

Reverse Engineering Challenge Topanga 7983Y Bakersfield, California



I choose a Nokia Model 3360 cell phone to deconstruct. I was interested to see if older phones were made differently than newer phones. I have always had an interest in older phones and older technology, so to be able to take an old phone apart really peaked my interest.

I was able to identify a few parts during deconstruction. The speaker, the keypad, the battery connector, the ON button, and the logic board. These parts are in every phone that will ever be made, though as technology progresses, they will get better, smaller and cheaper to make.

The speaker is used for any sound the phone may produce whether it is a ringtone, phone call, or audio from a video or game. The keypad is what a user uses to type numbers and letters or navigate to a different screen on the phone while most phones now are touch screens it was very important for older phones to have a keypad of some sort. The battery connector is a small metal piece that the battery connects to that allows the phone to use the stored power. The ON button which is located on the top of the phone is a black piece with a little red circle. The logic board is the main component in the phone that holds all the information needed to operate.

I learned that while phones may be complicated, most phones are made the same, they share most of the same types of components even if is an older device. While newer technology is far more advanced than it was 20 years ago, remembering the past and how far technology has come will make people realize how much it has changed people's lives. Technology is only going to improve as time passes. If people understand how older technology is made more people will understand how new technology can be made.













Nokia Model 3360







Information of Phone and Nokia battery







Working on taking the Battery holder off



Main phone compartment and Outer Casing of phone



Sides and Top view of phone





Front casing and Keypad



Charger Connector This is what user plugs phone charger into









Inner phone casing and logic Board with Screen attached









Speaker holder and speaker part Speaker will play different sounds the phone makes



SIM contacts: Stores data





It was a connection piece for two screws



Vibration: When the user gets a notification this part will cause the phone to vibrate





Working on the Phone



Upon my research I believe this is the antenna





The antenna and the on Button Antenna allows phone to connect to cell towers



The two metal rods on the antenna would be inserted here



Antenna Holder



Battery Connection this is connected to the battery when user takes the battery out

Plastic shell of phone and Information Panel

Screen and Keypad sensors

Back of screen

Front of screen

Logic board protector and phone screen Phone screen can be replaced if it gets cracked

Metal screen casing and plastic screen with Keypad casing

Screen backing and keypad sensors

Logic Board Logic Board stores all the data and allows electricity to flow though the phone

Closer picture of Logic Board

Logic Board color coordinated

V351	The state	Z830	HERE'S
S300		G790	And I
Z962		A900	
Z906		V300	There are a
N930		V301	
N960	and a set	V302	
Z961		V303	State State
N901	1.7.4	A100	Telad
Z850		D450	Constant .
Z820		D400	Print 1
N801	Laster.	D200	5-26-0
Z960	Techen	R200	
Z905		R350	
N900		B200	
X900	1	V100	222
G780	(Energy)		

Color guide and broken-down logic board

Most of the smaller parts that are not colored are mostly a Chip Resistor and Ceramic Capacitor

- **Chip Resistor:** is used to detect overflow of electricity or extra battery power. The higher function of a technology piece the more demand there is for the chip resistor to be able to withstand higher power levels.
- **Ceramic Capacitor:** is used for filtration it will filter the signal or frequency current. The capacitator is in the genre of energy storage device.

Color-Coded parts

- **LEDs(Light-emitting diode):** are lights that illuminate when current is run though them. LEDs will allow current to flow though forwards and will not allow current coming back though to be passed though. **Saw Filter (Surface Acoustic Wave):** will filter and delay electrical currents as they flow though the phone.
- **Chip Coil:** there are several types of chip coils. Their main purpose is to resist any variation in flow of current. When current is fed to the coil the opposite voltage will be generated in the coil to counter act the current coil.
- **IC (Integrated circuit):** gets voltage from the phone battery and distributes the energy throughout the whole phone to different chips and systems.

Z907	4550117	Dipl 824-894/1850-1990mhz 3.2	x1.6	3.2x1.6	R350	1419009	Chip resistor	47	5 % 1210
Z960	4511205	Saw filter	181.8+-0.015 N	3.8X3.8 3.8x3.8	R350	1413003	Chip resistor	4.7	5 % 1210
Z961 Z962	451203	Dupl 1850-1910/1930-1990mhz	17x10	17x10	R356	1430804	Chip resistor	100 k	5 % 0.063 W 4.000
1775	4550153	Transf balun 2060+-70mhz 2.0x1	.25	2.0x1.25	P420	1420269	Chip register	27 4	1 % 0.042 W 0402
T960	4550173	Transf balun 1900+-100mhz 2x1	.25	2x1.25	R420	1430200	Chip resistor	27 K	1 % 0.003 W 0003
V100	4110028	Trans. supr.	16V	23 A 600 W D0214AA	0407	1400770	Plain exclusion	10.6	E 0/ 0.043 W 3.000
V300	4860231	Led	Green	0°SMD2					
Maga	4040004	Lod	Creation	0.01400					
V301	4860231	Led	Green	0'SMD2					
V301 V302 V303	4860231 4860231 4860231	Led Led	Green Green	0'SMD2 0'SMD2 0'SMD2					
V301 V302 V303 V304	4860231 4860231 4860231 4860231	Led Led Led Led	Green Green Green Green	0'SMD2 0'SMD2 0'SMD2 0'SMD2					
V301 V302 V303 V304 V305	4860231 4860231 4860231 4860231 4860231 4860231	Led Led Led Led Led	Green Green Green Green Green	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2					
V301 V302 V303 V304 V305 V306	4860231 4860231 4860231 4860231 4860231 4860231	Led Led Led Led Led Led	Green Green Green Green Green	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2	Da	rtc lic	t for Logic	hoar	Ч
V301 V302 V303 V304 V305 V306 V307	4860231 4860231 4860231 4860231 4860231 4860231 4860231	Led Led Led Led Led Led	Green Green Green Green Green Green	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2	Pa	rts Lis [.]	t for Logic	boar	d
V301 V302 V303 V304 V305 V306 V307 V308 V308	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231	Led Led Led Led Led Led Led	Green Green Green Green Green Green Green	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2	Pa	rts Lis [.]	t for Logic	boar	d
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231	Led Led Led Led Led Led Led Led Transistor	Green Green Green Green Green Green Green DIC1437E	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2	Pa	rts Lis [.]	t for Logic	boar	d
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V351	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4860101	Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb	Green Green Green Green Green Green Green Green DTC143ZE	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2	Pa	rts Lis	t for Logic	boar	d
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4860101 4110953	Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode	Green Green Green Green Green Green Green DTC143ZE /s 1SV280	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 9,6KB-1.152MB/S SOD523	Pa No	rts Lis [.] It all n	t for Logic arts on th	boar ese li	d sts
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725 V744	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4860101 4110953 4110911	Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode	Green Green Green Green Green Green Green DTC143ZE /s 1SV280 MA2SV01	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 npn RB V EM3 9.6KB-1.152MB/S SOD523 1/3 V SOD523	Pa Nc	rts Lis [.] ot all p	t for Logic arts on th	boar ese li	d sts
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725 V744 V850	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4210043 4860101 4110953 4110911 4210189	Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor	Green Green Green Green Green Green Green DTC143ZE //s 1SV280 MA2SV01 SOT343	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 npn RB V EM3 9.6KB-1.152MB/S SOD523 1/3 V SOD523	Pa Nc	rts Lis [.] ot all p	t for Logic arts on th	boar ese li	d sts
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725 V744 V850 D200	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4860101 4110953 4110911 4210189 4370805	Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga	Green Green Green Green Green Green Green DTC143ZE /S 1SV280 MA2SV01 SOT343 1168	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 1'	Pa Nc	rts Lis [.] ot all p	t for Logic arts on th	boar ese li	d sts
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725 V744 V850 D200 D400	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 410043 4860101 4110953 4110911 4210189 4370805 4370812	Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 u	Green Green Green Green Green Green Green DTC143ZE /S 1SV280 MA2SV01 SOT343 1168 uPP	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 npn RB V EM3 9.6KB-1.152MB/S SOD523 1/3 V SOD523 TFBGA168	Pa No	rts Lis ⁻ ot all p	t for Logic arts on th	boar ese li	d sts
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725 V744 V850 D200 D400 D450 N750	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860101 4110953 4110953 4110953 4110953 4110953 4370805 4370811 4341209 4320232	Led Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 u IC, flash mem.	Green Green Green Green Green Green Green DTC143ZE /S 1SV280 MA2SV01 SOT343 1168 uPP	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 10'SMD2 13 V SOD523 1/3 V SOD523 TFBGA168	Pa No we	rts Lis ⁻ ot all p ere hig	t for Logic arts on th shlighted b	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725 V744 V850 D200 D400 D450 N750 N801	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860101 4110953 4110953 4110953 4110953 4110953 4370805 4370805 4370811 4341209 4330233 4370777	Led Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 to IC, flash mem. Mrfic0916 rf amp 2500mhz sot1	Green Green Green Green Green Green DTC143ZE /S 1SV280 MA2SV01 SOT343 i168 uPP	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 10'SMD2 13 V SOD523 1/3 V SOD523 TFBGA168	Pa No We	rts Lis ⁻ ot all p ere hig	t for Logic arts on th shlighted b	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V351 V725 V744 V850 D200 D400 D450 N750 N801 N900	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860101 4110953 4110953 4110953 4110953 4370805 4370805 4370811 4341209 4340233 4370777 4341179	Led Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 to IC, flash mem. Mrfic0916 rf amp 2500mhz sot1 IC, a807eegt bicmos6m Ifb IC, 900mhz (om5968)	Green Green Green Green Green Green DTC143ZE //s 1SV280 MA2SV01 SOT343 1168 uPP	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 10'SM	Pa No We	rts Lis ot all p ere hig	t for Logic arts on th shlighted k	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725 V744 V850 D200 D400 D450 N750 N801 N900 N901	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 410043 4860101 4110953 4110911 4210189 4370805 4370805 4370811 4341209 4340233 4370777 4341179 4350311	Led Led Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 o IC, flash mem. Mrfic0916 rf amp 2500mhz sot1 IC, a807eegt bicmosém Ifb IC, 900mhz (om5968) IC, pow amp	Green Green Green Green Green Green DTC143ZE /s 1SV280 MA2SV01 SOT343 1168 uPP	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 1/S VEM3 9.6KB-1.152MB/S SOD523 1/3 V SOD523 TFBGA168 SOT143 LFBGA LFBGA uPCONV	Pa No We	rts Lis ot all p ere hig	t for Logic arts on th shlighted k	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725 V744 V850 D200 D400 D400 D450 N750 N801 N900 N901 N900	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4860101 4110953 4110911 4210189 4370805 4370805 4370811 4341209 4340233 4370777 4341179 4350311 4350267	Led Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 u IC, flash mem. Mrfic0916 rf amp 2500mhz sot1 IC, a807eegt bicmos6m lfb IC, 900mhz (om5968) IC, pow.amp. Pewr detector module	Green Green Green Green Green Green DTC143ZE /s 1SV280 MA2SV01 SOT343 168 uPP	0'SMD2 0'	Pa No We	rts Lis ot all p ere hig	t for Logic arts on th shlighted k	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V350 V351 V725 V744 V850 D200 D400 D400 D450 N750 N801 N900 N901 N930 N960	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4860101 4110953 4110911 4210189 4370805 4370811 4341209 4340233 4370777 4341179 4350311 4350267 4350309	Led Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 u IC, flash mem. Mrfic0916 rf amp 2500mhz sot1 IC, a807eegt bicmos6m lfb IC, 900mhz (om5968) IC, pow.amp. Pwr detector module IC, pow.amp.	Green Green Green Green Green Green DTC143ZE /s 1SV280 MA2SV01 SOT343 i168 uPP 143 SAFARI_T2 tssop10 3.5 V 800/1900mhz 3.5 V TDMA	0'SMD2 0'	Pa No We ap	rts Lis ot all p ere hig art of	t for Logic arts on th shlighted k the phone	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V350 V351 V725 V744 V850 D200 D400 D400 D450 N750 N801 N900 N901 N930 N960 S300	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4210043 4210043 4210043 4210189 4370805 4370805 4370805 4370811 4341209 4340233 4370777 4341179 4350311 4350267 4350309 5209001	Led Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 to IC, flash mem. Mrfic0916 rf amp 2500mhz sot1 IC, a807eegt bicmos6m lfb IC, 900mhz (om5968) IC, pow.amp. Pwr detector module IC, pow.amp. SM, sw tact spst 12v 50ma side i	Green Green Green Green Green Green DTC143ZE /s 1SV280 MA2SV01 SOT343 i168 uPP 143 SAFARI_T2 tssop10 3.5 V 800/1900mhz 3.5 V TDMA k KEY	0'SMD2 0'	Pa No We ap	rts Lis ot all p ere hig art of	t for Logic arts on th shlighted k the phone	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V350 V351 V725 V744 V850 D200 D400 D400 D400 D450 N750 N801 N900 N901 N930 N960 S300 X900	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4210043 4860101 4110951 4210189 4370805 4370811 4341209 4340233 4370777 4341179 4350311 4350267 4350309 5209001 5429021	Led Led Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 u IC, flash mem. Mrfic0916 rf amp 2500mhz sot1 IC, a807eegt bicmos6m lfb IC, 900mhz (om5968) IC, pow.amp. Pwr detector module IC, pow.amp. SM, sw tact spst 12v 50ma side I SM, conn rf+sw 100v 1w 50r 2.2	Green Green Green Green Green Green DTC143ZE /s 1SV280 MA2SV01 SOT343 1168 uPP 143 SAFARI_T2 tssop10 3.5 V 800/1900mhz 3.5 V TDMA k KEY 2gh 2.2GHZ	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 1'S VEM3 9.6KB-1.152MB/S SOD523 1/3 V SOD523 1/3 V SOD523 TFBGA168 SOT143 LFBGA uPCONV 800/1900MHZ	Pa No We ap	rts Lis ot all p ere hig art of	t for Logic arts on th shlighted k the phone	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V351 V725 V744 V850 D200 D400 D450 D400 D450 N750 N801 N900 N901 N930 N960 S300 X900 A100	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4210043 4860101 4110953 4110911 4210189 4370805 4370811 4341209 4340233 4370777 4341179 4350311 4350267 4350309 5209001 5429021 9510612	Led Led Led Led Led Led Led Led Led Transistor Irm1020 2.7-5.5v 9.6kb-1.152mb Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 to IC, flash mem. Mrfic0916 rf amp 2500mhz sot1 IC, a807eegt bicmos6m lfb IC, 900mhz (om5968) IC, pow.amp. Pvvr detector module IC, pow.amp. SM, sw tact spst 12v 50ma side I SM, conn rf+sw 100v 1w 50r 2.2 Baseband shield dm006548 hda6.	Green Green Green Green Green Green DTC143ZE /s 1SV280 MA2SV01 SOT343 1168 uPP 143 SAFARI_T2 tssop10 3.5 V 800/1900mhz 3.5 V TDMA k KEY 2_72HDA62_72	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 1/3 V EM3 9,6KB-1.152MB/S SOD523 1/3 V SOD523 1/3 V SOD523 1/3 V SOD523 TFBGA168 SOT143 LFBGA uPCONV 800/1900MHZ	Pa No We ap	rts Lis ot all p ere hig art of	t for Logic arts on th shlighted k the phone	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V351 V725 V744 V850 D200 D400 D450 D400 D450 N750 N801 N900 N901 N900 N901 N930 N960 S300 X900 A100 A900	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4210043 4860231 4210043 4860101 4110953 4110911 4210189 4370805 4370805 4370805 4370805 4370811 4341209 4340233 4370777 4341179 4350311 4350267 4350309 5209001 5429021 9510612 9517071	Led Led Led Led Led Led Led Led Led Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 to IC, flash mem. Mrfic0916 rf amp 2500mhz sot1 IC, a807eegt bicmos6m lfb IC, 900mhz (om5968) IC, pow.amp. Pvir detector module IC, pow.amp. SM, sw tact spst 12v 50ma side i SM, conn rf+sw 100v 1w 50r 2.2 Baseband shield dmd06548 hda6. RF shield assy dmc02311 hda62_	Green Green Green Green Green Green DTC143ZE /s 1SV280 MA2SV01 S0T343 1168 JPP 143 SAFARI_T2 tssop10 3.5 V 800/1900mhz 3.5 V TDMA k KEY kgh 2.2GHZ 2_72HDA62_72 7 HDA62_72	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 1/S VEM3 9.6KB-1.152MB/S SOD523 1/3 V SOD523 1/3 V SOD523 1/3 V SOD523 1/3 V SOD523 1/5 V SOD52 1/5 V SOD5	Pa No We ap	rts Lis ⁻ ot all p ere hig art of	t for Logic arts on th shlighted k the phone	boar ese li out ar	d sts e still
V301 V302 V303 V304 V305 V306 V307 V308 V309 V350 V351 V725 V744 V850 D200 D400 D450 D400 D450 N750 N801 N900 N901 N900 N901 N930 N960 S300 X900 A100 A900	4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860231 4860101 4110953 4110911 4210189 4370805 4370811 4341209 433025 4370777 4341179 4350311 4350267 4350311 5209001 5429021 9510612 9517071 9854507	Led Led Led Led Led Led Led Led Led Cap. diode Cap. diode Cap. diode Transistor Uem v4.4 w-dog ena to09h tfbga IC, v2.3 f741809c c05 ubga144 t IC, flash mem. Mrfic0916 rf amp 2500mhz sot1 IC, a807eegt bicmos6m lfb IC, 900mhz (om5968) IC, pow.amp. Pwr detector module IC, pow.amp. Pwr detector module IC, pow.amp. SM, sw tact spst 12v 50ma side i SM, conn rf+sw 100v 1w 50r 2.2 Baseband shield dmd06548 hda6. RF shield assy dmc02311 hda62_ PWB WS8 108X40.84X1.15 M8 4/	Green Green Green Green Green Green DTC143ZE /s 1SV280 MA2SV01 SOT343 1168 JPP 143 SAFARI_T2 tssop10 3.5 V 800/1900mhz 3.5 V TDMA k KEY kgh 2.2GHZ 2_72HDA62_72 _7 HDA62_72 /PA	0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 0'SMD2 1/S VEM3 9.6KB-1.152MB/S SOD523 1/3 V SOD523 1/3 V SOD523 1/3 V SOD523 1/3 V SOD523 1/5 V SOD52 1/5 V SOD5	Pa No We ap	rts Lis ot all p ere hig art of	t for Logic arts on th shlighted k the phone	boar ese li out ar	d sts e still

Complete Parts list

Work Cited Page

1. Nokia 3360 Logic Board Replacement - iFixit Repair Guide

- 2. Nokia 3360 | IT History Society
- 3. Nokia 3360, 3361 Service Manual 04Parts (manualmachine.com)
- 4. <u>NOKIA 3360 NPW-1 SCH Service Manual download, schematics, eeprom, repair info for electronics experts</u> (elektrotanya.com)
- 5. <u>Antenna Nokia 3310 / 3330 / 3410 / 5510 (novexa.pt)</u>
- 6. <u>https://www.aliexpress.us/item/3256803570113763.html?gatewayAdapt=glo2usa4itemAdapt&_randl_shipto=US</u>
- 7. <u>Chip resistors that are smaller but which provide more advanced functions are now an important component in</u> <u>solving problems. Panasonic</u>
- 8. Why Ceramic Capacitor Are More Popular than Others? | LKR (lkrelec.com)
- 9. <u>SMD Coil / Inductor Surface Mount Chip Coil / Inductor Guide (mobilecellphonerepairing.com)</u>
- 10. What Is IC In Mobile Best Identify Phone IC Trending Tutorial (mobilerepairingonline.com)