SCHEMATIC DIAGRAMS

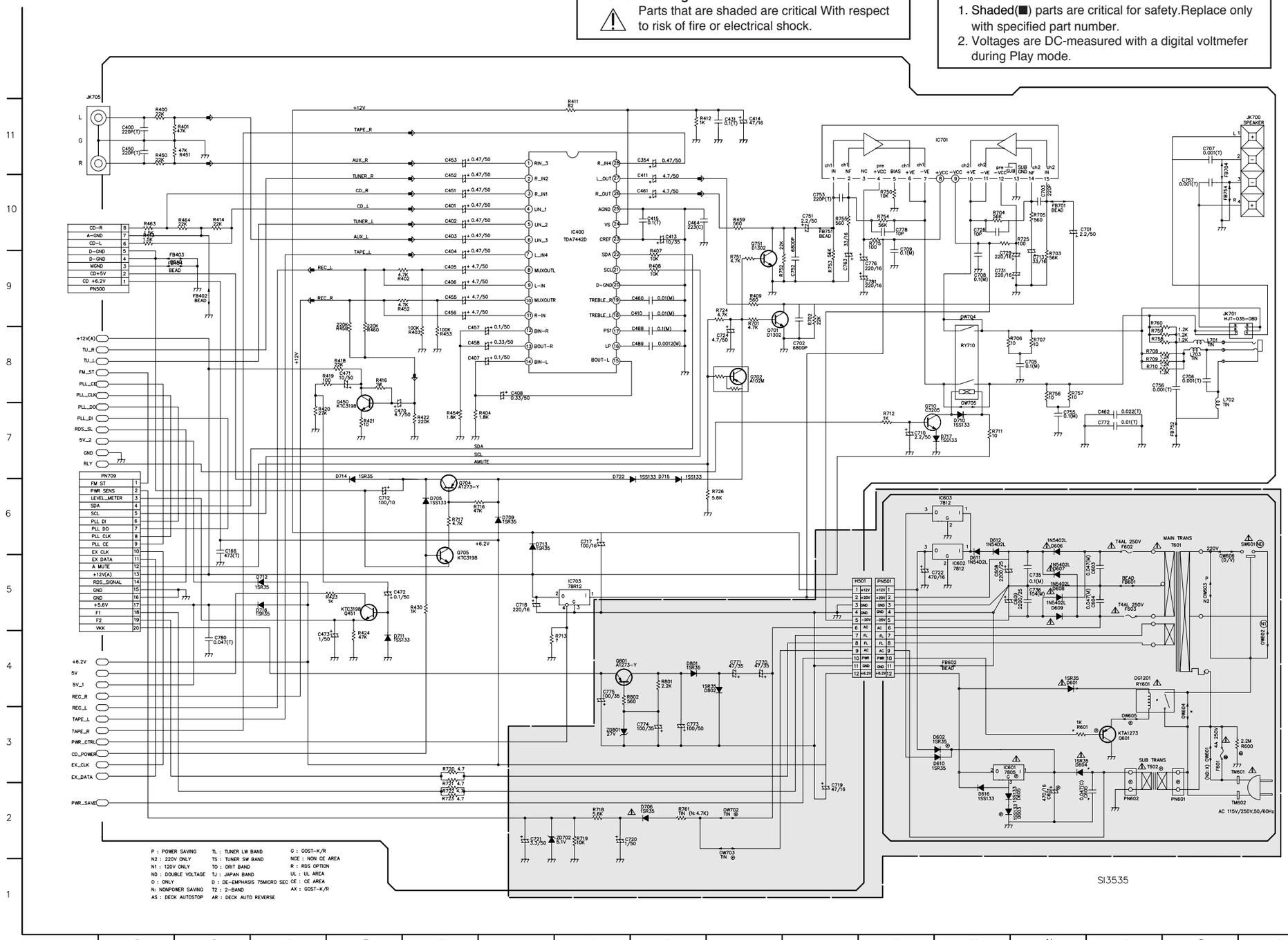
• MAIN SCHEMATIC DIAGRAM

NOTE: Warning

⚠ Parts that are shaded are critical With respect to risk of fire or electrical shock.

NOTE:

1. Shaded(■) parts are critical for safety.Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmefer during Play mode.



P : POWER SAVING
N2 : 220V ONLY
N1 : 120V ONLY
ND : DOUBLE VOLTAGE
O : ONLY
N: NONPOWER SAVING
AS : DECK AUTOSTOP

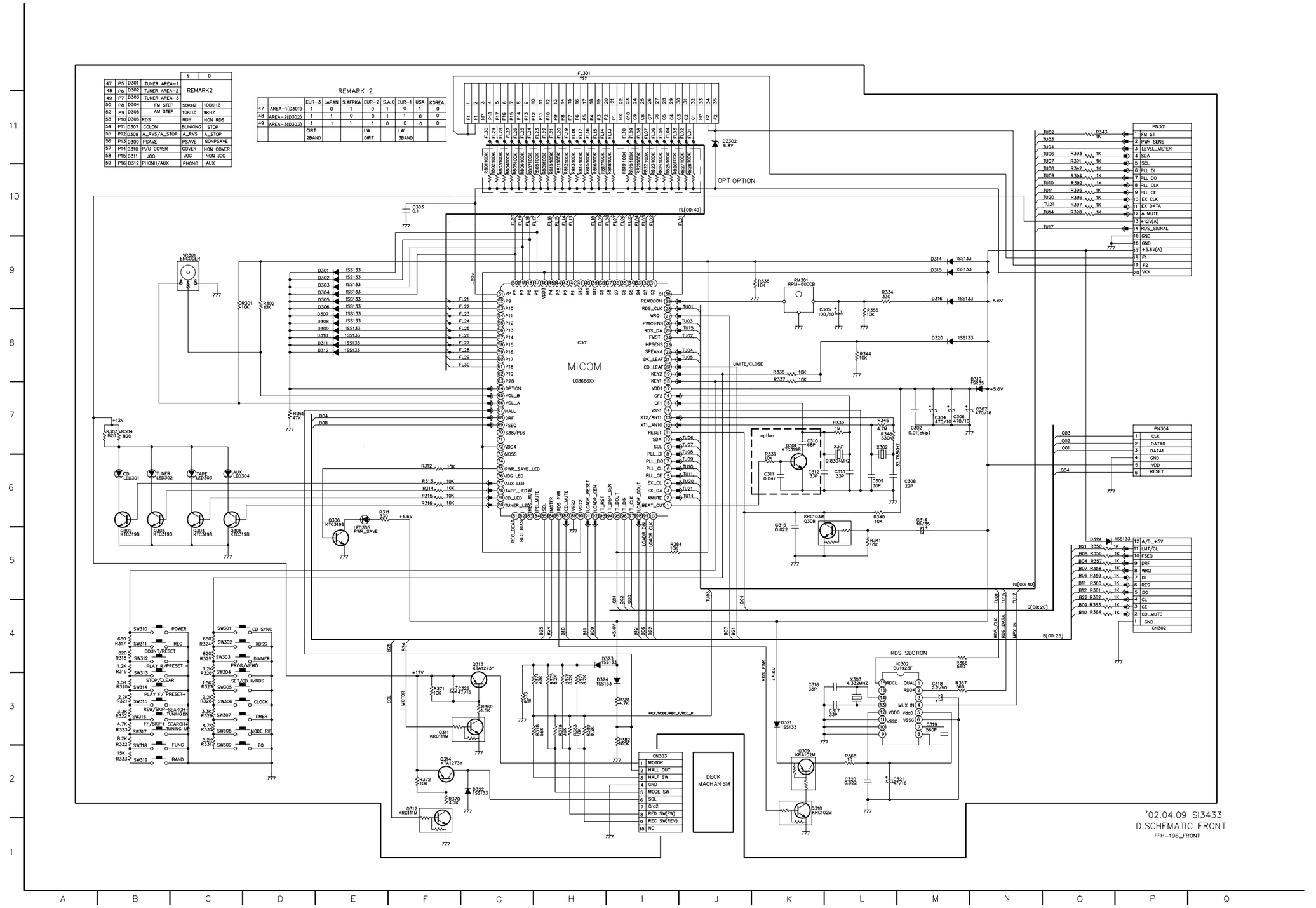
TL : TUNER LW BAND
TS : TUNER SW BAND
TO : ORT BAND
TJ : JAPAN BAND
D : DE-EMPHASIS 75MICRO SEC
T2 : 2-BAND
AR : DECK AUTO REVERSE

G : GOST-K/R
NCE : NON CE AREA
R : RDS OPTION
UL : UL AREA
CE : CE AREA
AX : GOST-K/R

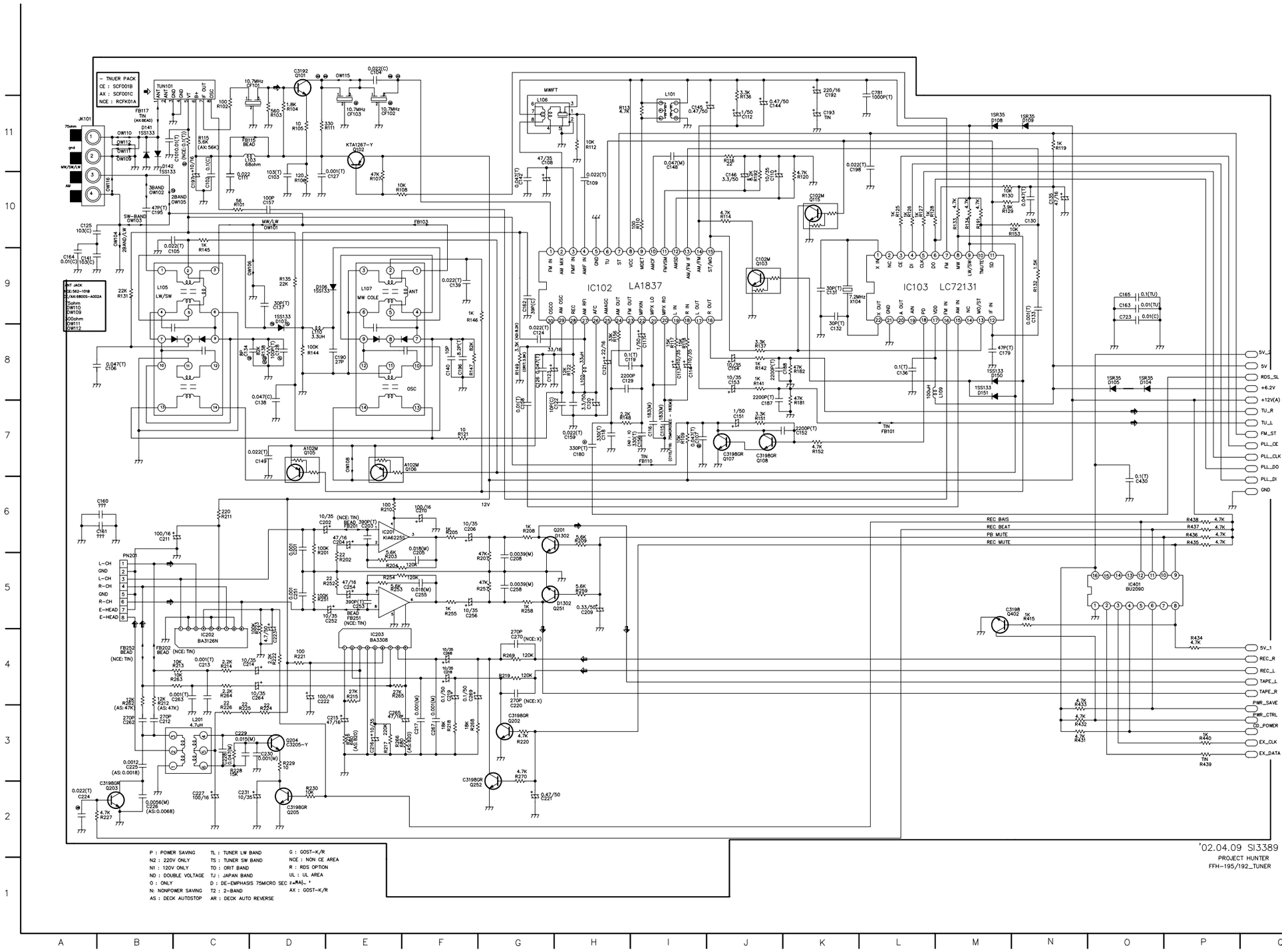
LOCATION GUIDE

+12V(A)	A8	D802	I4	R724	J9
+6.2V	A4	EX_CLK	A3	R725	N10
5V	A4	EX_DATA	A3	R726	J6
5V_1	A4	F601	P3	R750	L10
5V_2	A7	F602	O6	R751	J9
C166	C5	F603	O5	R752	J9
C354	I11	FB402	C9	R753	K9
C400	B11	FB403	B9	R754	L10
C401	F10	FB404	B9	R755	K10
C402	F10	FB601	O5	R756	N8
C403	F10	FB602	M4	R757	N8
C404	F9	FB701	N10	R758	O8
C405	F9	FB704	P10	R759	O8
C406	F9	FB751	K10	R760	O8
C407	F8	FB752	P7	R761	I2
C408	G8	FB754	P10	R775	L10
C410	I9	FM_ST	A8	R801	I4
C411	I10	GND	A7	R802	H4
C413	I10	H501	K5	RDS_SL	A7
C414	J11	IC400	H10	REC_L	A3
C415	I10	IC601	M3	REC_R	A4
C431	J11	IC602	M5	RLY	A7
C450	B11	IC603	M6	RY601	O4
C451	F10	IC701	M11	RY710	M8
C452	F10	IC703	H5	SW601	Q6
C453	F11	JK700	Q11	T601	P6
C455	F9	JK701	P9	T602	O3
C456	F9	JK705	A11	TAPE_L	A3
C457	F8	L701	P8	TAPE_R	A3
C458	F8	L702	P7	TM601	P3
C460	I9	L703	P8	TM602	P2
C461	I10	OW601	P3	TU_L	A8
C462	O7	OW602	Q4	TU_R	A8
C464	I10	OW603	P5	ZD702	H2
C470	E7	OW604	P3	ZD801	H3
C471	E8	OW605	O3		
C472	E5	OW606	P5		
C473	D4	OW702	J2		
C488	I8	OW703	J2		
C489	I8	OW704	M9		
C601	N2	OW705	M7		
C603	O5	PLL_CE	A8		
C604	O5	PLL_CLK	A8		
C605	N2	PLL_DI	A7		
C606	N5	PLL_DO	A7		
C607	N5	PN500	A9		
C608	M5	PN501	L5		
C609	N5	PN601	P2		
C610	L5	PN602	O2		
C701	N10	PN709	B6		
C702	K8	PWR_CTRL	A3		
C703	N10	PWR_SAVE	E2		
C705	N8	Q450	E7		
C706	P8	Q451	E5		
C707	P11	Q601	O3		
C708	M9	Q701	J8		
C709	L9	Q702	J8		
C710	L7	Q704	F6		
C712	E6	Q705	F5		
C713	N9	Q710	L7		
C717	H6	Q751	J10		
C718	G5	Q801	H4		
C719	K2	R400	B11		
C720	H2	R401	C11		
C721	G2	R402	E9		
C723	O7	R403	F8		
C724	J8	R404	G7		
C728	M10	R407	I9		
C729	M9	R408	I9		
C731	M9	R409	J9		
C751	K10	R411	H11		
C752	K9	R412	I11		
C753	K10	R413	B10		
C755	N7	R414	C10		
C756	O8	R416	E8		
C757	P10	R418	E8		
C758	P11	R419	D8		
C763	K9	R420	D7		
C770	J4	R421	E7		
C771	J4	R422	F7		
C772	O7	R423	D5		
C773	I3	R424	E4		
C774	I3	R430	F5		
C775	H4	R450	B11		
C776	L9	R451	C11		
C778	L10	R452	E9		
C780	C4	R453	F8		
C781	L9	R454	F7		
CD_POWER	B5	R458	E8		
D601	N4	R459	J10		
D602	L3	R460	E8		
D603	N2	R463	B10		
D604	N3	R464	C10		
D605	N2	R600	O3		
D606	N6	R601	N3		
D607	N5	R701	J8		
D608	N5	R702	K8		
D609	N5	R703	N9		
D610	L3	R704	M10		
D611	M5	R705	N10		
D612	M6	R706	M8		
D616	M2	R707	N8		
D704	H5	R708	O8		
D705	F6	R709	O8		
D706	I2	R710	O8		
D709	G6	R711	M7		
D710	M7	R712	L7		
D711	E4	R713	H4		
D712	D5	R716	F6		
D713	G6	R717	F6		
D714	E6	R718	H2		
D715	I6	R719	H2		
D716	D5	R720	F3		
D717	M7	R721	F2		
D722	H6	R722	F2		
D801	I4	R723	F2		

FRONT/POWER SCHEMATIC DIAGRAM



• TUNER SCHEMATIC DIAGRAM



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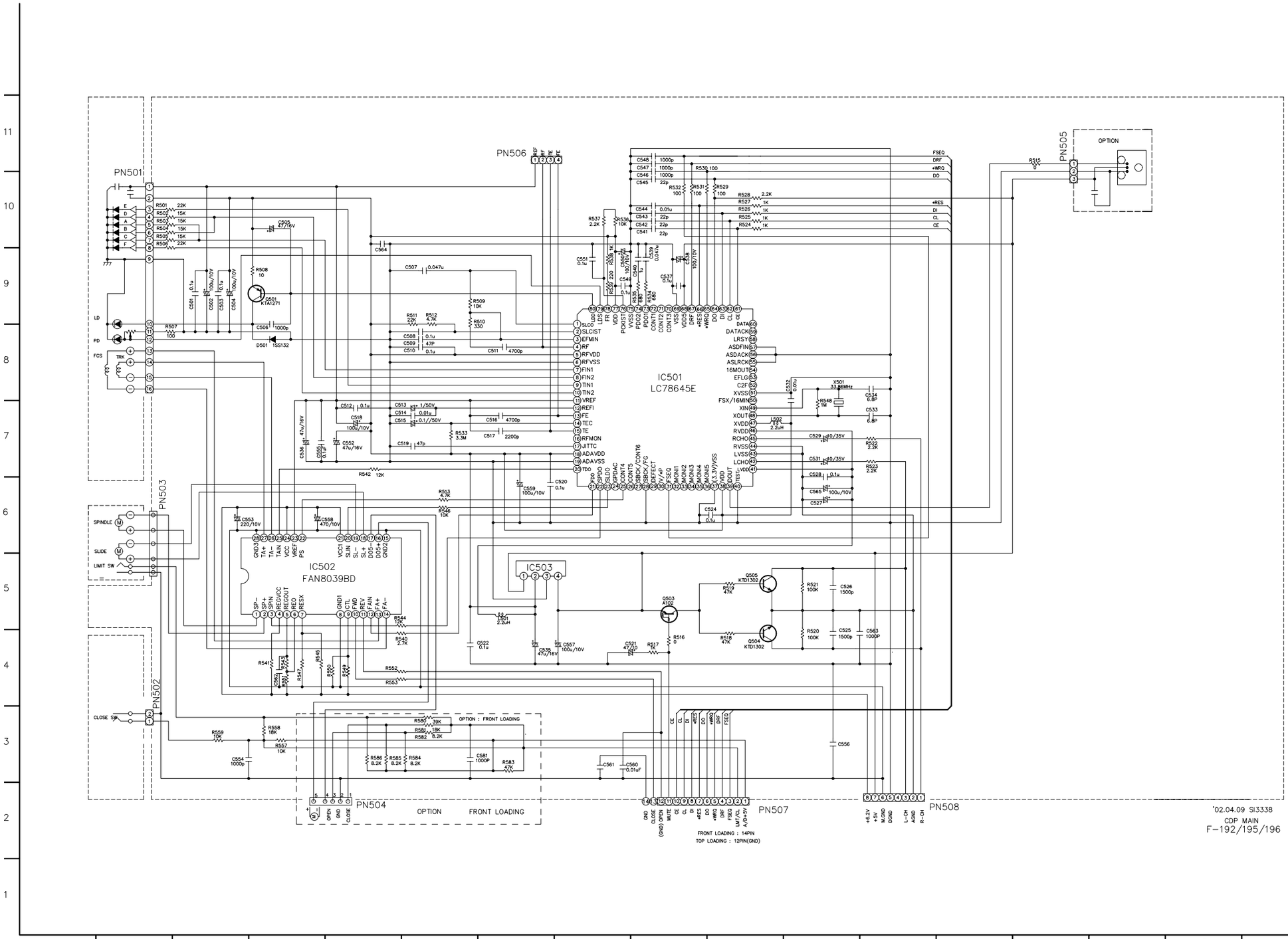
LOCATION GUIDE

+12V(A)	Q7	C264	D4	R131	B9
+6.2V	Q8	C265	E3	R132	N9
5V	Q8	C267	F3	R133	M10
5V_1	Q4	C268	F4	R134	M10
5V_2	Q8	C269	F4	R135	D9
C101	C11	C270	G4	R136	J11
C102	C10	C430	O6	R137	J8
C103	D10	C723	O9	R138	D8
C104	E12	C781	L12	R141	J8
C105	B9	CD_POWER	Q3	R142	J8
C106	B8	CF101	C12	R144	D8
C107	I7	CF102	E11	R145	C9
C108	G11	CF103	E11	R146	F9
C109	H10	D104	O8	R147	F8
C110	J10	D105	O8	R148	H7
C111	C10	D106	D9	R149	G8
C112	J11	D107	D9	R151	J7
C113	I8	D108	M11	R152	K7
C114	I8	D109	N11	R153	M10
C115	I7	D141	B11	R156	H8
C116	I7	D142	B11	R181	K7
C117	I8	D150	M8	R182	K8
C118	H7	D151	M8	R191	M10
C119	H8	EX_CLK	Q3	R192	J10
C120	H7	EX_DATA	Q3	R201	D5
C121	H8	FB101	L7	R202	E5
C122	H7	FB103	F10	R203	E5
C123	G8	FB110	I7	R204	E5
C124	G8	FB115	C11	R205	F6
C125	A10	FB117	B11	R207	F5
C126	G8	FB201	E6	R208	G6
C127	E10	FB202	B4	R209	H6
C128	D8	FB251	E5	R210	E6
C129	H8	FB252	E4	R211	C6
C130	N10	FM_ST	Q7	R212	B4
C131	K9	GND	Q6	R213	C4
C132	K8	IC102	H9	R214	C4
C133	N9	IC103	L9	R215	E4
C134	C8	IC201	C8	R216	E3
C135	N10	IC202	C4	R217	E3
C136	L8	IC203	E4	R218	F3
C137	D9	IC401	O5	R219	G4
C138	D7	JK101	A11	R220	G3
C139	F9	L101	I11	R221	D4
C140	F8	L102	H8	R222	D4
C141	A9	L103	C11	R223	D4
C142	G10	L105	B9	R224	D3
C144	J11	L106	G11	R225	C3
C145	I11	L107	E9	R226	C3
C146	J10	L109	M8	R227	B2
C148	I11	L110	D8	R228	C3
C149	D7	L201	C3	R229	D3
C151	J7	OW101	D10	R230	D2
C152	K7	OW102	B10	R251	D5
C153	J8	OW103	B10	R252	D5
C154	J8	OW104	B10	R253	E5
C156	I7	OW105	B10	R254	E5
C157	D10	OW106	D9	R255	F5
C158	G7	OW108	E7	R257	F5
C159	H7	OW109	B11	R258	G5
C160	B6	OW110	B11	R259	H5
C161	B6	OW111	B11	R262	B4
C162	G9	OW112	B11	R263	B4
C163	O9	OW115	E12	R264	C4
C164	A9	OW116	B10	R265	E4
C165	O9	PLL_CE	Q7	R266	E3
C179	M8	PLL_CLK	Q7	R268	F3
C180	H7	PLL_DI	Q6	R269	G4
C187	J7	PLL_DO	Q7	R270	G3
C188	K8	PN201	B5	R415	N5
C190	E8	PWR_CTRL	Q3	R431	N3
C192	K11	PWR_SAVE	Q4	R432	N3
C193	K11	Q101	D12	R433	N3
C195	B10	Q102	E11	R434	P4
C196	F8	Q103	J9	R435	P6
C197	C10	Q105	D7	R436	P6
C198	K11	Q106	F7	R437	P6
C201	D5	Q107	J7	R438	P6
C202	D6	Q108	J7	R439	P3
C203	E6	Q115	K10	R440	P3
C204	E6	Q201	H6	RDS_SL	Q8
C205	F5	Q202	G3	REC_L	Q4
C206	F6	Q203	B2	REC_R	Q4
C208	G5	Q204	D3	TAPE_L	Q4
C209	H5	Q205	D2	TAPE_R	Q4
C210	F6	Q251	G5	TUN101	B12
C211	B6	Q252	F2	TU_L	Q7
C212	B3	Q402	M5	TU_R	Q7
C213	C4	R101	C10	X104	K9
C214	C4	R102	C11		
C215	E3	R103	D11		
C216	E3	R104	D11		
C217	F3	R105	D11		
C218	F4	R106	D10		
C219	F4	R107	E10		
C220	G3	R108	E10		
C221	G2	R109	I7		
C222	D4	R110	I10		
C223	D4	R111	D11		
C224	A2	R112	H11		
C225	B3	R113	H11		
C226	B2	R114	J10		
C227	C2	R115	C11		
C228	C3	R116	J11		
C229	C3	R117	I8		
C230	D3	R118	I8		
C231	C2	R119	N11		
C251	D5	R120	K10		
C252	E5	R121	F7		
C253	E5	R122	H8		
C254	E5	R125	L10		
C255	F5	R126	L10		
C256	F5	R127	L10		
C258	G5	R128	L10		
C262	B3	R129	M10		
C263	B4	R130	M10		

• CDP SCHEMATIC DIAGRAM



LOCATION GUIDE

•RES	L10	R520	K4
•RES	I3	R521	K5
•WRQ	L11	R522	L7
•WRQ	J3	R523	L7
C501	C9	R524	J10
C502	C9	R525	J10
C503	C9	R526	J10
C504	C9	R527	J10
C505	D10	R528	J10
C506	D8	R529	J10
C507	F9	R530	I11
C508	F8	R531	I10
C509	F8	R532	I10
C510	F8	R533	F7
C511	G8	R534	I9
C512	E7	R535	I9
C513	E7	R536	H10
C514	E7	R537	H10
C515	E7	R538	H9
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C518	E7	R541	D4
C519	E7	R542	E7
C520	H6	R543	D4
C521	H4	R544	E5
C522	F4	R545	D4
C524	I6	R546	F6
C525	K4	R547	D4
C526	K5	R548	K7
C527	K6	R549	E4
C528	K7	R550	E4
C529	K7	R551	D4
C531	K7	R552	E4
C532	K8	R553	E4
C533	L7	R557	D3
C534	L8	R558	D3
C535	G4	R559	C3
C536	D7	R580	F3
C537	I9	R581	F3
C538	I9	R582	F3
C539	I9	R583	G3
C540	I9	R584	F3
C541	I10	R585	E3
C542	I10	R586	E3
C543	I10	X501	K8
C544	I10		
C545	I10		
C546	I10		
C547	I11		
C548	I11		
C549	H9		
C550	H9		
C551	H9		
C552	E7		
C553	C6		
C554	C3		
C555	D7		
C556	K3		
C557	H4		
C558	D6		
C559	G6		
C560	H3		
C561	H3		
C562	D4		
C563	L4		
C564	E9		
C565	K6		
C581	F3		
CE	L10		
CE	I3		
CL	L10		
CL	I3		
D501	D8		
DI	L10		
DI	I3		
DO	L10		
DO	I3		
DRF	L11		
DRF	J3		
FSEQ	L11		
FSEQ	J3		
IC501	I8		
IC502	D5		
IC503	G5		
L501	G5		
L502	J7		
PN501	B10		
PN502	B3		
PN503	B6		
PN504	E2		
PN505	N11		
PN506	G11		
PN507	J2		
PN508	L2		
Q501	D9		
Q503	I5		
Q504	J4		
Q505	J5		
R501	B10		
R502	B10		
R503	B10		
R504	B10		
R505	B10		
R506	B10		
R507	B8		
R508	D9		
R509	F9		
R510	F9		
R511	F9		
R512	F9		
R513	F6		
R515	N11		
R516	I4		
R517	I4		
R518	J4		
R519	J5		