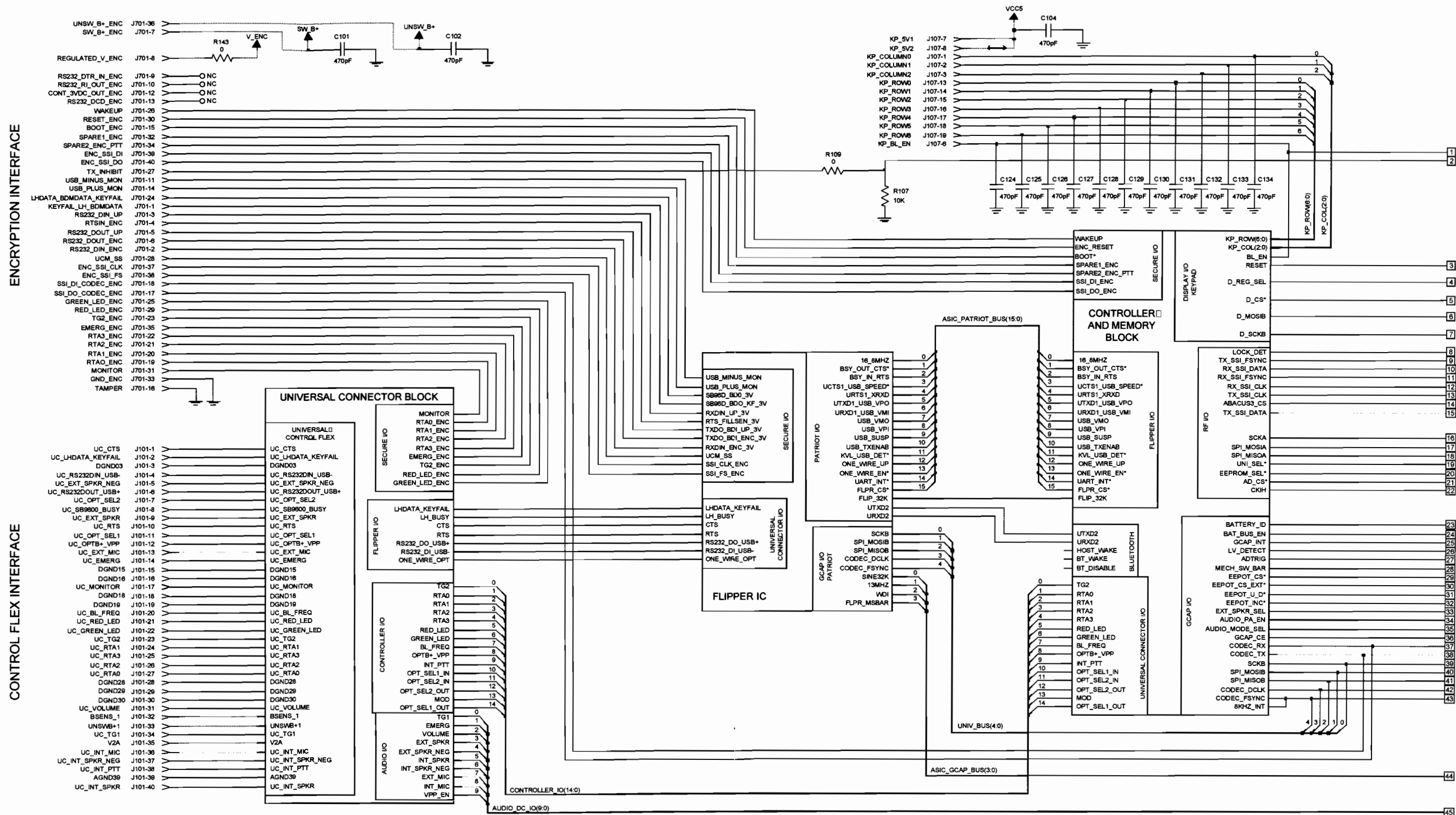


Ref. Des.	Part Number	Description
R548	0662057N06	RES. CHIP 20K 5% 20X40
R549	0662057M98	RES. CHIP 10K 5% 20X40
R550	0662057N17	RES. CHIP 56K 5% 20X40
R551	0662057N06	RES. CHIP 20K 5% 20X40
R553	0662057M98	RES. CHIP 10K 5% 20X40
R554	0662057N17	RES. CHIP 56K 5% 20X40
R555	0662057M74	RES. CHIP 1000 5% 20X40
R556	0662057N06	RES. CHIP 20K 5% 20X40
R557	0662057M98	RES. CHIP 10K 5% 20X40
R558	0662057M94	RES. CHIP 6800 5% 20X40
R559	0662057M98	RES. CHIP 10K 5% 20X40
R560	0662057M01	RES. CHIP 0 5% 20X40
R561	0662057M74	RES. CHIP 1000 5% 20X40
R563	0662057M64	RES. CHIP 390 5% 20X40
R564	0662057M98	RES. CHIP 10K 5% 20X40
R565	0662057M82	RES. CHIP 2200 5% 20X40
R566	0662057M95	RES. CHIP 7500 5% 20X40
R567	0662057N15	RES. CHIP 47K 5% 20X40
R568	0662057N15	RES. CHIP 47K 5% 20X40
R569	0662057M90	RES. CHIP 4700 5% 20X40
R572	0662057M50	RES. CHIP 100 5% 20X40
R573	0662057N23	RES. CHIP 100K 5% 20X40
R574	0662057N23	RES. CHIP 100K 5% 20X40
R575	0662057M98	RES. CHIP 10K 5% 20X40
R576	0662057N23	RES. CHIP 100K 5% 20X40
R577	0662057N15	RES. CHIP 47K 5% 20X40
R578	0662057N15	RES. CHIP 47K 5% 20X40
R579	NOTPLACED	NOTPLACED
R580	NOTPLACED	NOTPLACED
R581	0662057M01	RES. CHIP 0 5% 20X40
R582	0662057M90	RES. CHIP 4700 5% 20X40
R583	0662057M90	RES. CHIP 4700 5% 20X40
R584	0662057M98	RES. CHIP 10K 5% 20X40
R585	0662057M98	RES. CHIP 10K 5% 20X40

Ref. Des.	Part Number	Description
R586	0662057N39	RES. CHIP 470K 5% 20X40
R587	0662057M34	RES. CHIP 22 5% 20X40
R588	0662057M34	RES. CHIP 22 5% 20X40
R589	0662057M98	RES. CHIP 10K 5% 20X40
R590	NOTPLACED	NOTPLACED
R591	NOTPLACED	NOTPLACED
RESET_OUT	NOTPLACED	NOTPLACED
S101	NOTPLACED	NOTPLACED
SCKA	NOTPLACED	NOTPLACED
SCKB	NOTPLACED	NOTPLACED
TCK	NOTPLACED	NOTPLACED
TDI	NOTPLACED	NOTPLACED
TDO	NOTPLACED	NOTPLACED
TMS	NOTPLACED	NOTPLACED
TP201	NOTPLACED	NOTPLACED
TP202	NOTPLACED	NOTPLACED
TP206	NOTPLACED	NOTPLACED
TP207	NOTPLACED	NOTPLACED
TP208	NOTPLACED	NOTPLACED
TP209	NOTPLACED	NOTPLACED
TP210	NOTPLACED	NOTPLACED
TP211	NOTPLACED	NOTPLACED
TP212	NOTPLACED	NOTPLACED
TP213	NOTPLACED	NOTPLACED
TP214	NOTPLACED	NOTPLACED
TP215	NOTPLACED	NOTPLACED
TRST	NOTPLACED	NOTPLACED
U201	5109731C15	IC OP AMP SNGL OPA237 SOT23
U202	5109731C15	IC OP AMP SNGL OPA237 SOT23
U301	5185368C66	IC CUSTOM FLIPPER
U302	5105492X92	IC CMOS BILATERAL SWITCH

Ref. Des.	Part Number	Description
U303	5109522E53	IC SNGL BUF NC7S125P5X SC70
U401	5109841C69	IC 256 BGA 17X17 PACKAGE PATRIOT
U402	5199485A01	IC FLASH 8MBYTE BURST BGA
U403	5185368C82	IC 1.65 TO 2.2V, 70NS, 8MBIT SRAM
U404	5109522E53	IC SNGL BUF NC7S125P5X SC70
U405	5109522E53	IC SNGL BUF NC7S125P5X SC70
U406	5105492X03	IC SNG HI SPD L-MOS NOT GATE
U501	5109879E58	IC 4.3 GCAPII SN104616DGGMR BG
U502	5109731C15	IC OP AMP SNGL OPA237 SOT23
U503	5102463J44	IC AUDIO PA (PHILIPS_20PIN)
U504	5109731C15	IC OP AMP SNGL OPA237 SOT23
U505	5185353D13	IC MINI SO-8 HI PRECISION REG 5V
U507	5109731C15	IC OP AMP SNGL OPA237 SOT23
U509	5185353D35	IC DUAL EEPOT 256 TAP
U510	5105492X92	IC CMOS BILATERAL SWITCH
U511	5185353D56	IC 3.3V LINEAR REGULATOR MC78LC 33NTR
U512	NOTPLACED	NOTPLACED
VR201	4813832C72	TRANS SUP QUAD 12V
VR202	4813830A22	DIODE 9.1V 5% 225MW MMBZ5239B_
VR203	4813832C72	TRANS SUP QUAD 12V
VR204	4813830C26	DIODE 13V 'H3' MMSZ5243BT1
VR205	4805656W08	DIODE ZENER QUAD
VR206	4805656W08	DIODE ZENER QUAD
VR209	4813832C72	TRANS SUP QUAD 12V

Ref. Des.	Part Number	Description
VR220	4805656W03	DIODE DUAL 5.6V ZENER
VR221	4805656W03	DIODE DUAL 5.6V ZENER
VR501	4813830A15	DIODE 5.6V 5% 225MW MMBZ5232B_
WAIT	NOTPLACED	NOTPLACED
Y301	4809995L05	XTAL QUARTZ 32.768KHZ CC4V-T1



63B81096C52-0
SHEET 1

Figure 8-79. NNTN4563A/B VOCON Board Overall Schematic—1 of 2

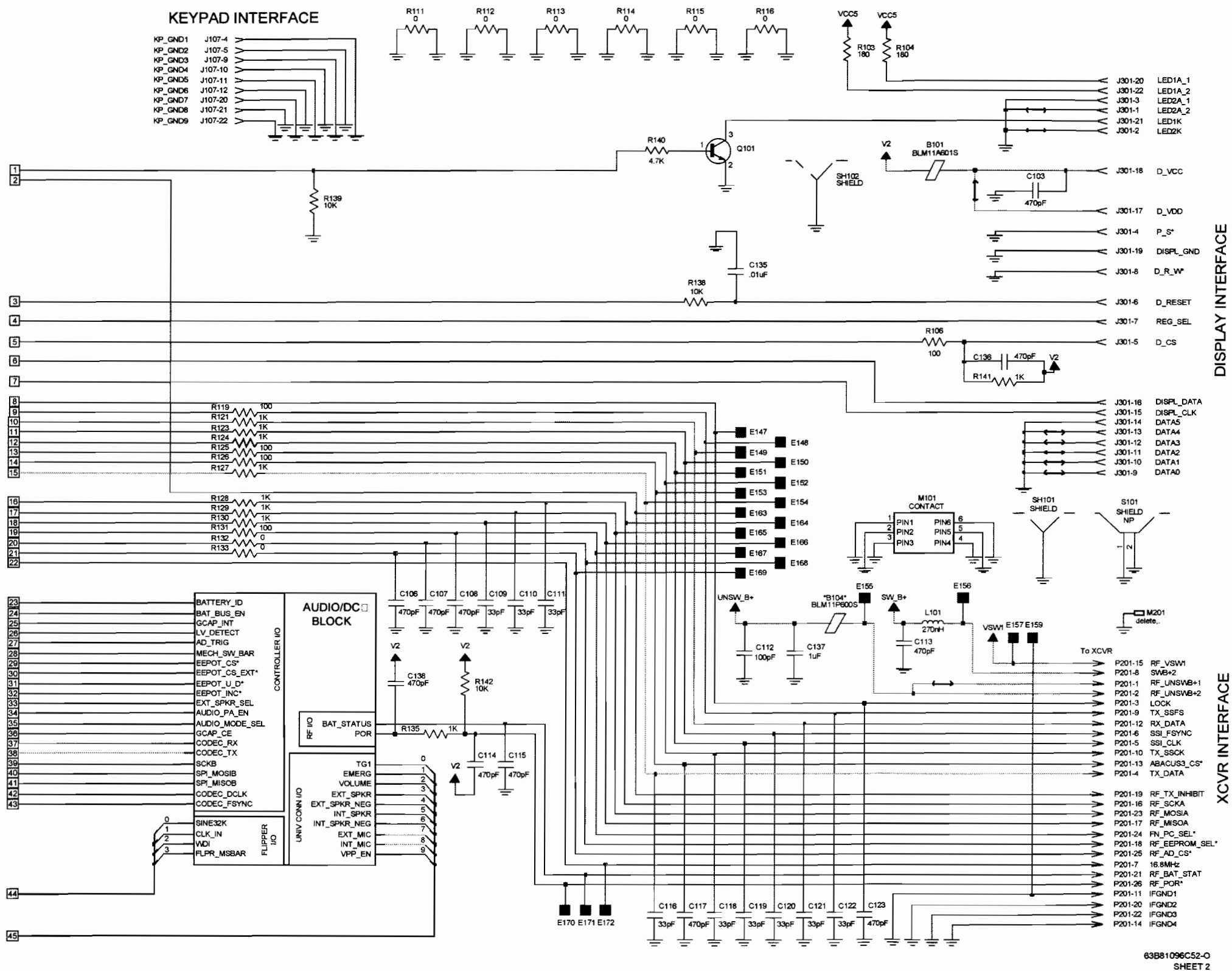


Figure 8-80. NNTN4563A/B VOCON Board Overall Schematic—2 of 2

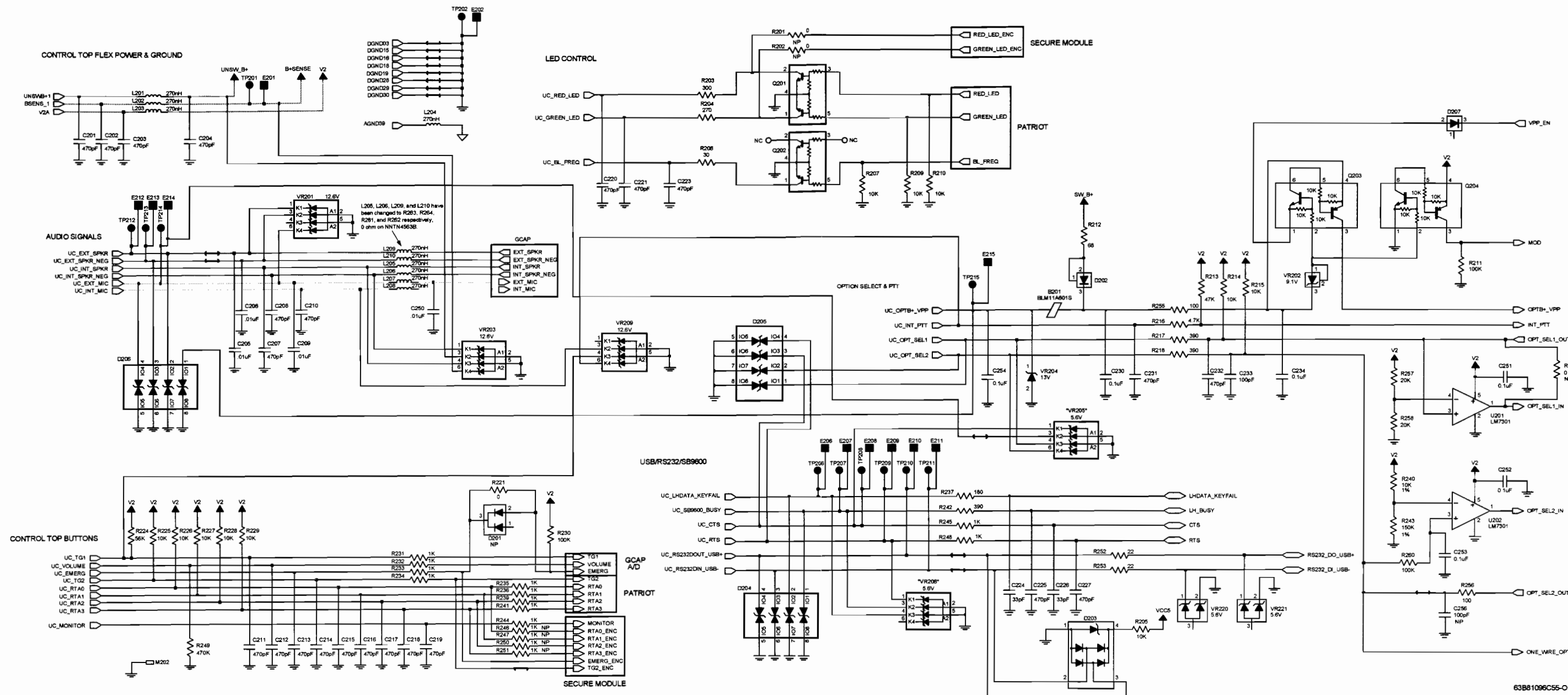


Figure 8-81. NNTN4563A/B VOCON Universal Connector Circuit

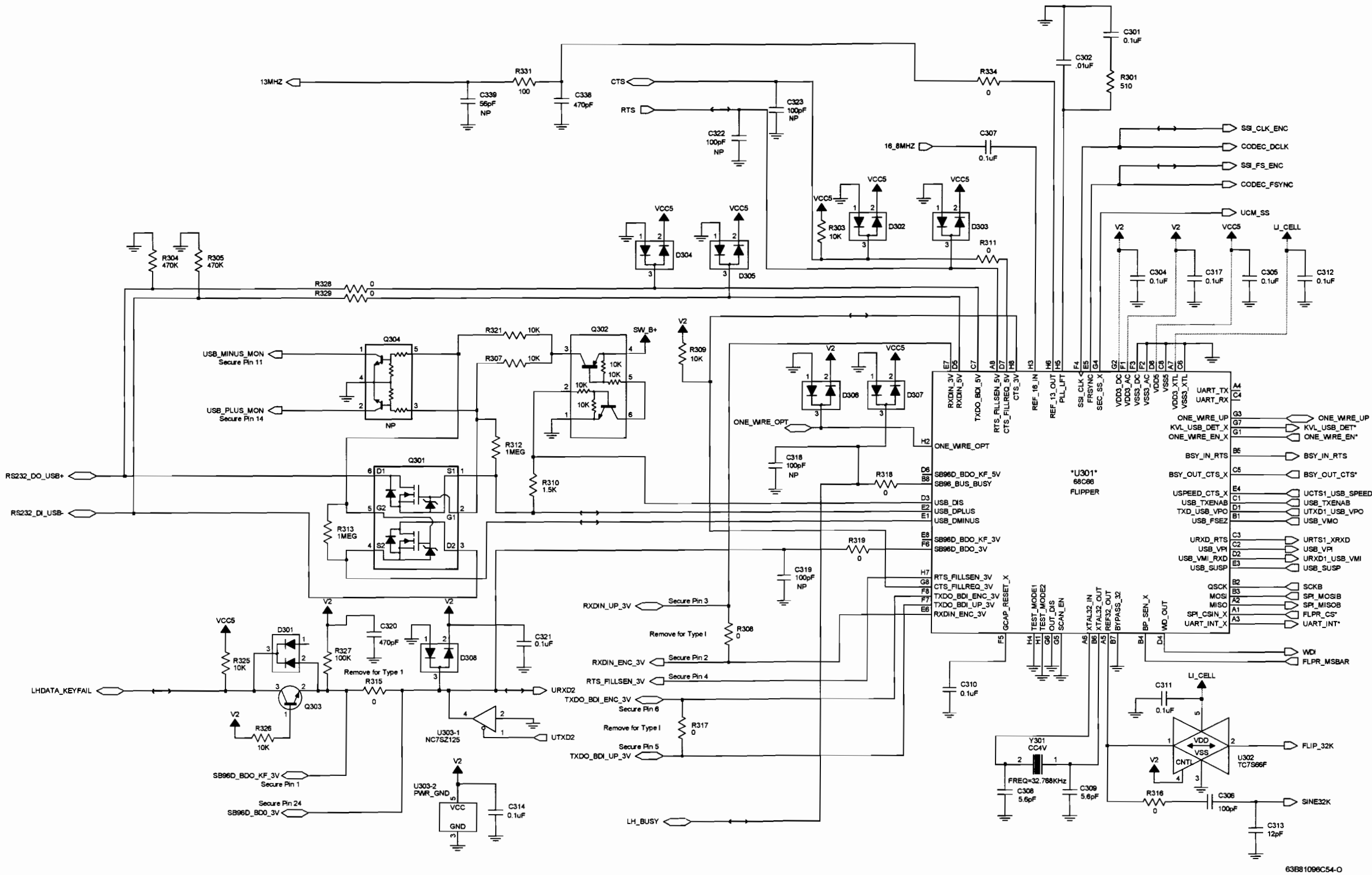


Figure 8-82. NNTN4563A/B VOCON Flipper Circuit

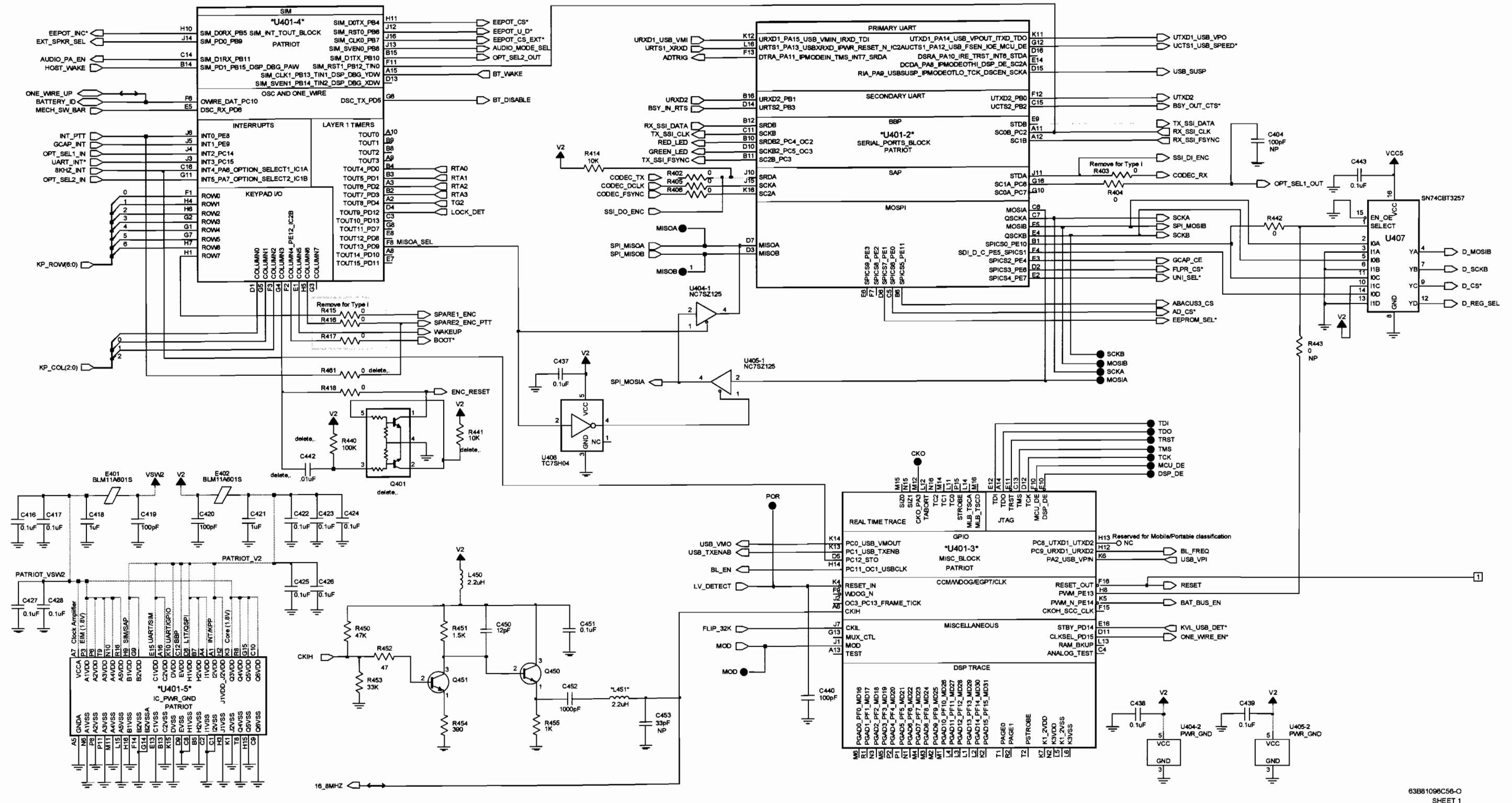
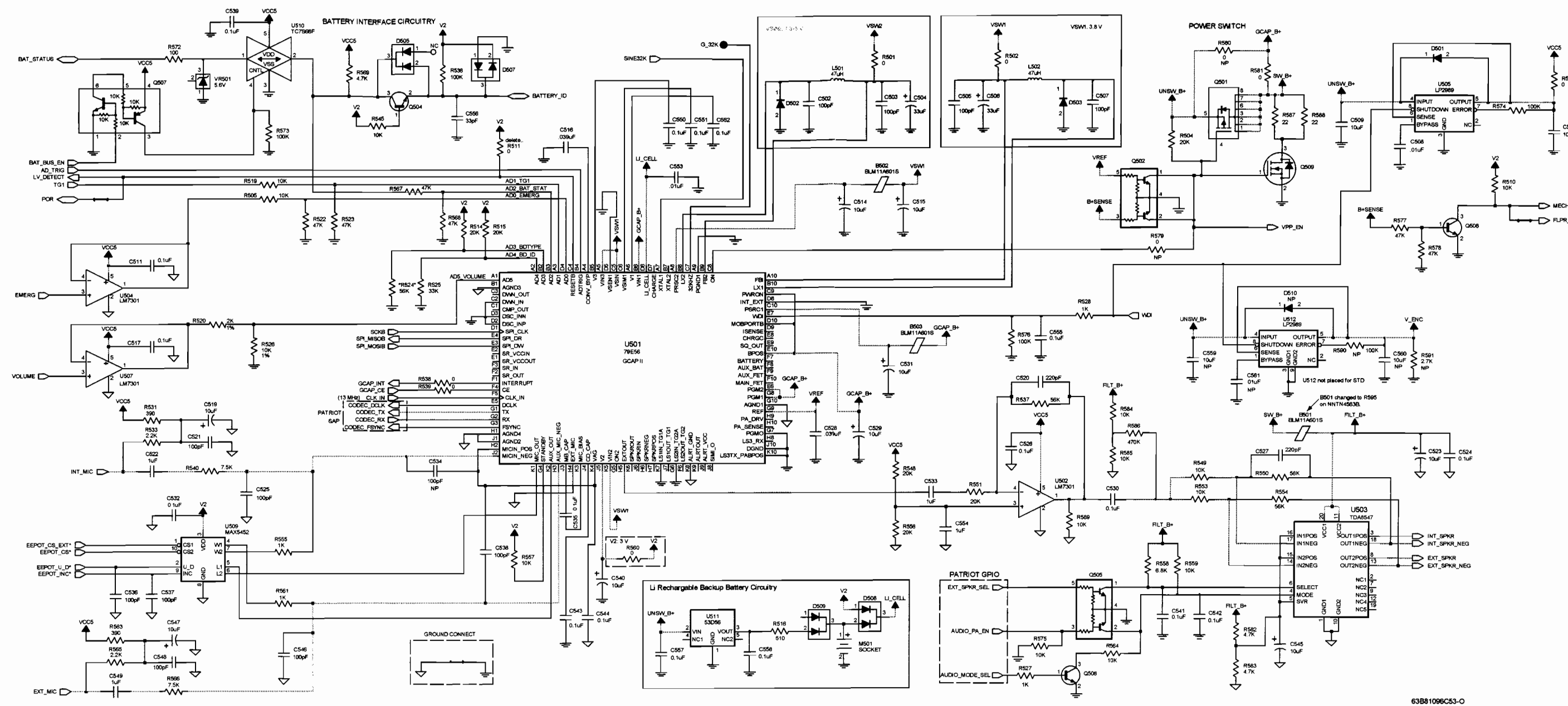


Figure 8-83. NNTN4563A/B VOCON Controller and Memory Circuits—1 of 2





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Figure 8-85. NNTN4563A/B VOCON Audio and DC Circuits

MAEPF-27523-O

NNTN4563A	NNTN4563B
L205	R263
L206	R264
L209	R261
L210	R262
B501	R595

6881094C31-D

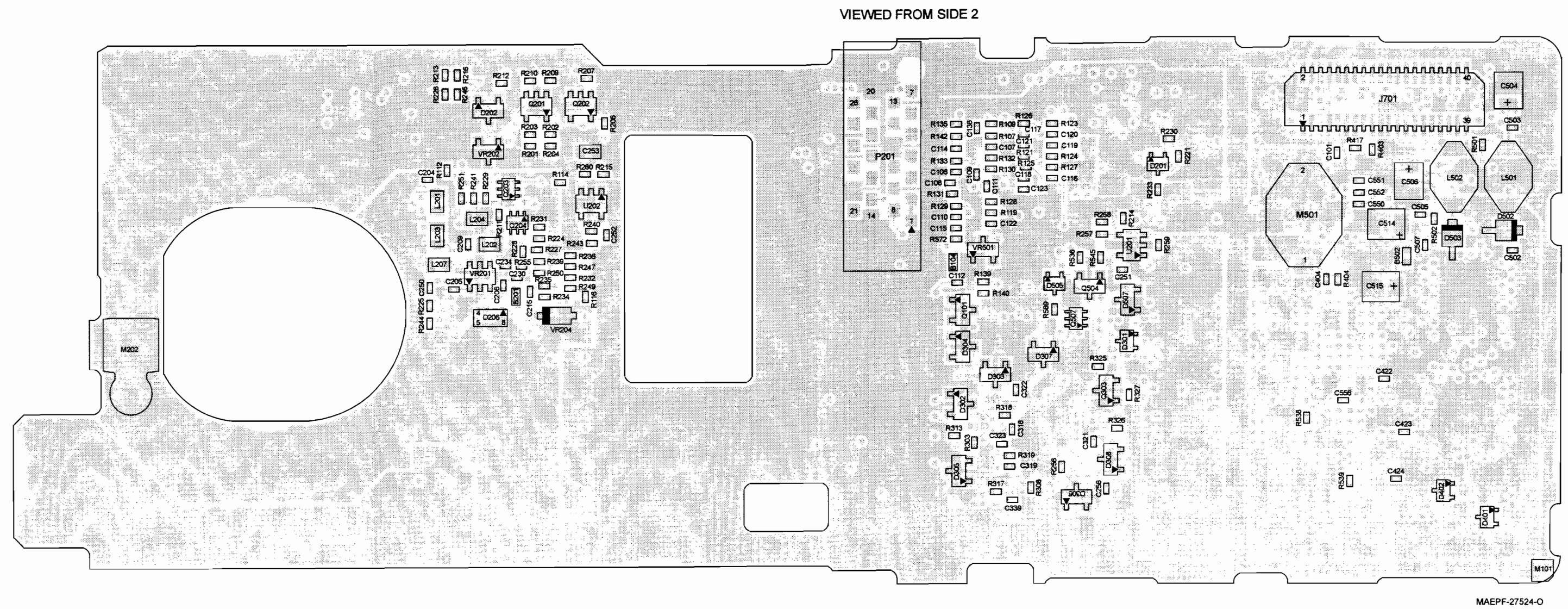


Figure 8-87. NNTN4563A/B VOCON Board Layout—Side 2

NNTN4563A/B VOCON Board Parts List

Ref Des	Part #	Description
—	1105033S02	RIBBON LABEL LT. PACK LABEL
—	1105033S13	RIBBON LBL
—	5405569Y02	LBL BARCODE APC
—	5405569Y03	LABEL BARCODE
—	5685647D01	UNI-BOARD CLAMSHELL
—	6003710K08	BATT COIN 3.3V LIION
B101	2480574F01	IND FERRITE CHIP 600 OHM 0603
B104	2462586G33	INDUCTOR CHIP FERRITE BEADS
B201	2480574F01	IND FERRITE CHIP 600 OHM 0603
B501	2480574F01	IND FERRITE CHIP 600 OHM 0603 (NNTN4563A only)
B502	2480574F01	IND FERRITE CHIP 600 OHM 0603
B503	2480574F01	IND FERRITE CHIP 600 OHM 0603
C101	2113743L09	CAP CHIP 470 PF 10% X7R
C102	2113743L09	CAP CHIP 470 PF 10% X7R
C103	2113743L09	CAP CHIP 470 PF 10% X7R
C104	2113743L09	CAP CHIP 470 PF 10% X7R
C106	2113743L09	CAP CHIP 470 PF 10% X7R
C107	2113743L09	CAP CHIP 470 PF 10% X7R
C108	2113743L09	CAP CHIP 470 PF 10% X7R
C109	2113743N38	CAP CHIP 33.0 PF 5% COG
C110	2113743N38	CAP CHIP 33.0 PF 5% COG
C111	2113743N38	CAP CHIP 33.0 PF 5% COG
C112	2113743N50	CAP CHIP 100 PF 5% COG
C113	2113743L09	CAP CHIP 470 PF 10% X7R
C114	2113743L09	CAP CHIP 470 PF 10% X7R
C115	2113743L09	CAP CHIP 470 PF 10% X7R
C116	2113743N38	CAP CHIP 33.0 PF 5% COG

Ref Des	Part #	Description
C117	2113743L09	CAP CHIP 470 PF 10% X7R
C118	2113743N38	CAP CHIP 33.0 PF 5% COG
C119	2113743N38	CAP CHIP 33.0 PF 5% COG
C120	2113743N38	CAP CHIP 33.0 PF 5% COG
C121	2113743N38	CAP CHIP 33.0 PF 5% COG
C122	2113743N38	CAP CHIP 33.0 PF 5% COG
C123	2113743L09	CAP CHIP 470 PF 10% X7R
C124	2113743L09	CAP CHIP 470 PF 10% X7R
C125	2113743L09	CAP CHIP 470 PF 10% X7R
C126	2113743L09	CAP CHIP 470 PF 10% X7R
C127	2113743L09	CAP CHIP 470 PF 10% X7R
C128	2113743L09	CAP CHIP 470 PF 10% X7R
C129	2113743L09	CAP CHIP 470 PF 10% X7R
C130	2113743L09	CAP CHIP 470 PF 10% X7R
C131	2113743L09	CAP CHIP 470 PF 10% X7R
C132	2113743L09	CAP CHIP 470 PF 10% X7R
C133	2113743L09	CAP CHIP 470 PF 10% X7R
C134	2113743L09	CAP CHIP 470 PF 10% X7R
C135	2113743L41	CAP CHIP 10000 PF 10% X7R
C136	2113743L09	CAP CHIP 470 PF 10% X7R
C137	2113743A31	CAP CHIP 1.0UF 10% X7R
C138	2113743L09	CAP CHIP 470 PF 10% X7R
C201	2113743L09	CAP CHIP 470 PF 10% X7R
C202	2113743L09	CAP CHIP 470 PF 10% X7R
C203	2113743L09	CAP CHIP 470 PF 10% X7R
C204	2113743L09	CAP CHIP 470 PF 10% X7R
C205	2113743L41	CAP CHIP 10000 PF 10% X7R
C206	2113743L41	CAP CHIP 10000 PF 10% X7R
C207	2113743L09	CAP CHIP 470 PF 10% X7R
C208	2113743L09	CAP CHIP 470 PF 10% X7R

Ref Des	Part #	Description
C209	2113743L41	CAP CHIP 10000 PF 10% X7R
C210	2113743L09	CAP CHIP 470 PF 10% X7R
C211	2113743L09	CAP CHIP 470 PF 10% X7R
C212	2113743L09	CAP CHIP 470 PF 10% X7R
C213	2113743L09	CAP CHIP 470 PF 10% X7R
C214	2113743L09	CAP CHIP 470 PF 10% X7R
C215	2113743L09	CAP CHIP 470 PF 10% X7R
C216	2113743L09	CAP CHIP 470 PF 10% X7R
C217	2113743L09	CAP CHIP 470 PF 10% X7R
C218	2113743L09	CAP CHIP 470 PF 10% X7R
C219	2113743L09	CAP CHIP 470 PF 10% X7R
C220	2113743L09	CAP CHIP 470 PF 10% X7R
C221	2113743L09	CAP CHIP 470 PF 10% X7R
C223	2113743L09	CAP CHIP 470 PF 10% X7R
C224	2113743N38	CAP CHIP 33.0 PF 5% COG
C225	2113743L09	CAP CHIP 470 PF 10% X7R
C226	2113743N38	CAP CHIP 33.0 PF 5% COG
C227	2113743L09	CAP CHIP 470 PF 10% X7R
C230	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C231	2113743L09	CAP CHIP 470 PF 10% X7R
C232	2113743L09	CAP CHIP 470 PF 10% X7R
C233	2113743N50	CAP CHIP 100 PF 5% COG
C234	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C250	2113743L41	CAP CHIP 10000 PF 10% X7R
C251	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C252	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C253	2113743A19	CAP CHIP 100 UF 10% X7R
C254	2113743M24	CAP CHIP 100000 PF +80-20% Y5V

Ref Des	Part #	Description
C256	NOTPLACED	NOTPLACED
C301	2113743E20	CAP CHIP 10 UF 10%
C302	2113743L41	CAP CHIP 10000 PF 10% X7R
C304	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C305	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C306	2113743N50	CAP CHIP 100 PF 5% COG
C307	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C308	2113743N20	CAP CHIP 5.6PF +/-5PF COG
C309	2113743N20	CAP CHIP 5.6PF +/-5PF COG
C310	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C311	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C312	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C313	2113743N28	CAP CHIP 12.0 PF 5% COG
C314	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C317	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C318	NOTPLACED	NOTPLACED
C319	NOTPLACED	NOTPLACED
C320	2113743L09	CAP CHIP 470 PF 10% X7R
C321	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C322	NOTPLACED	NOTPLACED
C323	NOTPLACED	NOTPLACED
C338	2113743L09	CAP CHIP 470 PF 10% X7R
C339	NOTPLACED	NOTPLACED
C401	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C404	NOTPLACED	NOTPLACED

Ref Des	Part #	Description
C409	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C411	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C416	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C417	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C418	2113743A31	CAP CHIP 1.0UF 10% X7R
C419	2113743N50	CAP CHIP 100 PF 5% COG
C420	2113743N50	CAP CHIP 100 PF 5% COG
C421	2113743A31	CAP CHIP 1.0UF 10% X7R
C422	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C423	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C424	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C425	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C426	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C427	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C428	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C437	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C438	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C439	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C440	2113743N50	CAP CHIP 100 PF 5% COG
C441	2113743L09	CAP CHIP 470 PF 10% X7R
C442	NOTPLACED	NOTPLACED
C443	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C450	2113743N28	CAP CHIP 12.0 PF 5% COG
C451	2113743E20	CAP CHIP .10 UF 10%

Ref Des	Part #	Description
C452	2113743L17	CAP CHIP 1000 PF 10% X7R
C453	NOTPLACED	NOTPLACED
C502	2113743N50	CAP CHIP 100 PF 5% COG
C503	2113743N50	CAP CHIP 100 PF 5% COG
C504	2311049C52	CAP TANT CHIP 33UF 10% 10V
C505	2113743N50	CAP CHIP 100 PF 5% COG
C506	2311049C52	CAP TANT CHIP 33UF 10% 10V
C507	2113743N50	CAP CHIP 100 PF 5% COG
C508	2113743L41	CAP CHIP 10000 PF 10% X7R
C509	2113743T19	CAP 10UF 16V CER 3225 X5R
C510	2113743T19	CAP 10UF 16V CER 3225 X5R
C511	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C514	2311049A57	CAP TANT CHIP A/P 10UF 10% 16V
C515	2311049A57	CAP TANT CHIP A/P 10UF 10% 16V
C516	2113743E11	CAP CHIP .039 UF 10% X7R
C517	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C519	2311049A57	CAP TANT CHIP A/P 10UF 10% 16V
C520	2113743L01 2113743L05	CAP CHIP 220 PF 10% X7R (NNTN4563A) CAP CHIP 330 PF 10% X7R (NNTN4563B)
C521	2113743N50	CAP CHIP 100 PF 5% COG
C522	2113743A31	CAP CHIP 1.0UF 10% X7R
C523	2311049A57	CAP TANT CHIP A/P 10UF 10% 16V
C524	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C525	2113743N50	CAP CHIP 100 PF 5% COG

Ref Des	Part #	Description
C526	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C527	2113743L01 2113743N54	CAP CHIP 220 PF 10% X7R (NNTN4563A) CAP CHIP 150 PF 10% X7R (NNTN4563B)
C528	2113743E11	CAP CHIP .039 UF 10% X7R
C529	2311049A57	CAP TANT CHIP A/P 10UF 10% 16V
C530	2113743A19	CAP CHIP .100 UF 10% X7R
C531	2311049A57	CAP TANT CHIP A/P 10UF 10% 16V
C532	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C533	2113743A31	CAP CHIP 1.0UF 10% X7R
C534	NOTPLACED	NOTPLACED
C535	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C536	2113743N50	CAP CHIP 100 PF 5% COG
C537	2113743N50	CAP CHIP 100 PF 5% COG
C538	2113743N50	CAP CHIP 100 PF 5% COG
C539	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C540	2311049A57	CAP TANT CHIP A/P 10UF 10% 16V
C541	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C542	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C543	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C544	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C545	2311049A57	CAP TANT CHIP A/P 10UF 10% 16V
C546	2113743N50	CAP CHIP 100 PF 5% COG
C547	2311049A57	CAP TANT CHIP A/P 10UF 10% 16V

Ref Des	Part #	Description
C548	2113743N50	CAP CHIP 100 PF 5% COG
C549	2113743A31	CAP CHIP 1.0UF 10% X7R
C550	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C551	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C552	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C553	2113743L41	CAP CHIP 10000 PF 10% X7R
C554	2113743A31	CAP CHIP 1.0UF 10% X7R
C555	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C556	2113743N38	CAP CHIP 33.0 PF 5% COG
C557	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C558	2113743M24	CAP CHIP 100000 PF +80-20% Y5V
C559	NOTPLACED	NOTPLACED
C560	NOTPLACED	NOTPLACED
C561	NOTPLACED	NOTPLACED
CKO	NOTPLACED	NOTPLACED
CS0	NOTPLACED	NOTPLACED
CS2	NOTPLACED	NOTPLACED
D201	NOTPLACED	NOTPLACED
D202	4805129M90	DIODE SOT PKGD
D203	4802021P15	ZENER SR05
D204	4805656W39	QUAD ESD SUPPRESSOR ARRAY -
D205	4805656W39	QUAD ESD SUPPRESSOR ARRAY -
D206	4805656W39	QUAD ESD SUPPRESSOR ARRAY -
D207	4805129M90	DIODE SOT PKGD
D301	4805218N57	DIODE DUAL
D302	4805129M06	DIODE MMBD7000
D303	4805129M06	DIODE MMBD7000

Ref Des	Part #	Description
D304	4805129M06	DIODE MMBD7000
D305	4805129M06	DIODE MMBD7000
D306	4805129M06	DIODE MMBD7000
D307	4805129M06	DIODE MMBD7000
D308	4805129M06	DIODE MMBD7000
D401	4805218N57	DIODE DUAL
D402	4805218N57	DIODE DUAL
D501	4813833A20	DIODE SCHOTTKY 1A 40V PWRMITE
D502	4813833A20	DIODE SCHOTTKY 1A 40V PWRMITE
D503	4813833A20	DIODE SCHOTTKY 1A 40V PWRMITE
D505	4805218N57	DIODE DUAL
D507	4805129M06	DIODE MMBD7000
D508	4805218N57	DIODE DUAL
D509	4805218N57	DIODE DUAL
D510	NOTPLACED	NOTPLACED
DSP_DE	NOTPLACED	NOTPLACED
E147	NOTPLACED	NOTPLACED
E148	NOTPLACED	NOTPLACED
E149	NOTPLACED	NOTPLACED
E150	NOTPLACED	NOTPLACED
E151	NOTPLACED	NOTPLACED
E152	NOTPLACED	NOTPLACED
E153	NOTPLACED	NOTPLACED
E154	NOTPLACED	NOTPLACED
E155	NOTPLACED	NOTPLACED
E156	NOTPLACED	NOTPLACED
E157	NOTPLACED	NOTPLACED
E159	NOTPLACED	NOTPLACED
E163	NOTPLACED	NOTPLACED
E164	NOTPLACED	NOTPLACED
E165	NOTPLACED	NOTPLACED

Ref Des	Part #	Description
E166	NOTPLACED	NOTPLACED
E167	NOTPLACED	NOTPLACED
E168	NOTPLACED	NOTPLACED
E169	NOTPLACED	NOTPLACED
E170	NOTPLACED	NOTPLACED
E171	NOTPLACED	NOTPLACED
E172	NOTPLACED	NOTPLACED
E201	NOTPLACED	NOTPLACED
E202	NOTPLACED	NOTPLACED
E206	NOTPLACED	NOTPLACED
E207	NOTPLACED	NOTPLACED
E208	NOTPLACED	NOTPLACED
E209	NOTPLACED	NOTPLACED
E210	NOTPLACED	NOTPLACED
E211	NOTPLACED	NOTPLACED
E212	NOTPLACED	NOTPLACED
E213	NOTPLACED	NOTPLACED
E214	NOTPLACED	NOTPLACED
E215	NOTPLACED	NOTPLACED
E401	2480574F01	IND FERRITE CHIP 600 OHM 0603
E402	2480574F01	IND FERRITE CHIP 600 OHM 0603
G_32K	NOTPLACED	NOTPLACED
J101	0985185D01	CONN RECP 0.5MM PITCH 40 CKTS
J107	0987817K01	RECP BTB 0.5P 1.5 STACK SMD
J301	0987817K01	RECP BTB 0.5P 1.5 STACK SMD
J701	0980423L02	40PIN ROBIN CONN 3MM
L101	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD
L201	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD

Ref Des	Part #	Description
L202	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD
L203	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD
L204	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD
L205	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD (NNTN4563A only)
L206	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD (NNTN4563A only)
L207	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD
L208	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD
L209	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD (NNTN4563A only)
L210	2404574Z14	IND CHIP WW 270NH 2% 2012 SMD (NNTN4563A only)
L450	2462587Q20	IND CHIP 2,200 NH 20%
L451	0662057C01	CHIP RES 0 OHMS +.050 OHMS
L501	2486085A06	COIL 47UH SMT POWER INDUCTOR
L502	2486085A06	COIL 47UH SMT POWER INDUCTOR
M201	NOTPLACED	NOTPLACED
M202	3985951A01	CONTACT ANTENNA GROUND
M501	0985888K02	SKT RTC BTTY LEAP
MCU_DE	NOTPLACED	NOTPLACED
MISOA	NOTPLACED	NOTPLACED
MISOB	NOTPLACED	NOTPLACED
MOD	NOTPLACED	NOTPLACED
MOSIA	NOTPLACED	NOTPLACED
MOSIB	NOTPLACED	NOTPLACED
P201	NOTPLACED	NOTPLACED

Ref Des	Part #	Description
PCB	8485140D04	PCB MAIN
POR	NOTPLACED	NOTPLACED
Q101	4813824A10	TSTR NPN 40V .2A GEN PURP
Q201	4805921T09	XSTR DUAL ROHM FMG8
Q202	4805921T09	XSTR DUAL ROHM FMG8
Q203	4805723X03	TRANS DUAL NPN-PNP UMD3N ROHM
Q204	4805723X03	TRANS DUAL NPN-PNP UMD3N ROHM
Q301	4809579E35	TSTR FET DUAL N-CHAN FDG3601N
Q302	4805723X03	TRANS DUAL NPN-PNP UMD3N ROHM
Q303	4813824A10	TSTR NPN 40V .2A GEN PURP
Q304	NOTPLACED	NOTPLACED
Q401	NOTPLACED	NOTPLACED
Q450	4805793Y01	TRANS MINI SOT NPN LOW NOISE
Q451	4805793Y01	TRANS MINI SOT NPN LOW NOISE
Q501	4885844C01	XSTR FET
Q502	4805921T09	XSTR DUAL ROHM FMG8
Q504	4813824A10	TSTR NPN 40V .2A GEN PURP
Q505	4805921T09	XSTR DUAL ROHM FMG8
Q506	4813824A10	TSTR NPN 40V .2A GEN PURP
Q507	4805723X03	TRANS DUAL NPN-PNP UMD3N ROHM
Q508	4813824A10	TSTR NPN 40V .2A GEN PURP
Q509	4805218N11	XISTOR SOT RH BST82
R_W	NOTPLACED	NOTPLACED
R103	0662057M56	RES. CHIP 180 5% 20X40
R104	0662057M56	RES. CHIP 180 5% 20X40
R106	0662057M50	RES. CHIP 100 5% 20X40

Ref Des	Part #	Description
R107	0662057M98	RES. CHIP 10K 5% 20X40
R109	0662057M01	RES. CHIP 0 5% 20X40
R111	0662057M01	RES. CHIP 0 5% 20X40
R112	0662057M01	RES. CHIP 0 5% 20X40
R113	0662057M01	RES. CHIP 0 5% 20X40
R114	0662057M01	RES. CHIP 0 5% 20X40
R115	0662057M01	RES. CHIP 0 5% 20X40
R116	0662057M01	RES. CHIP 0 5% 20X40
R119	0662057M50	RES. CHIP 100 5% 20X40
R121	0662057M74	RES. CHIP 1000 5% 20X40
R123	0662057M74	RES. CHIP 1000 5% 20X40
R124	0662057M74	RES. CHIP 1000 5% 20X40
R125	0662057M50	RES. CHIP 100 5% 20X40
R126	0662057M50	RES. CHIP 100 5% 20X40
R127	0662057M74	RES. CHIP 1000 5% 20X40
R128	0662057M74	RES. CHIP 1000 5% 20X40
R129	0662057M74	RES. CHIP 1000 5% 20X40
R130	0662057M74	RES. CHIP 1000 5% 20X40
R131	0662057M50	RES. CHIP 100 5% 20X40
R132	0662057M01	RES. CHIP 0 5% 20X40
R133	0662057M01	RES. CHIP 0 5% 20X40
R135	0662057M74	RES. CHIP 1000 5% 20X40
R138	0662057M98	RES. CHIP 10K 5% 20X40
R139	0662057M98	RES. CHIP 10K 5% 20X40
R140	0662057M90	RES. CHIP 4700 5% 20X40
R141	0662057M74	RES. CHIP 1000 5% 20X40
R142	0662057M98	RES. CHIP 10K 5% 20X40
R143	0662057M01	RES. CHIP 0 5% 20X40
R201	NOTPLACED	NOTPLACED
R202	NOTPLACED	NOTPLACED
R203	0662057M61	RES. CHIP 300 5% 20X40
R204	0662057M60	RES. CHIP 270 5% 20X40
R205	0662057M98	RES. CHIP 10K 5% 20X40

Ref Des	Part #	Description
R206	0662057M37	20X40 30 OMH 5% CHIP RESISTOR
R207	0662057M98	RES. CHIP 10K 5% 20X40
R209	0662057M98	RES. CHIP 10K 5% 20X40
R210	0662057M98	RES. CHIP 10K 5% 20X40
R211	0662057N23	RES. CHIP 100K 5% 20X40
R212	0662057M46	RES. CHIP 68 5% 20X40
R213	0662057N15	RES. CHIP 47K 5% 20X40
R214	0662057M98	RES. CHIP 10K 5% 20X40
R215	0662057M98	RES. CHIP 10K 5% 20X40
R216	0662057M90	RES. CHIP 4700 5% 20X40
R217	0662057M64	RES. CHIP 390 5% 20X40
R218	0662057M64	RES. CHIP 390 5% 20X40
R221	0662057M01	RES. CHIP 0 5% 20X40
R224	0662057N17	RES. CHIP 56K 5% 20X40
R225	0662057M98	RES. CHIP 10K 5% 20X40
R226	0662057M98	RES. CHIP 10K 5% 20X40
R227	0662057M98	RES. CHIP 10K 5% 20X40
R228	0662057M98	RES. CHIP 10K 5% 20X40
R229	0662057M98	RES. CHIP 10K 5% 20X40
R230	0662057N23	RES. CHIP 100K 5% 20X40
R231	0662057M74	RES. CHIP 1000 5% 20X40
R232	0662057M74	RES. CHIP 1000 5% 20X40
R233	0662057M74	RES. CHIP 1000 5% 20X40
R234	0662057M74	RES. CHIP 1000 5% 20X40
R235	0662057M74	RES. CHIP 1000 5% 20X40
R236	0662057M74	RES. CHIP 1000 5% 20X40
R237	0662057M56	RES. CHIP 180 5% 20X40
R239	0662057M74	RES. CHIP 1000 5% 20X40
R240	0662057V02	RES CHIP 10K 1% 1/16W
R241	0662057M74	RES. CHIP 1000 5% 20X40
R242	0662057M64	RES. CHIP 390 5% 20X40

Ref Des	Part #	Description
R243	0662057V32	RESISTOR, 150 KOHM, 20X40, 1%
R244	0662057M74	RES. CHIP 1000 5% 20X40
R245	0662057M74	RES. CHIP 1000 5% 20X40
R246	NOTPLACED	NOTPLACED
R247	NOTPLACED	NOTPLACED
R248	0662057M74	RES. CHIP 1000 5% 20X40
R249	0662057N39	RES. CHIP 470K 5% 20X40
R250	NOTPLACED	NOTPLACED
R251	NOTPLACED	NOTPLACED
R252	0662057M34	RES. CHIP 22 5% 20X40
R253	0662057M34	RES. CHIP 22 5% 20X40
R255	0662057M50	RES. CHIP 100 5% 20X40
R256	0662057M50	RES. CHIP 100 5% 20X40
R257	0662057N06	RES. CHIP 20K 5% 20X40
R258	0662057N06	RES. CHIP 20K 5% 20X40
R259	NOTPLACED	NOTPLACED
R260	0662057N23	RES. CHIP 100K 5% 20X40
R261	0662057C01	RES. CHIP 0 5% 80X50 (NNTN4563B only)
R262	0662057C01	RES. CHIP 0 5% 80X50 (NNTN4563B only)
R263	0662057C01	RES. CHIP 0 5% 80X50 (NNTN4563B only)
R264	0662057C01	RES. CHIP 0 5% 80X50 (NNTN4563B only)
R301	0662057M67	RES. CHIP 510 5% 20X40
R303	0662057M98	RES. CHIP 10K 5% 20X40
R304	0662057N39	RES. CHIP 470K 5% 20X40
R305	0662057N39	RES. CHIP 470K 5% 20X40
R307	0662057M98	RES. CHIP 10K 5% 20X40
R308	0662057M01	RES. CHIP 0 5% 20X40
R309	0662057M98	RES. CHIP 10K 5% 20X40
R310	0662057M78	RES. CHIP 1500 5% 20X40
R311	0662057M01	RES. CHIP 0 5% 20X40

Ref Des	Part #	Description
R312	0662057N47	RES. CHIP 1.0 MEG 5% 20X40
R313	0662057N47	RES. CHIP 1.0 MEG 5% 20X40
R315	0662057M01	RES. CHIP 0 5% 20X40
R316	0662057M01	RES. CHIP 0 5% 20X40
R317	0662057M01	RES. CHIP 0 5% 20X40
R318	0662057M01	RES. CHIP 0 5% 20X40
R319	0662057M01	RES. CHIP 0 5% 20X40
R321	0662057M98	RES. CHIP 10K 5% 20X40
R325	0662057M98	RES. CHIP 10K 5% 20X40
R326	0662057M98	RES. CHIP 10K 5% 20X40
R327	0662057N23	RES. CHIP 100K 5% 20X40
R328	0662057M01	RES. CHIP 0 5% 20X40
R329	0662057M01	RES. CHIP 0 5% 20X40
R331	0662057M50	RES. CHIP 100 5% 20X40
R334	0662057M01	RES. CHIP 0 5% 20X40
R401	0662057M90	RES. CHIP 4700 5% 20X40
R402	0662057M01	RES. CHIP 0 5% 20X40
R403	0662057M01	RES. CHIP 0 5% 20X40
R404	0662057M01	RES. CHIP 0 5% 20X40
R405	0662057M01	RES. CHIP 0 5% 20X40
R406	0662057M01	RES. CHIP 0 5% 20X40
R413	0662057M01	RES. CHIP 0 5% 20X40
R414	0662057M98	RES. CHIP 10K 5% 20X40
R415	0662057M01	RES. CHIP 0 5% 20X40
R416	0662057M01	RES. CHIP 0 5% 20X40
R417	0662057M01	RES. CHIP 0 5% 20X40
R418	0662057M01	RES. CHIP 0 5% 20X40
R427	NOTPLACED	NOTPLACED
R440	NOTPLACED	NOTPLACED
R441	NOTPLACED	NOTPLACED
R442	0662057M01	RES. CHIP 0 5% 20X40