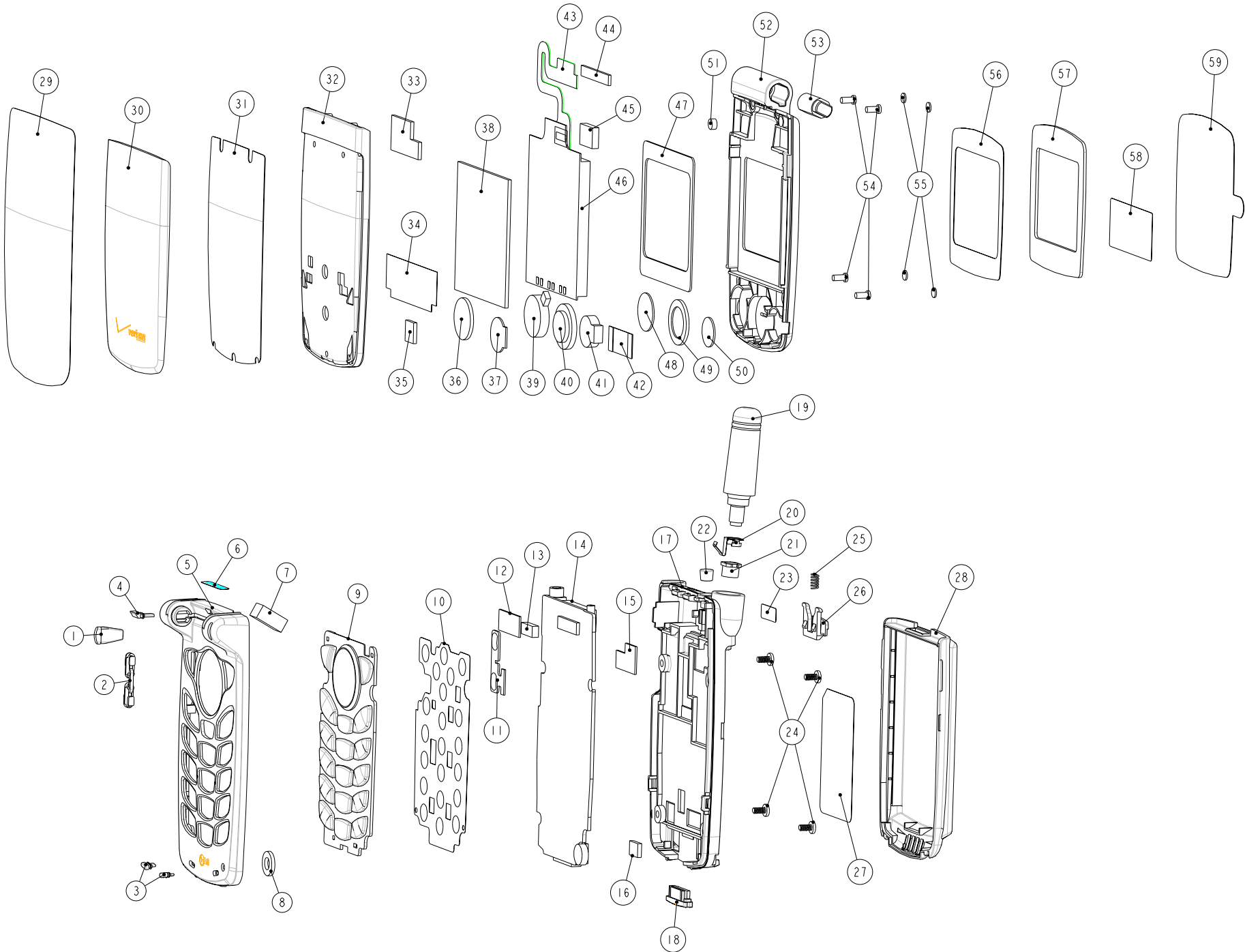


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본 자료를 영수함으로써 본 자료의 내용을 귀사의 사전 승인 없이는 비밀로 취급하겠으며 위반시 손해를 보상한다. 본 자료에 관한 권리는 귀사에 유보되었음을 확인한다.

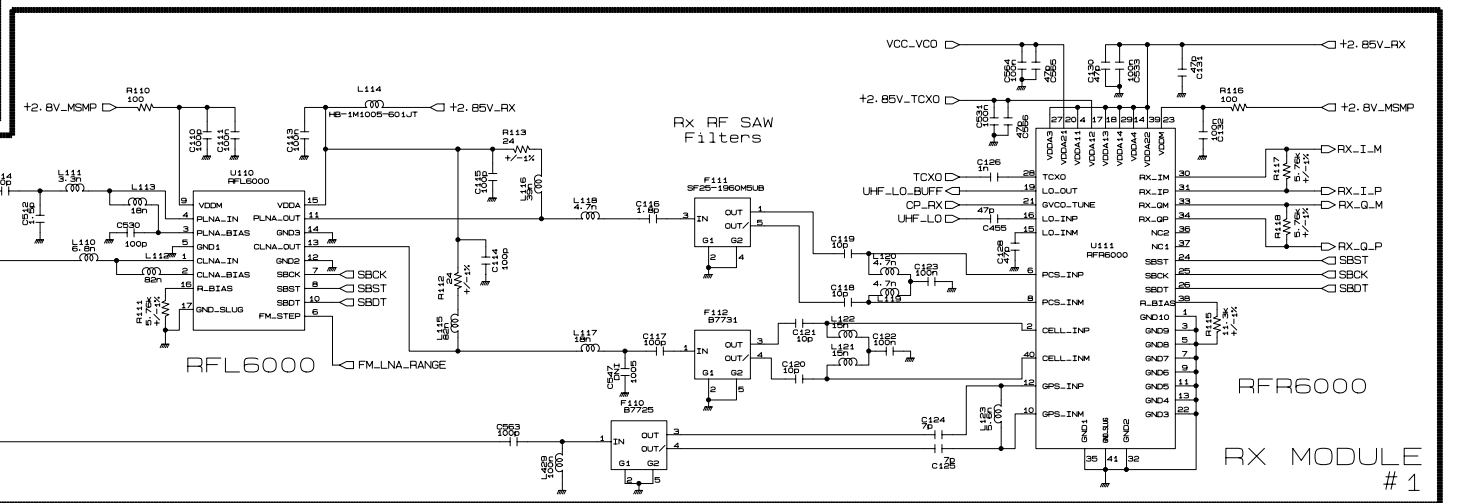


REVISION				
ISSUE	CONTENTS	ENGINEER	APPROVER	DATE
1.0	초도발행	이명호	김형팔	'03.01.30
1.1	부품 추가 및 재질 변경	이명호	김형팔	'03.02.26

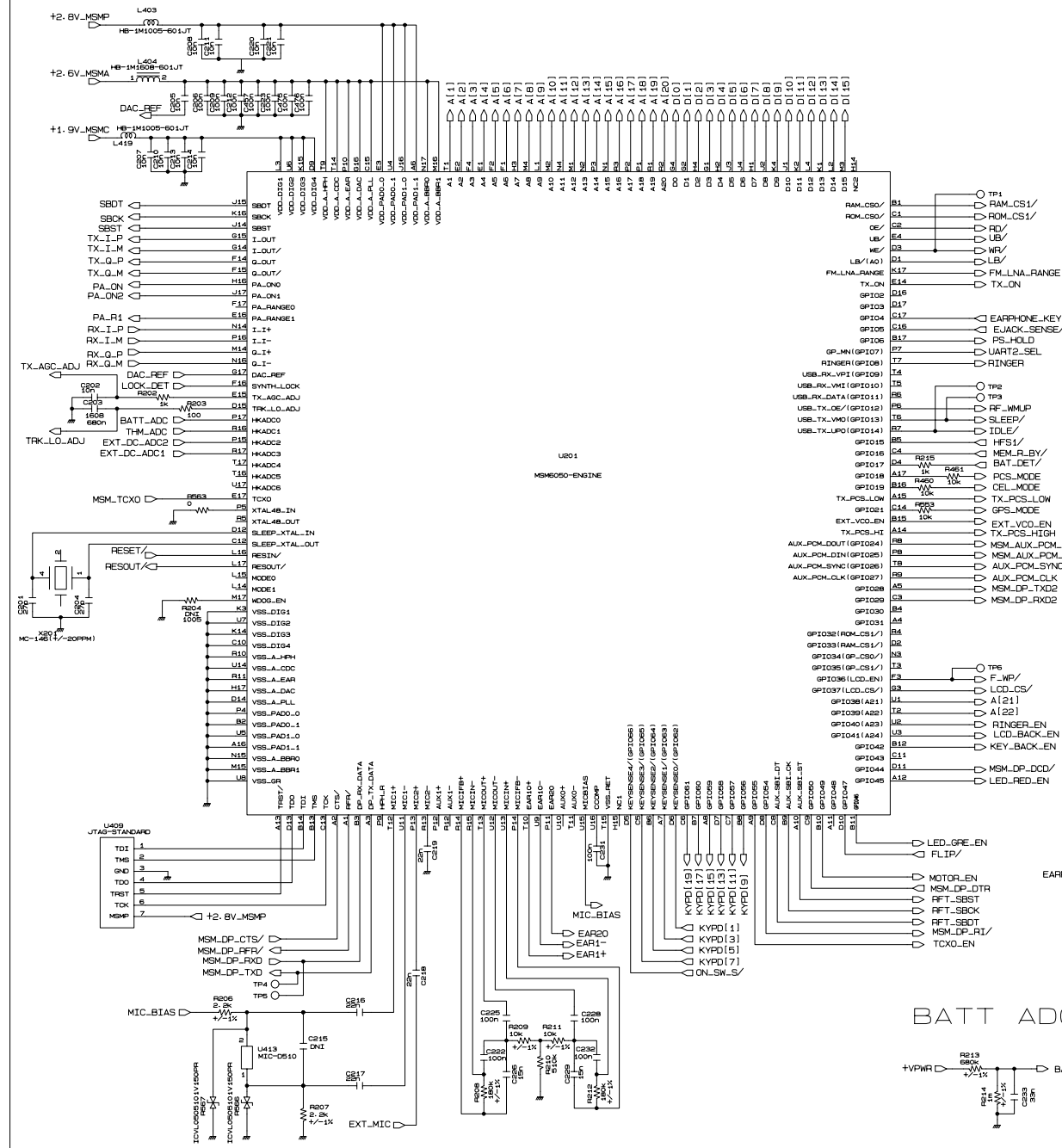
59	TAPE, PROTECTION(WINDOW)	I	MTAB001730I	
58	STICKER, OTA	I	MSFZ000090I	
57	WINDOW, LCD	I	MWAC002110I	
56	TAPE, WINDOW	I	MTAD000900I	
55	CAP. SCREW	4	MCCH0008703	
54	SCREW, TAPPING	4	GGZZ000130I	
53	HINGE, FOLDER	I	MHFD000380I	
52	COVER, FOLDER(LOWER)	I	MCJH000720I	
51	MAGNET, SWITCH	I	MMAA000030I	
50	PAD, BUZZER(LOWER)	I	MPBB000120I	
49	FILTER, SPEAKER	I	MFBC000340I	
48	PAD, MOTOR	I	MPBJ000750I	
47	PAD, LCD	I	MPBG000780I	
46	LCD	I	SVLY001440I	
45	GASKET, SHIELD FORM	I	MGAD002490I	
44	GASKET, SHIELD FORM	I	MGAD002480I	
43	PCB ASSY, FLEXIBLE	I	SACY000860I	
42	FILTER, BUZZER	I	MFBA000140I	
41	BUZZER	I	SUBY000430I	
40	RECEIVER	I	SURY0001506	
39	VIBRATOR, MOTOR	I	SJMY0003102	
38	PAD, FOLDER(UPPER)	I	MPBS000170I	
37	PAD, BUZZER	I	MPBB000100I	
36	PAD, MOTOR	I	MPBJ000510I	
35	GASKET, SHIELD FORM	I	MGAD002470I	
34	INSULATOR	I	MIDZ002180I	
33	GASKET, SHIELD FORM	I	MGAD002460I	
32	COVER, FOLDER(UPPER)	I	MCJJ001010I	
31	TAPE, DECO	I	MTAA001420I	
30	DECO, FOLDER(UPPER)	I	MDAE000830I	
29	TAPE, PROTECTION	I	MTAB000820I	
28	BATTERY PACK	I	SBPL006680I	
27	LABEL, APPROVAL	I	MLAA0002502	
26	LOCKER, BATTERY	I	MLEA000680I	
25	SPRING, LOCKER	I	MSDC000110I	
24	SCREW, MACHINE	4	GMZZ000370I	
23	LABEL, QUALCOMM	I	MLAN000060I	
22	CAP, MOBILE SWITCH	I	MCCF000680I	
21	BUSHING, ANTENNA	I	MBIA000030I	
20	CONTACT, ANTENNA	I	MCIA000540I	
19	ANTENNA, MOBILE	I	SNMF000380I	
18	CAP, RECEPTACLE	I	MCCE0002005	
17	COVER, REAR	I	MCJN000880I	
16	PAD, MIKE	I	MPBH000020I	
15	GASKET, EMI	I	MGAB000560I	
14	PCB ASSY, MAIN	I	SAFY005760I	
13	PAD	I	MPBZ002200I	
12	GASKET, EMI(BOARD)	I	MGAB000570I	
11	PCB, SIDEKEY	I	SPKY000340I	
10	DOME ASSY, METAL	I	ADCA000840I	
9	KEYPAD	I	MKAZ001000I	
8	PAD	I	MPBZ000600I	
7	PAD	I	MPBZ002090I	
6	LABEL	I	MLAZ003470I	
5	COVER, FRONT	I	MCJK001130I	
4	STOPPER, HINGE	I	MSGB000170I	
3	BUMPER	2	MBHY000470I	
2	BUTTON, SIDE	I	MBJL000540I	
1	INDICATOR, LED	I	MIAA000650I	

UNIT	SCALE	NO.	DESCRIPTION	Q'TY	DRAWING NO.	REMARK
mm		PARTS INDEX				
공차	TOLERANCE		DATE	NAME	재 질	MATERIAL
	APP.	'03.01.29	김형팔			
표면처리	FINISH	CHEC.	'03.01.29	김성진	관련도번	
		DESG.	'03.01.29	이명호	REL DWG	
F / N				SIZE	도 명	(LG-TM250)
					DWG NAME	PHONE, ASSY
				A ₂	도 번	APEY005100I
					DWG NO.	

COVER ASSY, REAR	ACGM001440I	15 16 17 19 20 21 23 25 26
COVER ASSY, FRONT	ACGK001720I	1 2 3 4 5 8
COVER ASSY, FOLDER(LOWER)	ACGH000940I	47 48 49 50 51 52 56
COVER ASSY, FOLDER(UPPER)	ACGJ001490I	29 30 31 32 33 34 35 36 37 38
DESCRIPTION	DRAWING NO.	REMARK

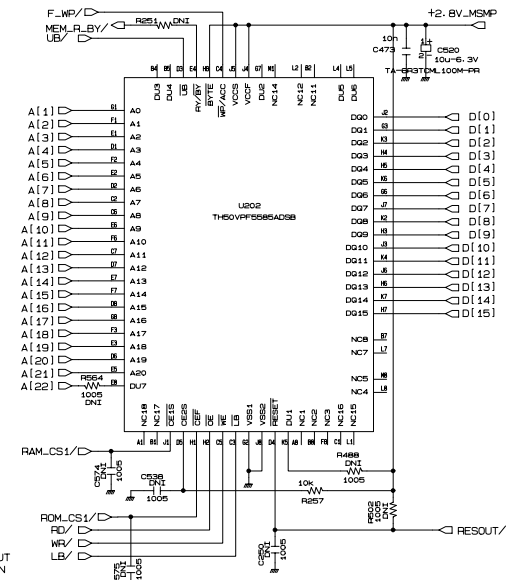


LG-TM250 (Engine Module)

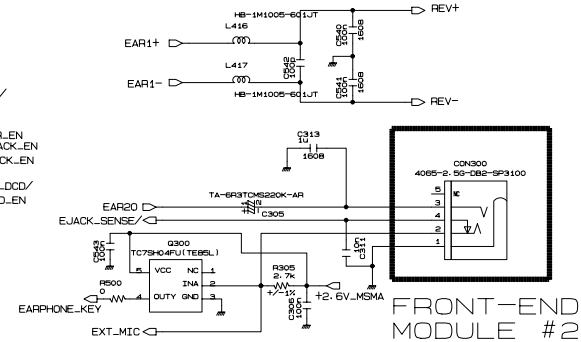


SAFY0057601-CD
MEMORY

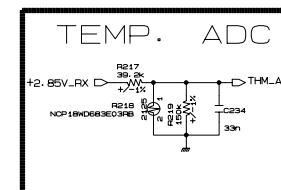
(32M PAGE-MODE FLASH + 32M PSRAM MCP/TOSHIBA)



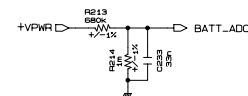
AUDIO PATH



TX MODULE #2



BATT ADC



```
(CHANGED)
C540, C541:DNI->100nF(1608)
Minimize Rx audio noise
```

(INSTALLED)

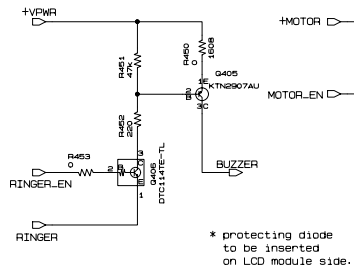
(REMOVED)

(CHANGED)
Q407: KTC40795E-12SC4617
R467: 1 kohm(U)->10 kohm(F)
R468: 47 ohm(U)->10 ohm(U)
Minimize LCD backlight blinking
during access time

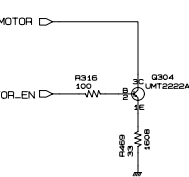
(INSTALLED)

(REMOVED)

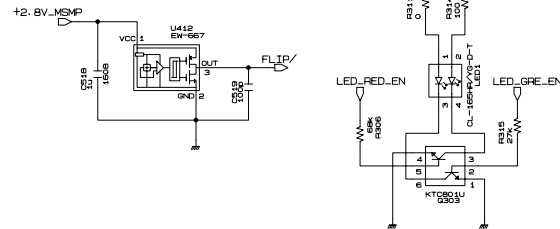
BUZZER



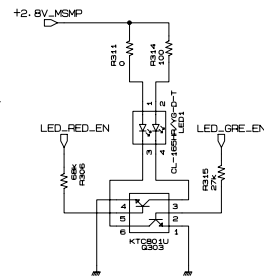
MOTOR



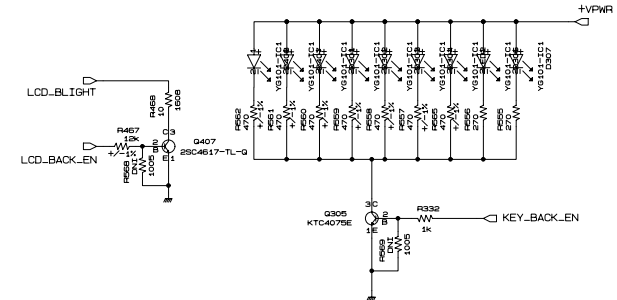
FLIP SW



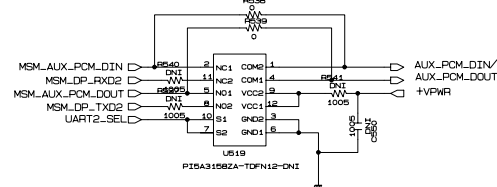
DUAL IND.



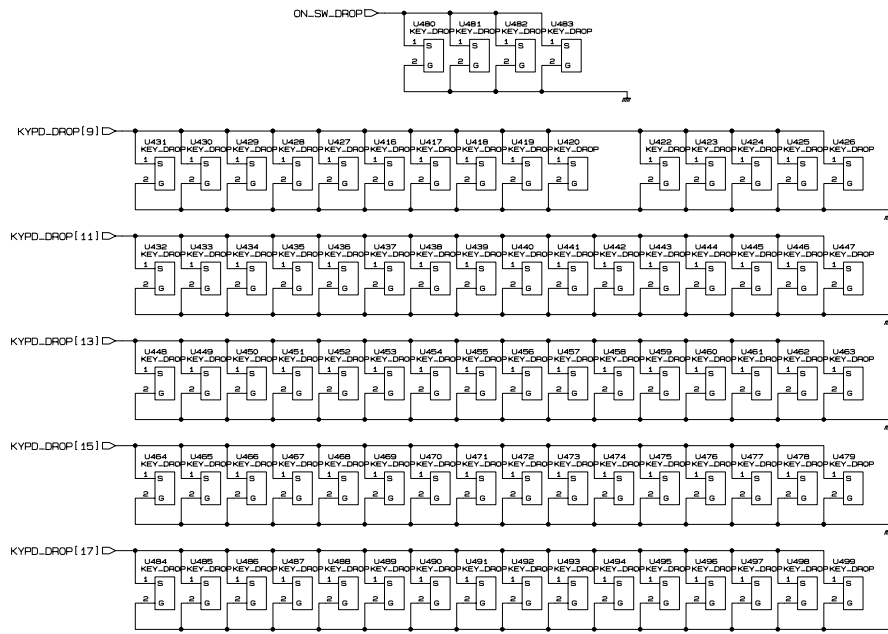
BACKLIGHT CONTROL



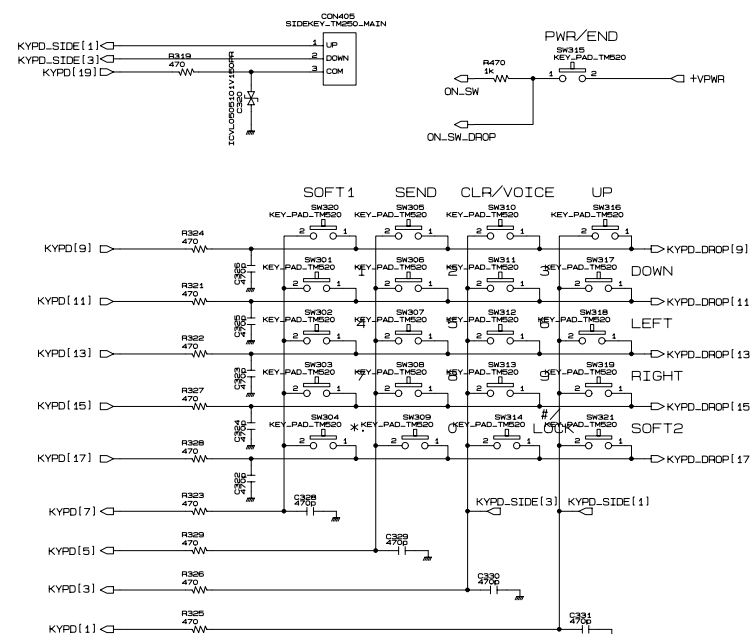
Multiplexer



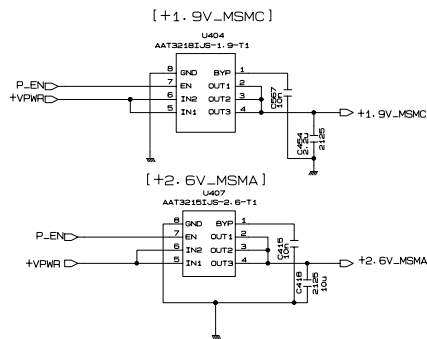
KEYPAD ESD



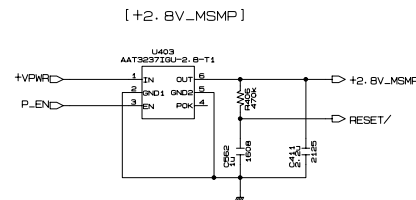
MAIN / SIDE KEY



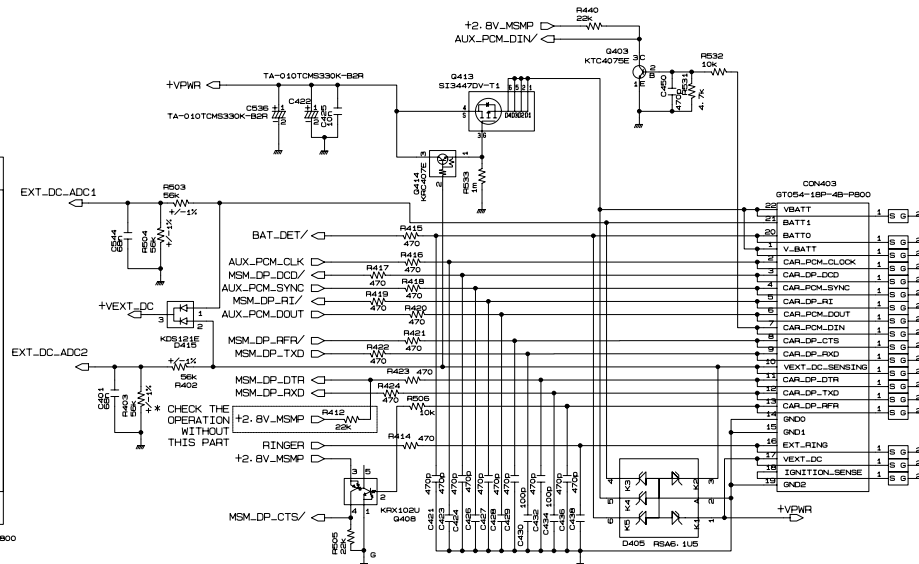
Y. C. PARK

Rev 1.2
Power &
Interface

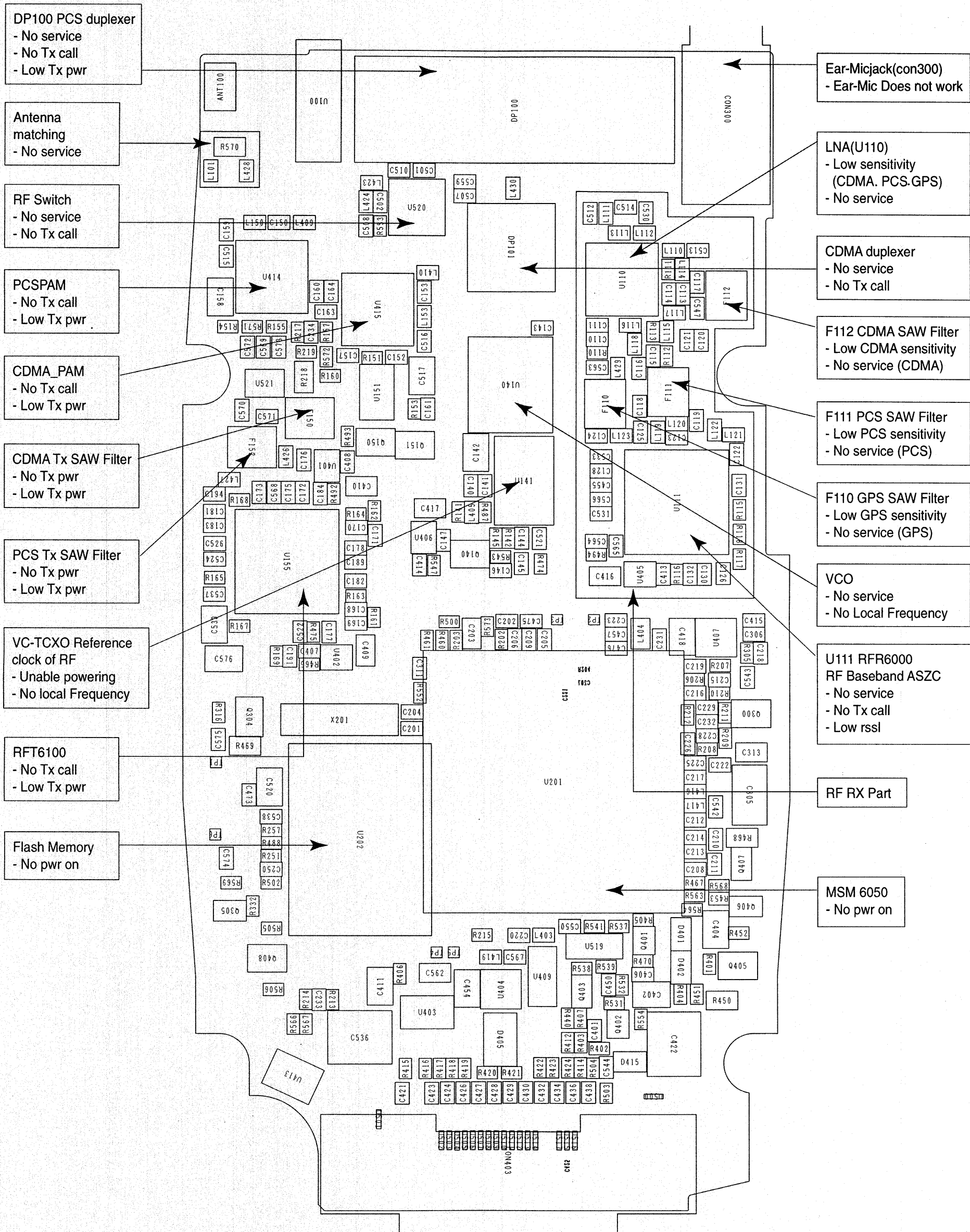
[+2.8V_MSMP]



Timing diagram for the C431 microcontroller. The diagram shows the relationship between various control signals and data bus activity over time. The signals include REV+, REV-, BUZZER, +MOTOR, +VPMR, LCD_BLIGHT, D[7:0], RD/, WR/, AI[1], LCD_CS/, RESOUT/, and +2.5V_MSP. The data bus is shown at the bottom, with values ranging from 0x00 to 0xFF. The diagram is labeled with 'C431' and 'TA-GR3TCM-100M-PR'.



LG-TM250_Rev1.0_Bottom



LG-TM250_Rev1.0_Top

