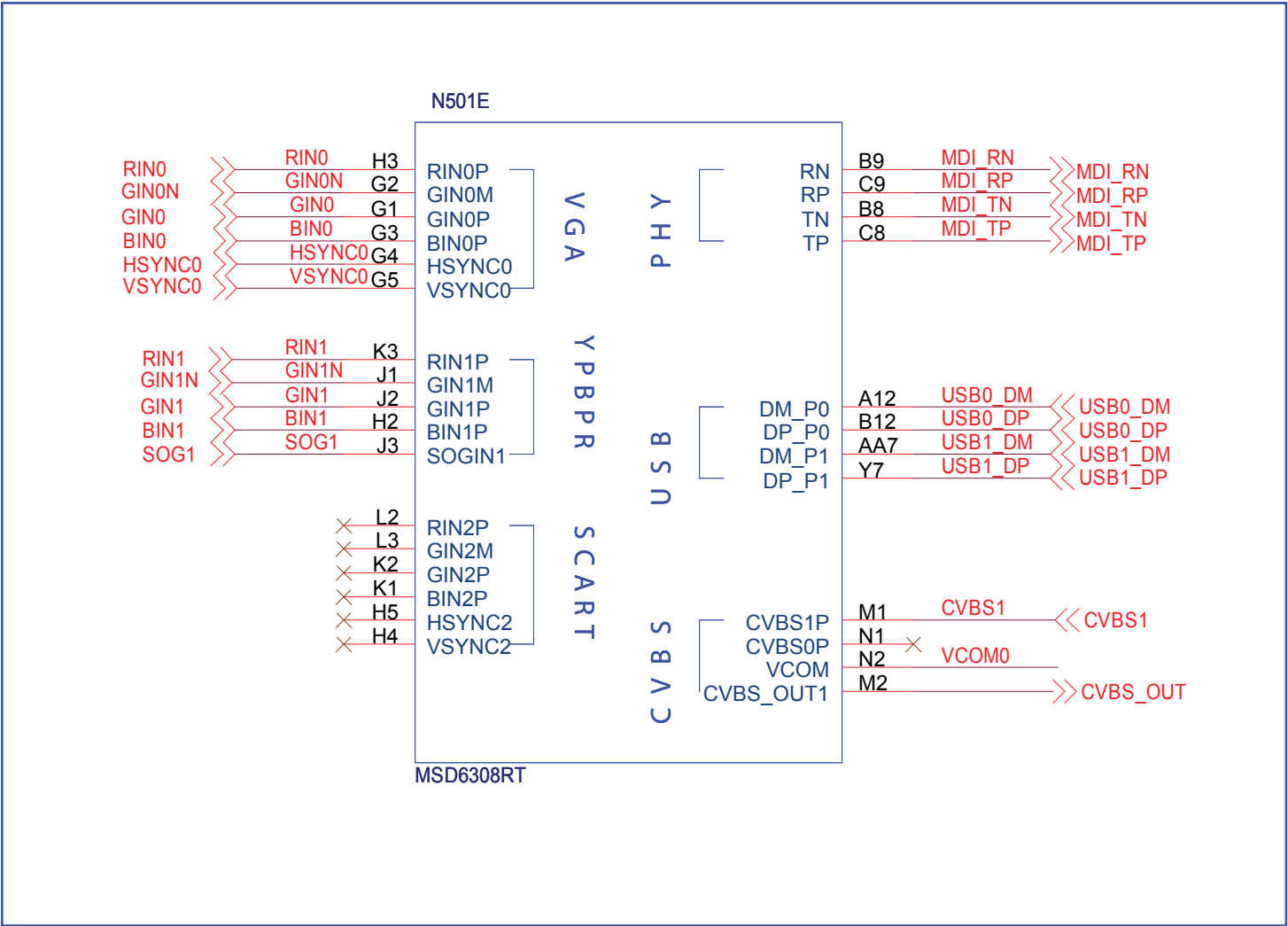
RESET



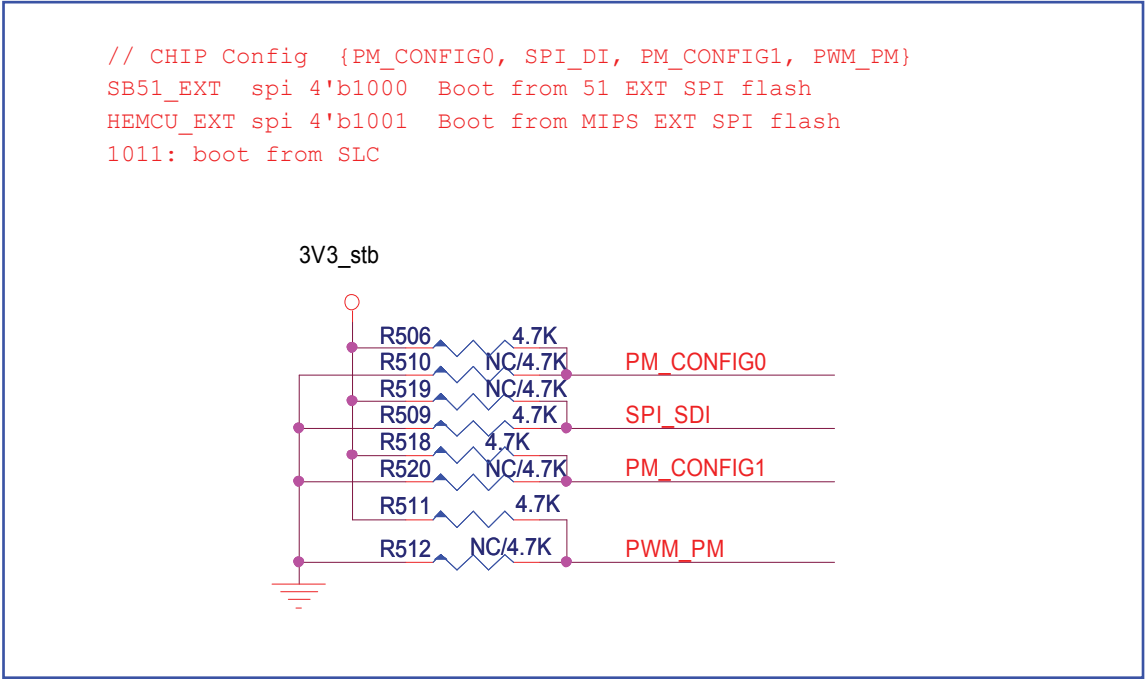
Crystal



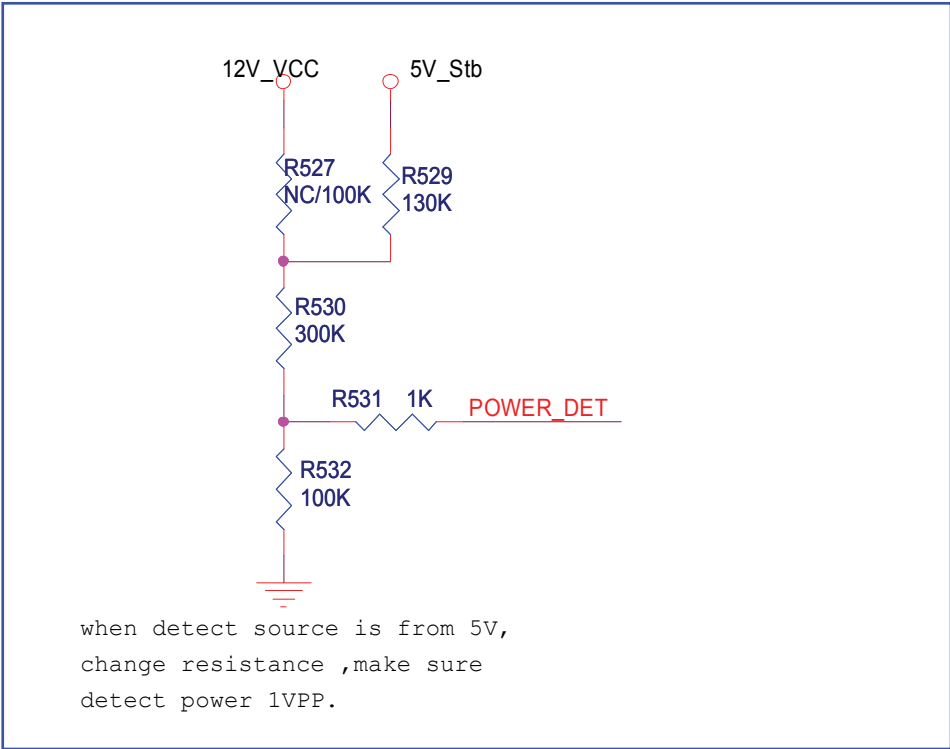
Video



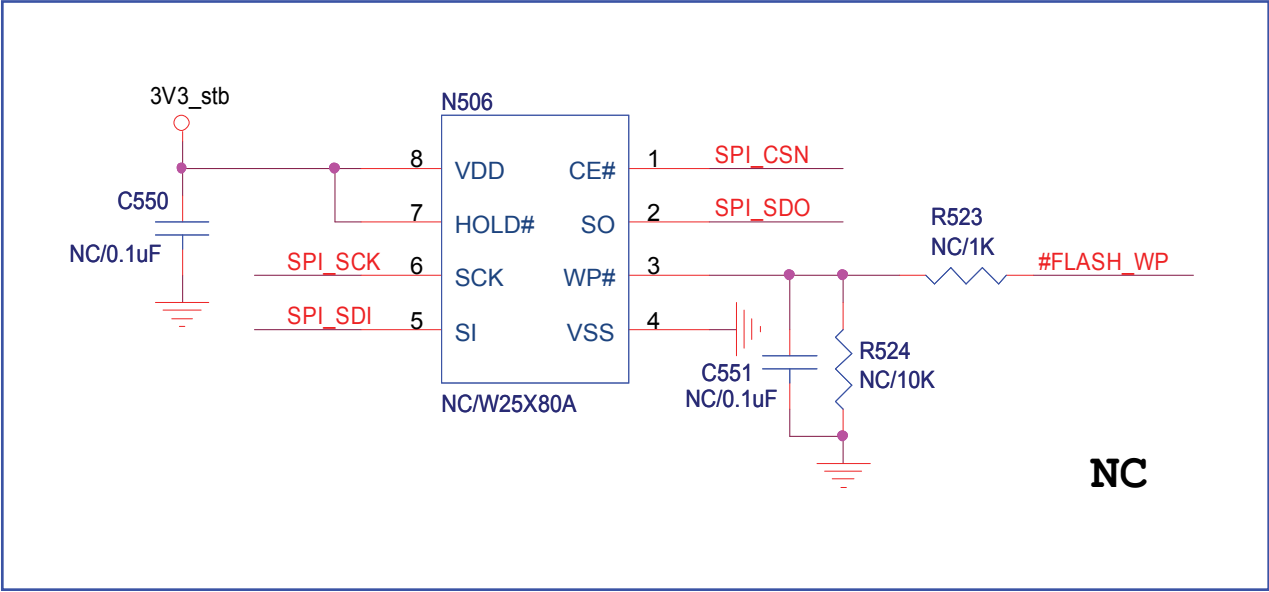
Mode Selection



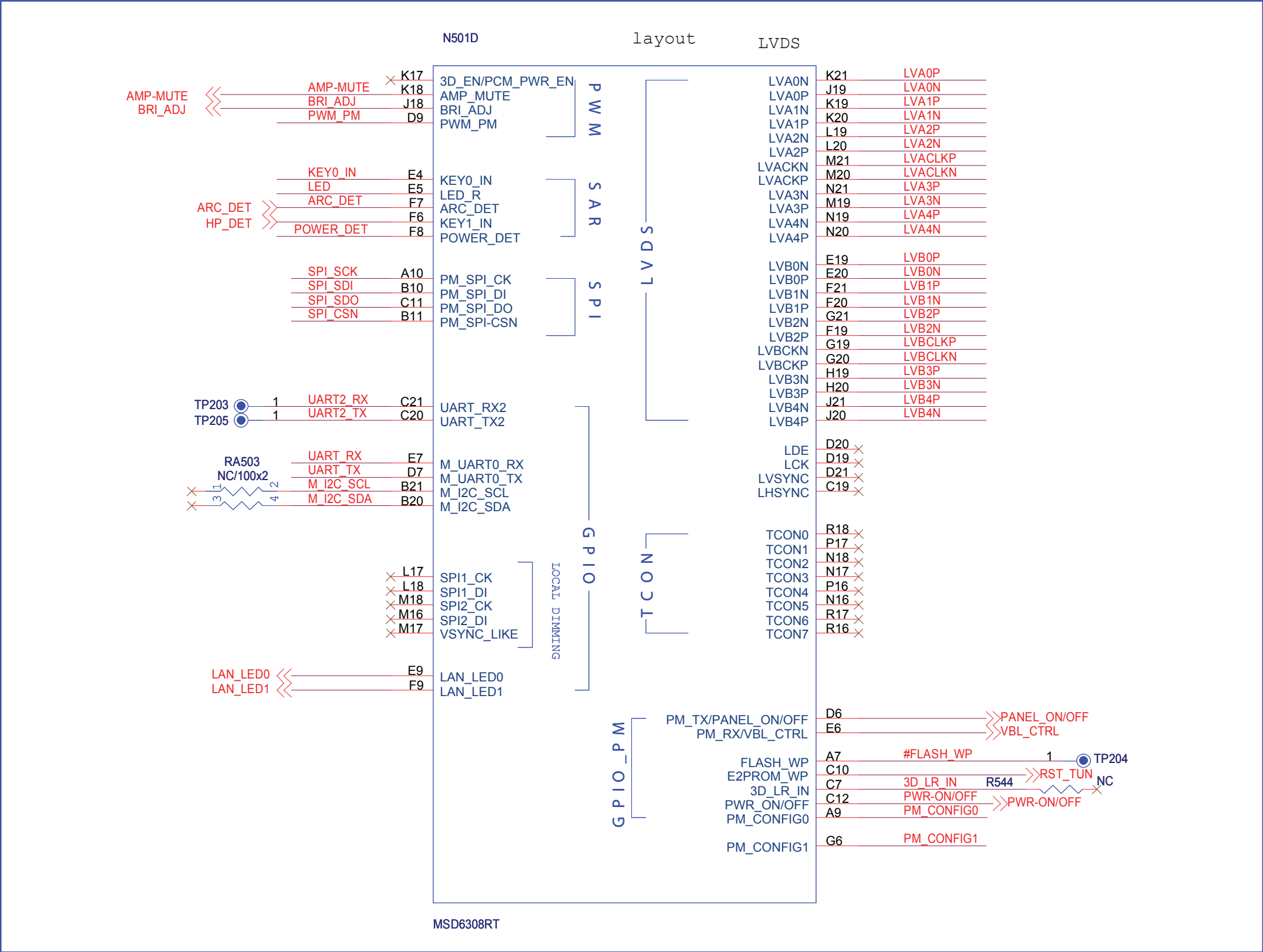
Detect Nand Flash Power



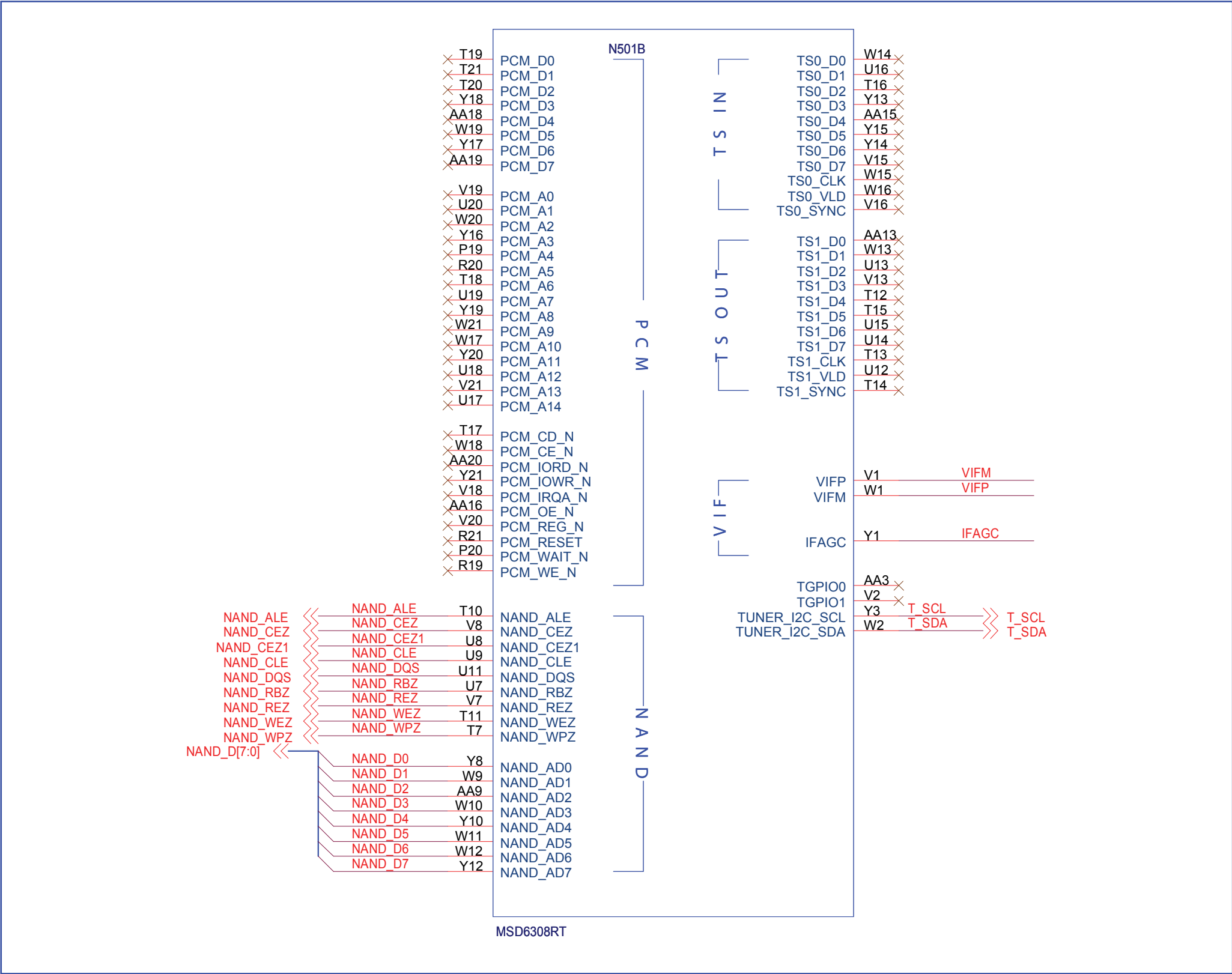
SPI Flash



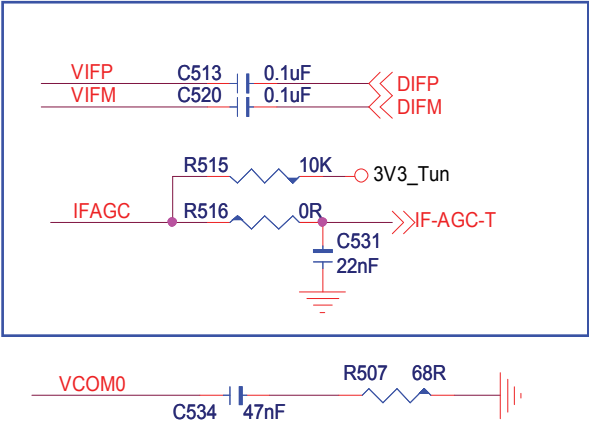
GPIO & LVDS



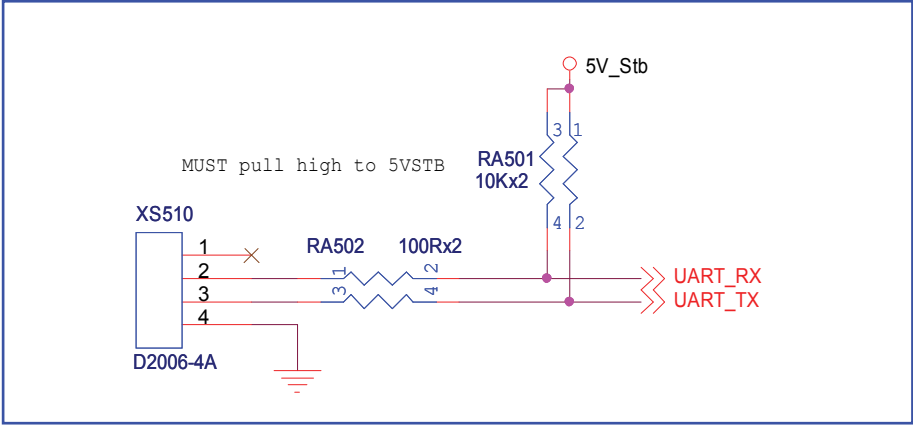
NAND & TS & Front End



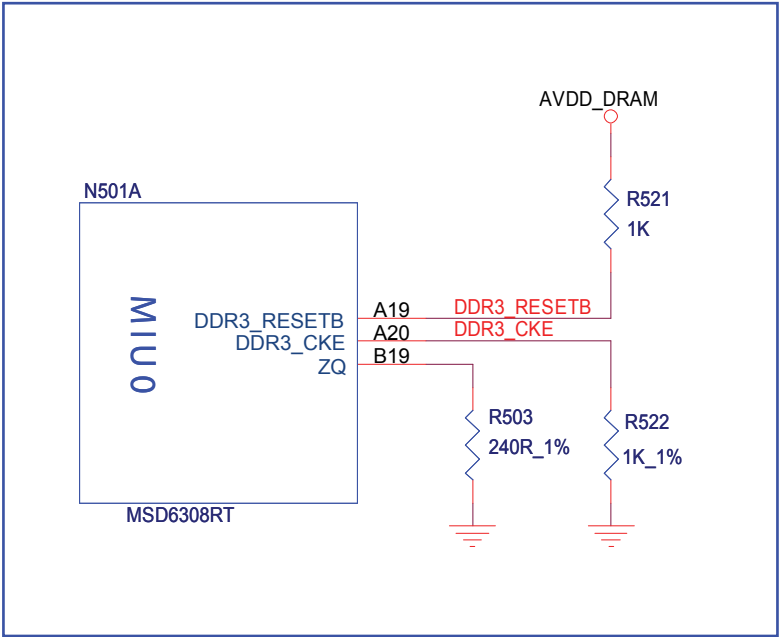
RF



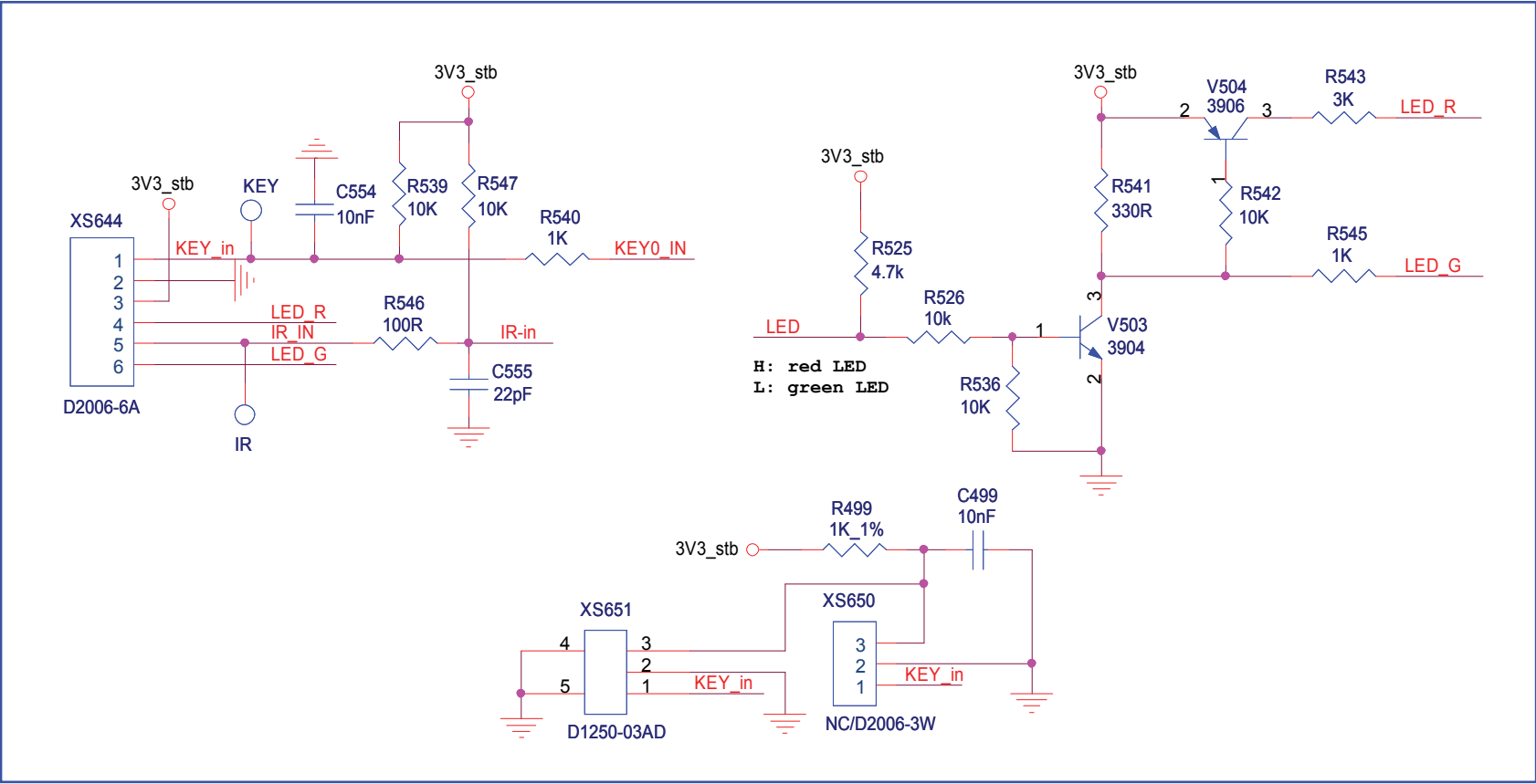
Debug port

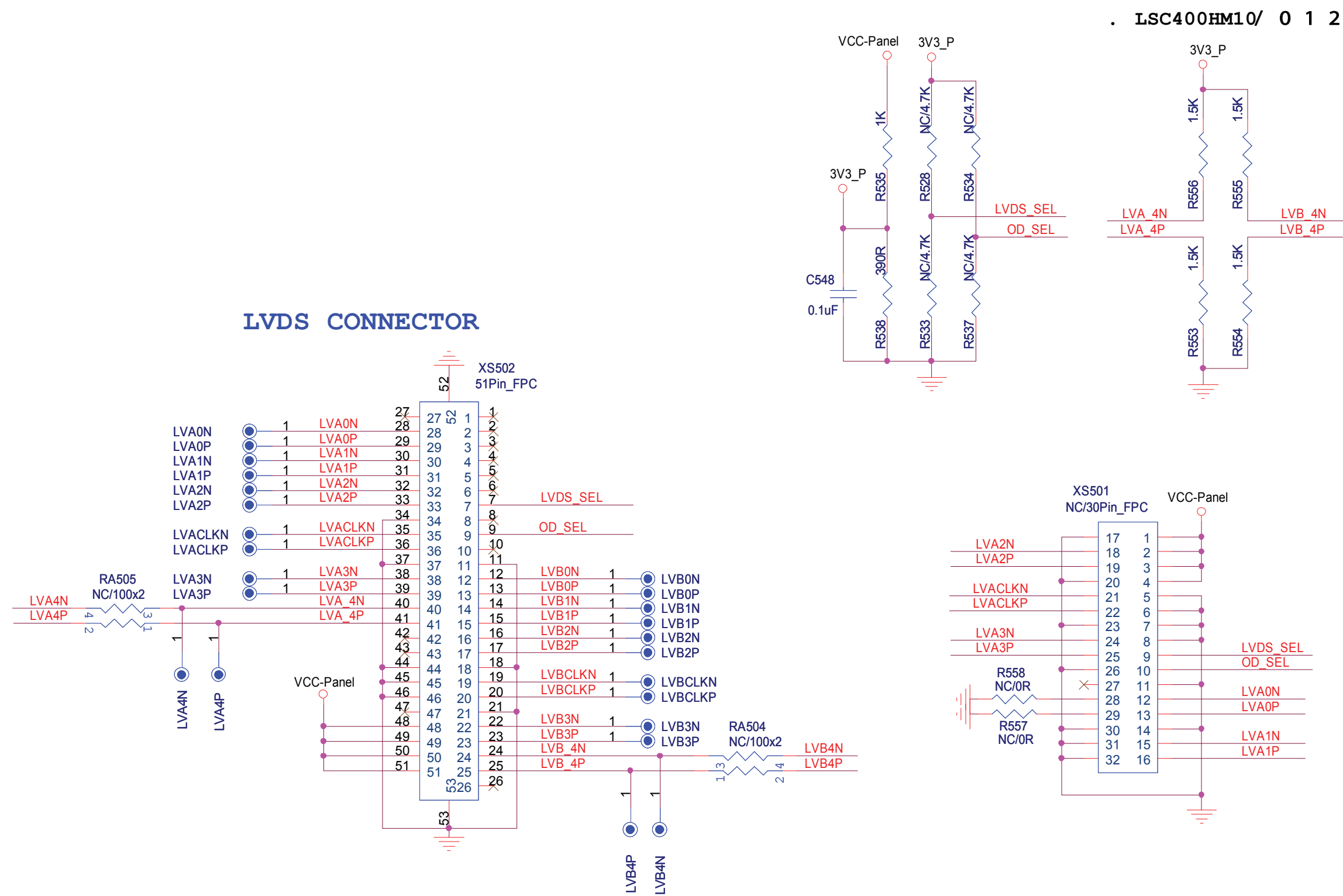


MSD MIU

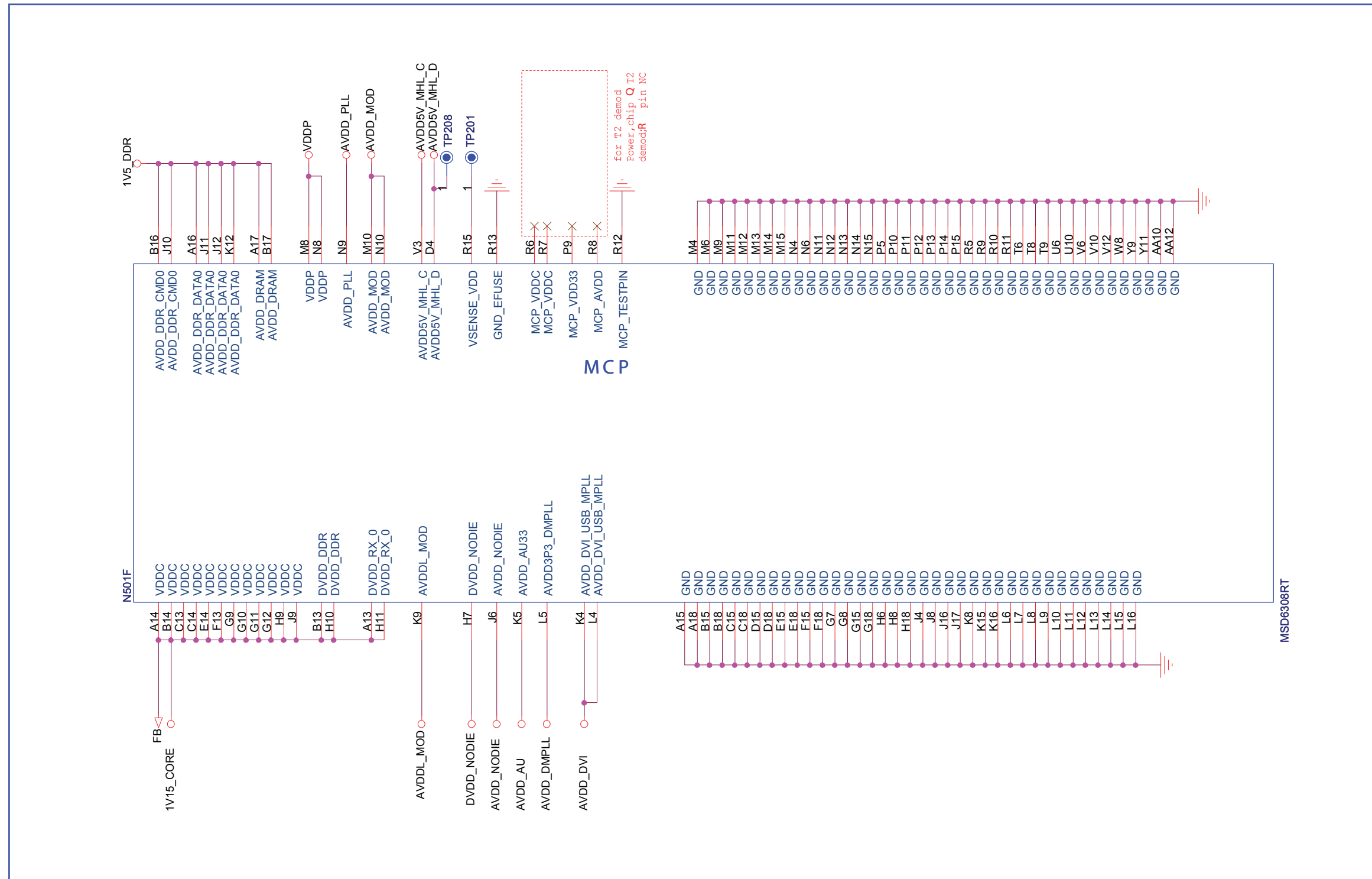


LED/IR/KEY

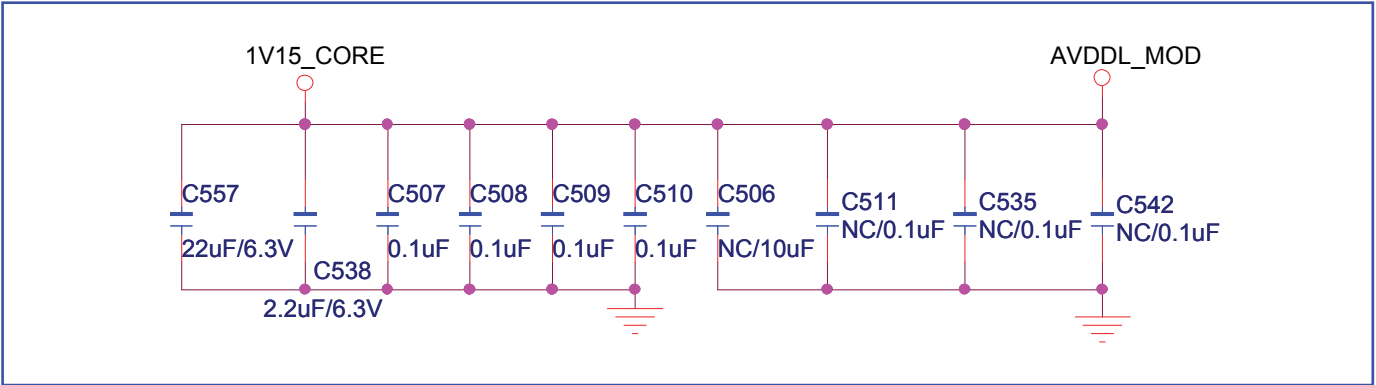




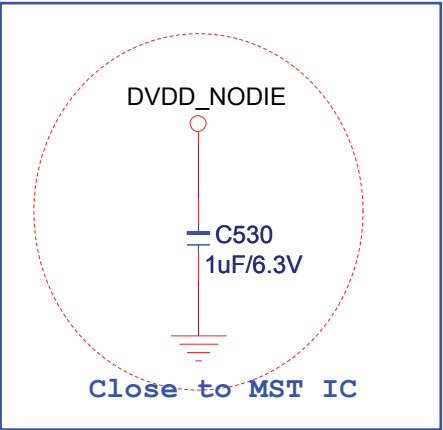
POWER&GND



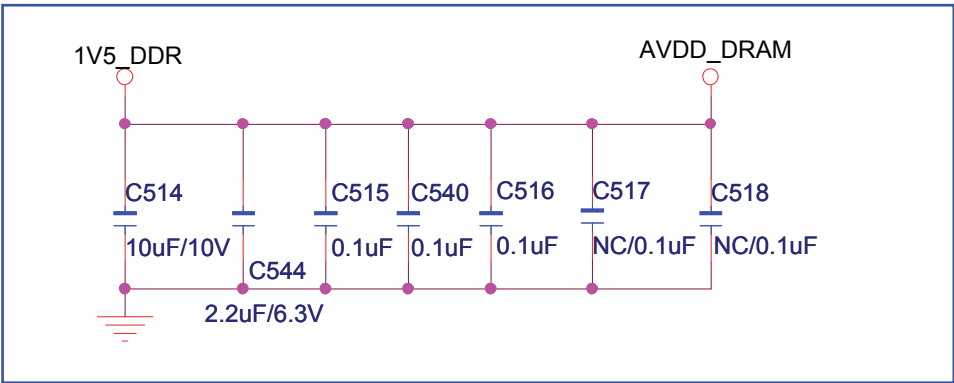
CORE POWER



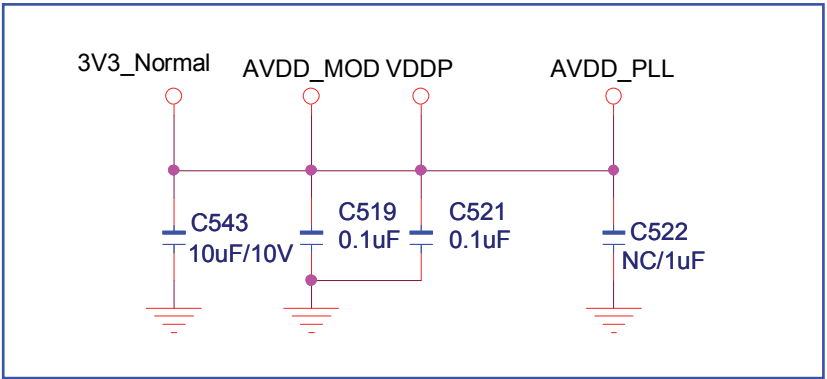
nodie



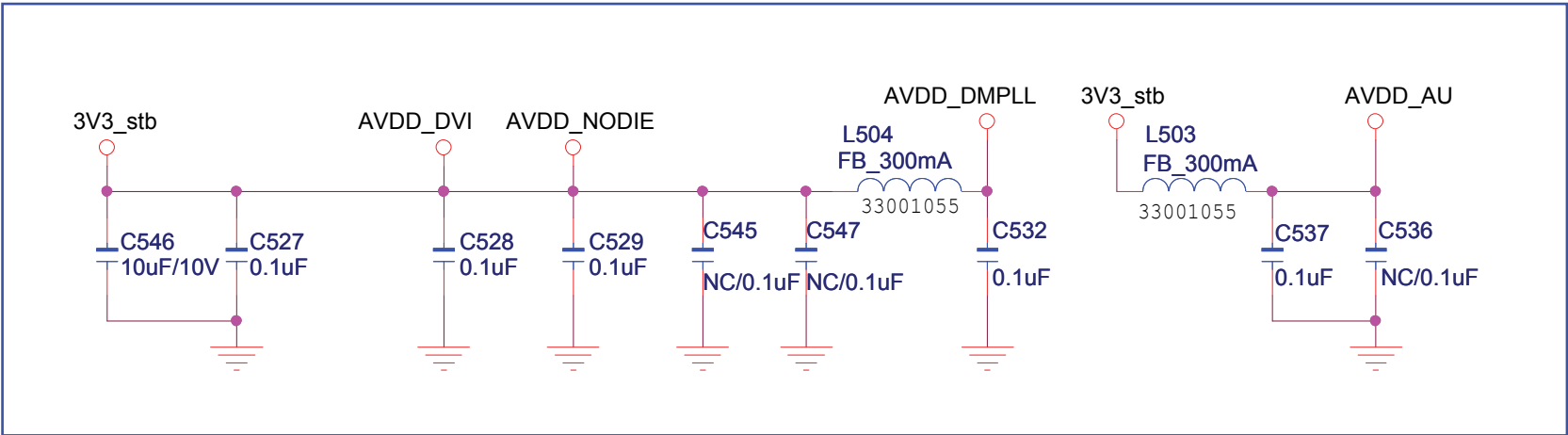
DDR3 POWER



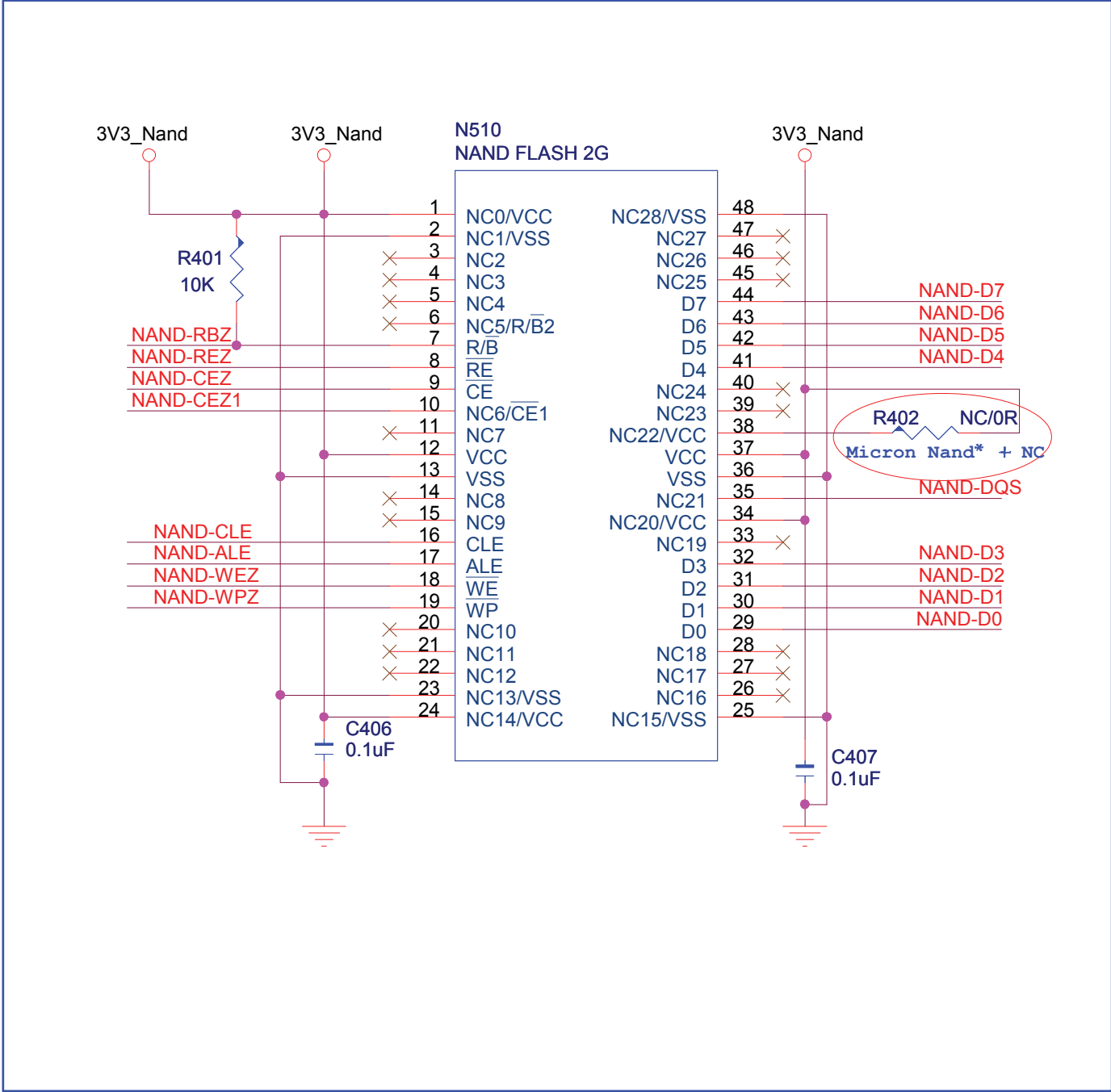
Normal Power 3.3V



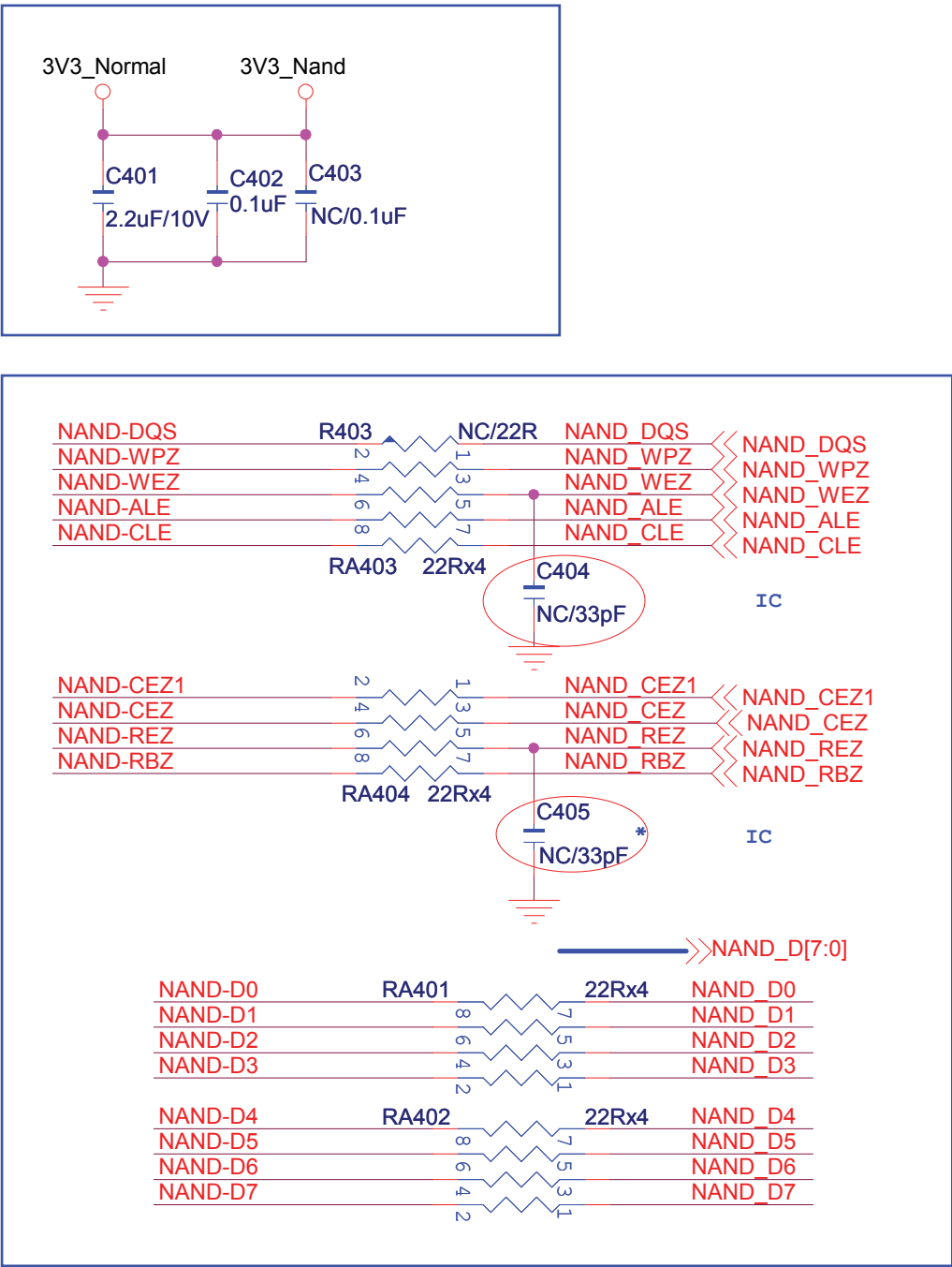
Standby Power 3.3V



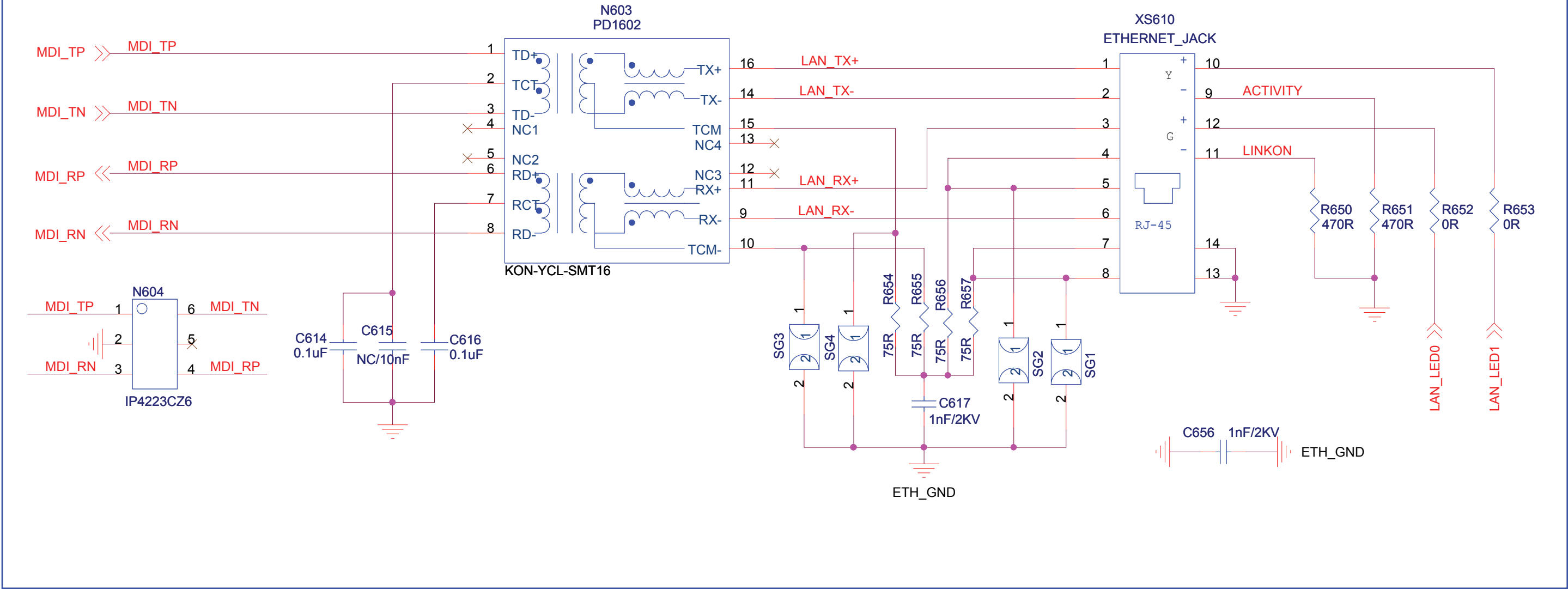
NAND FLASH

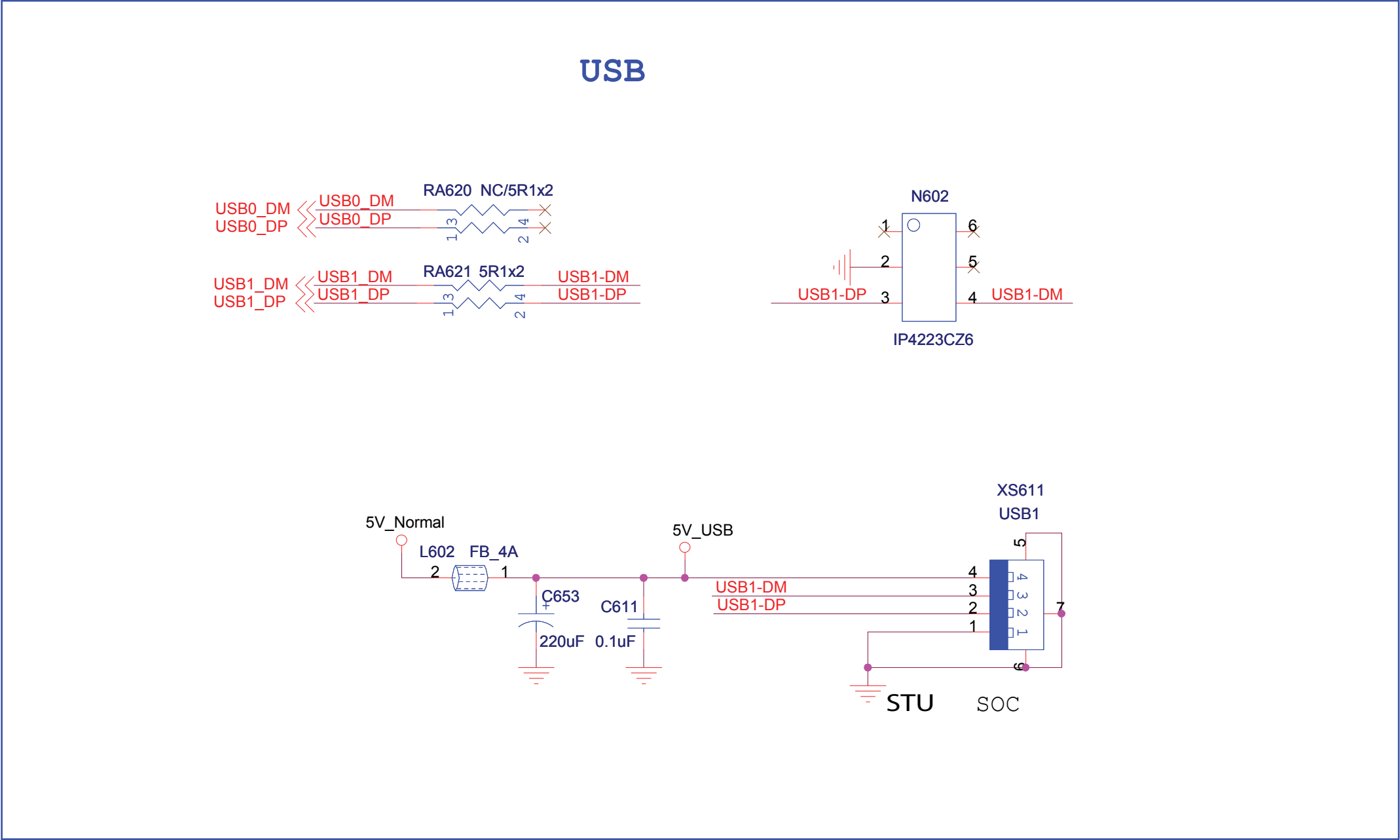


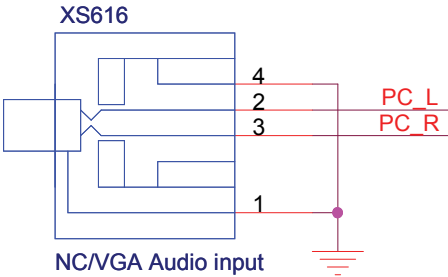
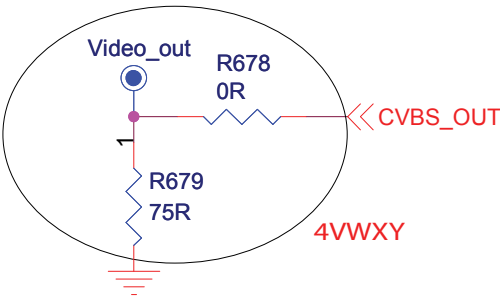
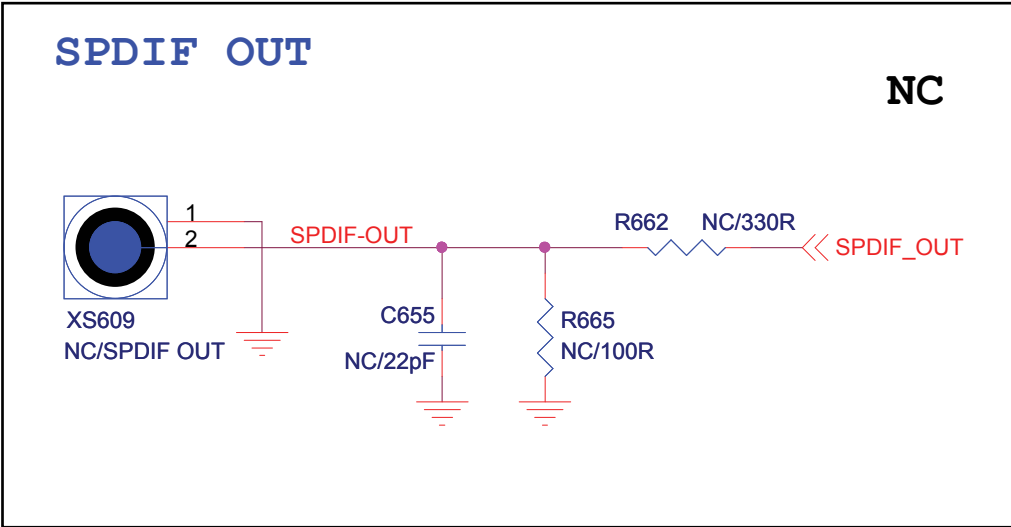
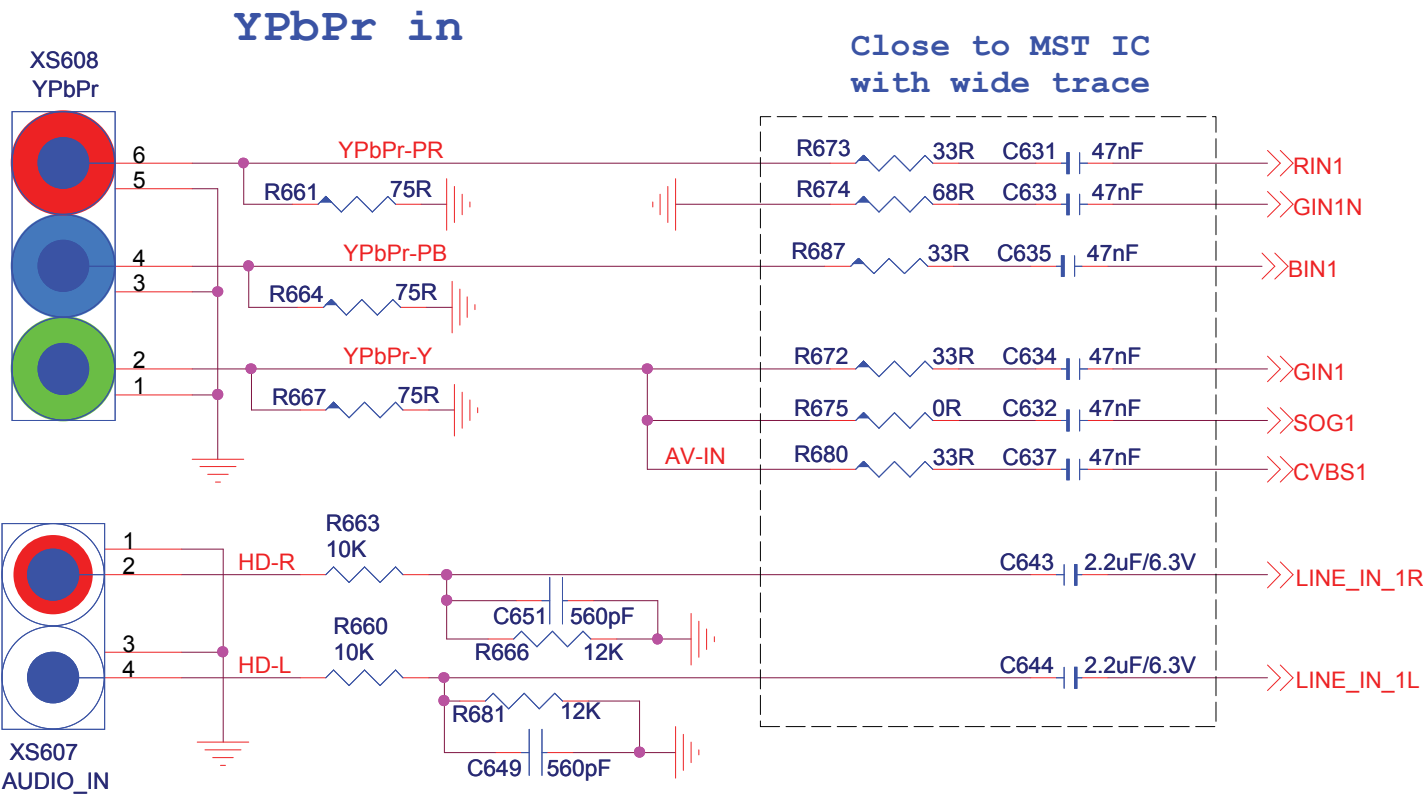
NAND Power



ETHERNET

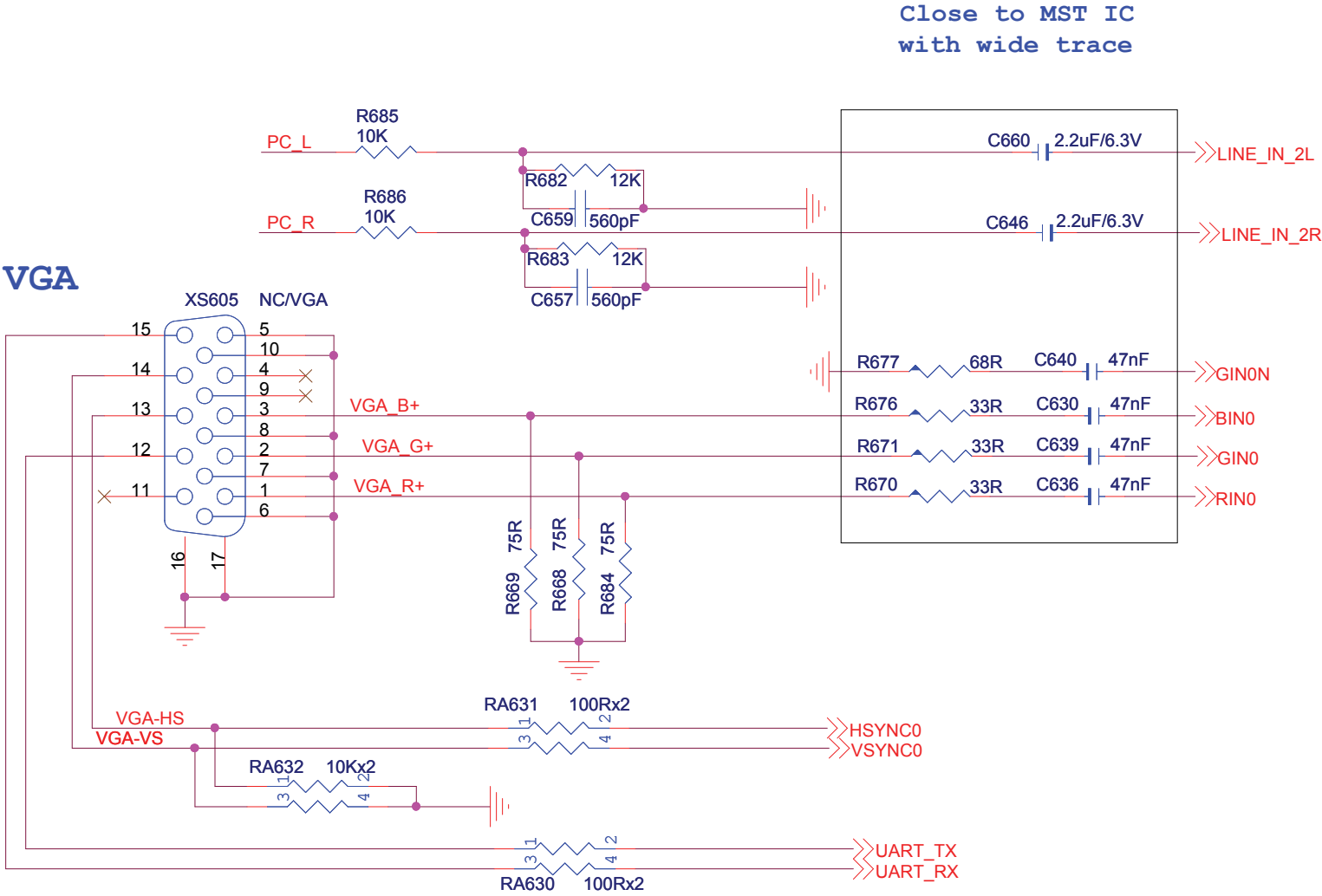






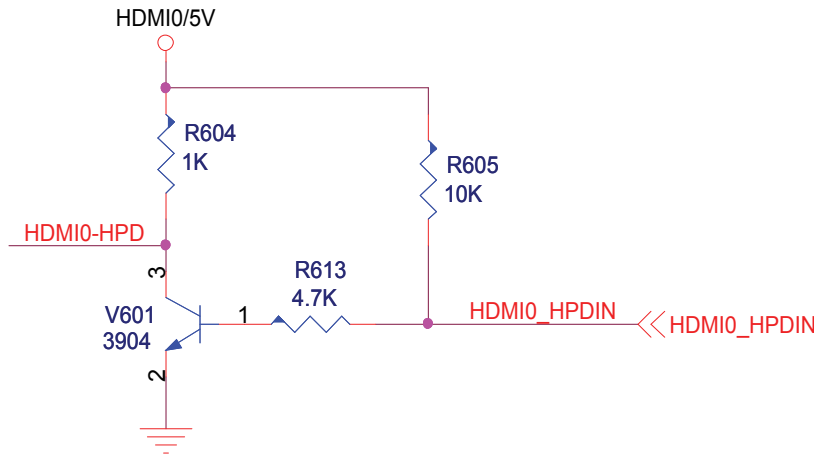
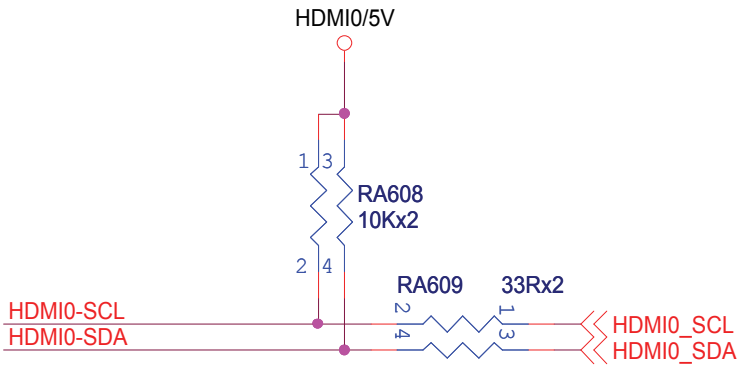
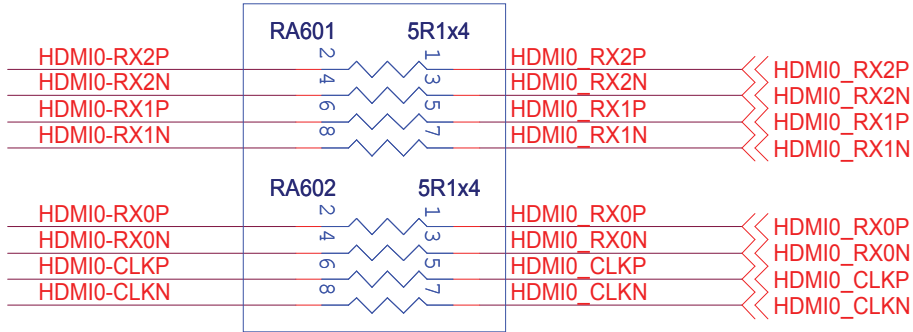
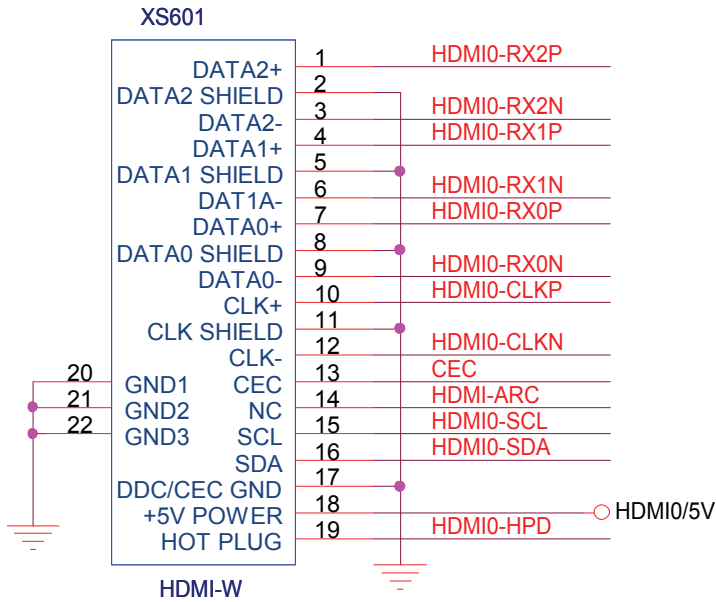
NC

NC



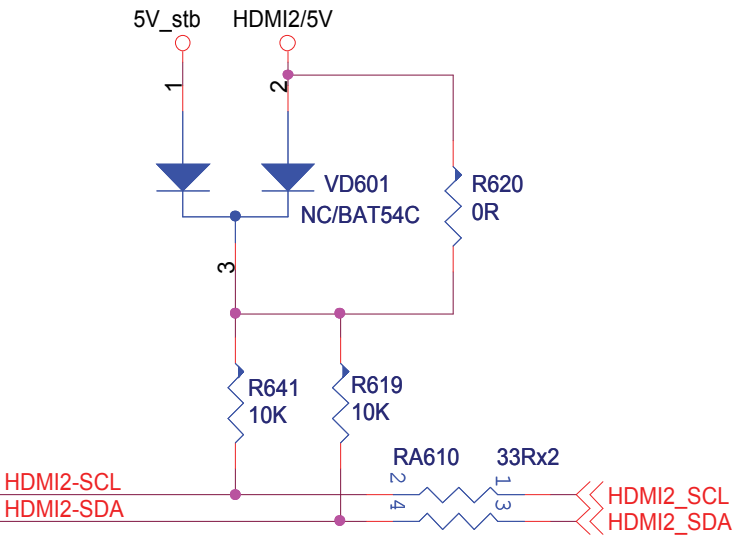
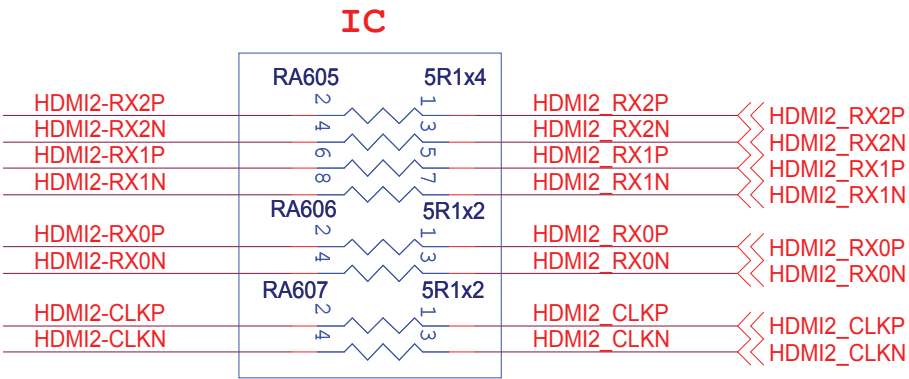
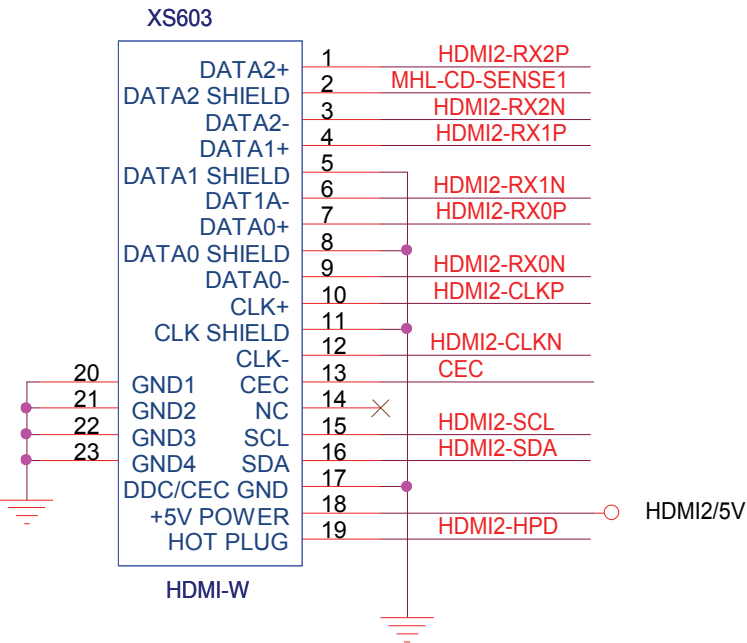
HDMI1@ARC

H1



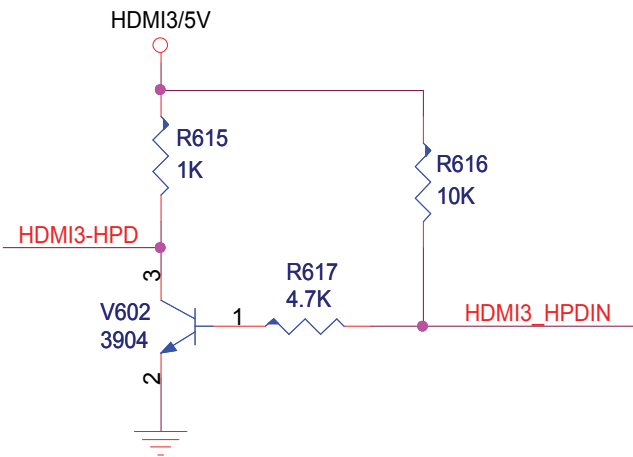
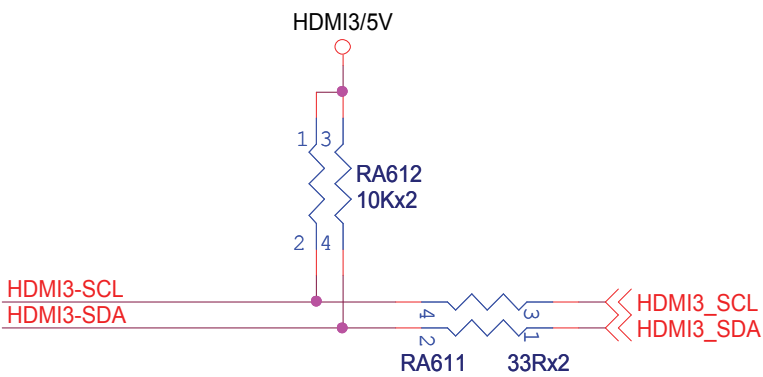
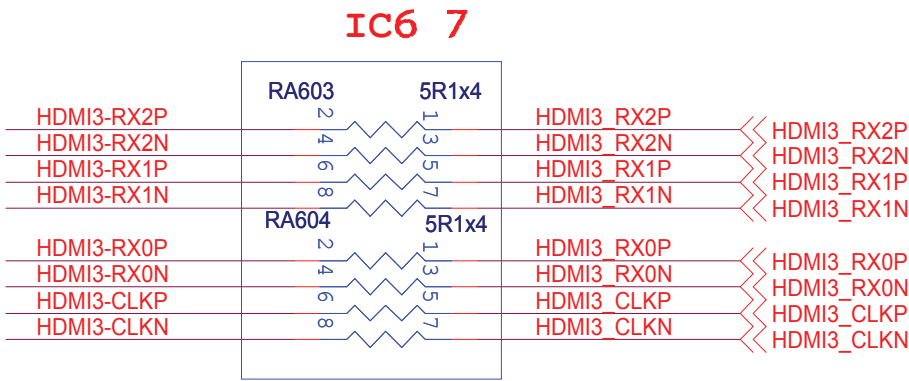
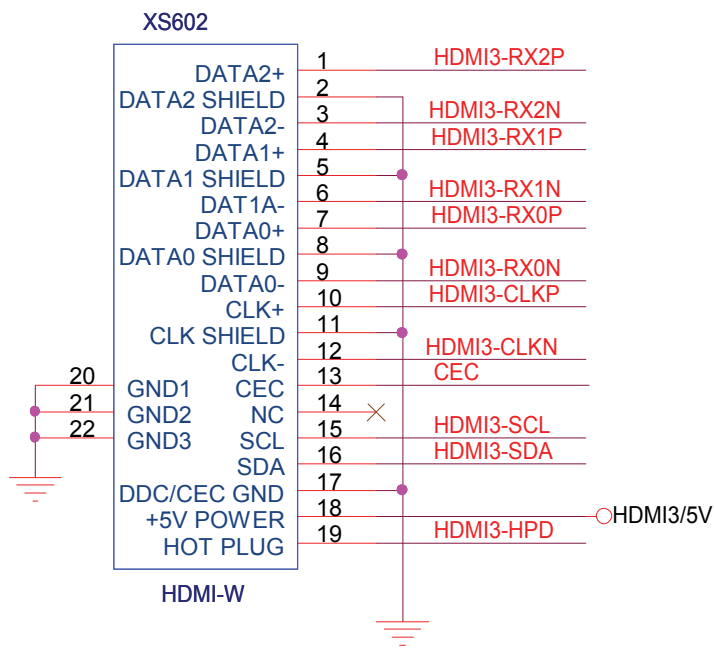
HDMI 3@MHL

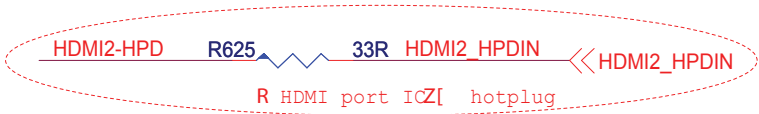
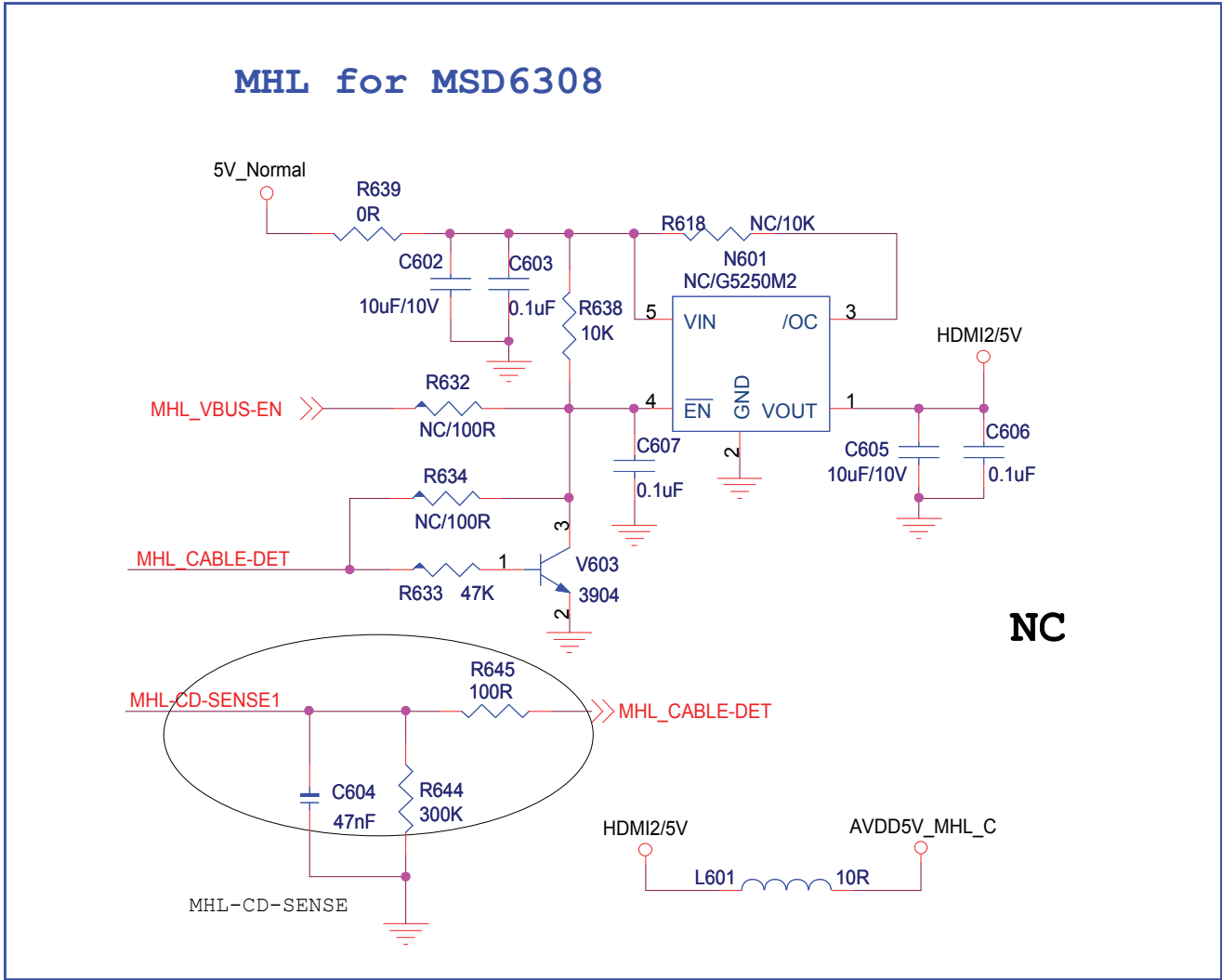
H3



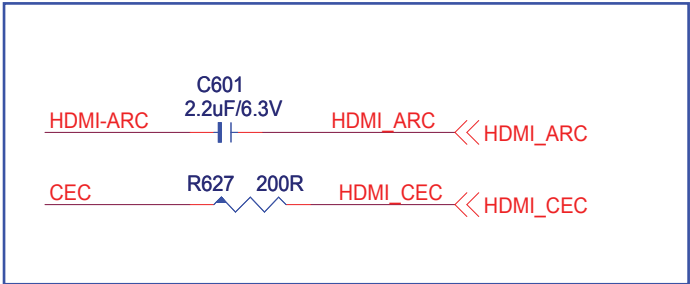
HDMI2

H2

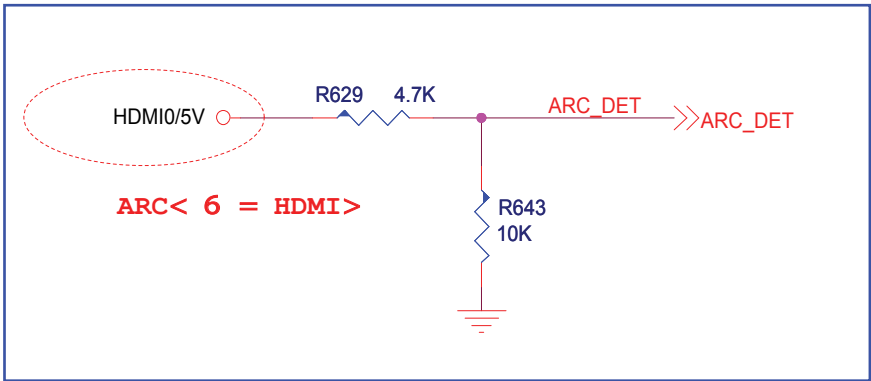




CEC & ARC

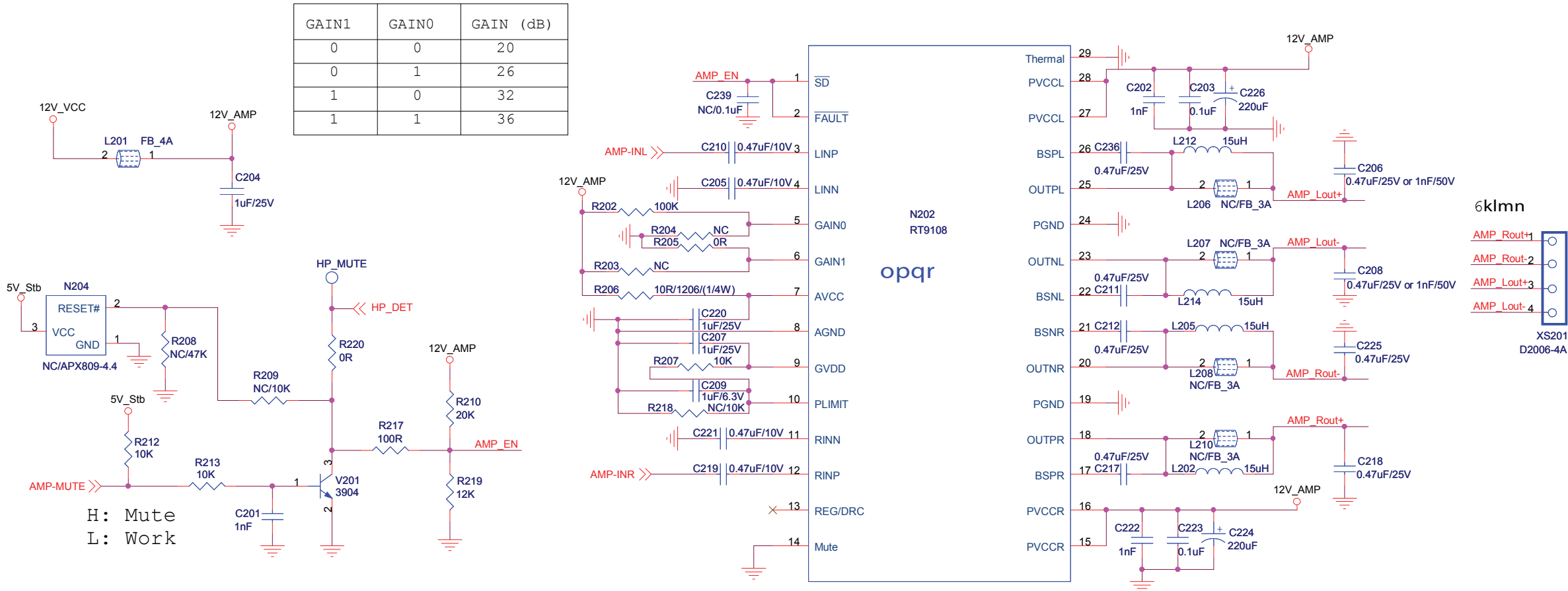


ARC DET

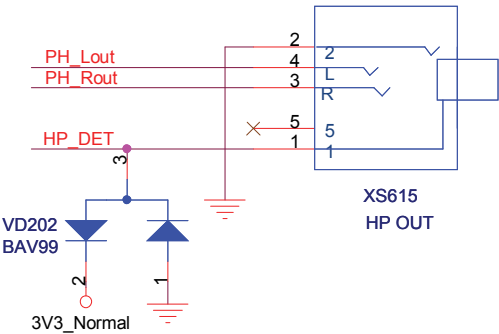
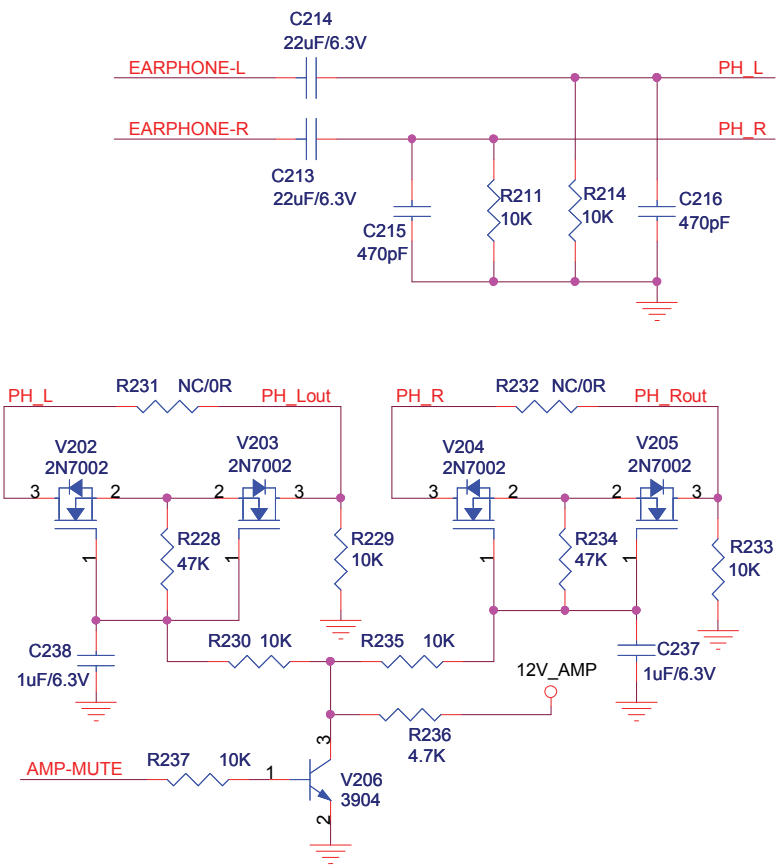
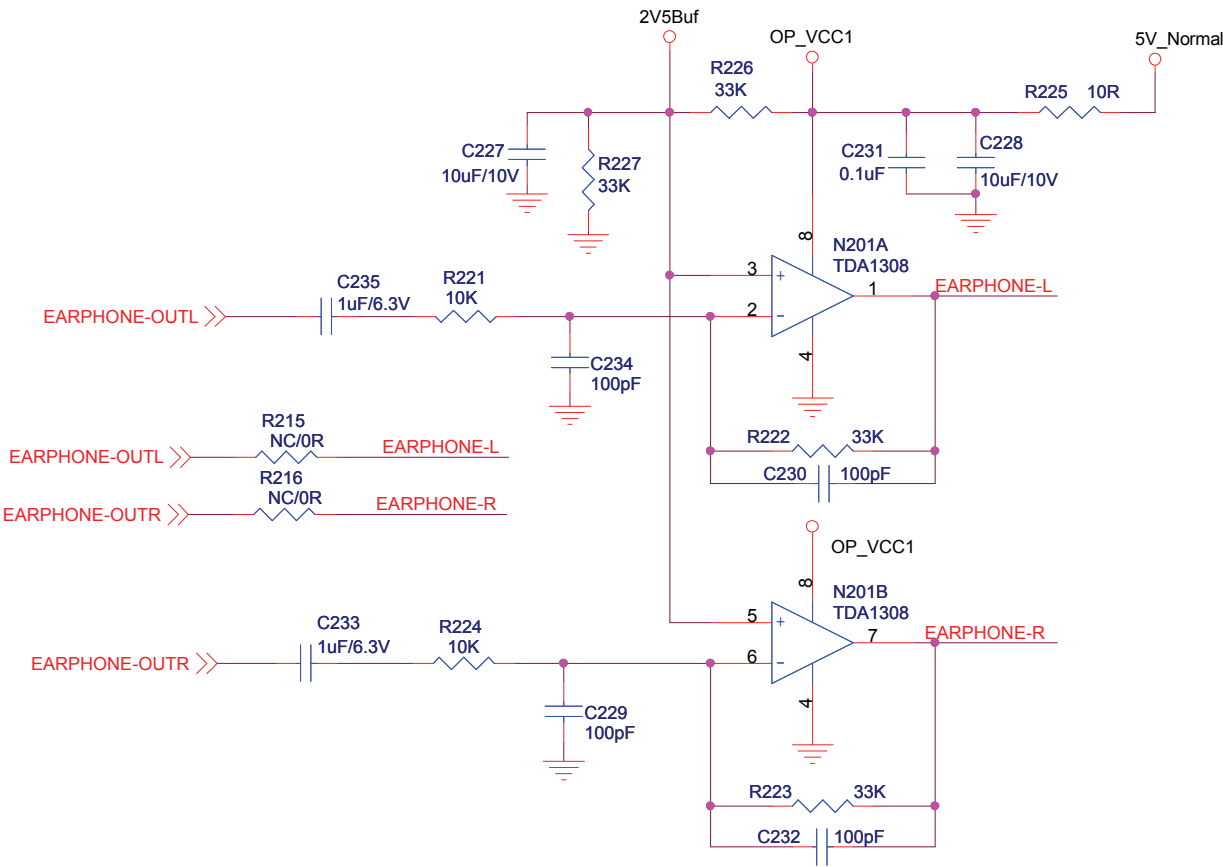




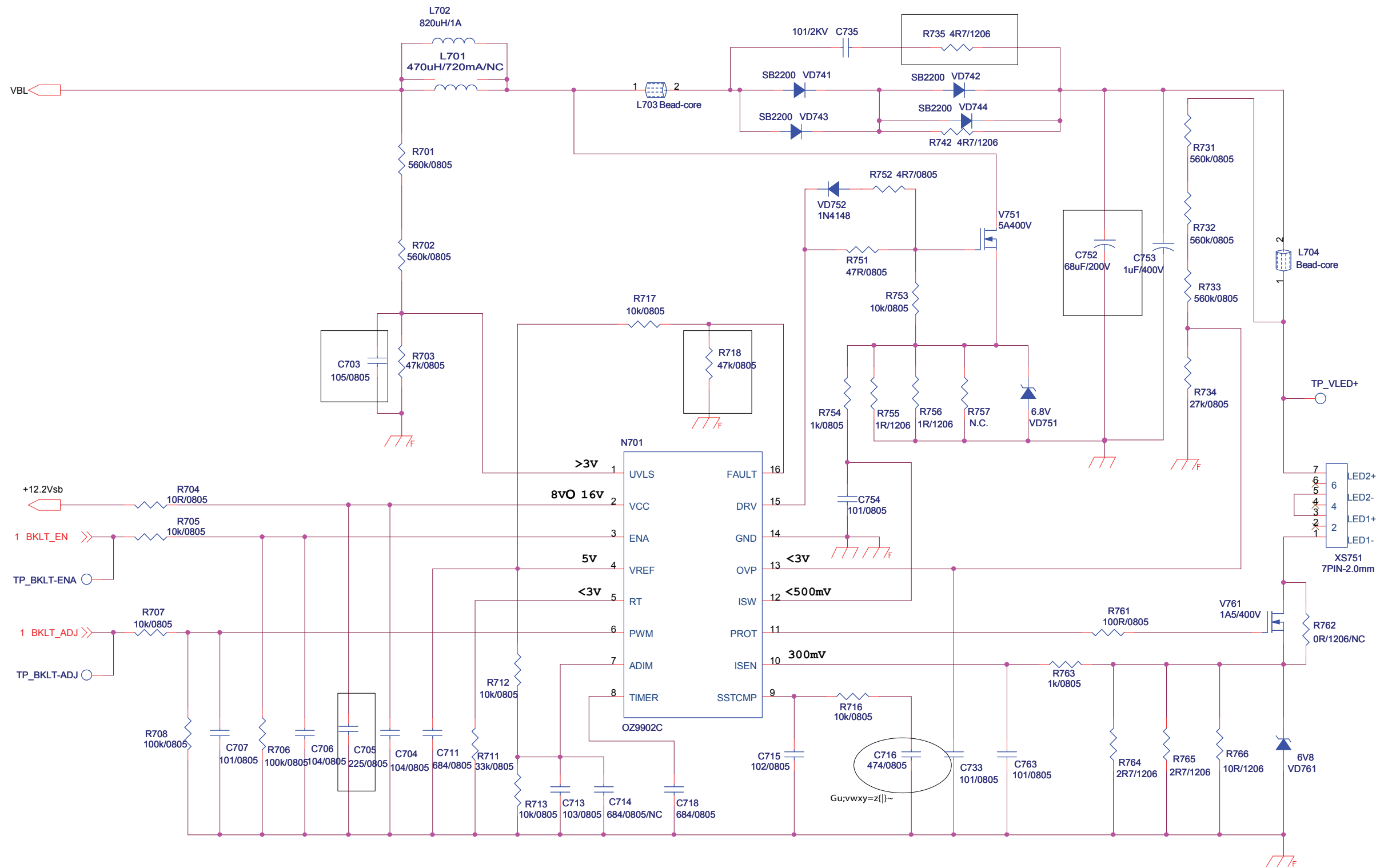
AMP



PH_Drive



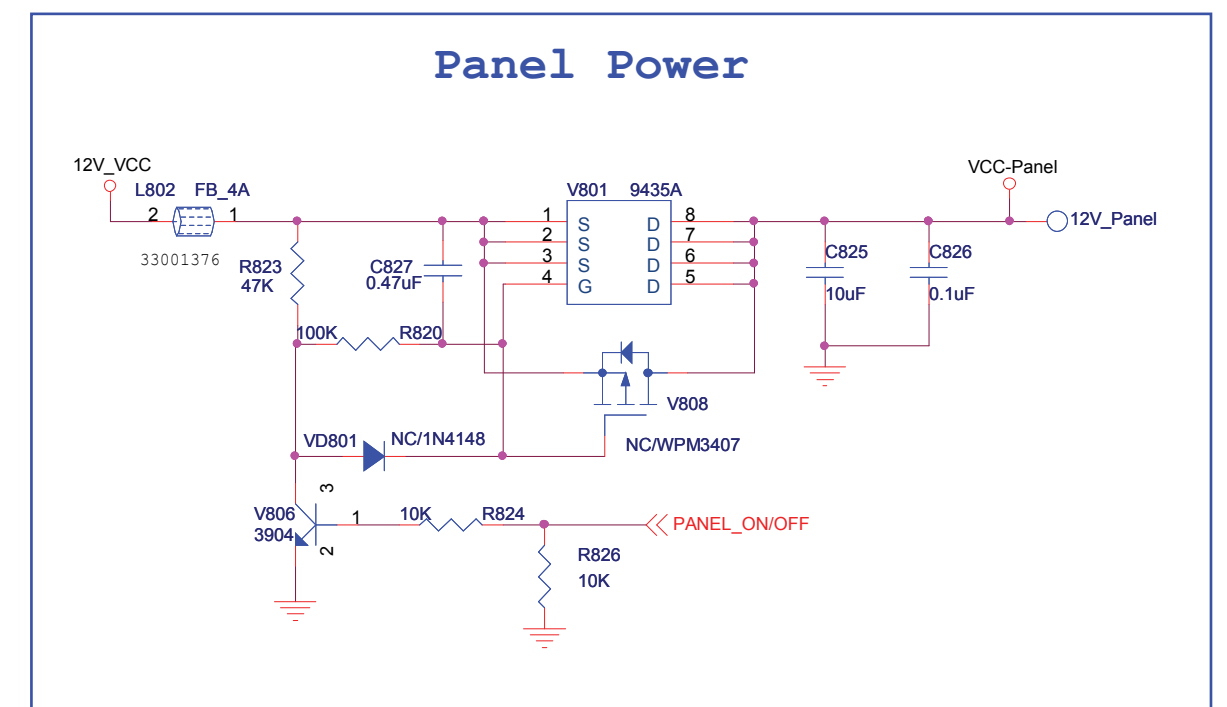


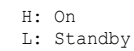
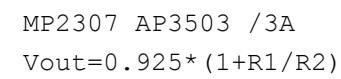


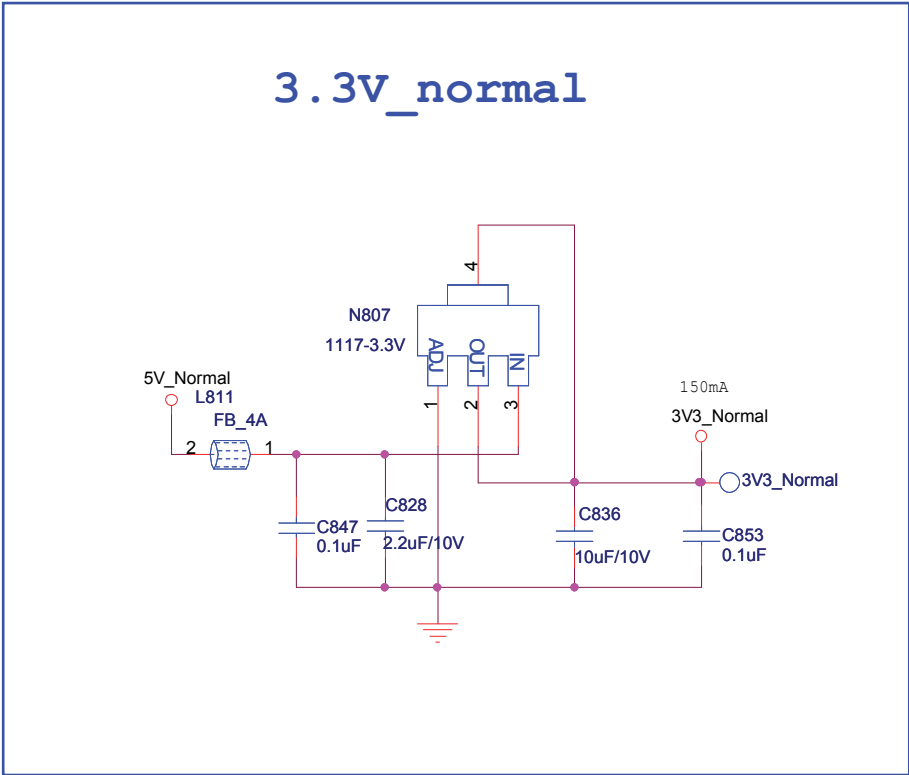
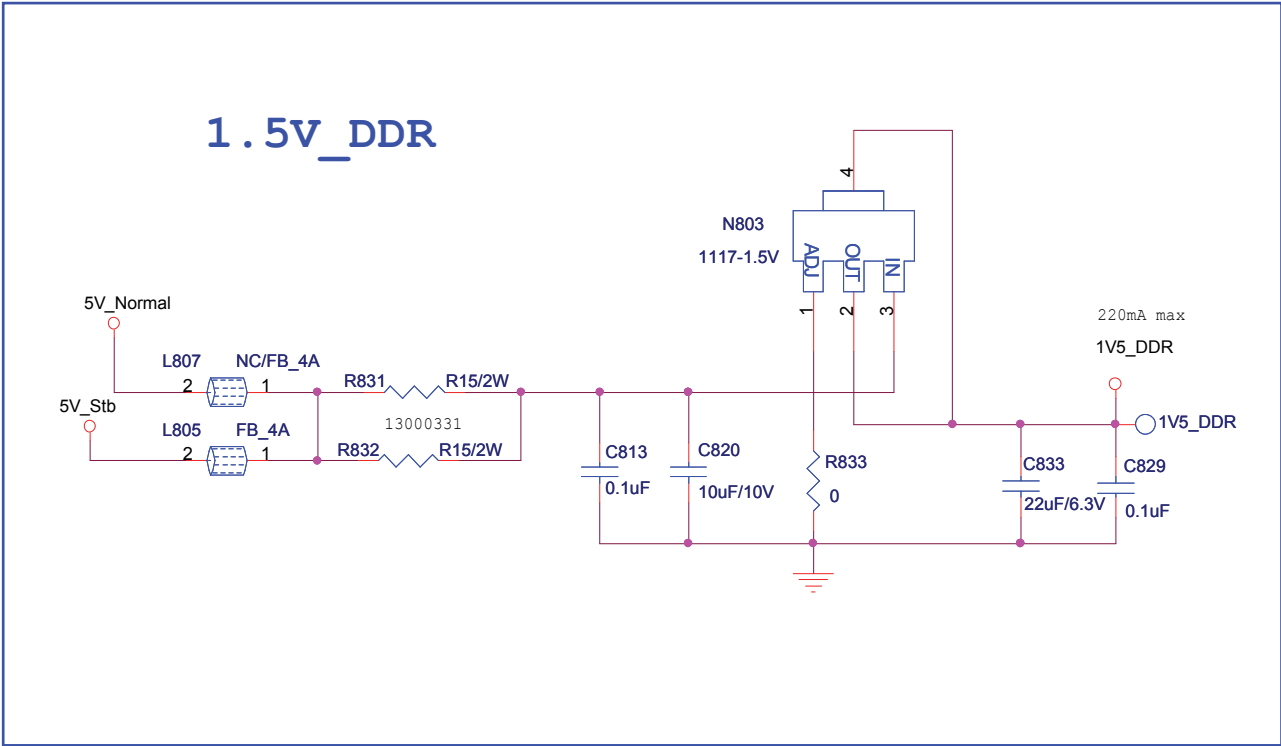
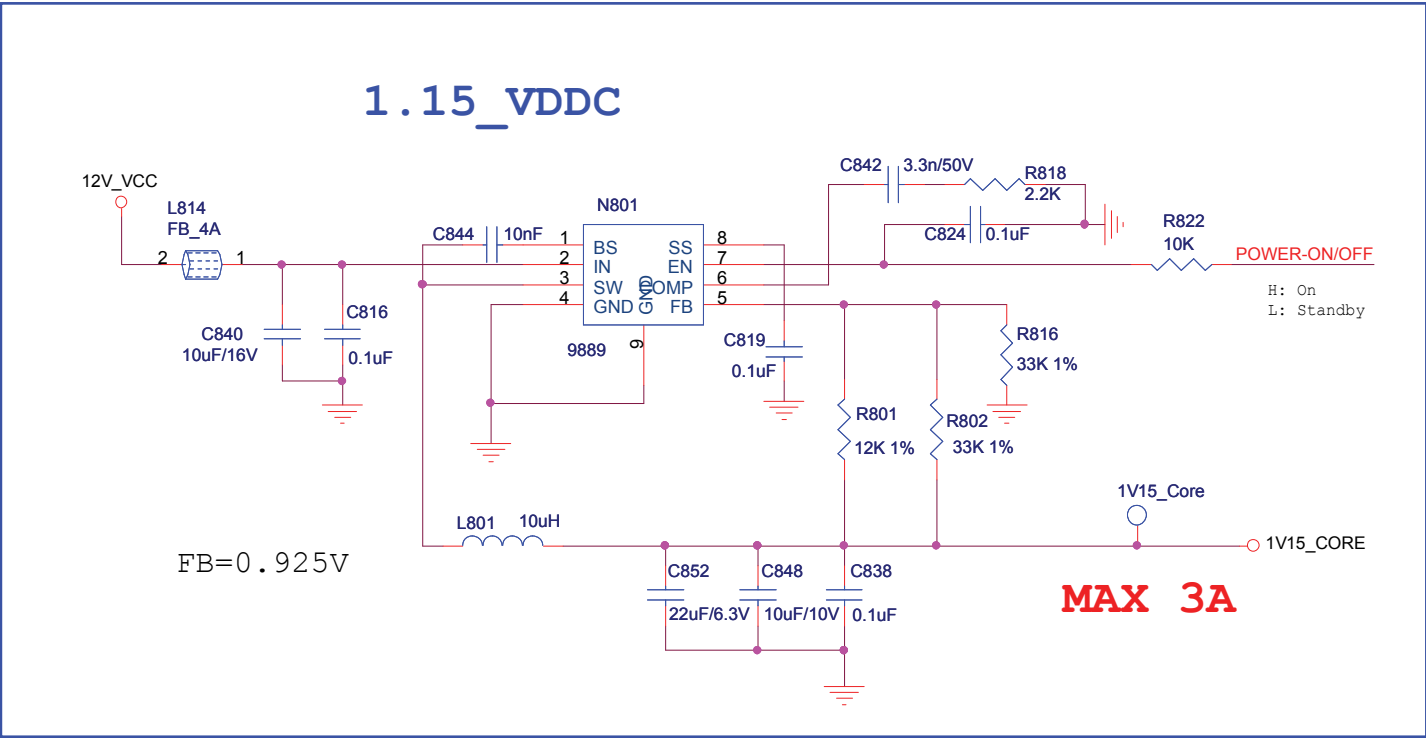
$F_o=6120/R_{rt} (K\Omega)=6120/33=185Khz$

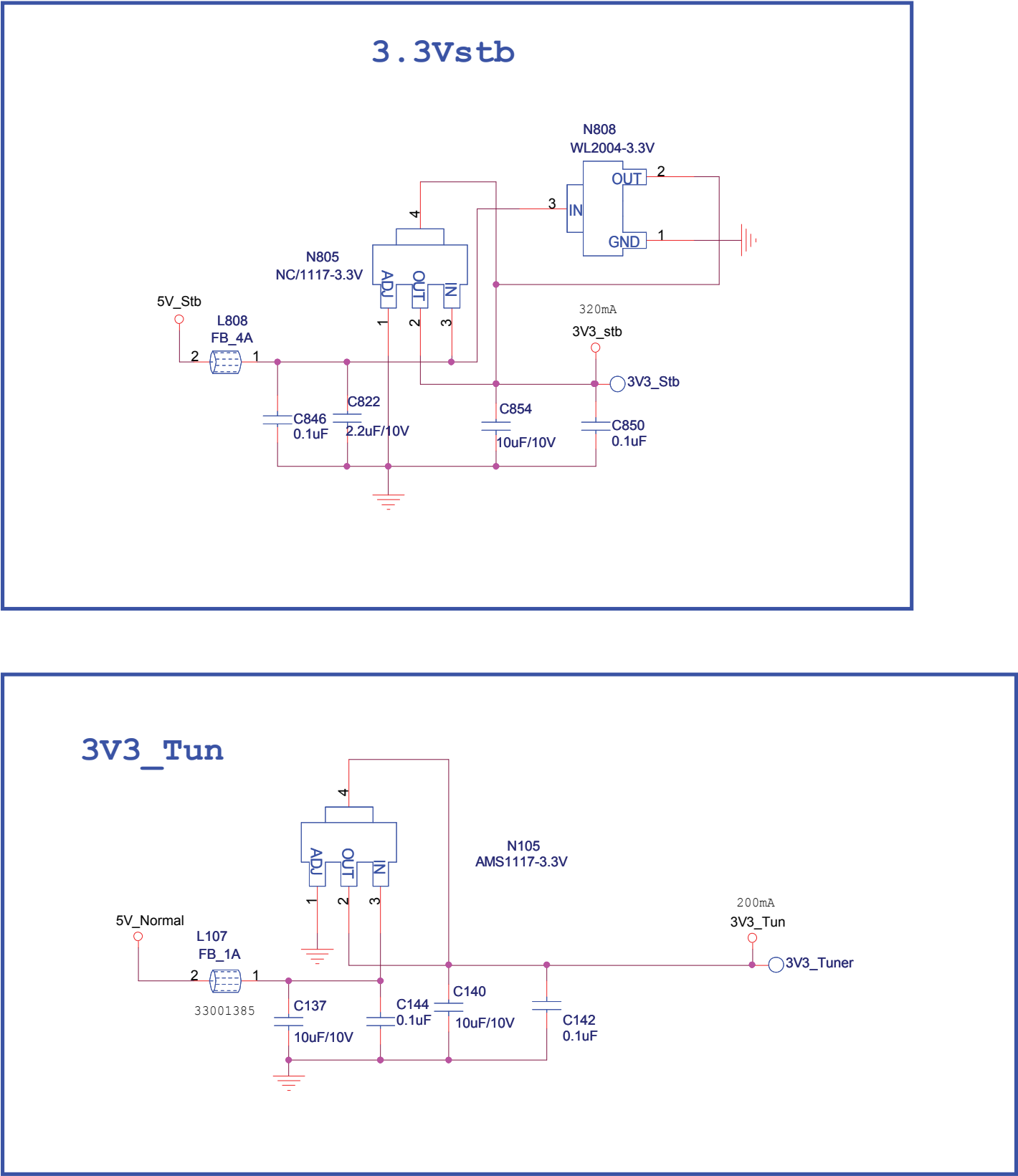
$I_{led}=300/R_{isen} (\Omega)=250mA$ $V_{adim}>1.5V$
 $I_{led}=V_{adim}/(5*R_{isen})$ $V_{adim}<1.5V$

UVLS=75V
OVP=190V

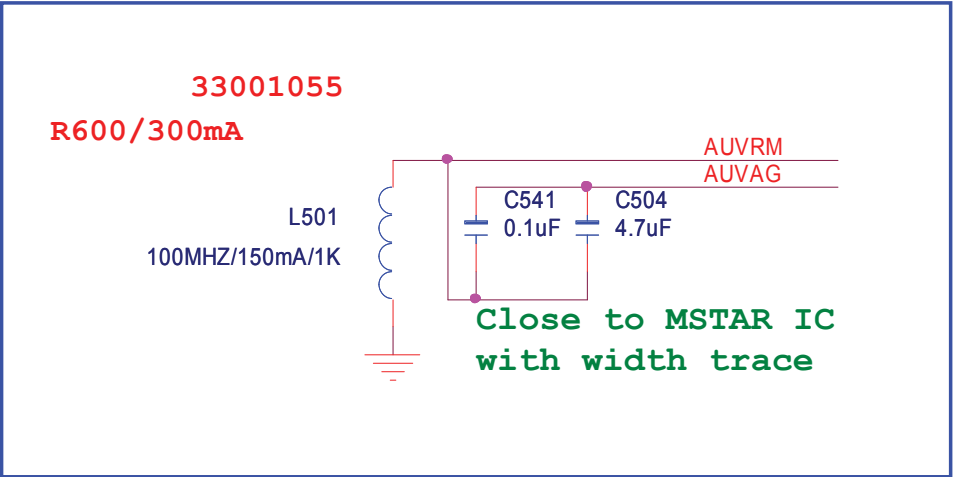
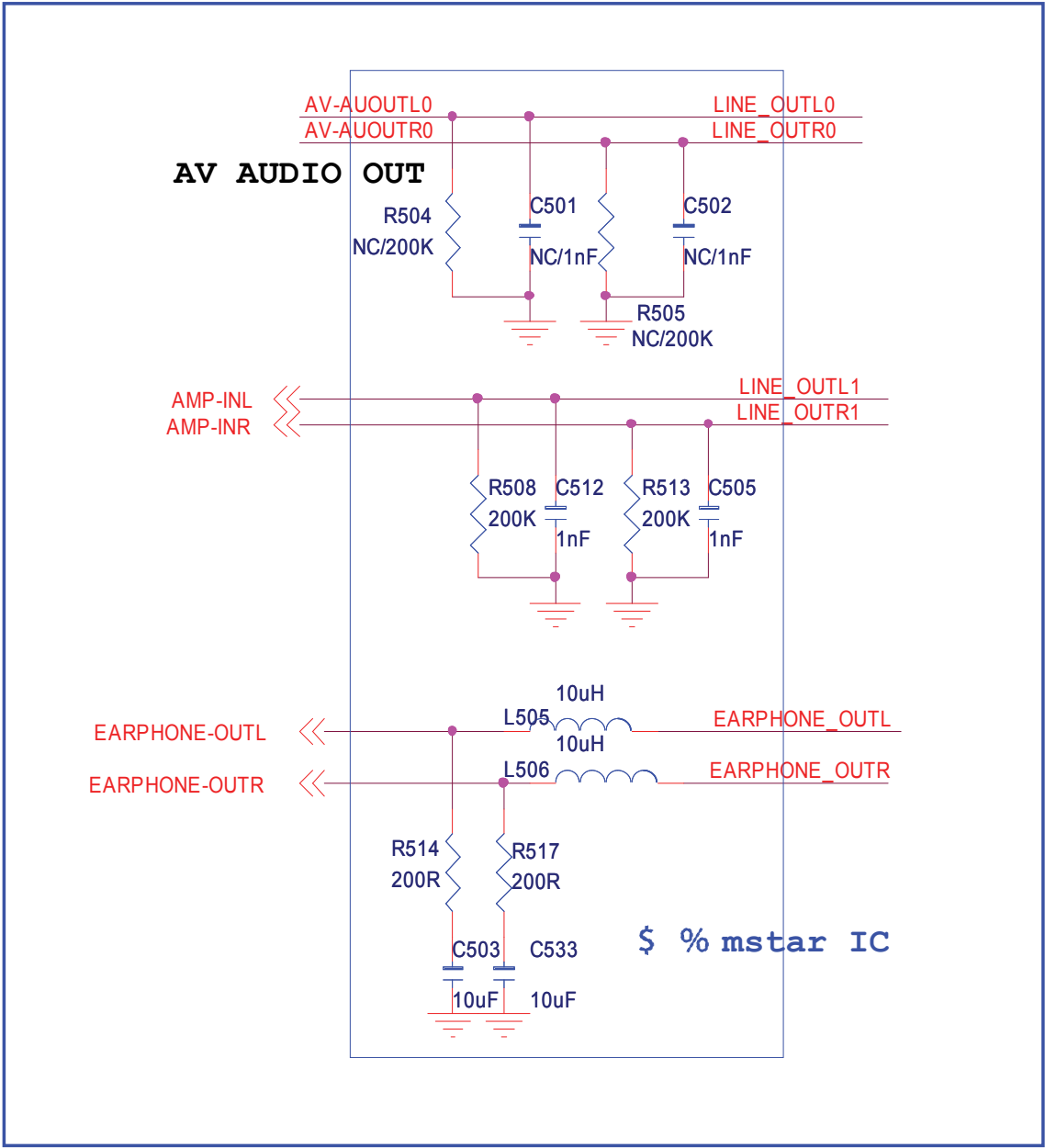




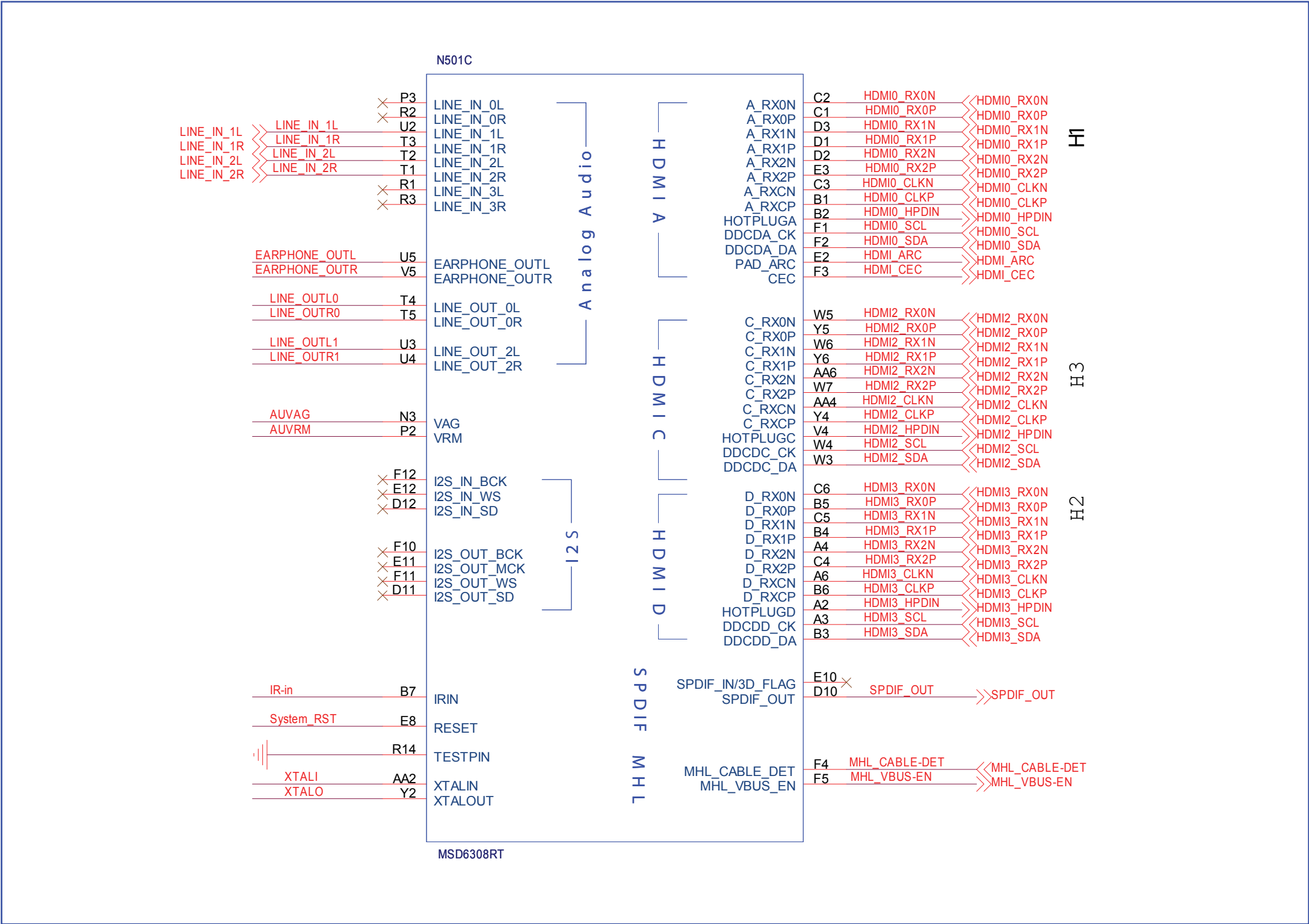




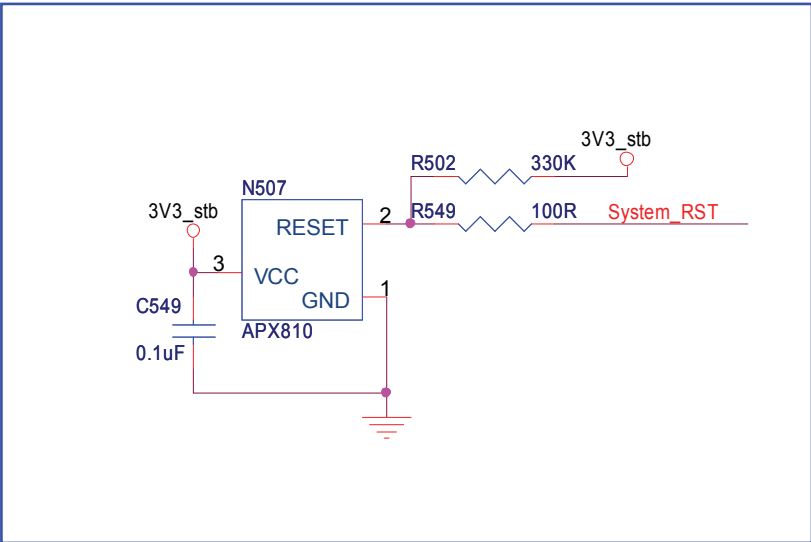
Audio Line Out



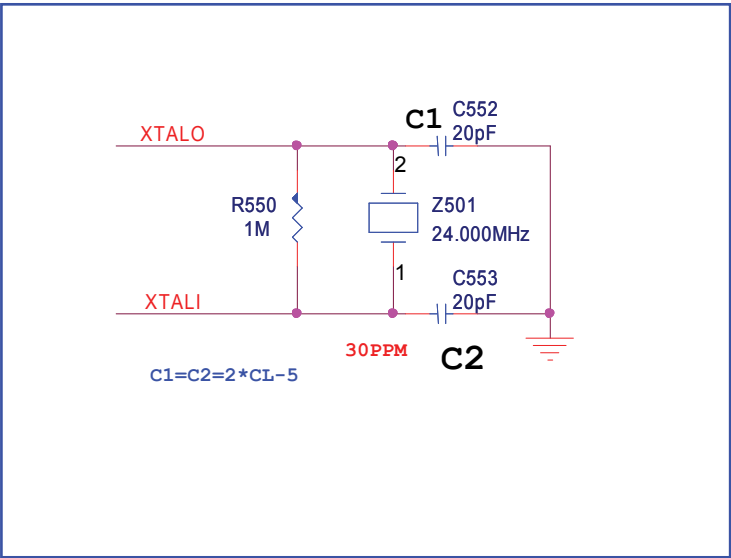
HDMI & Audio



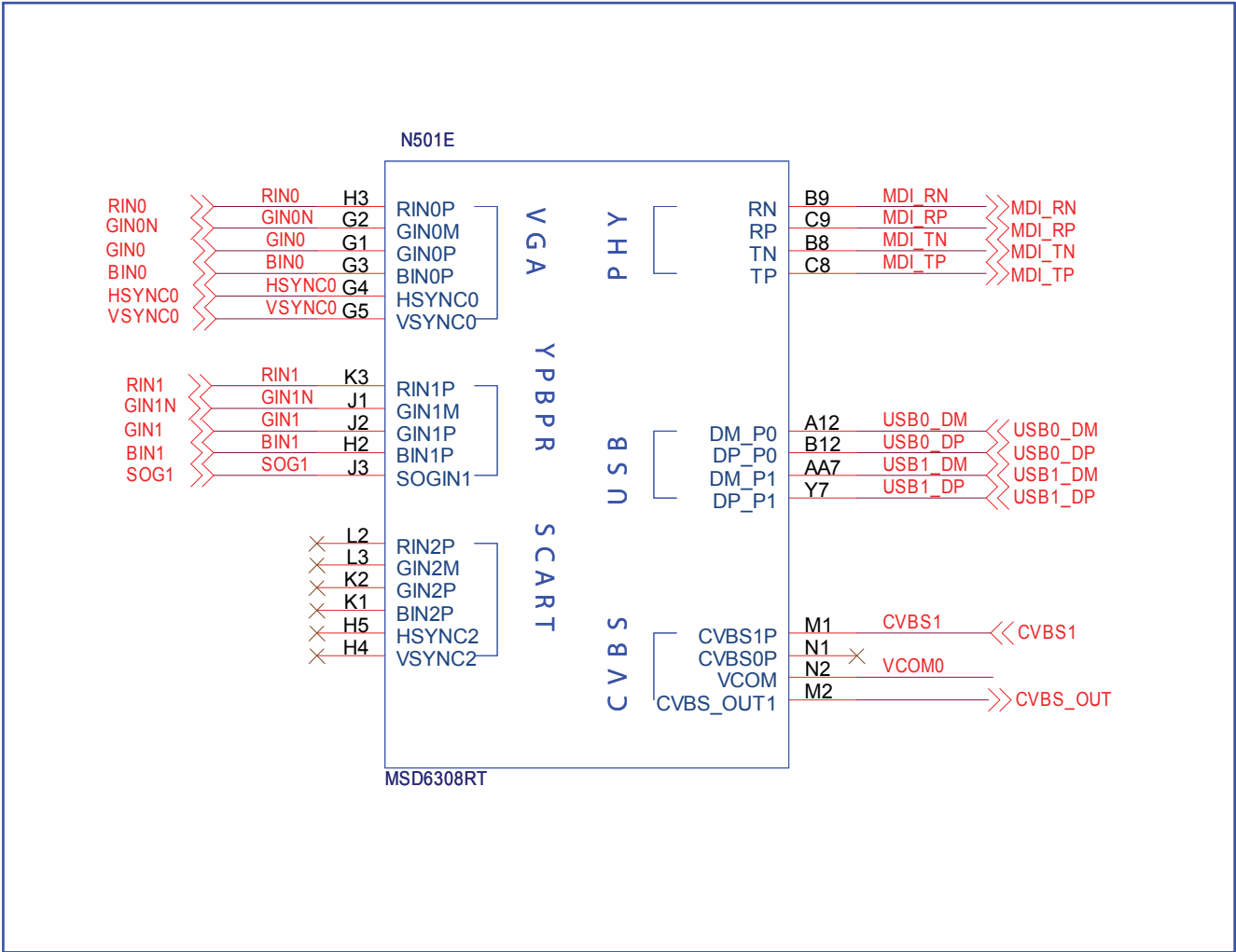
RESET



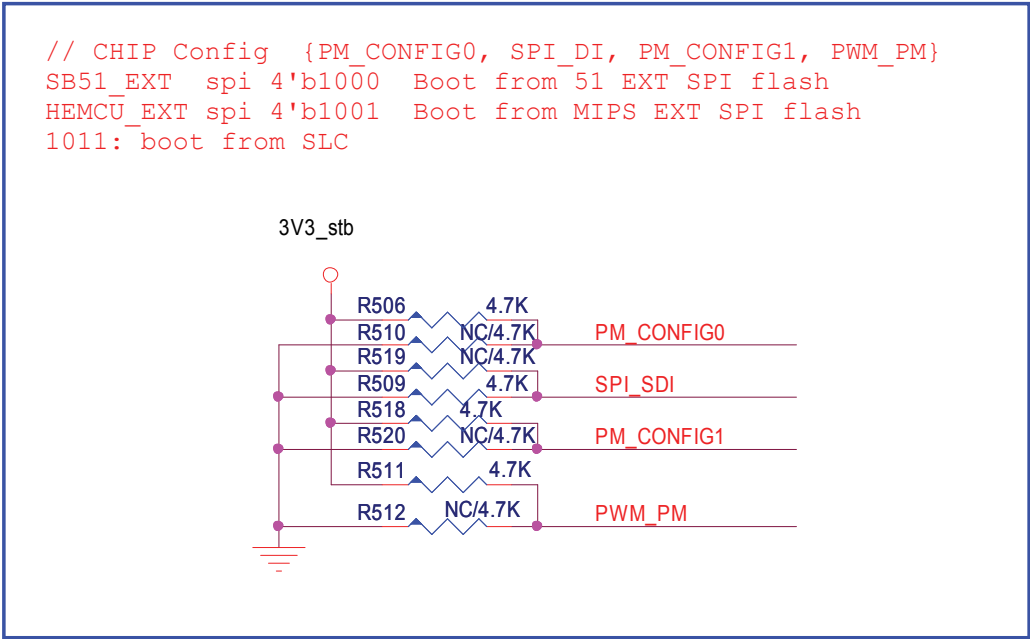
Crystal



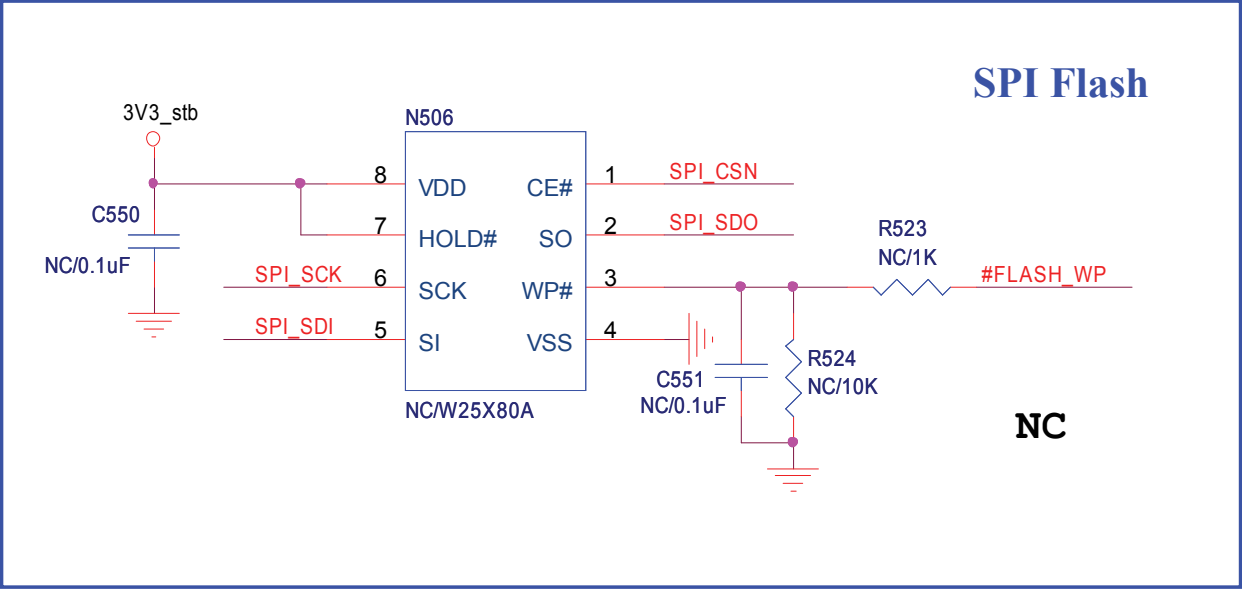
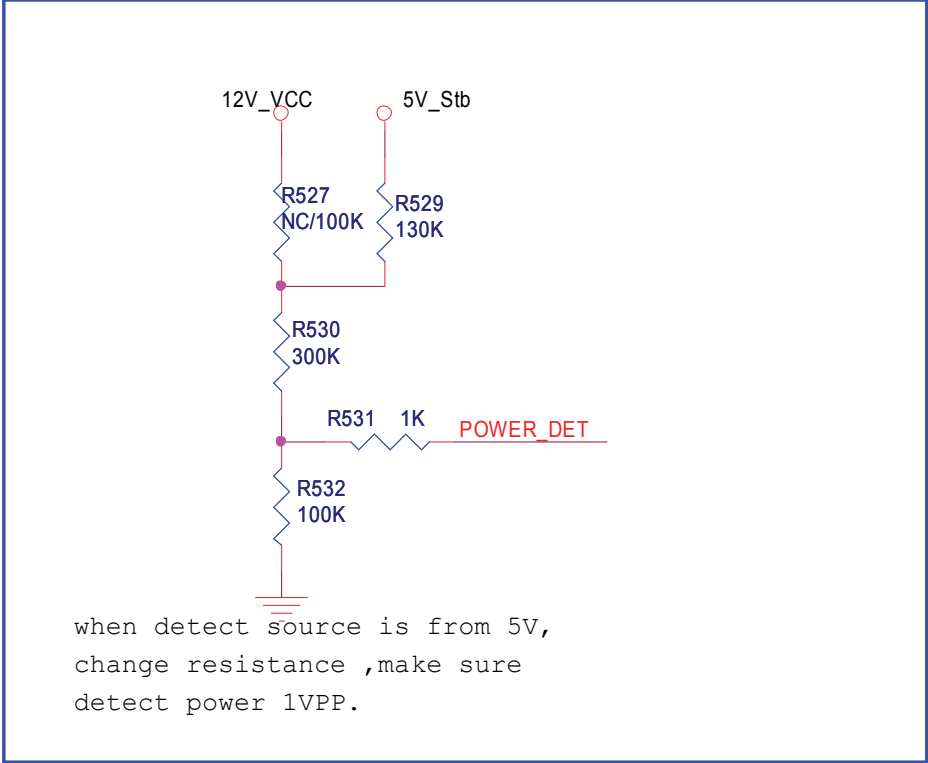
Video



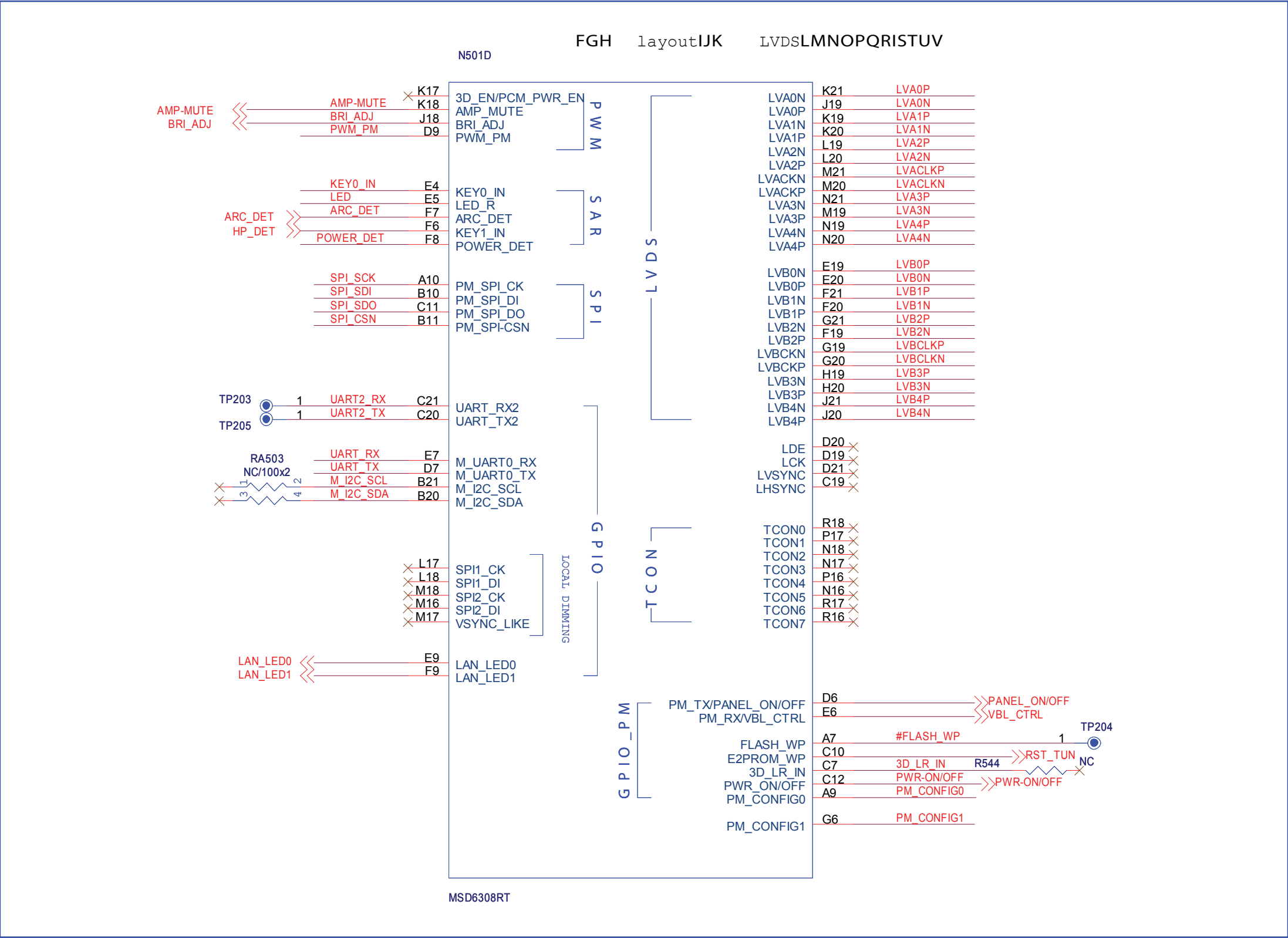
Mode Selection



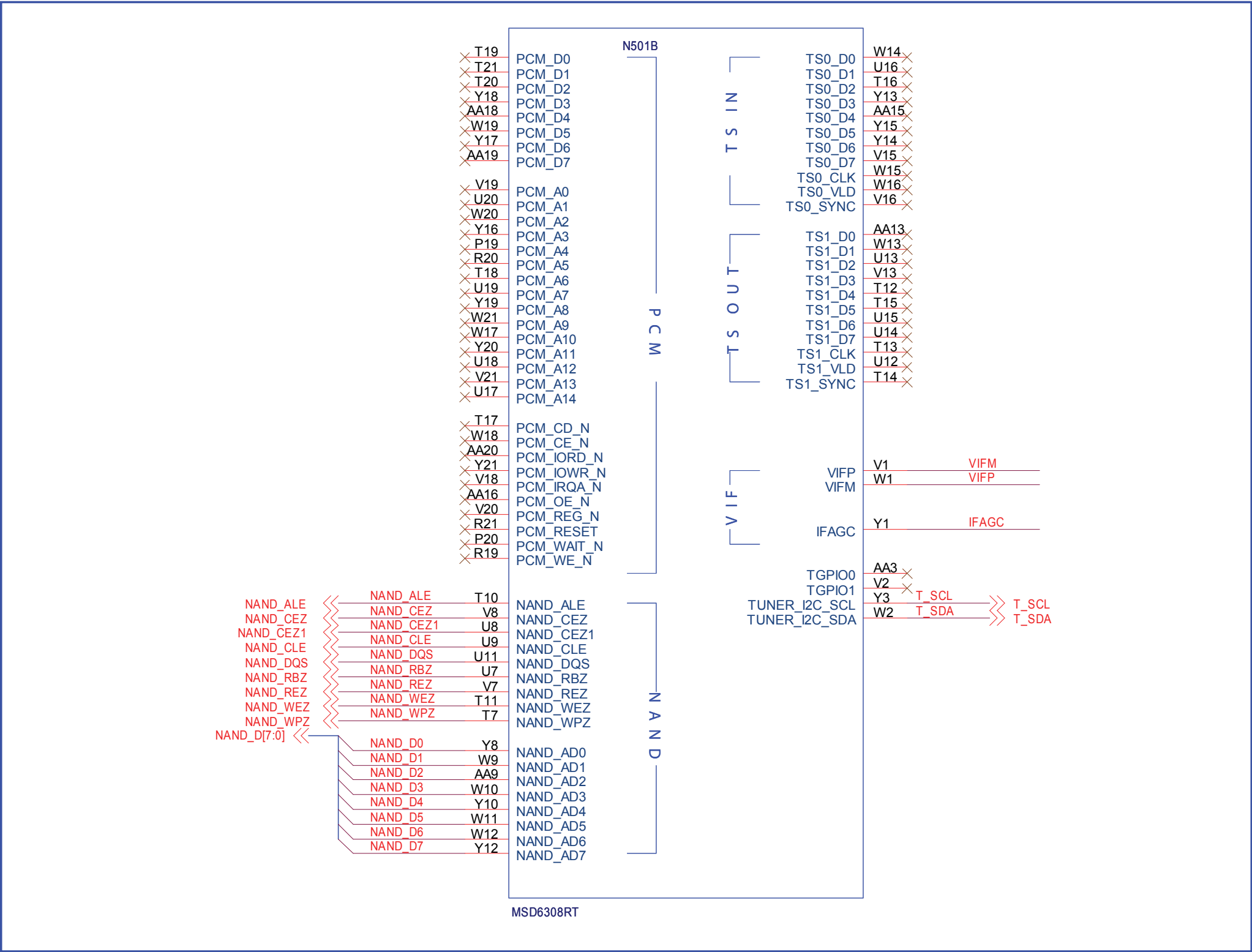
Detect Nand Flash Power

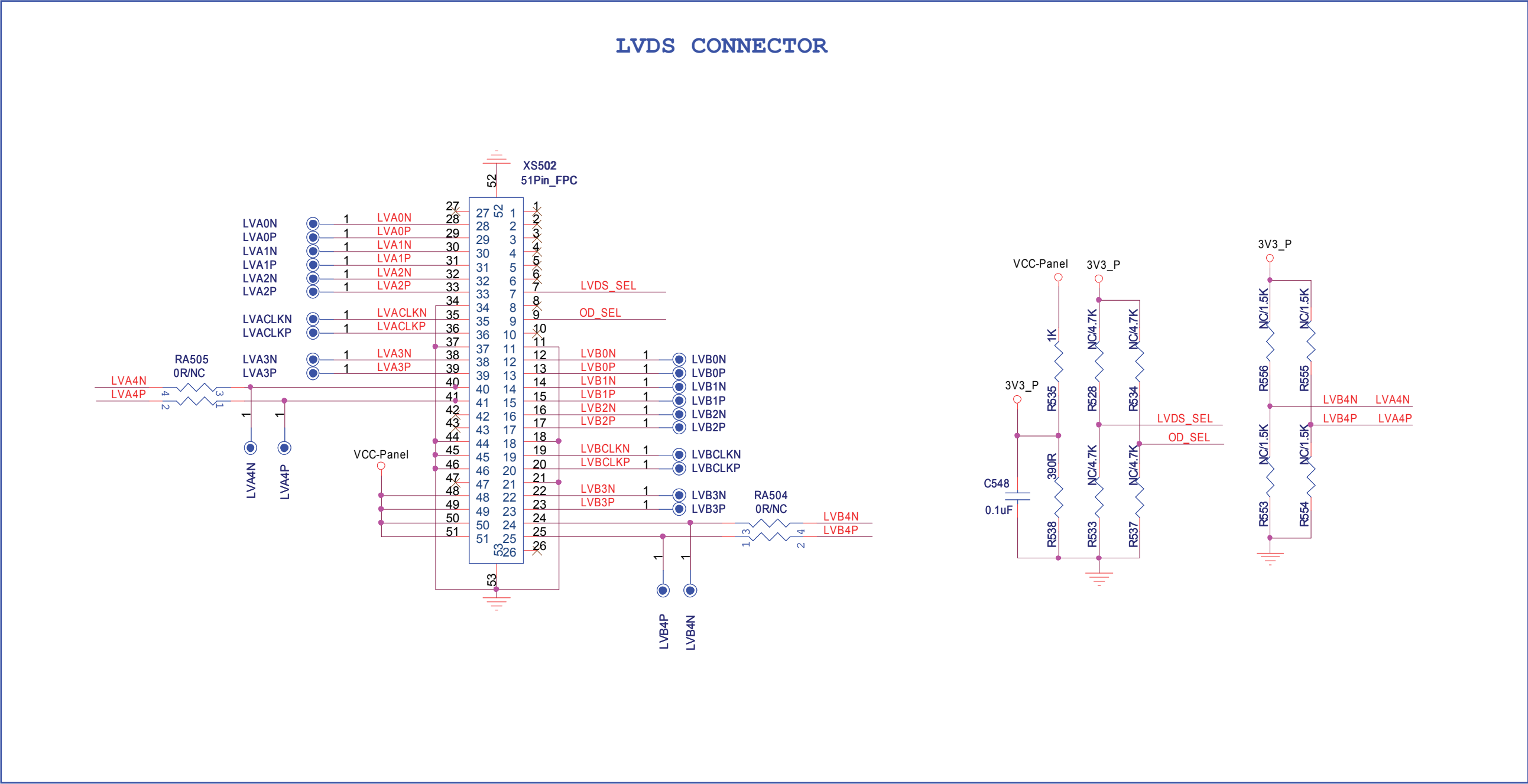


GPIO & LVDS

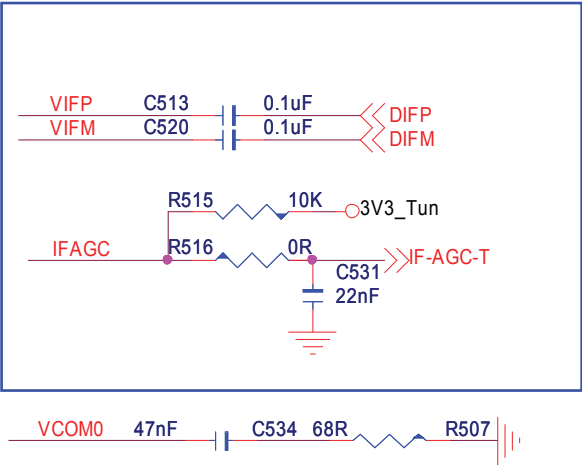


NAND & TS & Front End

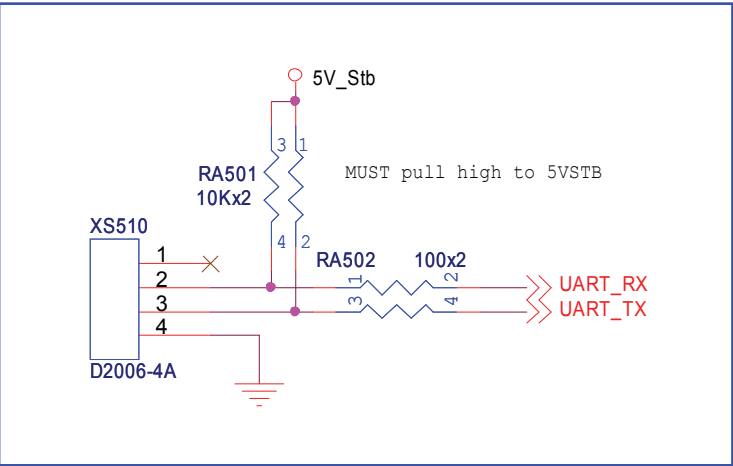




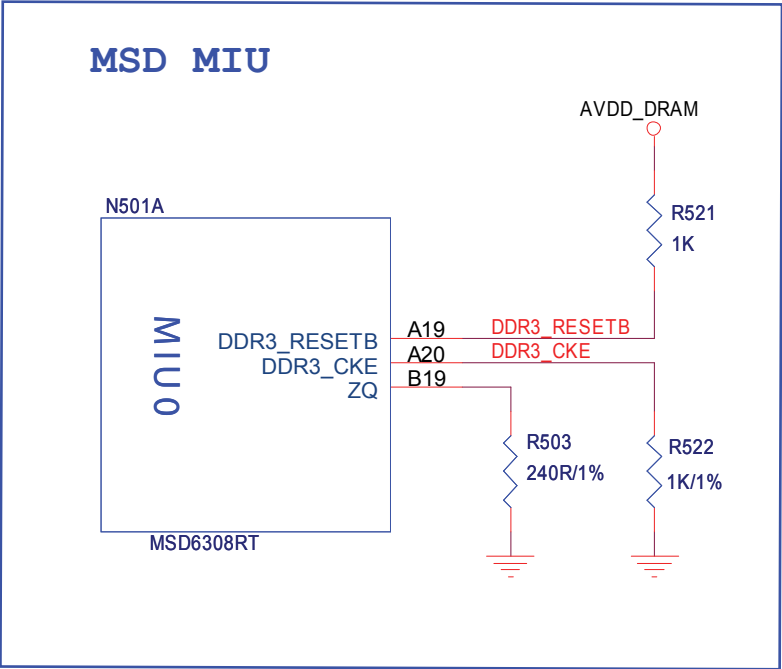
RF



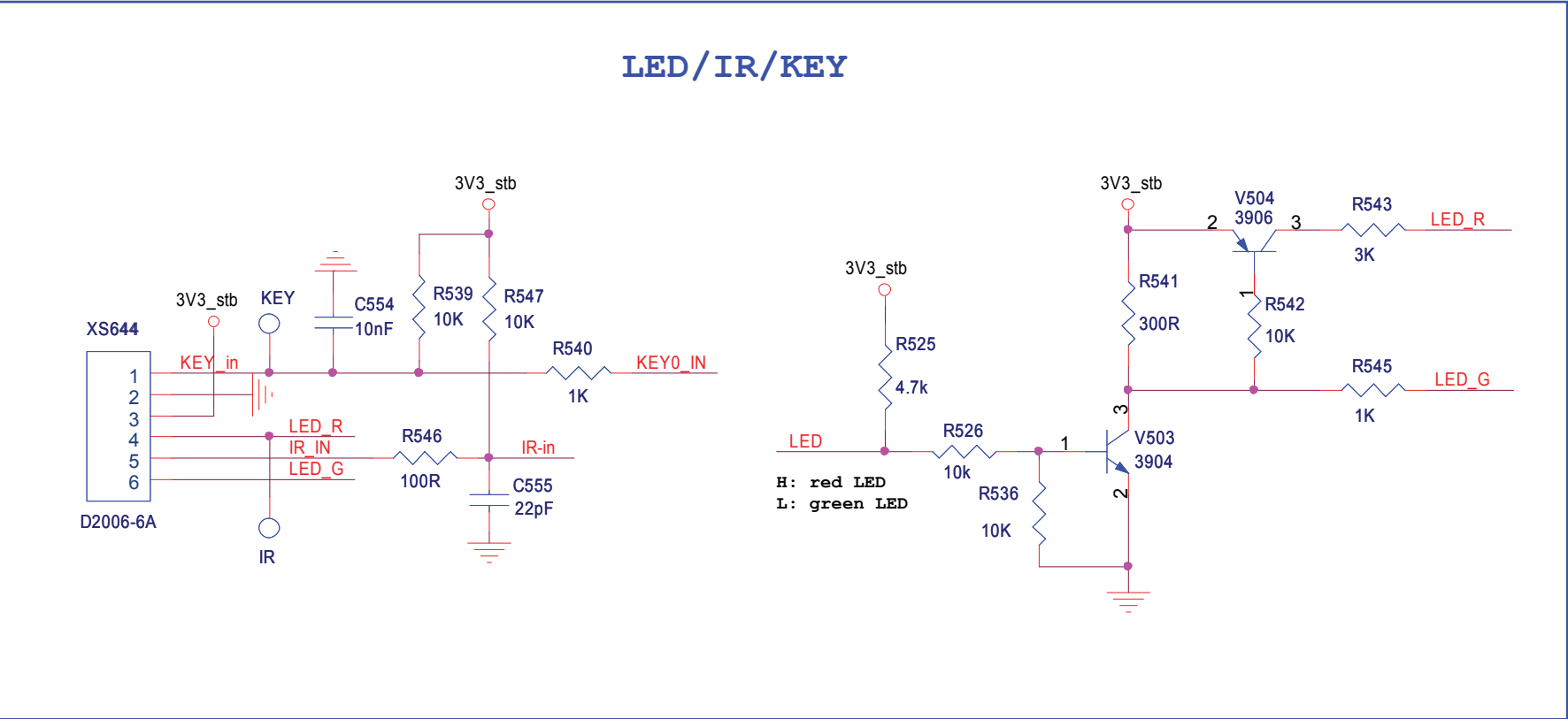
Debug port



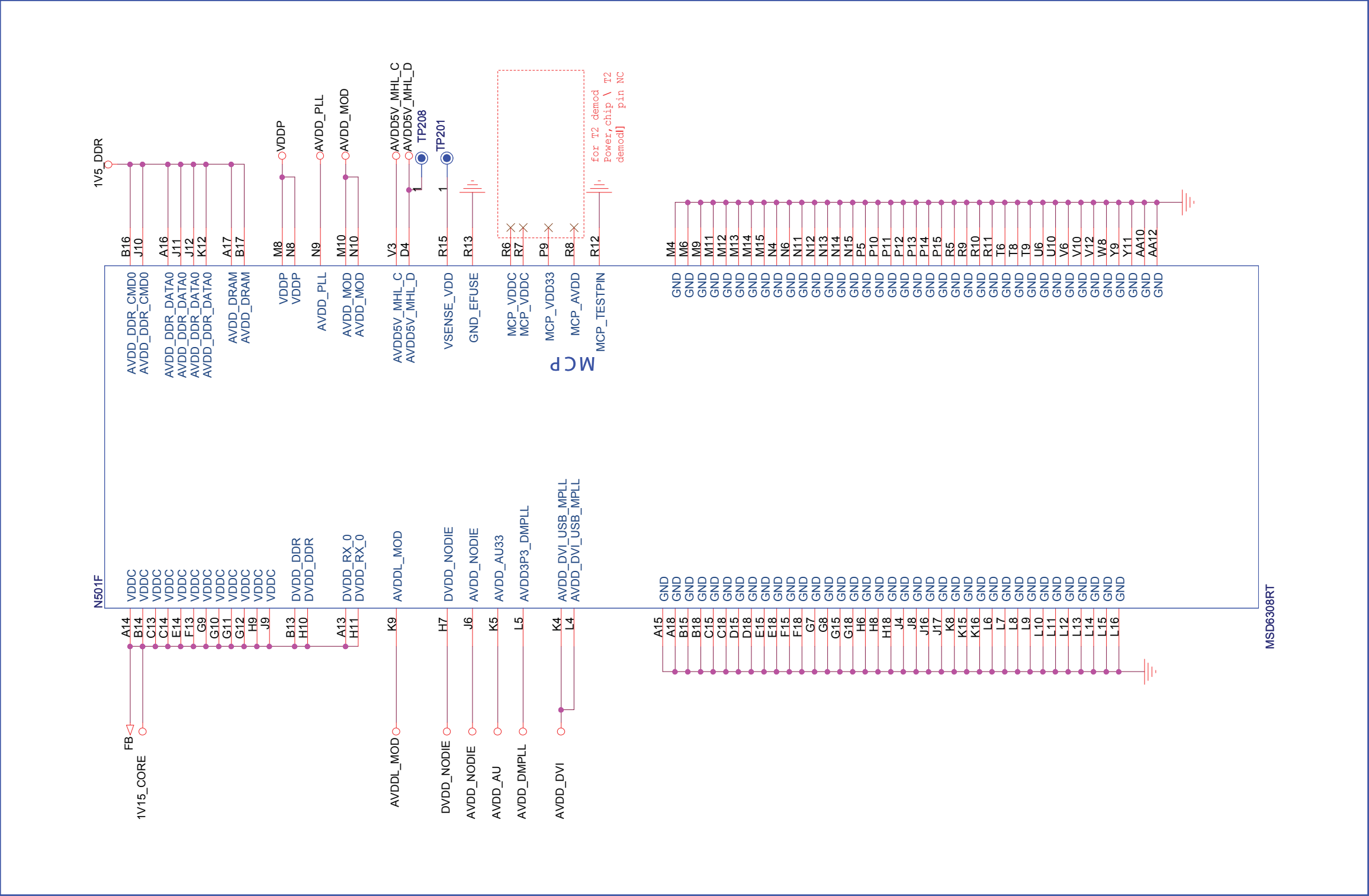
MSD MIU



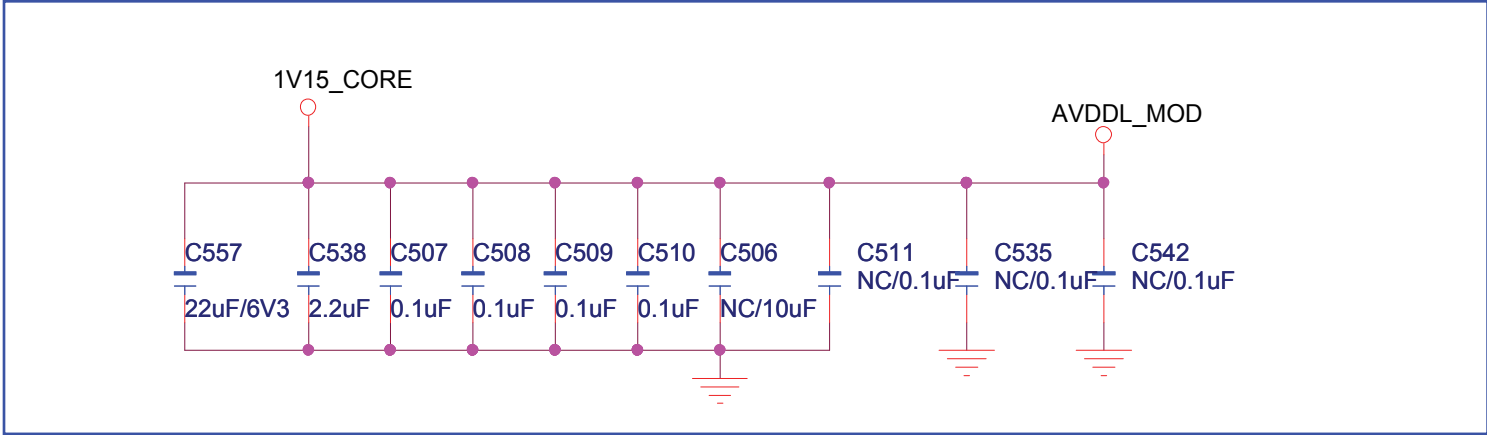
LED/IR/KEY



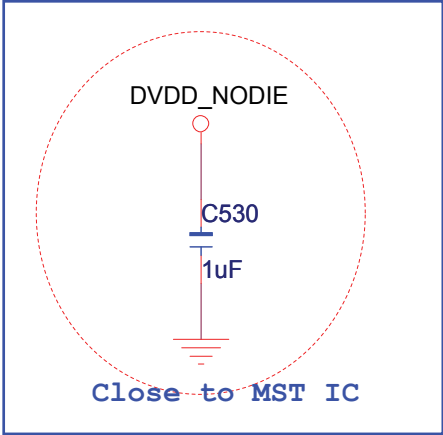
POWER&GND



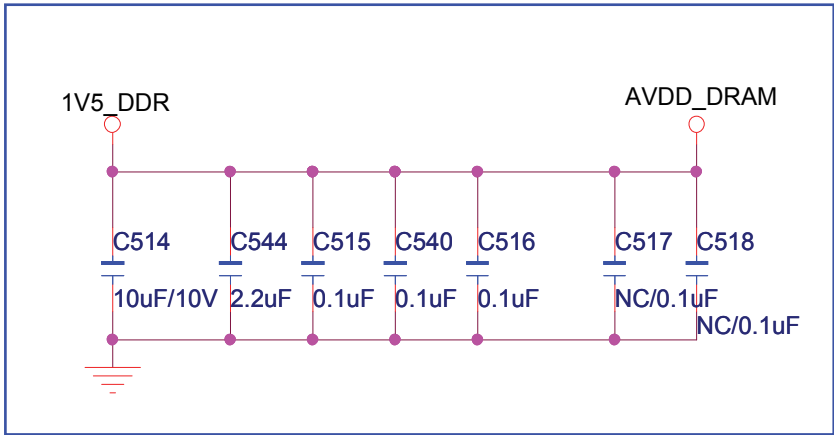
CORE POWER



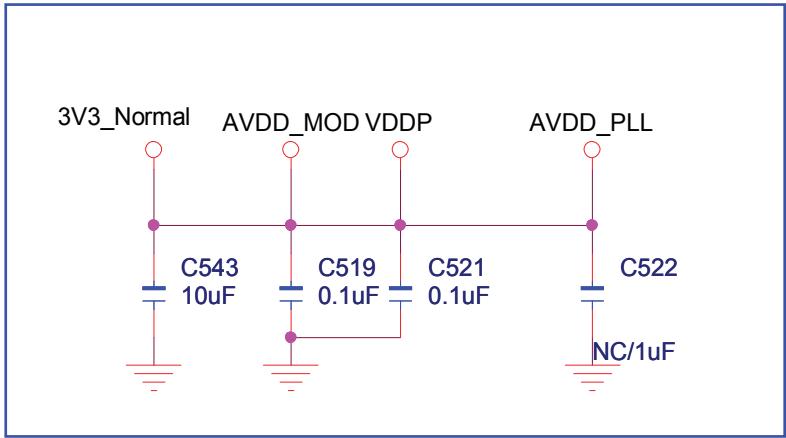
nodie



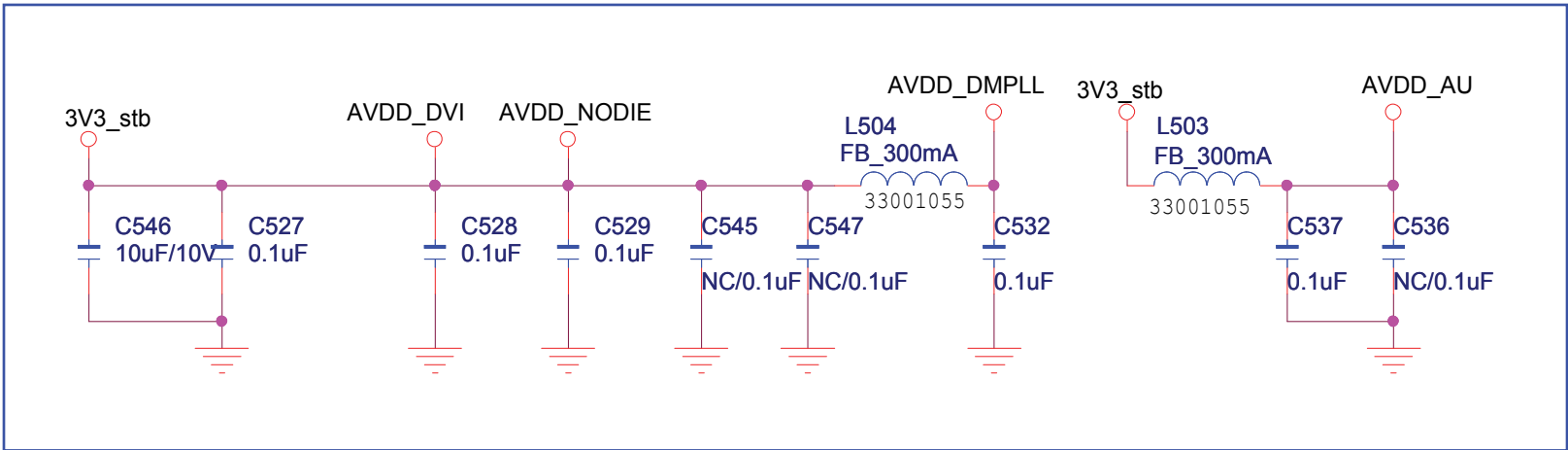
DDR3 POWER



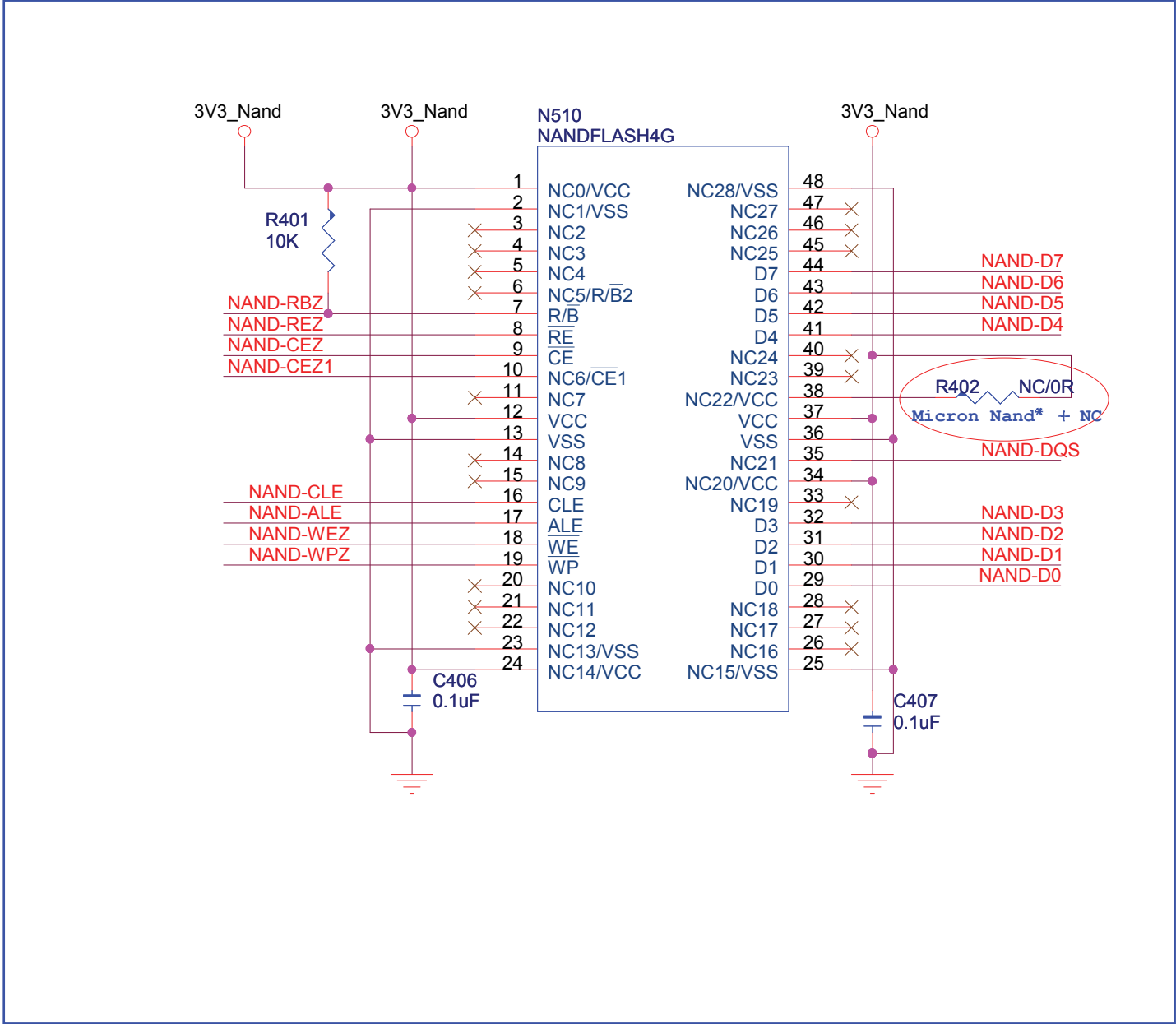
Normal Power 3.3V



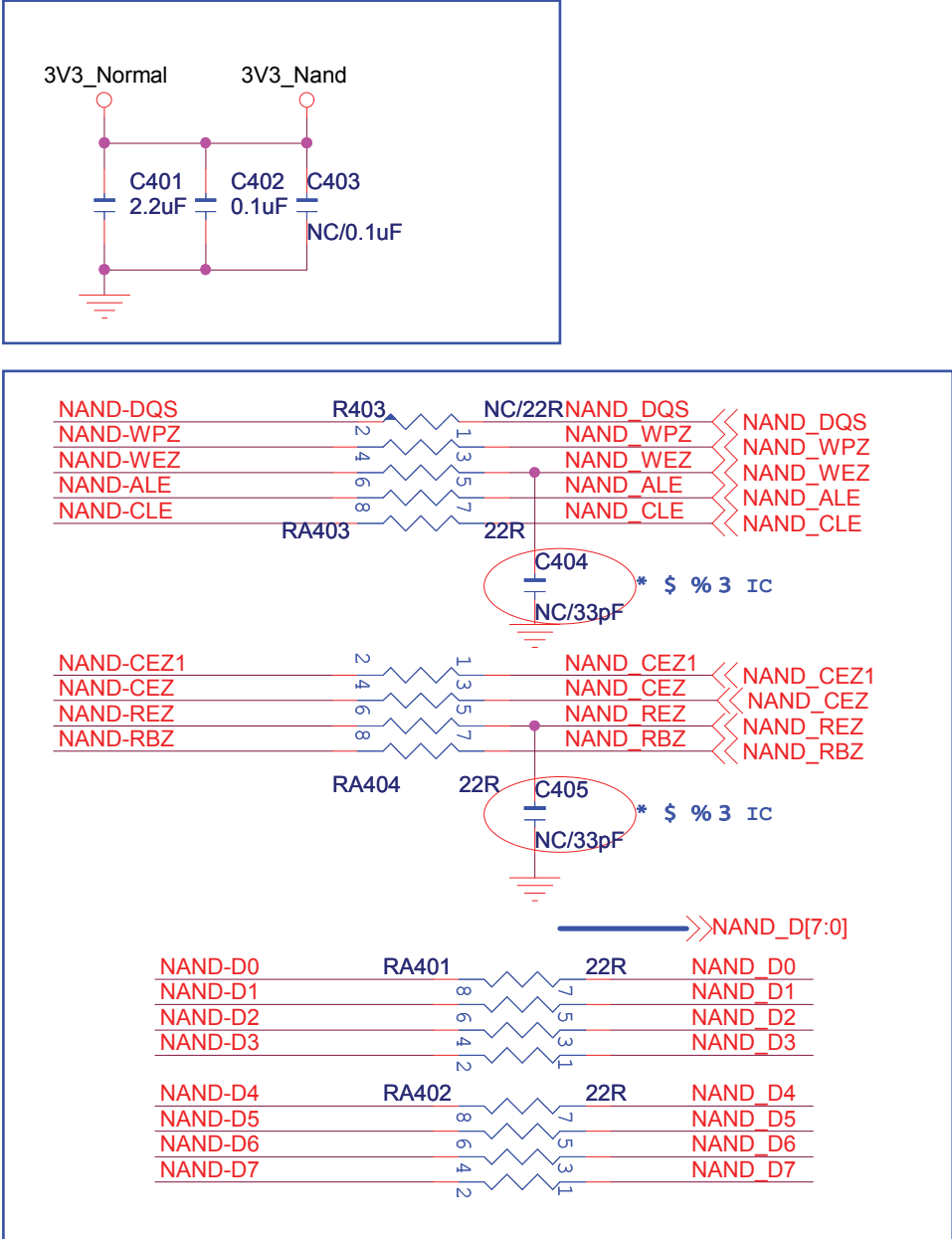
Standby Power 3.3V

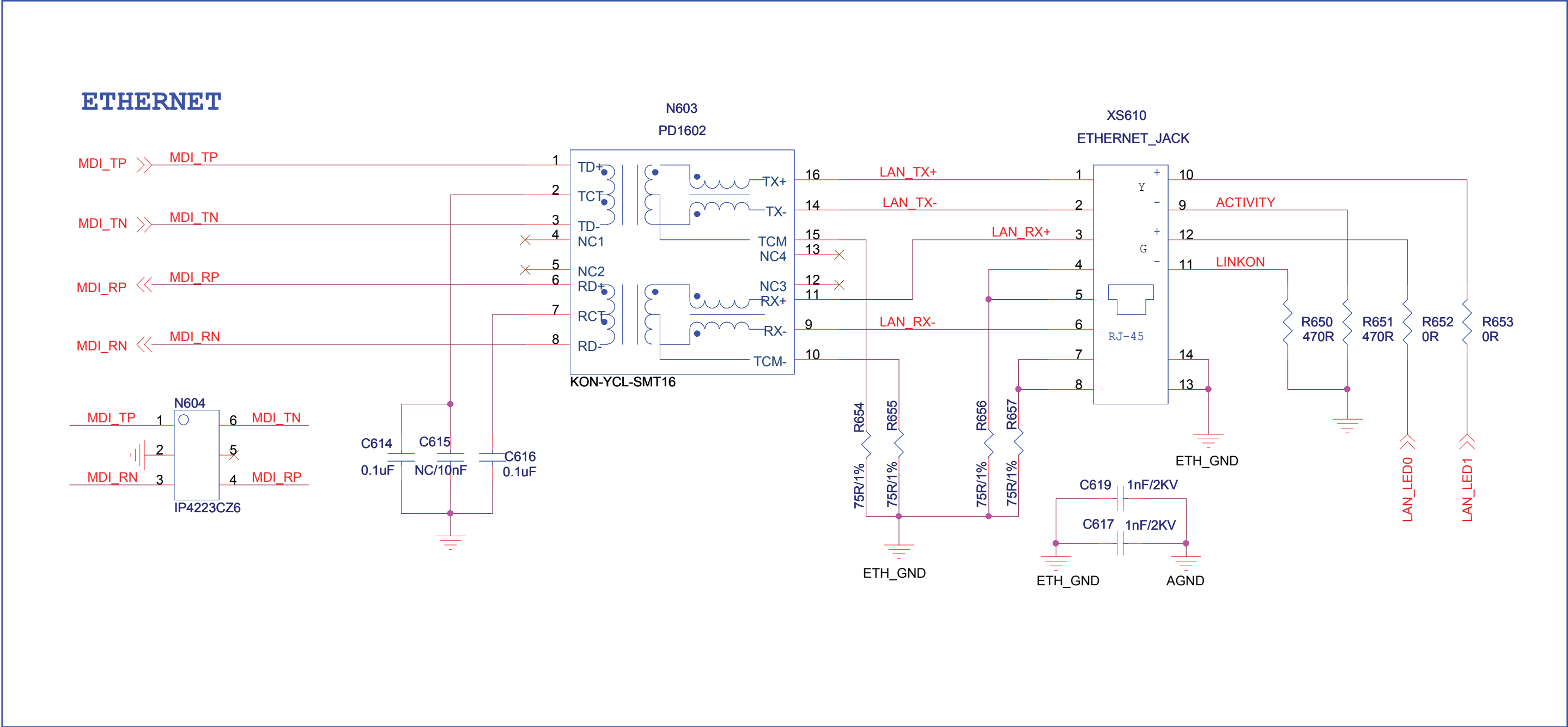


NAND FLASH

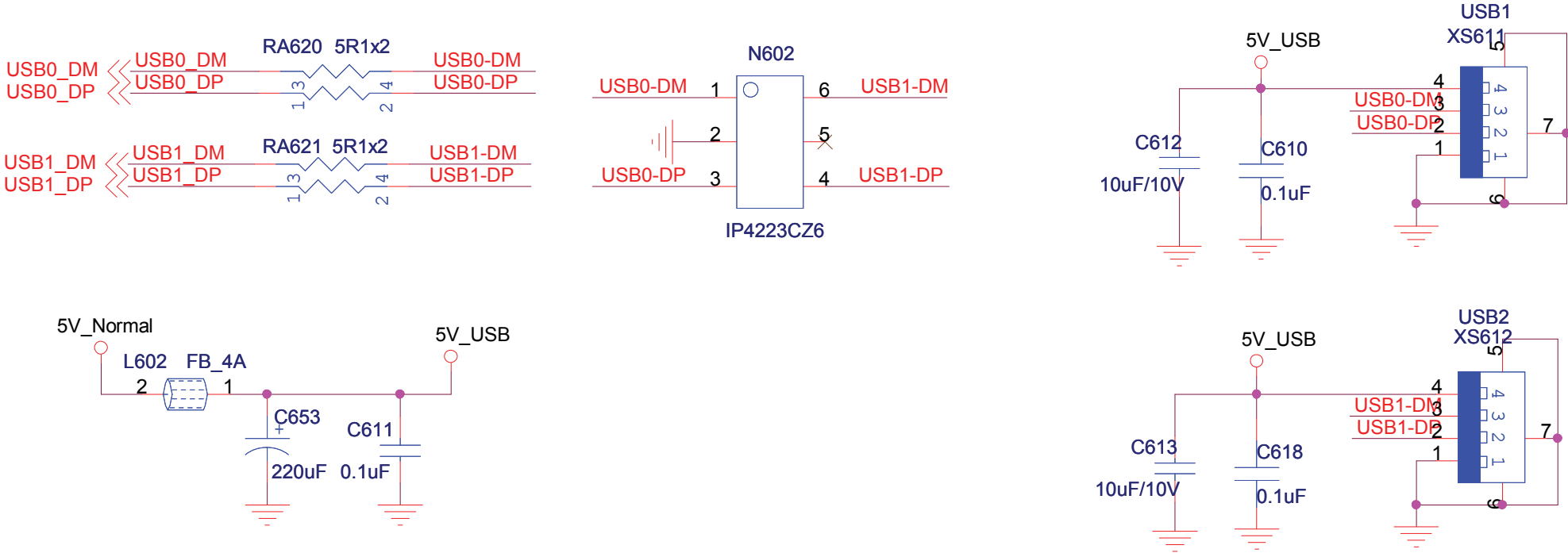


NAND Power

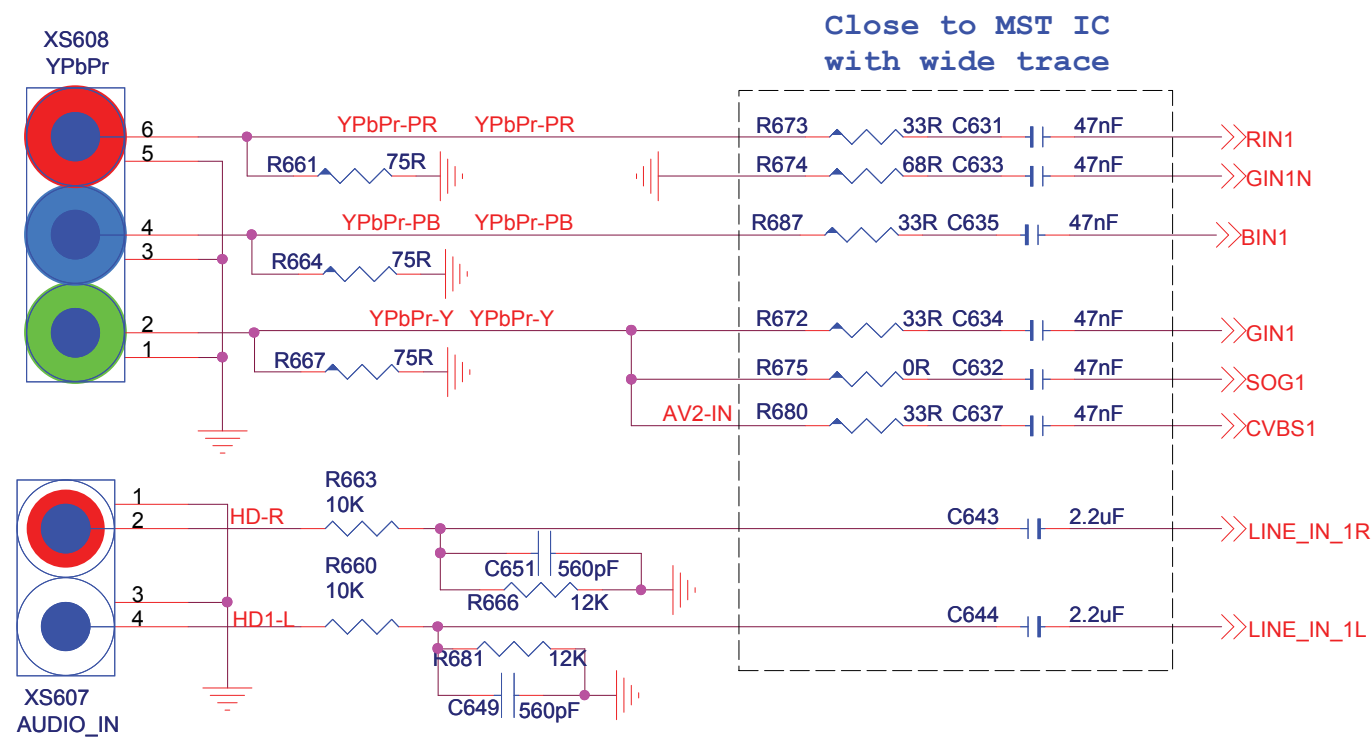




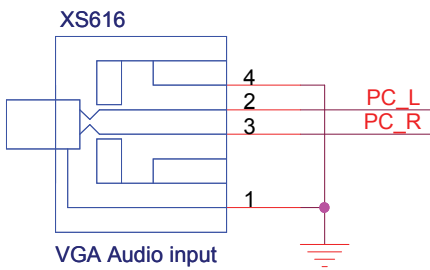
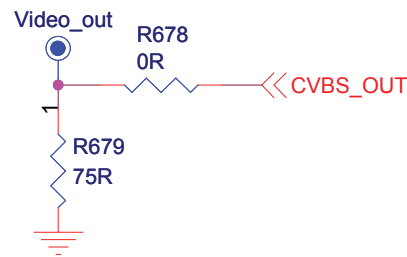
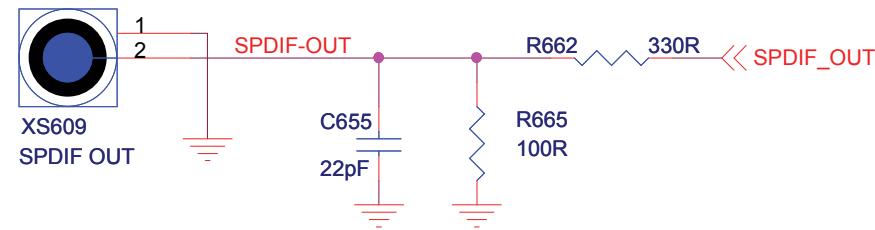
USB

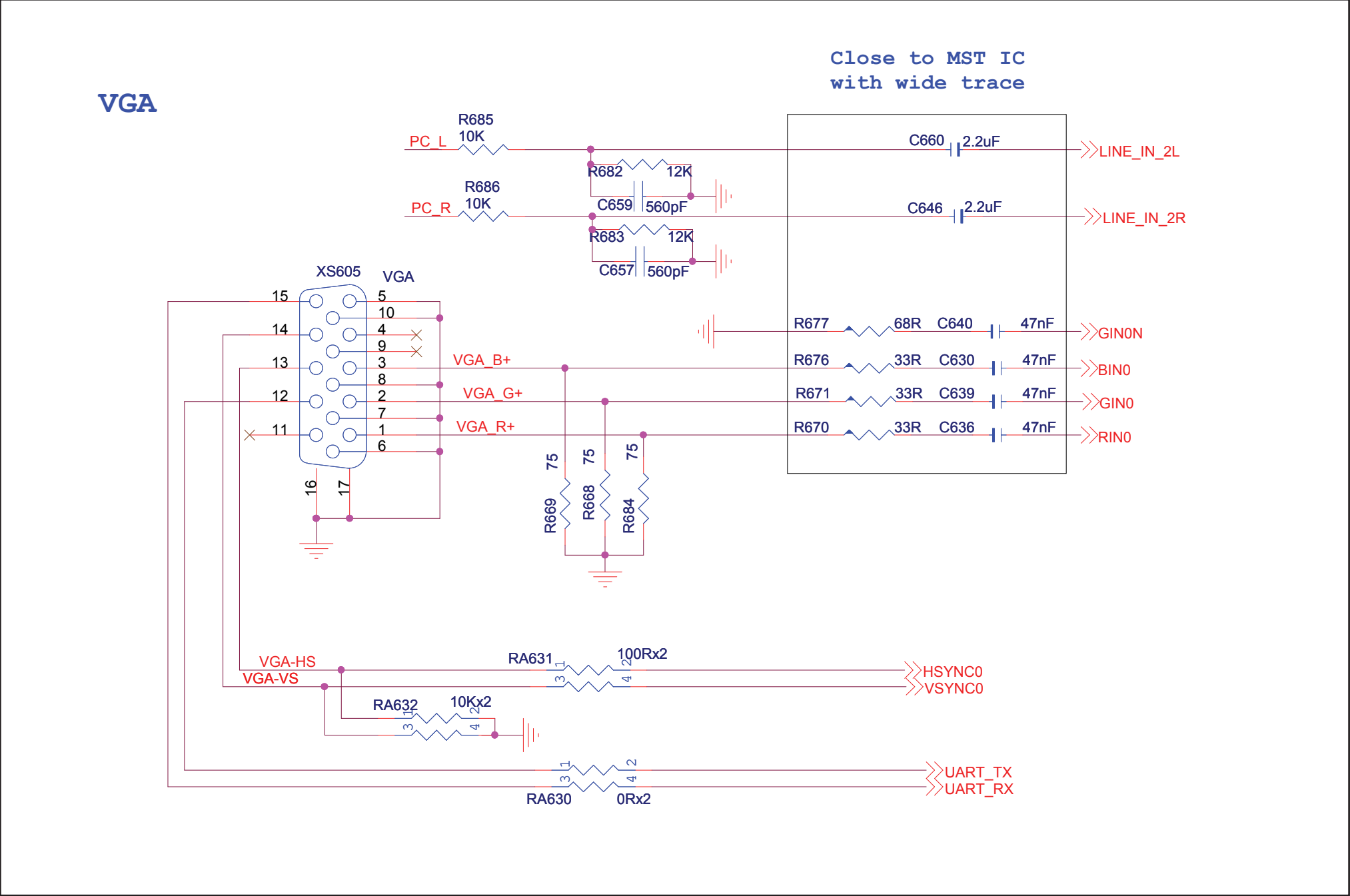


YPbPr in

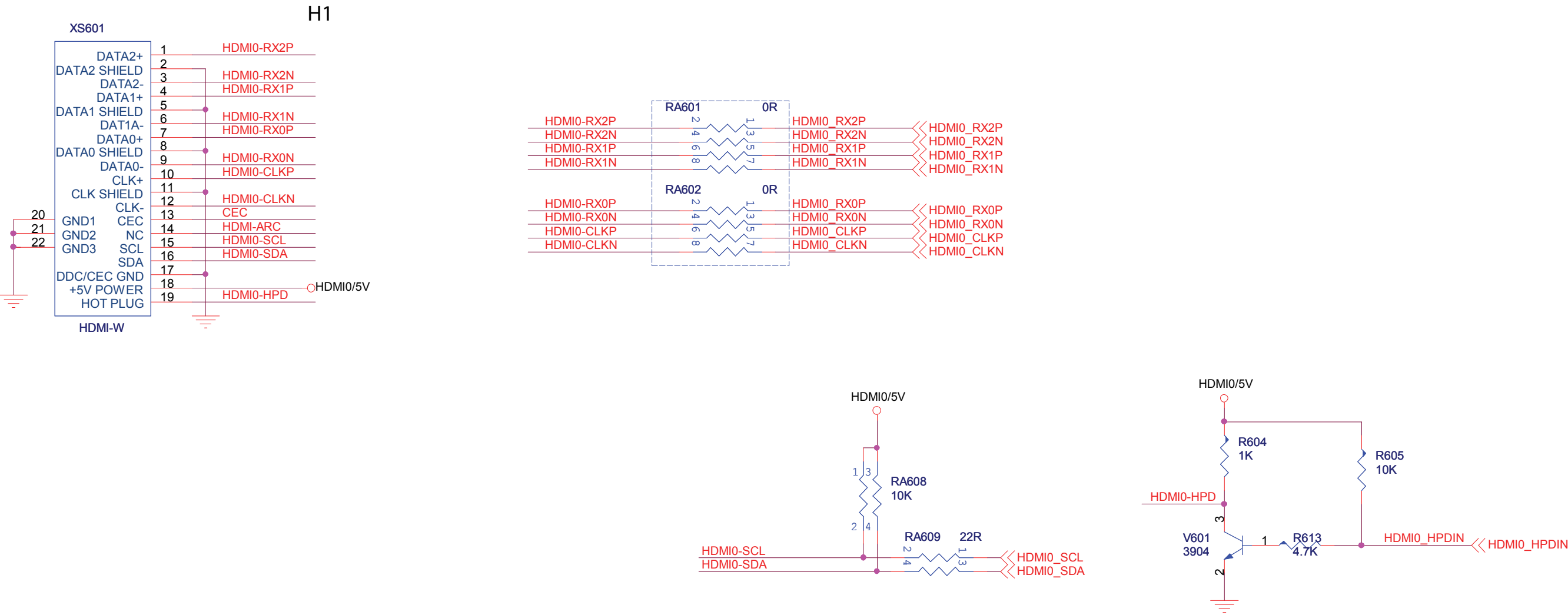


SPDIF OUT



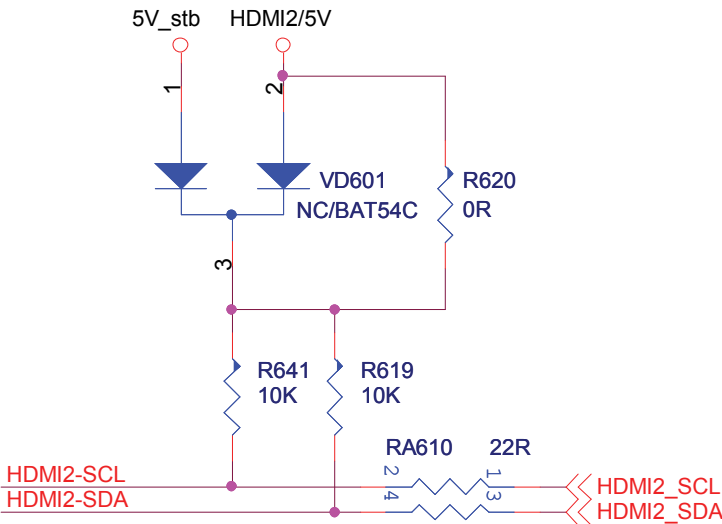
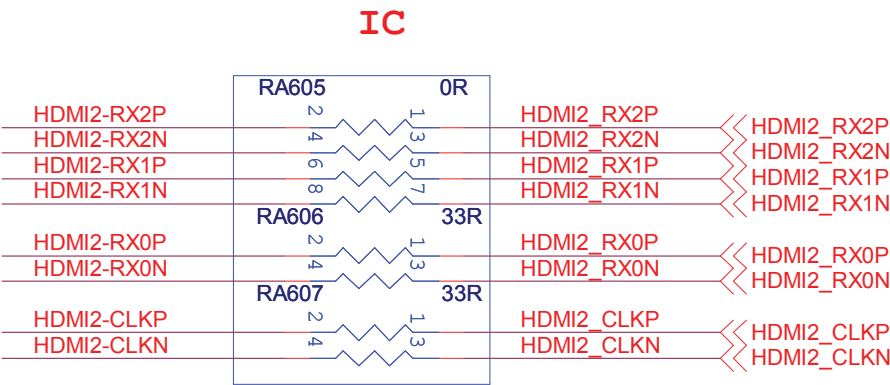
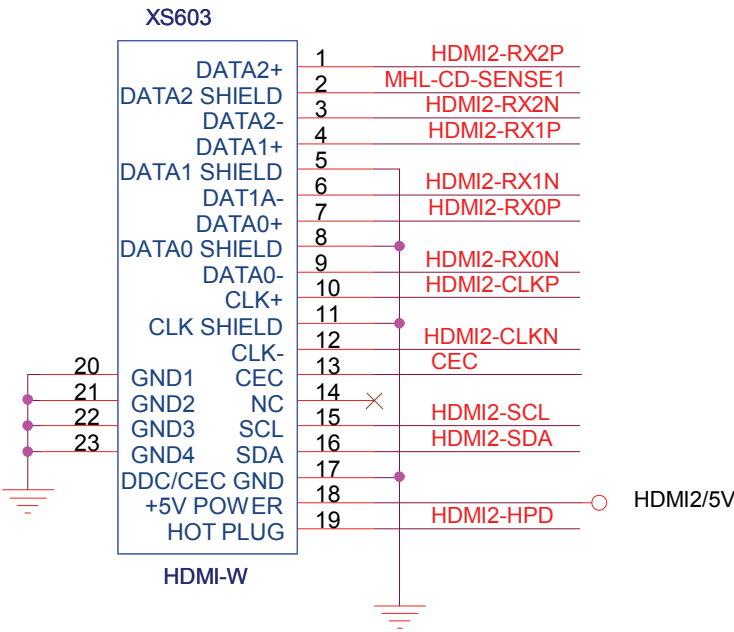


HDMI 1 @ARC



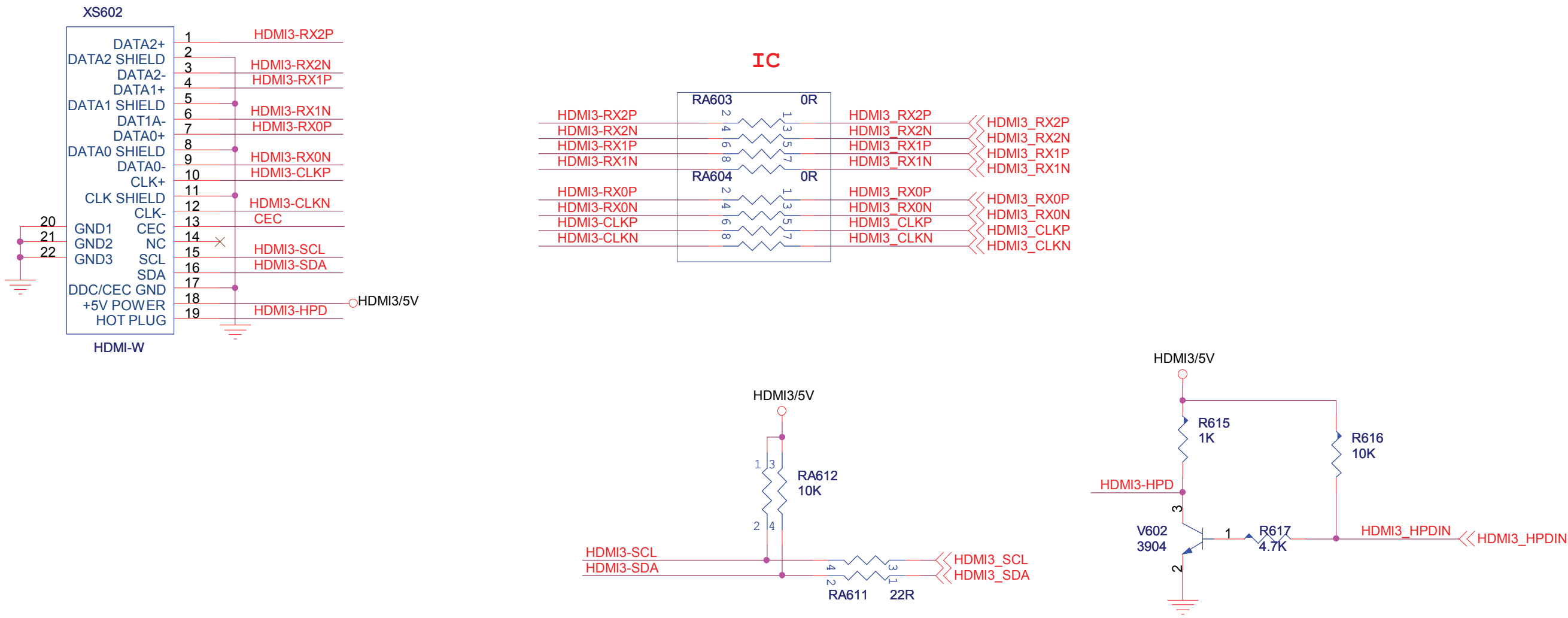
HDMI 3@MHL

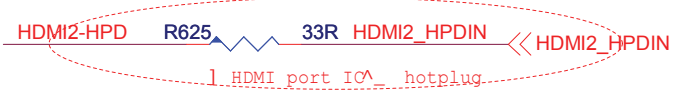
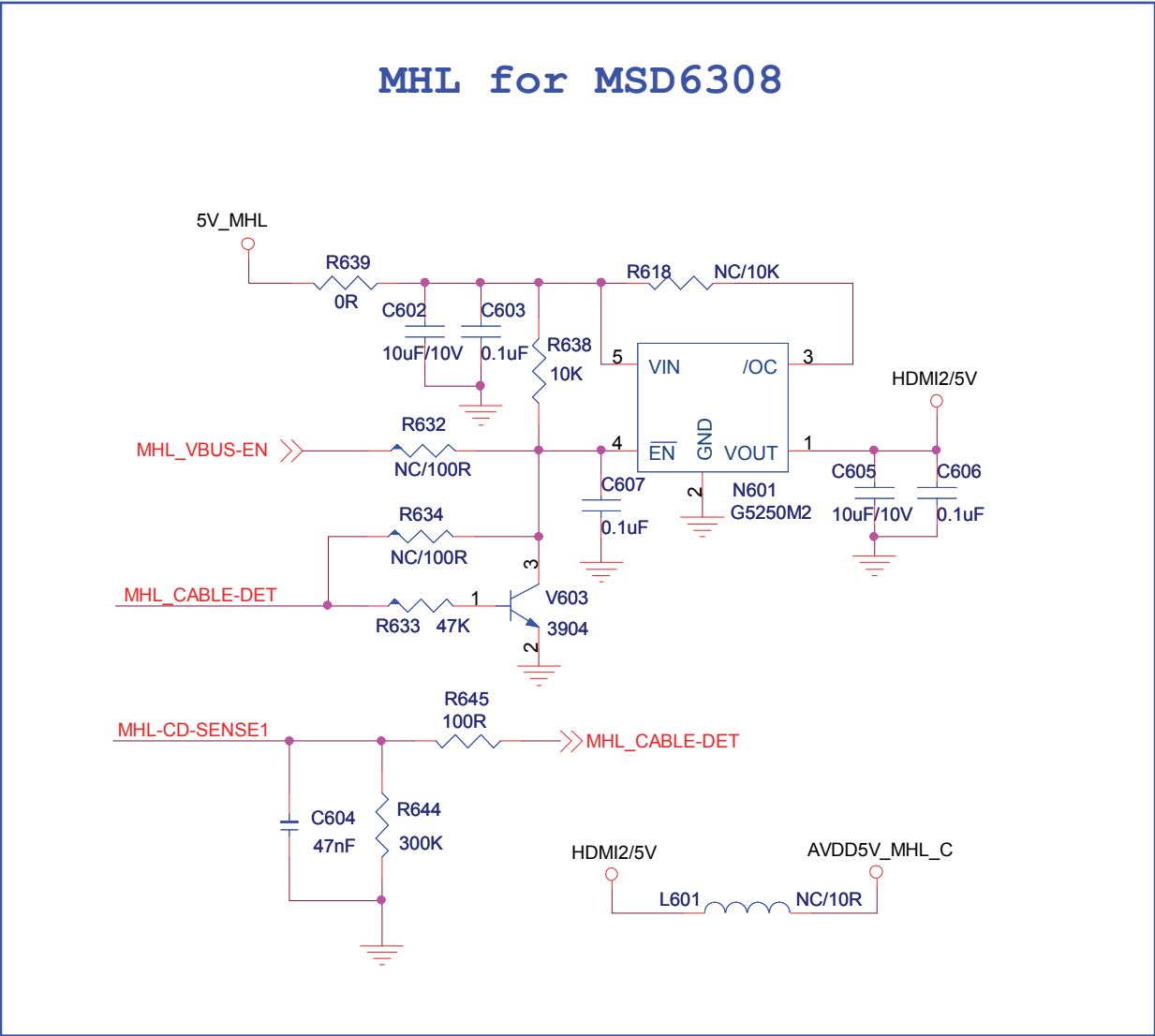
H3



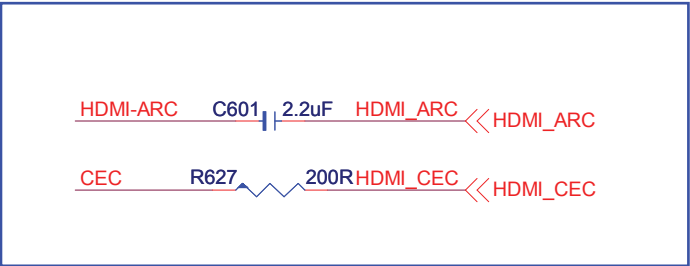
HDMI 2

H2

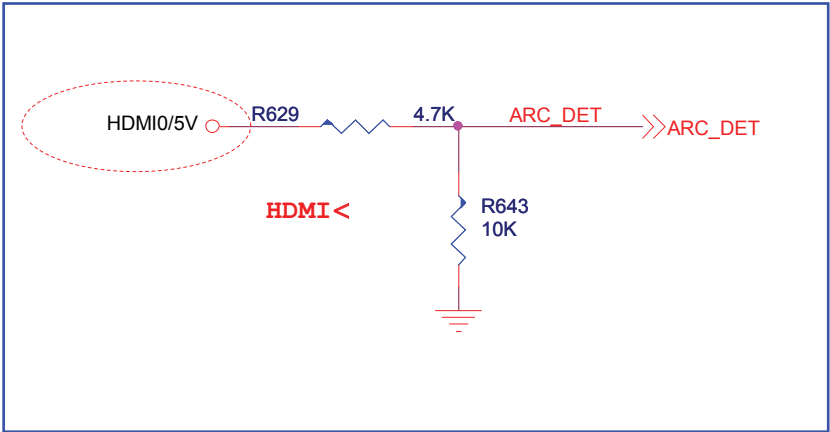


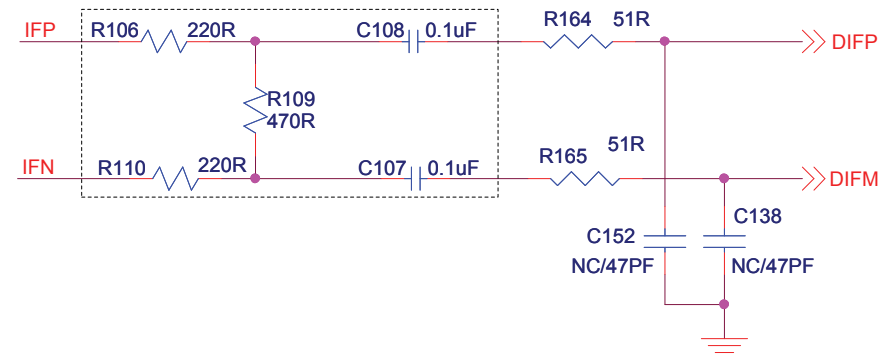


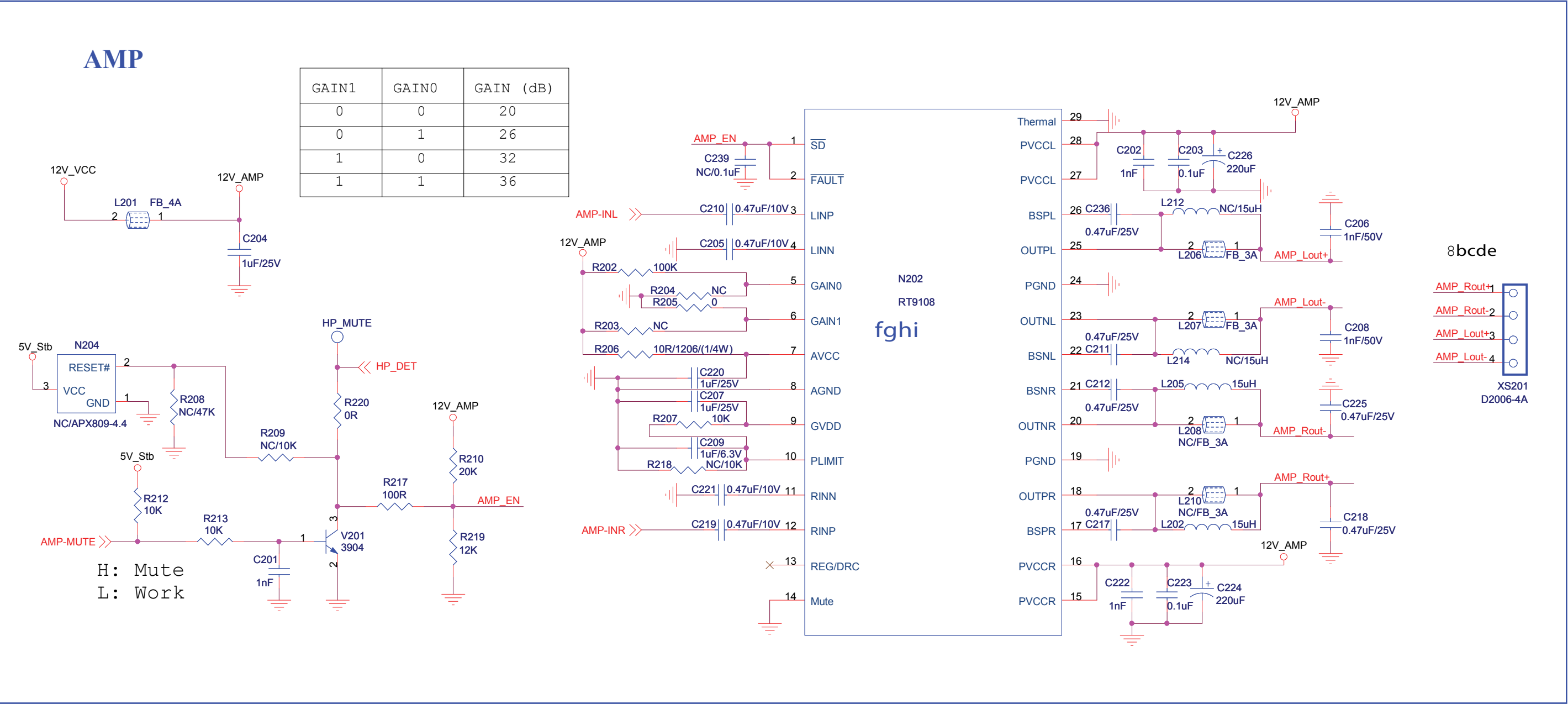
CEC & ARC



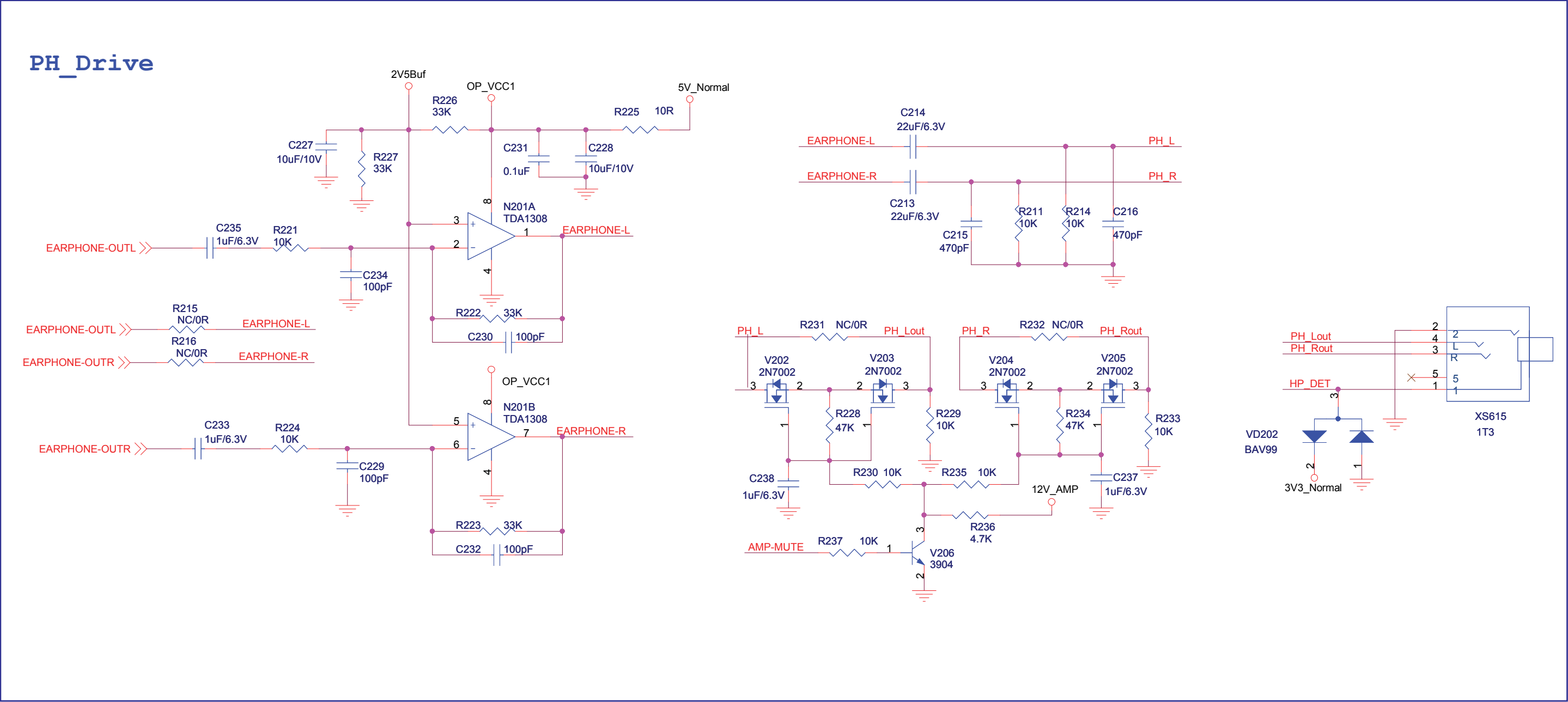
ARC DET





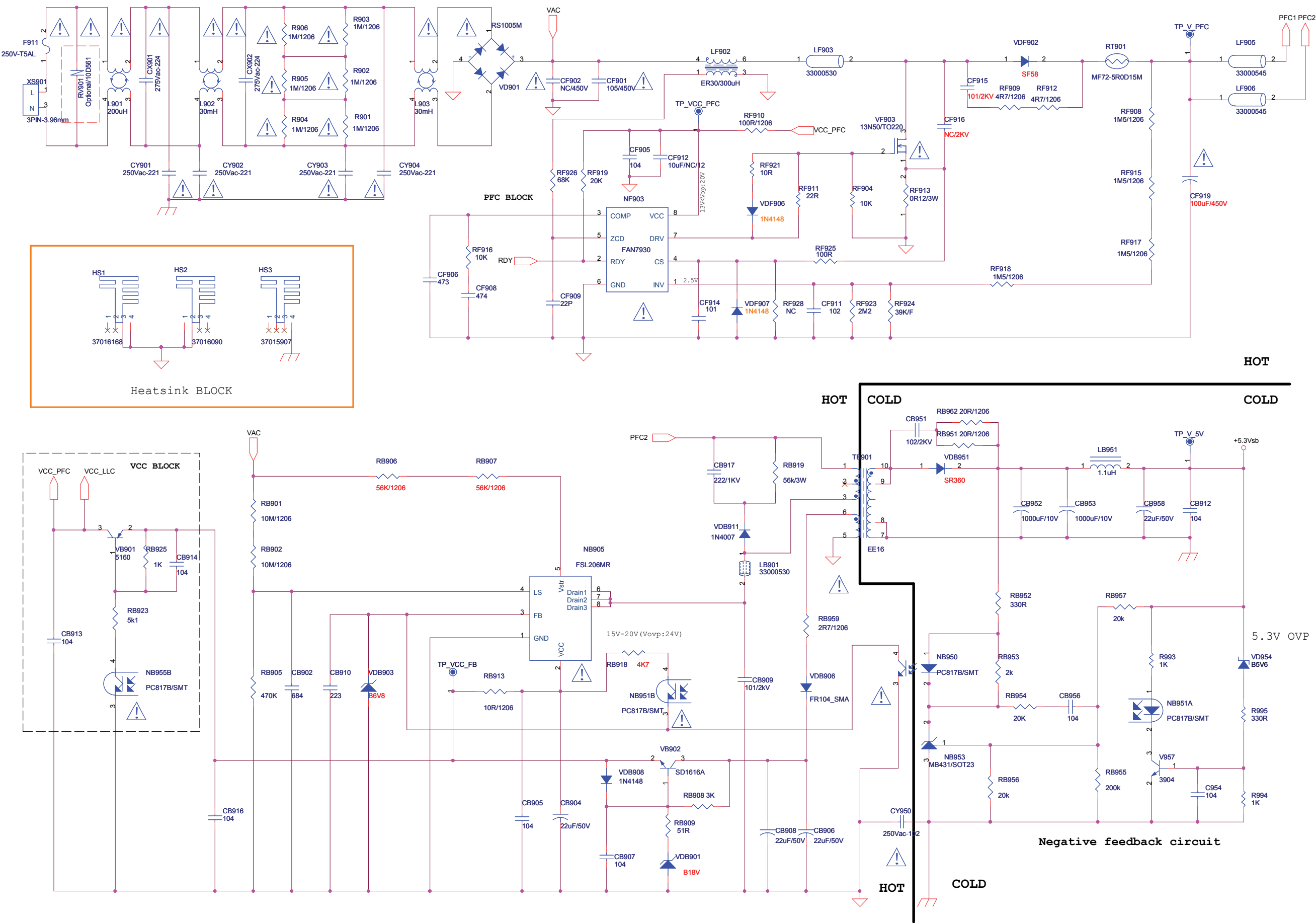


PH_Drive



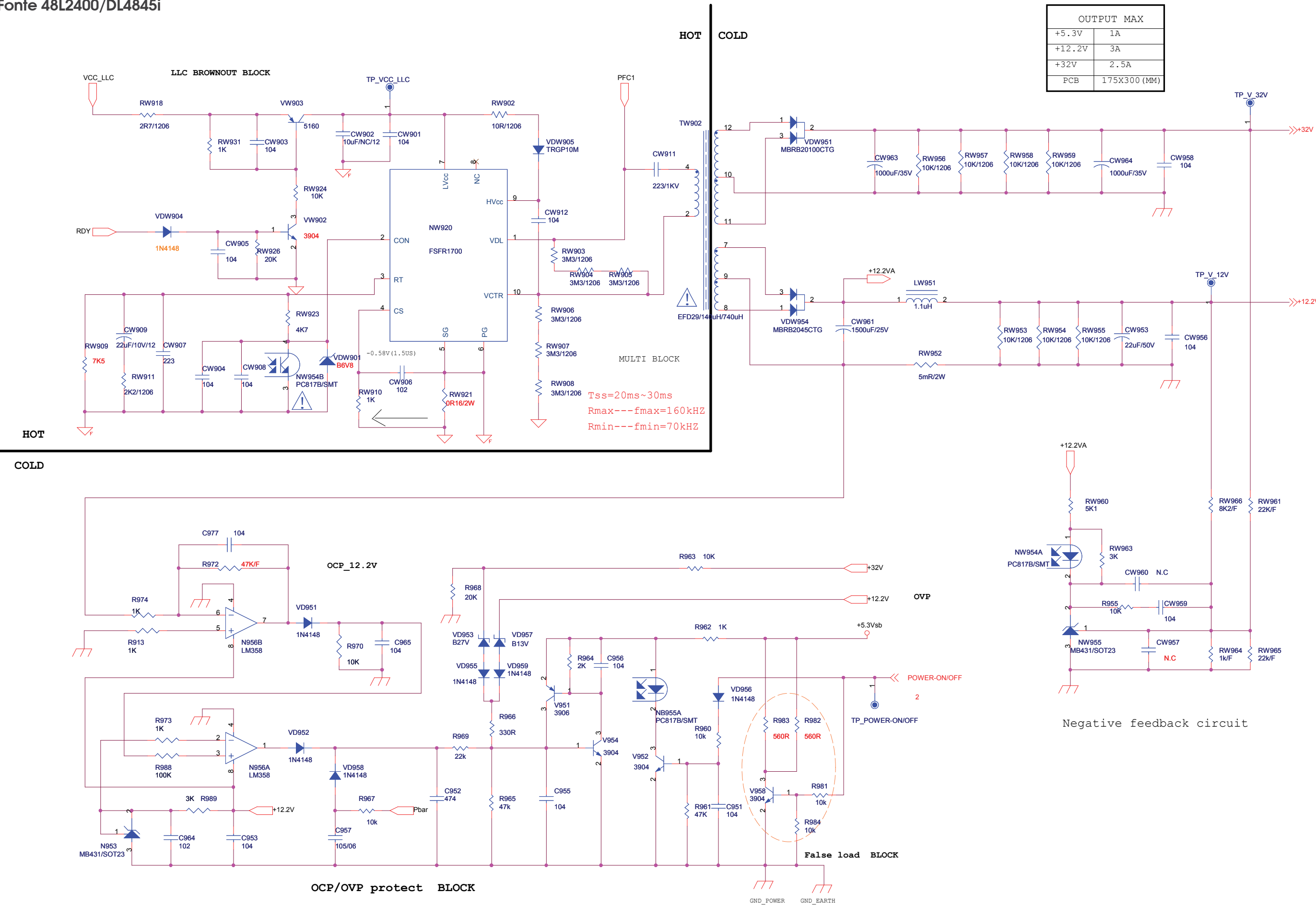
ESQUEMAS ELÉTRICOS

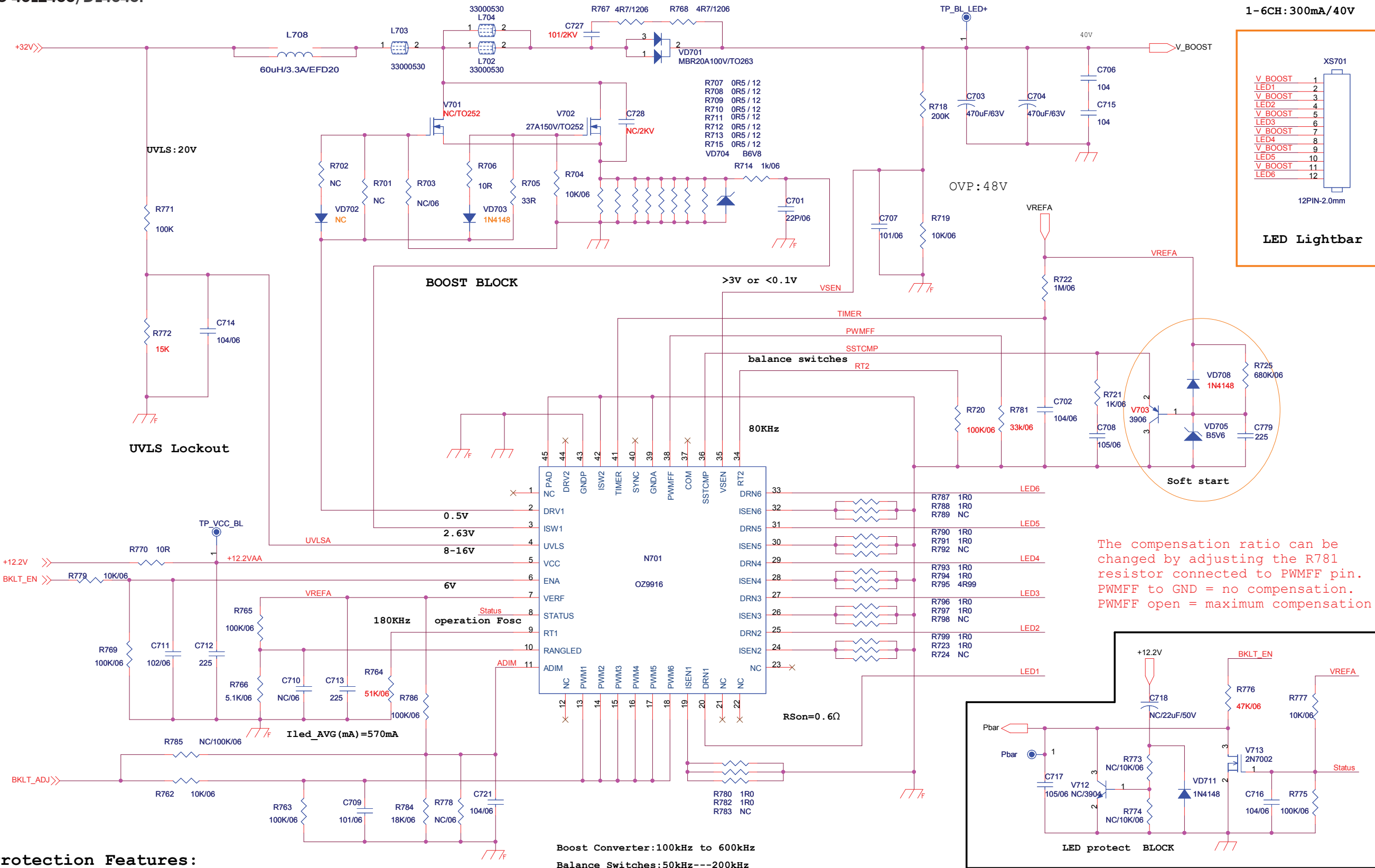
PCI Fonte 48L2400/DL4845i

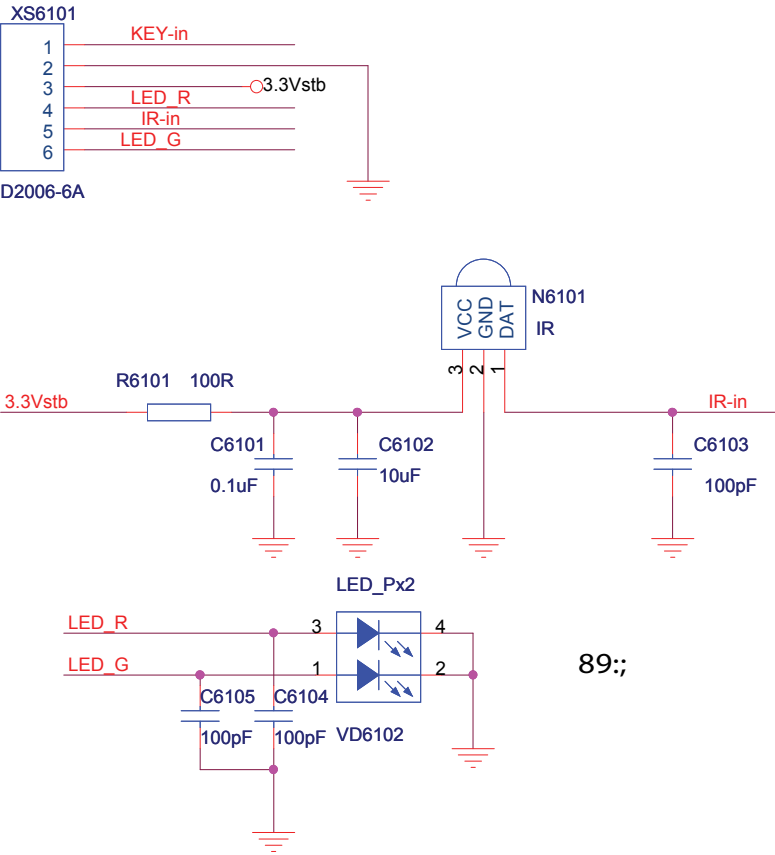
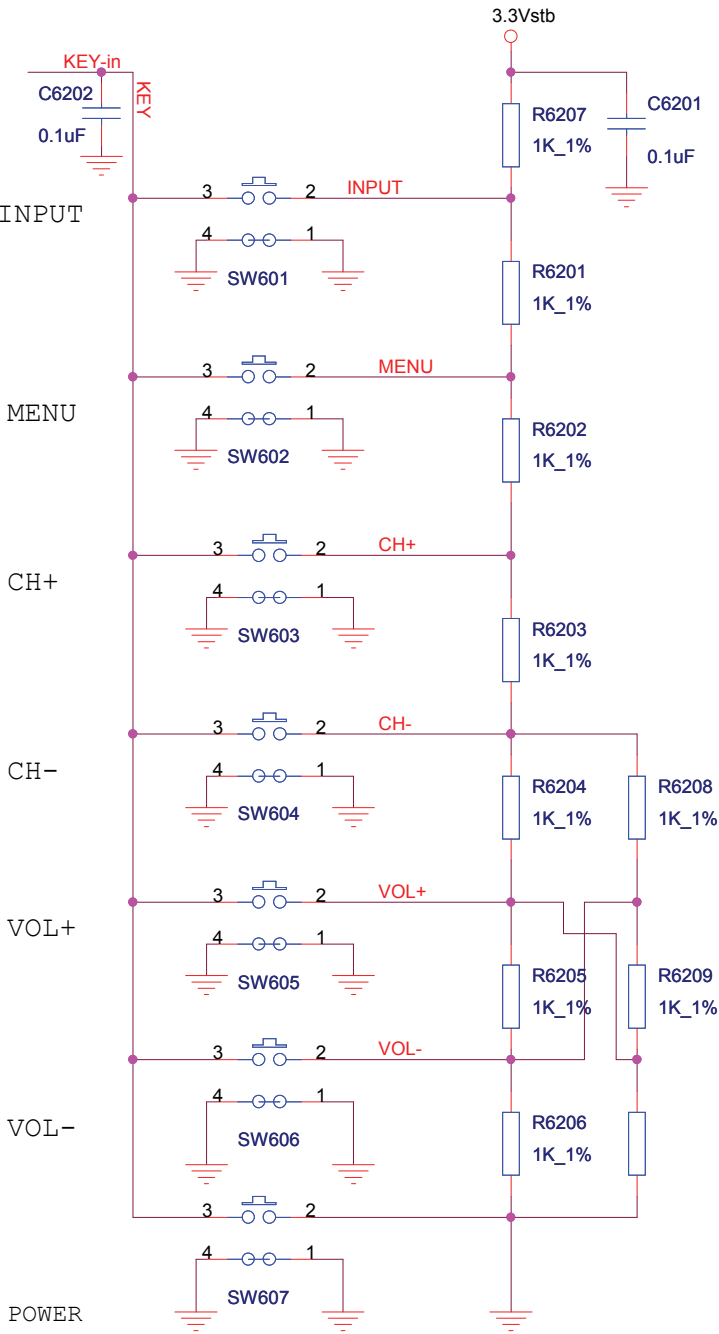


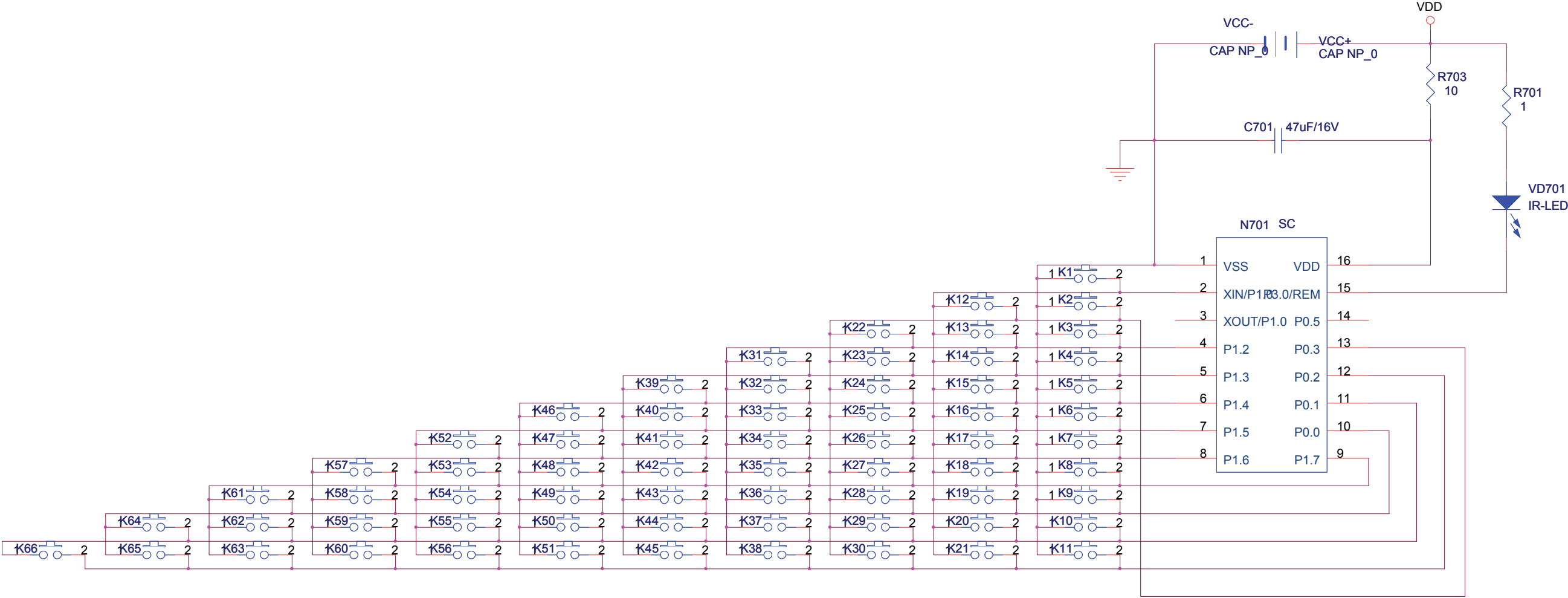
ESQUEMAS ELÉTRICOS

PCI Fonte 48L2400/DL4845i



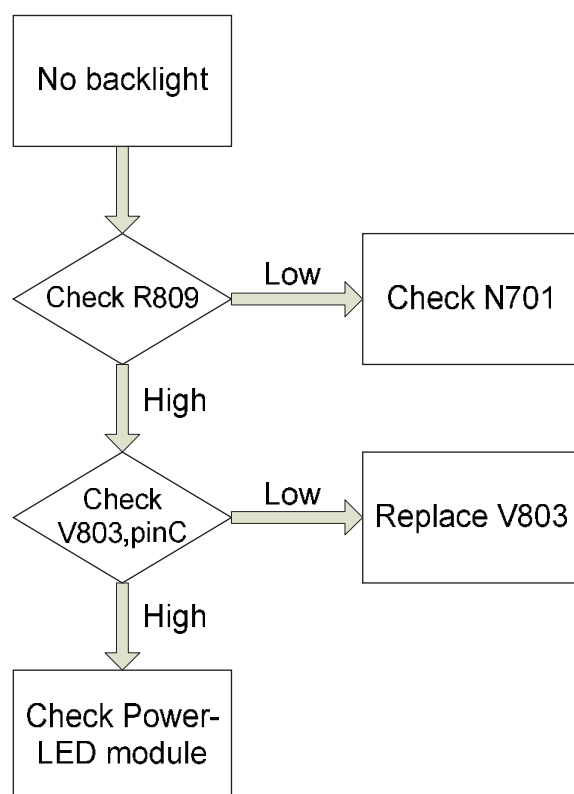
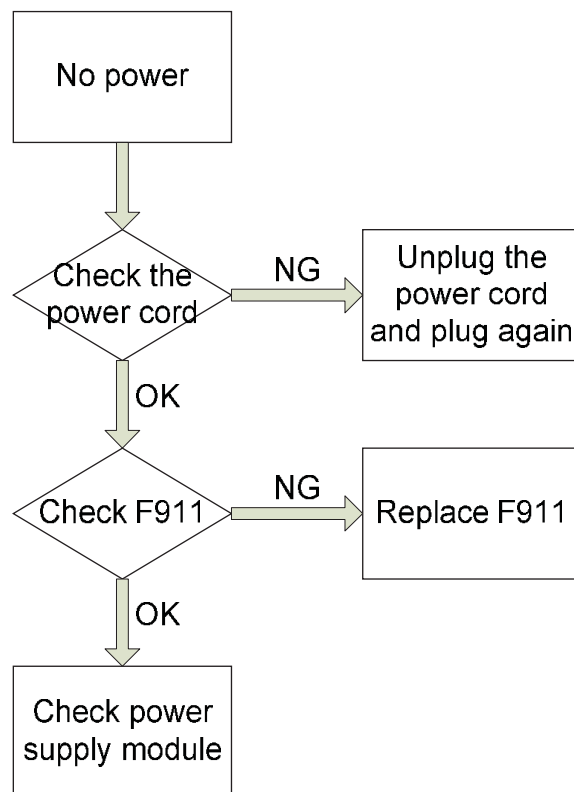






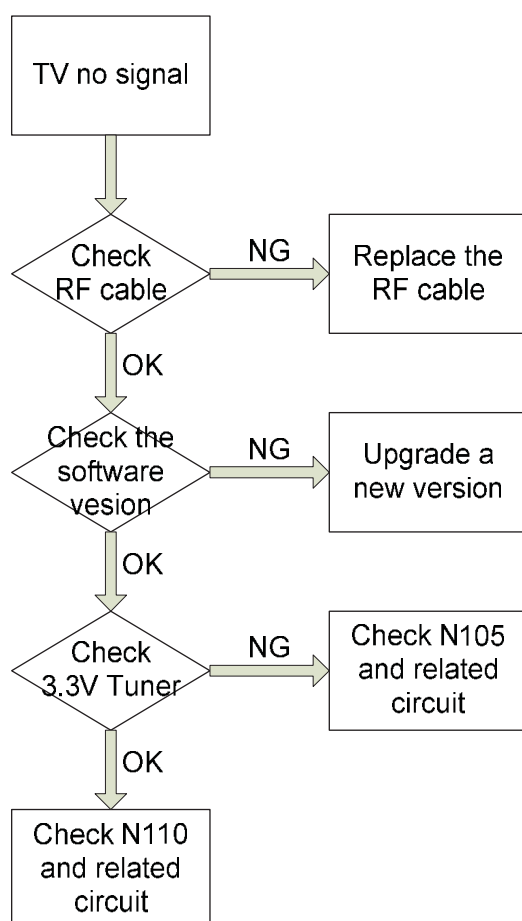
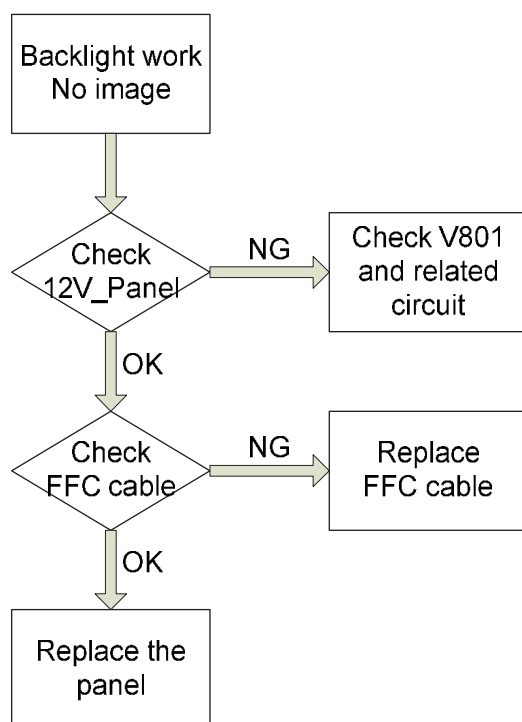
TROUBLE SHOOTING

Fluxograma (Todos modelos)



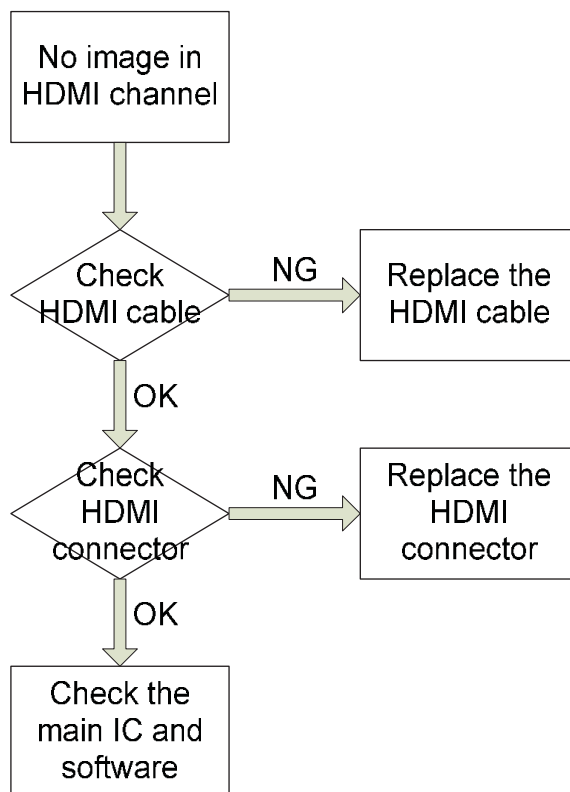
TROUBLE SHOOTING

Fluxograma (Todos modelos)



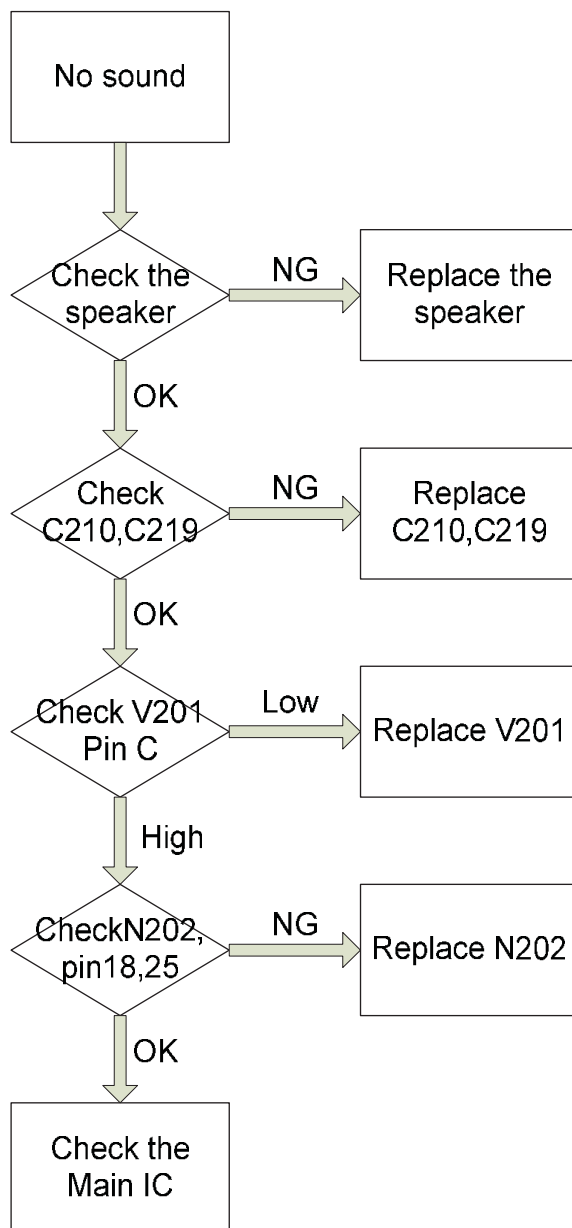
TROUBLE SHOOTING

Fluxograma (Todos modelos)



TROUBLE SHOOTING

Fluxograma (Todos modelos)



LOCALIZAÇÃO DOS COMPONENTES

Placa Principal 32/40

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
C101	168.275	32.766	T	C233	191.846	47.727	T	C616	-68.643	45.618	B
C102	167.513	35.687	T	C234	188.214	44.196	T	C617	-71.9	38	B
C105	172.974	35.814	T	C235	189.484	47.752	T	C631	148.203	47.359	T
C106	172.085	44.577	T	C236	186.82	128.844	T	C632	145.725	42.564	T
C107	166.878	49.149	T	C237	-197.739	44.806	B	C633	147.034	47.334	T
C108	166.878	47.879	T	C238	-195.351	43.561	B	C634	146.989	42.564	T
C109	175.514	38.227	T	C401	174.676	99.339	T	C635	145.46	47.334	T
C110	175.006	40.132	T	C402	177.499	71	T	C637	148.343	42.564	T
C111	178.562	40.132	T	C406	177.041	94.945	T	C643	154.781	46.032	T
C112	175.514	36.957	T	C407	176	71	T	C644	156.083	46.101	T
C113	175.514	35.687	T	C499	84.582	10.795	T	C649	186.373	17.526	T
C114	175.26	42.037	T	C503	-184.023	51.308	B	C651	178.181	18.288	T
C115	168.021	44.577	T	C504	151.39	45.149	T	C656	-78.486	41.275	B
C116	166.116	43.942	T	C505	179.756	58.268	T	C703	97.5	131	T
C117	166.116	42.672	T	C507	-142.259	66.206	B	C704	-98.8	135	B
C118	166.624	37.719	T	C508	-143.377	63.387	B	C705	-96	136	B
C137	199.263	27.051	T	C509	-141.402	64	B	C706	100.3	131	T
C138	161.925	49.276	T	C510	-140.277	66.206	B	C707	104.5	131	T
C140	188.138	36.855	T	C512	179.093	59.816	T	C711	-102	131	B
C142	186.601	37	T	C513	159.385	47.879	T	C713	-106.2	135	B
C144	201.041	26.797	T	C514	-137.236	69.774	B	C715	-105.3	142	B
C152	161.925	47.625	T	C515	-144.621	66.892	B	C716	-106.4	145	B
C201	181.896	111.557	T	C516	-147.263	63.393	B	C718	106.5	131	T
C202	185.699	124.587	T	C519	-152.66	67.882	B	C733	101.4	144	T
C203	184.429	124.587	T	C520	159.385	49.149	T	C754	109.6	137	T
C204	190.754	151.892	T	C521	-152.66	66.612	B	C763	105.8	144	T
C205	189.325	113.538	T	C527	-144.958	58.395	B	C801	97.18	64.973	T
C206	186.665	140.157	T	C528	-147.453	53.213	B	C802	101.737	78	T
C207	-193.04	116	B	C529	-146.044	50.255	B	C803	98.933	67.691	T
C208	193.777	139.802	T	C530	-146.577	59.805	B	C804	100.467	78	T
C209	193.548	113.411	T	C531	170.307	51.816	T	C806	99.593	66.065	T
C210	189.103	115.983	T	C532	-148.659	56.706	B	C807	99.949	62.763	T
C211	190.249	128.844	T	C533	181.483	56.642	T	C808	99.197	78	T
C212	193.678	128.844	T	C534	150.882	42.863	T	C809	106.299	70.256	T
C213	202.717	41.656	T	C537	-145.434	56	B	C810	106.299	72.161	T
C214	193.104	34.354	T	C538	-138.811	64	B	C811	106.324	75.692	T
C215	206.451	41.402	T	C540	-146.024	65.792	B	C812	106.299	74.066	T
C216	194.882	32.893	T	C541	151.263	46.672	T	C813	119.253	85.573	T
C217	197.107	128.844	T	C543	-153.67	72.415	B	C816	121.113	81.026	T
C218	203.225	139.802	T	C544	-141.293	67.894	B	C817	129.418	93.624	T
C219	195.453	115.951	T	C546	-143.332	49.936	B	C819	132.479	81.763	T
C220	185.395	121.361	T	C548	152.654	136.652	T	C820	120.828	85.801	T
C221	194.818	113.411	T	C549	-113.48	58.039	B	C822	110.744	80	T
C222	198.755	124.587	T	C552	163.747	52.603	T	C824	132.479	80.493	T
C223	200.025	124.587	T	C553	163.746	55	T	C825	148.775	138.736	T
C225	197.917	139.802	T	C554	-56.617	13.863	B	C826	148.775	137.149	T
C227	-191.008	42.062	B	C555	-57.836	18.512	B	C827	151.186	126.211	T
C228	201.549	44	T	C557	-132.207	71	B	C828	192.183	99.248	T
C229	202.184	39.624	T	C601	120.559	32.007	T	C829	135.07	84.264	T
C230	192.659	36.894	T	C604	-203.1	52	B	C832	117.493	93.028	T
C231	199.009	43.967	T	C611	194.183	95.631	T	C833	132.341	84.302	T
C232	200.254	41.402	T	C614	-74.993	45.618	B	C836	174.6	97.561	T

LOCALIZAÇÃO DOS COMPONENTES

Placa Principal 32/40

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
C838	128.321	74.905	T	N501	147.262	62.992	T	R502	116.909	55.944	T
C840	119.474	81.763	T	N507	113.925	54.305	T	R503	-141.859	70	B
C842	132.479	79.223	T	N510	177.337	82.962	T	R506	114.306	57	T
C844	122.326	82.067	T	N602	191.643	78.613	T	R507	150.876	40.151	T
C846	110.617	78.486	T	N603	71.797	40.974	T	R508	181.633	59.816	T
C847	191.319	102.518	T	N604	86.965	41.476	T	R509	117.811	68.542	T
C848	126.949	72	T	N701	102	137	T	R511	114.306	59.754	T
C850	112.604	68.008	T	N801	127.145	79.858	T	R513	182.042	58.268	T
C852	125.12	74.676	T	N802	101.102	72.833	T	R514	184.531	52.832	T
C853	174.803	100.838	T	N803	126.218	86.754	T	R515	167.894	50.546	T
C854	112.451	66.484	T	N805	112.147	73.647	T	R516	167.894	51.816	T
C966	-86	154	B	N807	186.095	99.402	T	R517	184.023	54.737	T
CW904	-36.198	149.951	B	N966	71.2	151	T	R518	-145.053	53.201	B
CW905	-38.098	149.951	B	NW907	-24.6	151	B	R521	-139.827	71.882	B
CW907	-30.6	150	B	NW950	71.2	157	T	R522	-138.303	72	B
CW908	-26.436	144.854	B	NW955	87.257	158	T	R525	-78.461	13.051	B
CW927	-17.036	150.554	B	R102	176.784	39.624	T	R526	-76.217	13.054	B
CW955	-85.7	158	B	R103	170.307	50.546	T	R529	113.734	51.562	T
CW969	92.1	65	T	R106	169.291	44.577	T	R530	116.909	53.404	T
L101	168.686	35.673	T	R109	169.926	46.355	T	R531	119.126	54.737	T
L103	164.324	36.292	T	R110	170.561	44.577	T	R532	116.909	54.737	T
L104	169.956	35.673	T	R164	164.465	47.879	T	R535	151.384	136.652	T
L105	171.48	35.673	T	R165	164.465	49.149	T	R536	-76.217	14	B
L107	202.819	26.924	T	R202	190.665	113.538	T	R538	153.924	136.652	T
L108	166.765	40.162	T	R205	191.897	115.991	T	R539	-59.106	13.863	B
L109	166.737	38.959	T	R206	181.508	120.599	T	R540	-57.836	13.863	B
L201	189.992	154.686	T	R207	193.472	116.586	T	R541	-67.155	13.407	B
L202	204.597	135	T	R210	185.007	118.002	T	R542	-64.948	14.651	B
L205	197.436	134.563	T	R211	205.232	41.402	T	R543	-64.948	13.406	B
L212	182.957	134.551	T	R212	182.721	109.715	T	R545	-69.412	13.407	B
L214	190.197	134.563	T	R213	181.451	109.715	T	R546	-57.836	16.124	B
L501	152.185	42.813	T	R214	196.088	32.893	T	R547	-59.08	16.124	B
L503	-146.388	54	B	R217	182.404	118.002	T	R549	119.126	55.944	T
L504	-147.692	55.466	B	R219	183.674	118.002	T	R550	162.433	52.959	T
L505	181.483	53.086	T	R220	186.277	115.722	T	R604	109.48	30	T
L506	181.483	54.864	T	R221	188.722	45.974	T	R605	108.718	32.385	T
L601	-197.231	50	B	R222	192.659	38.163	T	R613	107.003	33	T
L602	194.945	102.762	T	R223	199.009	41.453	T	R615	87.112	32.669	T
L801	119.614	75.311	T	R224	191.295	45.947	T	R616	86.618	34.941	T
L802	148.844	123.825	T	R225	205.105	44	T	R617	84.346	34.941	T
L803	92.1	68	T	R226	-192.837	43.536	B	R619	-196.977	51.181	B
L804	97.231	63.297	T	R227	199.746	39.624	T	R620	-198.7	52	B
L805	100.711	92.075	T	R228	-195.351	42.342	B	R625	196.012	49.759	T
L808	108.712	81.915	T	R229	194.882	36	T	R627	121.76	32.004	T
L810	116.604	95.758	T	R230	-194.462	45.288	B	R629	109.924	32.385	T
L811	193.016	102.762	T	R233	-204.14	43.218	B	R641	-196.977	52.451	B
L814	116.84	80.772	T	R234	-197.739	43.561	B	R643	110.363	34.163	T
L816	105.775	65.086	T	R235	-195.758	45.288	B	R644	-204.343	52.324	B
N105	193.789	23.495	T	R236	189.992	108.687	T	R645	-204.343	55	B
N110	170.942	40.132	T	R237	184.48	109.195	T	R650	-63.373	35.941	B
N201	193.732	41.618	T	R401	179.531	94.945	T	R651	-65.913	35.941	B
N202	192.027	122	T	R499	83.312	10.795	T	R652	-62.103	35.941	B

LOCALIZAÇÃO DOS COMPONENTES

Placa Principal 32/40

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
R653	-64.643	35.941	B	R802	135.001	77	T	RA612	88.906	32.512	T
R654	-75	36	B	R803	101.72	80.416	T	RA621	188.468	78.613	T
R655	-68.6	36	B	R804	103.515	78.548	T	RW901	-23.883	156.101	B
R656	-67.183	36	B	R805	103.515	79.818	T	RW902	-27.683	156.101	B
R657	-76.372	36	B	R806	103.515	77.278	T	RW903	-31.383	156.101	B
R660	187.579	17.526	T	R807	135.782	80.938	T	RW904	-34.398	149.951	B
R661	-150.86	14.605	B	R808	108.171	93.844	T	RW905	-11.8	157	B
R663	178.181	17.018	T	R809	137.192	93	T	RW906	-17.6	157	B
R664	-147.558	14.605	B	R810	109.448	93.844	T	RW907	-24.536	144.854	B
R666	176.276	18	T	R811	183.032	106.083	T	RW910	31.1	110	T
R667	-132.445	14.605	B	R813	177.61	103.861	T	RW911	25.3	110	T
R672	146.989	40.151	T	R816	131.953	77.978	T	RW912	22.7	113	T
R673	148.196	45.061	T	R818	135.019	79.223	T	RW913	-19.3	143	B
R674	147.034	45.048	T	R820	151.973	124.052	T	RW914	-19.3	147	B
R675	145.725	40.151	T	R822	134.588	80.938	T	RW915	-22.636	144.854	B
R678	149.606	42.545	T	R823	150.399	124.052	T	RW920	51	134	T
R679	149.606	40.151	T	R824	154.051	118.364	T	RW921	57.404	154.813	T
R680	148.343	40.151	T	R825	100.094	79.807	T	RW951	82.8	157	T
R681	185.166	17.526	T	R826	155.308	118.364	T	RW952	80	158	T
R687	145.471	45.104	T	R828	115.08	92.202	T	RW953	91.2	154	T
R701	95.2	127	T	R830	115.08	93.853	T	RW954	93.1	149	T
R702	95.2	131	T	R833	120.49	89	T	RW955	82.8	159	T
R703	95.2	135	T	R901	13.9	56	T	RW956	92.3	158	T
R704	-96	134	B	R902	-13.9	56	B	RW957	94.2	158	T
R705	-98.3	131	B	R903	19.7	56	T	RW961	110.6	117	T
R706	-100.2	131	B	R904	-19.7	56	B	RW962	66.9	73	T
R707	96.4	148	T	R905	-25.5	56	B	RW963	64.1	73	T
R708	-103.8	131	B	R906	25.5	56	T	RW964	-113	110	B
R711	102.5	131	T	R930	-41	157	B	RW965	113.6	117	T
R712	-103.4	134	B	R932	-39	157	B	RW971	82.8	155	T
R713	-107.4	131	B	R964	-88.5	157	B	RW972	82	150	T
R716	-107.5	142	B	R965	-87.8	154	B	RW973	82.8	153	T
R717	-100.6	135	B	R966	-83.6	151	B	RW976	-88.1	145	B
R718	97.6	144	T	RA101	178.054	33.274	T	RW977	-88.1	147	B
R731	100.6	149	T	RA102	178.054	35.687	T	V101	165.418	32.766	T
R732	103.6	147	T	RA401	166.025	76	T	V201	182.404	114.681	T
R733	103.6	144	T	RA402	166.025	78.071	T	V202	-194.869	35.154	B
R734	99.6	144	T	RA403	166.089	85.845	T	V203	-194.869	40	B
R735	-138.8	152	B	RA404	166.012	83	T	V204	-199.136	40.958	B
R742	137.2	152	T	RA501	131.191	33.655	T	V205	-203.492	41	B
R751	119	131	T	RA502	133.579	36	T	V206	187.503	108.229	T
R752	116.4	125	T	RA601	117.08	32.882	T	V503	-73.069	13.407	B
R753	118.6	125	T	RA602	113.928	32.882	T	V504	-61.76	14.194	B
R754	111.6	137	T	RA603	95.199	32	T	V601	106.368	30	T
R755	-115.6	131	B	RA604	92.075	32	T	V602	84.085	32.175	T
R756	-115.6	129	B	RA605	168.68	66.726	T	V751	-123.525	122	B
R757	-115.6	126	B	RA606	166.928	64	T	V761	113.687	146	T
R761	110.6	140	T	RA607	171.697	62.763	T	V801	149.769	131.546	T
R763	110.5	141	T	RA608	111.321	31.115	T	V802	123.437	94.107	T
R764	-119.1	142	B	RA609	123.361	32	T	V803	180.238	104.966	T
R765	-119.1	148	B	RA610	194.437	51.689	T	V805	111.969	93.345	T
R801	133.731	77	T	RA611	99.695	32	T	V806	152.984	121.234	T

LOCALIZAÇÃO DOS COMPONENTES

Placa Principal 32/40

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
V930	-35.857	157	B								
V966	-82.857	154	B								
VD202	198.692	98.679	T								
VD751	-115.2	123	B								
VD752	116.2	130	T								
VD761	-119.4	139	B								
VD964	-92	155	B								
VD965	-91.5	143	B								
VD966	-90.2	151	B								
VDW901	-9.6	132	B								
VDW904	-36.8	154	B								
VDW907	60.2	157	T								
VDW908	42.2	129	T								
VDW913	-16.936	145.154	B								
VDW920	50.8	140	T								
VDW921	52.832	154.432	T								
VDW922	62.9	151	T								
VDW963	75.101	78.867	T								
VW921	58.657	151	T								
VW971	87.857	154	T								
VW975	85.857	150	T								
XS501	165	154	T								
XS601	114	24	T								
XS602	92	24	T								
XS603	204.323	54	T								
XS651	90.3	9.425	T								
Z110	178.689	47.752	T								
Z501	171.831	56	T								

LOCALIZAÇÃO DOS COMPONENTES

Placa Principal 48L2400/DL4845i

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
C101	239.906	19.025	T	C233	247.389	57.95	T	C613	-263.477	103.124	B
C102	238.585	21.463	T	C234	249.993	55.067	T	C614	-150.263	35.103	B
C105	244.351	24.232	T	C235	247.389	56.363	T	C616	-149.294	41.91	B
C106	236.063	35.819	T	C236	254.42	149.123	T	C617	-137.391	39.192	B
C107	233.773	38.015	T	C237	258.768	49.301	T	C618	-263.756	101.6	B
C108	232.528	38.015	T	C238	258.768	52.146	T	C631	219.203	50.419	T
C109	246.23	27.381	T	C401	230.745	82.746	T	C632	216.725	45.624	T
C110	245.951	29.21	T	C402	264	92.087	T	C633	218.034	50.394	T
C111	247.907	29.845	T	C406	239.565	91.63	T	C634	217.989	45.688	T
C112	246.23	26.137	T	C407	264	90.588	T	C635	216.46	50.394	T
C113	246.23	24.892	T	C503	243.325	56.794	T	C637	219.343	45.561	T
C114	245.418	30.988	T	C504	222.39	48.209	T	C643	228.39	43.18	T
C115	237.518	31.471	T	C505	239.021	61.216	T	C644	228.39	45.593	T
C116	235.004	31.09	T	C507	-213.259	69.266	B	C649	-223.335	15.494	B
C117	237.264	29.896	T	C508	-214.377	66.447	B	C651	-209.467	15.494	B
C118	237.366	26.086	T	C509	-212.402	66.89	B	C655	126.493	12.083	T
C137	271.495	43.287	T	C510	-211.277	69.266	B	C701	210.791	147.775	T
C138	234.306	42.46	T	C512	238.983	63.192	T	C702	213.127	156.9	T
C140	255.848	30.722	T	C513	232.428	44.34	T	C706	203.9	150.8	T
C142	257.649	30.884	T	C514	-206.622	73.762	B	C707	213.134	162.662	T
C144	271.298	41.605	T	C515	-208.172	73.635	B	C708	213.134	160.63	T
C152	231.868	42.409	T	C516	-214.611	70.803	B	C709	232.6	154	T
C201	-250.21	135.596	B	C519	-223.628	69.723	B	C711	218.588	147.313	T
C202	253.159	146.758	T	C520	233.774	44.34	T	C712	216.677	147.197	T
C203	251.889	146.758	T	C521	-223.66	70.942	B	C713	221.281	147.222	T
C204	242.001	141.821	T	C527	-215.958	61.455	B	C714	212.696	147.775	T
C205	256.343	134.518	T	C528	-218.453	56.273	B	C715	203.9	154.566	T
C206	252.606	159.918	T	C529	-217.044	53.315	B	C716	223.057	147.605	T
C207	-260.64	136.436	B	C530	-217.577	62.865	B	C717	224.837	143.717	T
C208	258.727	159.918	T	C531	-229.616	56.388	B	C721	229.5	146.7	T
C209	261.042	134.836	T	C532	-219.659	59.766	B	C779	207.031	157.204	T
C210	256.322	136.976	T	C533	243.351	59.157	T	C801	-195.811	93.904	B
C211	257.849	149.123	T	C534	221.913	45.593	T	C802	157.661	83.515	T
C212	261.278	149.123	T	C537	-216.434	58.89	B	C803	259.794	111.125	T
C213	262.185	57.887	T	C538	-209.811	66.89	B	C804	259.794	112.395	T
C214	262.248	55.918	T	C540	-217.024	68.852	B	C806	249.38	112.395	T
C215	264.915	58.966	T	C541	222.263	49.733	T	C807	249.253	113.919	T
C216	264.915	56.363	T	C543	-222.993	72.517	B	C808	252.555	115.697	T
C217	264.707	149.123	T	C544	-212.293	70.954	B	C809	257.559	115.646	T
C218	275.021	159.918	T	C546	-214.332	52.996	B	C810	246.916	103.581	T
C219	263.01	136.931	T	C548	217.528	103.454	T	C811	248.821	103.581	T
C220	253.422	141.757	T	C549	183.915	59.842	T	C813	185.248	75.857	T
C221	263.01	134.455	T	C552	240.851	53.584	T	C814	245.011	103.581	T
C222	265.9	145.466	T	C553	245.651	53.584	T	C815	258.016	100.33	T
C223	267.055	145.453	T	C554	104.59	14.961	T	C816	173.521	91.059	T
C225	263.172	159.918	T	C555	111.179	20.117	T	C819	186.329	90.957	T
C227	254.273	50.851	T	C557	183.991	84.011	T	C820	186.925	76.01	T
C228	261.893	60.757	T	C601	180.193	33.797	T	C822	168.764	67.056	T
C229	250.008	59.251	T	C604	-272.248	82.326	B	C824	186.409	89.751	T
C230	259.645	55.918	T	C610	-268.709	120.802	B	C825	206.724	87.96	T
C231	263.417	61.29	T	C611	261.293	102.692	T	C826	-209.121	89.256	B
C232	259.645	58.395	T	C612	-268.481	122.301	B	C827	197.377	87.689	T

LOCALIZAÇÃO DOS COMPONENTES

Placa Principal 48L2400/DL4845i

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
C828	234.816	94.567	T	CW958	-152.9	142.3	B	NB955	59.7	7.57	T
C829	199.917	73.431	T	CW959	116.665	166.98	T	NF903	-50.779	142.19	B
C833	198.189	73.228	T	L101	239.906	21.506	T	NW954	106.13	166.316	T
C836	231.049	80.923	T	L103	239.415	24.765	T	NW955	119.924	162.521	T
C838	178.539	83.972	T	L104	241.15	24.198	T	R102	247.907	28.677	T
C840	170.051	89.198	T	L105	242.751	23.52	T	R103	236.063	38.131	T
C842	186.409	88.481	T	L107	270.518	46.028	T	R106	232.528	34.281	T
C844	176.086	91.612	T	L108	237.399	28.524	T	R109	233.138	36.084	T
C846	167.176	66.993	T	L109	237.409	27.356	T	R110	233.773	34.281	T
C847	234.978	92.964	T	L201	242.751	139.04	T	R164	232.452	40.504	T
C848	182.035	84.036	T	L202	274.314	155.27	T	R165	233.697	40.504	T
C850	184.686	67.539	T	L205	266.719	155.372	T	R202	257.74	134.518	T
C852	180.067	84.036	T	L212	251.632	155.293	T	R205	259.116	136.984	T
C853	233.378	83.261	T	L214	259.416	155.368	T	R206	251.072	142.456	T
C854	184.635	66.04	T	L501	223.217	45.544	T	R207	261.072	137.452	T
C951	71.75	10.75	T	L503	-217.388	57.45	B	R210	251.001	137.648	T
C952	85.75	25	T	L504	-218.692	58.526	B	R211	266.185	58.966	T
C953	96.7	32.6	T	L505	236.812	56.782	T	R212	250.234	135.865	T
C954	72.8	16.6	T	L506	236.785	59.156	T	R213	248.964	135.865	T
C955	83.5	7.75	T	L601	267.051	74.105	T	R214	266.376	56.363	T
C956	69.412	6.762	T	L602	259.54	102.616	T	R217	254.095	138.481	T
C957	92.8	20.3	T	L801	173.561	84.252	T	R219	252.799	138.481	T
C964	93.175	22.046	T	L802	195.103	90.259	T	R220	254.095	135.839	T
C965	102.25	22.25	T	L803	193.627	99.06	T	R221	247.389	55.067	T
C977	102.517	38.049	T	L804	253.317	104.394	T	R222	258.375	55.918	T
CB902	78.159	46.088	T	L805	167.389	70.739	T	R223	258.375	58.395	T
CB905	72.587	46.911	T	L806	155.756	85.369	T	R224	247.389	59.258	T
CB907	-75.6	43.4	B	L808	165.843	67.056	T	R225	265.779	61.747	T
CB910	72.739	44.854	T	L811	236.477	97.155	T	R226	258.387	60.935	T
CB912	152.787	84.379	T	L814	-170.932	93.172	B	R227	254.806	52.4	T
CB913	-55	41.25	B	L815	249.253	116.078	T	R228	260.064	52.146	T
CB914	-55.25	36.25	B	N105	265.136	39.532	T	R229	268.154	57.188	T
CB916	-57.9	40.5	B	N110	241.546	28.953	T	R230	257.397	52.146	T
CB956	71.037	25.222	T	N201	254.628	57.125	T	R233	268.027	59.792	T
CF905	-49.989	149.468	B	N202	259.627	142.826	T	R234	260.064	49.301	T
CF906	-50.199	135.078	B	N501	218.262	66.052	T	R235	257.397	49.301	T
CF908	-47.274	131.649	B	N507	184.562	57.48	T	R236	245.941	141.961	T
CF909	-47	149.3	B	N510	251.475	91.831	T	R237	249.167	138.278	T
CF911	-52.019	135.078	B	N602	262.563	121.92	T	R401	239.565	94.119	T
CF912	-53.179	150.318	B	N603	141.903	38.735	T	R502	187.902	59.004	T
CF914	-46.339	135.078	B	N604	152.381	40.704	T	R503	211.966	83.058	T
CW901	-62.629	151.898	B	N701	222.457	157.72	T	R506	187.902	60.249	T
CW902	-65.689	152.168	B	N801	181.075	89.116	T	R507	221.923	43.256	T
CW903	-61.799	141.248	B	N802	254.841	111.76	T	R508	241.583	63.192	T
CW904	91.459	166.128	T	N803	192.618	77.255	T	R509	186.461	71.246	T
CW905	-62.062	133.245	B	N805	174.428	68.453	T	R511	187.902	62.865	T
CW906	-82.781	140.183	B	N807	233.137	89.129	T	R513	241.561	61.216	T
CW907	-65.233	139.637	B	N953	96.7	23.137	T	R514	240.125	56.794	T
CW908	-68.027	140.513	B	N956	100	30.75	T	R515	-227.076	56.388	B
CW909	-65.379	145.628	B	NB950	59.7	19.27	T	R516	-228.346	56.388	B
CW912	-78.987	153.454	B	NB951	59.7	13.246	T	R517	240.15	59.157	T
CW956	185.663	99.09	T	NB953	73.133	22.352	T	R518	-216.053	56.261	B

LOCALIZAÇÃO DOS COMPONENTES

Placa Principal 48L2400/DL4845i

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
R521	-208.207	76.124	B	R672	217.989	43.211	T	R790	216.887	168.355	T
R522	211.966	80.772	T	R673	219.196	48.121	T	R791	218.69	168.355	T
R525	113.7	24.45	T	R674	218.034	48.108	T	R793	222.754	168.355	T
R526	114.928	24.46	T	R675	216.725	43.211	T	R794	224.608	168.355	T
R529	186.988	55.042	T	R678	220.627	45.593	T	R796	230.7	168.355	T
R530	187.902	56.54	T	R679	220.627	43.256	T	R797	228.857	168.351	T
R531	190.62	57.785	T	R680	219.343	43.25	T	R799	231.952	165.315	T
R532	187.902	57.785	T	R681	-224.631	15.494	B	R801	187.369	86.754	T
R535	215.039	103.454	T	R687	216.471	48.164	T	R802	188.639	86.754	T
R536	114.471	22.416	T	R701	186.229	110.86	T	R807	189.719	90.183	T
R538	216.284	103.454	T	R703	189.274	112.065	T	R808	161.394	70.764	T
R539	106.7	14.5	T	R704	171.631	104.699	T	R809	207.156	81.712	T
R540	106.7	15.8	T	R705	171.758	109.22	T	R811	234.673	129.794	T
R541	114.1	17.1	T	R706	171.707	107.366	T	R813	239.296	129.794	T
R542	114.1	15.8	T	R707	191.734	107.088	T	R816	186.036	86.754	T
R543	109.5	14.5	T	R708	194.484	107.088	T	R817	258.854	108.306	T
R545	114.1	14.5	T	R709	186.234	107.088	T	R818	188.83	88.468	T
R546	109.324	20.803	T	R710	183.234	107.088	T	R820	195.218	86.902	T
R547	109.324	19.558	T	R711	180.484	107.088	T	R821	257.61	108.306	T
R549	190.627	59.004	T	R712	188.984	107.088	T	R822	188.512	90.183	T
R550	243.251	53.584	T	R713	197.228	107.088	T	R823	195.218	88.477	T
R604	170.034	33.211	T	R714	210.761	143.307	T	R824	191.611	84.226	T
R605	169.589	35.687	T	R715	200.031	107.088	T	R825	258.067	106.426	T
R613	167.811	34.989	T	R718	209.213	164.465	T	R826	192.944	84.226	T
R615	160.115	23.749	T	R719	209.434	162.662	T	R833	186.505	79.566	T
R616	161.579	26.064	T	R720	213.134	164.614	T	R834	259.794	113.665	T
R617	161.579	23.76	T	R721	210.181	159.998	T	R835	262.207	111.125	T
R619	-275.1	75.2	B	R722	213.127	154.969	T	R901	-26.779	53.344	B
R620	-272.57	75.819	B	R723	231.952	161.708	T	R902	-29.801	59.008	B
R625	267.451	72.505	T	R725	210.181	156.392	T	R903	-32.849	53.344	B
R627	181.502	33.795	T	R762	233.81	151.232	T	R904	-26.779	56.214	B
R629	170.859	35.687	T	R763	231.825	151.178	T	R905	-29.801	50.499	B
R641	-275.1	76.47	B	R764	224.837	147.313	T	R906	-32.849	56.214	B
R643	172.066	35.687	T	R765	226.79	140.106	T	R913	104.294	34.045	T
R644	-272.248	80.926	B	R766	226.793	143.717	T	R955	116.668	162.625	T
R645	-272.648	79.026	B	R767	190.324	144.963	T	R960	75.75	10.75	T
R650	-122.218	35.204	B	R768	196.324	145.013	T	R961	73.75	10.75	T
R651	-125.012	35.204	B	R769	218.588	143.692	T	R962	67.38	6.737	T
R652	-119.7	35.2	B	R770	214.855	147.197	T	R963	96.955	17.475	T
R653	-123.64	35.204	B	R771	211.472	138.684	T	R964	71.419	6.737	T
R654	-134.321	35.573	B	R772	212.717	143.485	T	R965	83.5	9.75	T
R655	-134.321	41.91	B	R775	222.144	144.454	T	R966	83.5	5.75	T
R656	-134.321	43.383	B	R776	217.517	140.818	T	R967	97.25	20.25	T
R657	-134.321	34.1	B	R777	222.17	142.599	T	R968	96.98	14.986	T
R660	-222	15.5	B	R779	216.683	143.615	T	R969	85.75	21.25	T
R661	-221.964	29.718	B	R780	232.823	159.492	T	R970	102.25	20.25	T
R662	187.902	61.519	T	R781	213.127	158.754	T	R972	101	36.25	T
R663	-208	15.5	B	R782	232.849	157.689	T	R973	99.3	23.1	T
R664	-207.994	29.718	B	R784	229.5	144.8	T	R974	105.4	39.1	T
R665	127.801	12.083	T	R786	229.5	140.9	T	R981	81.756	28.194	T
R666	-210.762	15.494	B	R787	212.855	168.351	T	R982	79.8	10.744	T
R667	-193.973	29.718	B	R788	210.941	168.356	T	R983	77.793	10.744	T

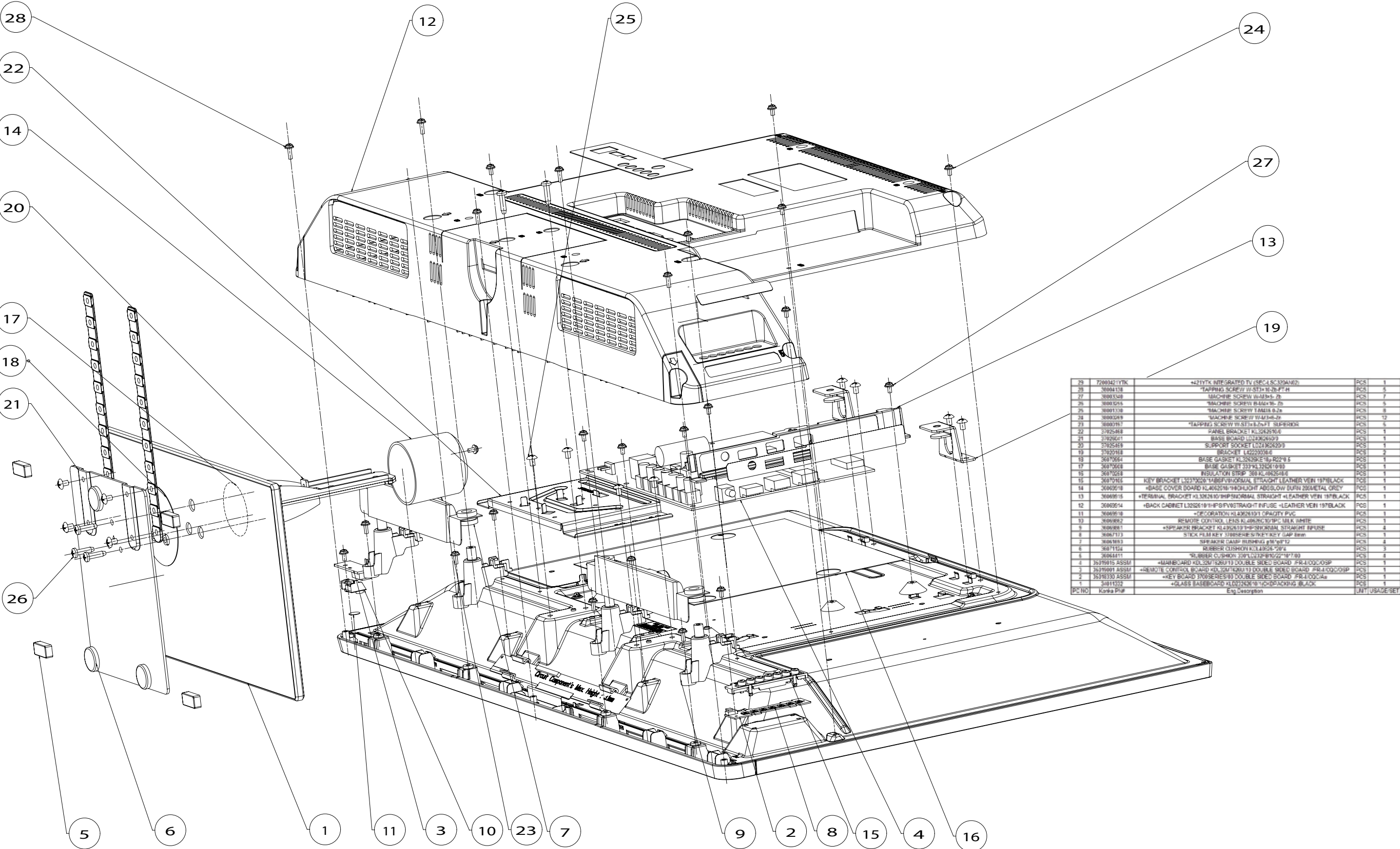
LOCALIZAÇÃO DOS COMPONENTES

Placa Principal 48L2400/DL4845i

POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE	POSIÇÃO	Coord X	Coord Y	FACE
R984	81.756	26.187	T	RF911	-47.599	125.798	B	V803	236.985	129.197	T
R988	102.25	24.25	T	RF912	71.569	92.128	T	V806	192.563	87.401	T
R989	93.2	23.9	T	RF915	-58.769	120.368	B	V951	74.873	6.712	T
R993	68.7	13.7	T	RF916	-48.369	135.128	B	V952	68.557	10.75	T
R994	70.9	16.6	T	RF917	-56.059	124.038	B	V954	79.357	6.7	T
R995	75.736	16.612	T	RF918	-56.059	129.918	B	V957	68.064	16.5	T
RA101	248.288	26.822	T	RF919	-55.021	144.78	B	V958	81.807	22.809	T
RA102	248.288	24.333	T	RF921	-45.529	125.808	B	VB901	-55.064	38.75	B
RA401	255.614	83.995	T	RF923	-55.732	135.128	B	VB902	-61.7	44.675	B
RA402	253.243	83.995	T	RF924	-53.849	135.128	B	VD202	273.269	64.11	T
RA403	246.839	84.059	T	RF925	-39.539	134.518	B	VD701	184.369	134.036	T
RA404	249.684	83.982	T	RF926	-46	152.3	B	VD703	174.984	106.838	T
RA501	180.956	59.817	T	RW902	-69.121	155.452	B	VD704	177.734	106.838	T
RA502	165.398	54.674	T	RW903	-72.307	128.194	B	VD705	207.844	152.734	T
RA601	177.196	33.72	T	RW904	-67.5	129.718	B	VD708	211.908	152.505	T
RA602	174.514	33.72	T	RW905	-70.237	132.766	B	VD711	218	132.6	T
RA603	155.955	34.119	T	RW909	-65.246	141.516	B	VD951	104	29	T
RA604	155.955	36.605	T	RW910	-82	136.982	B	VD952	93.25	26.5	T
RA605	240.391	70.332	T	RW911	-68.849	145.648	B	VD953	91.443	15.037	T
RA606	238.512	67.713	T	RW918	-59.579	150.118	B	VD954	76.955	24.181	T
RA607	243.179	66.458	T	RW923	-68.027	136.703	B	VD955	89.5	8.25	T
RA608	171.494	33.337	T	RW924	-60.659	137.158	B	VD956	79.063	17.17	T
RA609	182.994	33.54	T	RW926	-60.252	133.308	B	VD957	85.076	15.011	T
RA610	267.76	76.276	T	RW931	-59.959	141.178	B	VD958	88.25	22.25	T
RA611	161.257	31.205	T	RW953	176.813	99.59	T	VD959	86.75	8.25	T
RA612	161.257	28.539	T	RW954	180.064	99.59	T	VDB901	-72.463	44.287	B
RA620	259.426	121.818	T	RW955	183.239	99.59	T	VDB903	75.889	44.447	T
RA621	265.855	93.548	T	RW956	-153.3	140	B	VDB906	86.317	51.269	T
RB901	56.759	47.958	T	RW957	-153.3	131	B	VDB908	-61.7	47.4	B
RB902	62.559	47.958	T	RW958	-153.3	128.3	B	VDF906	-42.789	126.77	B
RB905	80.039	46.088	T	RW959	-153.3	125.6	B	VDF907	-42.016	134.189	B
RB906	56.659	51.068	T	RW960	115.273	159.59	T	VDW901	-70.237	139.713	B
RB907	62.459	51.068	T	RW961	125.49	166.99	T	VDW904	-57.259	141.958	B
RB908	-78.022	43.409	B	RW963	114.31	162.574	T	VW902	-64.542	134.262	B
RB909	-75.973	46.451	B	RW964	121.156	166.991	T	VW903	-61.799	145.055	B
RB913	-56.5	45.75	B	RW965	123.185	166.991	T	XS502	228.895	112.038	T
RB918	51.3	13	T	RW966	123.23	162.47	T	XS601	174	25.5	T
RB923	51.3	7.3	T	V101	242.916	19.485	T	XS602	148	25.5	T
RB925	-55.25	34.25	B	V201	-252.99	136.093	B	XS603	277.323	78.5	T
RB951	132.416	60.182	T	V202	262.718	52.629	T	Z110	245.392	37.795	T
RB952	70.631	19.507	T	V203	267.239	52.629	T	Z501	243.151	50.184	T
RB953	67.7	20.4	T	V204	262.731	48.819	T				
RB954	69.97	22.403	T	V205	267.239	48.819	T				
RB955	72.917	28.575	T	V206	246.589	139.725	T				
RB956	73.907	25.857	T	V503	114	19.829	T				
RB957	-74.872	28.575	B	V504	111.064	16.7	T				
RB959	89.897	54.469	T	V601	167.494	32.766	T				
RB962	129.749	60.182	T	V602	160.609	20.551	T				
RF904	-47.599	121.478	B	V702	173.7	115.412	T				
RF908	-58.769	114.558	B	V703	206.968	159.948	T				
RF909	71.529	98.258	T	V713	218.508	137.795	T				
RF910	-56.839	150.098	B	V801	201.963	88.802	T				

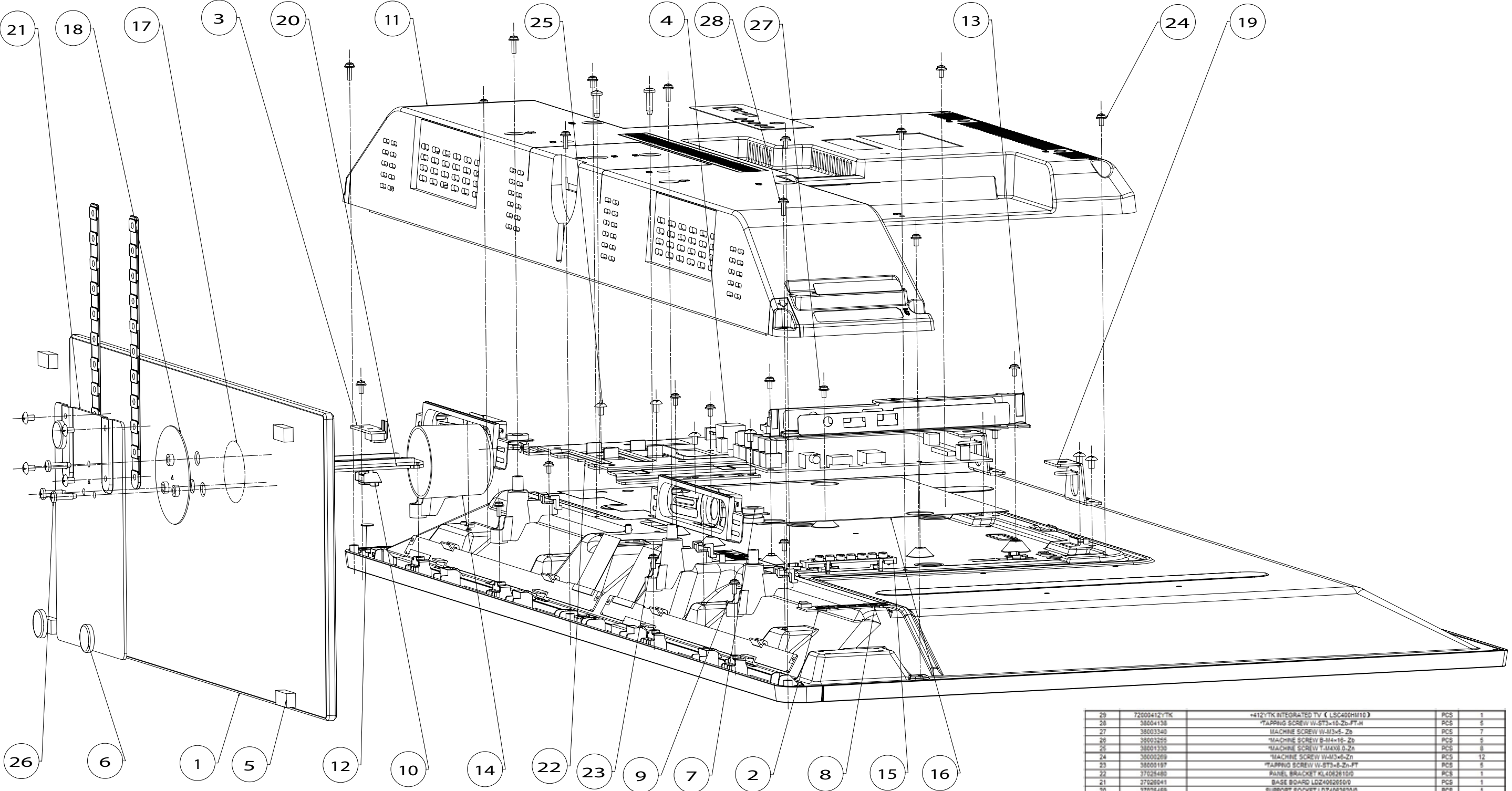
VISTA EXPLODIDA

32L2400 E DL3245i (Diferença no Pedestal)



VISTA EXPLODIDA

40L2400 E DL4045i (Diferença no Pedestal)

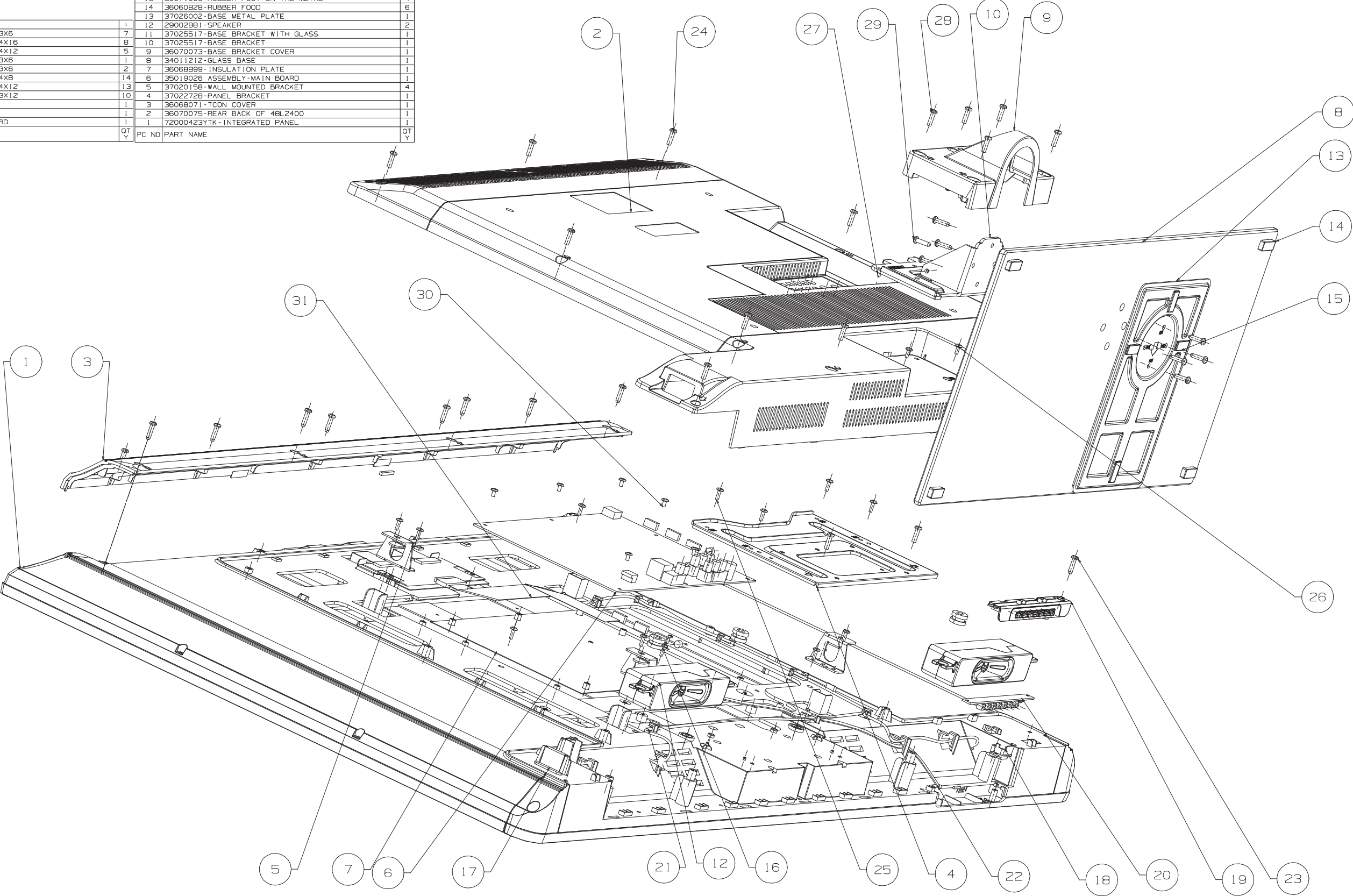


28	72000412/TK	+412/TK BIFURCATED TV (LSC400H10)	PCS	1
28	38004138	*TAPPING SCREW W-5T3-8-Zn-PT-A	PCS	8
27	38003340	*MACHINE SCREW W-M3x6-Zn	PCS	7
26	38003295	*MACHINE SCREW B-M4x16-Zn	PCS	6
25	38003300	*MACHINE SCREW T-MAX16-0.2x	PCS	8
24	38000269	*MACHINE SCREW W-M3x6-Zn	PCS	12
23	38000197	*TAPPING SCREW W-5T3-8-Zn-PT	PCS	5
22	37028480	PANEL BRACKET KL4062610/0	PCS	1
21	37028041	BASE BOARD LDZ4062600/0	PCS	1
20	37028459	SUPPORT SOCKET LDZ4062620/0	PCS	1
19	37020156	BRACKET L42220030/0	PCS	2
18	36070994	BASE GASKET KL326260E16/R22*0.6	PCS	1
17	36070908	BASE GASKET 333*KL3262610/0	PCS	1
16	36070255	ENVIRONMENTAL PROTECTION INSULATION PIECE 380-KL4062640/0	PCS	1
15	36070105	*KEY BRACKET L32370020/1A8SFVENORMAL STRAIGHT LEATHER VEN 197*BLACK	PCS	1
14	36069918	*BASE COVER BOARD KL4062610/1HIGHLIGHT *B55SLOW BURN 205METAL GREY	PCS	1
13	36069915	*TERMINAL BRACKET KL3262610/1HPSHORIZONTAL STRAIGHT LEATHER VEN 197*BLACK	PCS	1
12	36069910	*DECORATION KL4062610/1 OPACITY PVC	PCS	1
11	36069910	*BACK CABINET L4062610/1HPS/10STRAIGHT BIFUSE *LEATHER VEN 197*BLACK	PCS	1
10	36069902	*REMOTE CONTROL LENS KL4062610/1PC*WHITE COLOR	PCS	1
9	36069981	*SPEAKER BRACKET KL4062610/1HPSHORIZONTAL STRAIGHT BIFUSE	PCS	4
8	36067173	STICK FILM KEY 3700SERIES/KEY/KEY GAP 8mm	PCS	1
7	36061693	SPEAKER DAMP BUSHING 16*6*12	PCS	4
6	36071124	RUBBER CUSHION KDL40626-20*4	PCS	3
5	36064411	*RUBBER CUSHION 330*LD232F810/22*10*7/05	PCS	4
4	36019015 ASSM	*MAINBOARD KDL32MT626U10 DOUBLE SIDED BOARD /FR-4/CCO/OSP	PCS	1
3	36019001 ASSM	*REMOTE CONTROL BOARD KDL32MT626U10 DOUBLE SIDED BOARD /FR-4/CCO/OSP	PCS	1
2	36018230 ASSM	*KEY BOARD 3700SERIES/00 DOUBLE SIDED BOARD /FR-4/CCO/au	PCS	1
1	34011192	BASE GLASS BASEBOARD LDZ4062610/1-BLACK	PCS	1
PC NO	Konka P/N	Eng Description	UNIT	USAGE/SET

VISTA EXPLODIDA

48L2400/DL4845i (Diferença no Pedestal)

31	28008240-FFC LVDS CABLE	1	19	36070076-KEY BRACKET	1
30	38000269-MACHINE SCREW M3X6	7	18	36068166- LENS	1
29	38003255-MACHINE SCREW M4X16	8	17	36068010-RUBBER AT THE POWER CABLE HOLE	1
28	38003253-MACHINE SCREW M4X12	5	16	36054725-DAMPING BUSHING	4
27	38000251-MACHINE SCREW M3X6	1	15	36071099-RUBBER FOOT ON THE METAL	4
26	38000247-MACHINE SCREW M3X6	2	14	36060828-RUBBER FOOT	6
25	38000283-MACHINE SCREW M4X8	14	13	37026002-BASE METAL PLATE	1
24	38003240-TAPPING SCREW M4X12	13	12	29002881-SPEAKER	2
23	38005198-TAPPING SCREW M3X12	10	11	37025517-BASE BRACKET WITH GLASS	1
22	26009958-KEY CABLE	1	10	37025517-BASE BRACKET	1
21	26011699-SPEAKER CABLE	1	9	36070073-BASE BRACKET COVER	1
20	35017090-ASSEMBLY IR BOARD	1	8	34011212-GLASS BASE	1
PC NO	PART NAME	QT Y	7	36068899-INSULATION PLATE	1
			6	35019026-ASSEMBLY-MAIN BOARD	1
			5	37020158-WALL MOUNTED BRACKET	4
			4	37022728-PANEL BRACKET	1
			3	36068071-TCON COVER	1
			2	36070075-REAR BACK OF 48L2400	1
			1	72000423YTK-INTEGRATED PANEL	1
			PC NO	PART NAME	QT Y



Avenida Arnaldo Rojek, nº 01,
Bairro: Alto da Jordanésia, Cidade: Cajamar, Estado: São Paulo, Cep: 07786-900

SEMP TOSHIBA