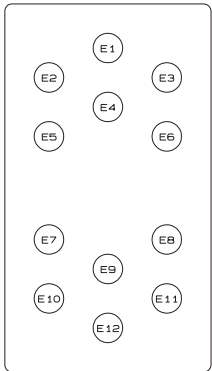


APPENDIX E: SCHEMATICS

Please refer to the following pages.

REVISIONS	SYM	DATE	POSITION	DESCRIPTION	REVISED	CHECKED	APPROVED
1	X						
2	X						
3	X						
4	X						
5	X						

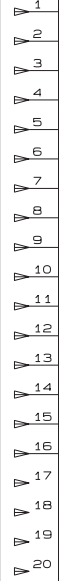
UDC P/B



IL-312-A20S-VFH05-A1

J20

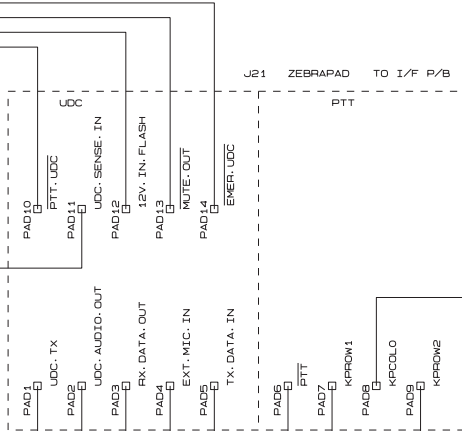
- TX. DATA. IN (E11)
- EXT. MIC. IN (E4)
- RX. DATA. OUT (E1)
- UDC. AUDIO. OUT (E9)
- AGND (E10)
- AGND (E10)
- AGND (E10)
- SWA+. OUT (E7)
- SWA+. OUT (E7)
- SWA+. OUT (E7)
- EMER. UDC (E2)
- MUTE. OUT (E5)
- 12V. IN. FLASH (E3)
- PTT. UDC (E12)
- UDC. SENSE. IN (E8)
- UDC. TX (E6)
- N. C
- N. C
- N. C
- N. C



PAD31

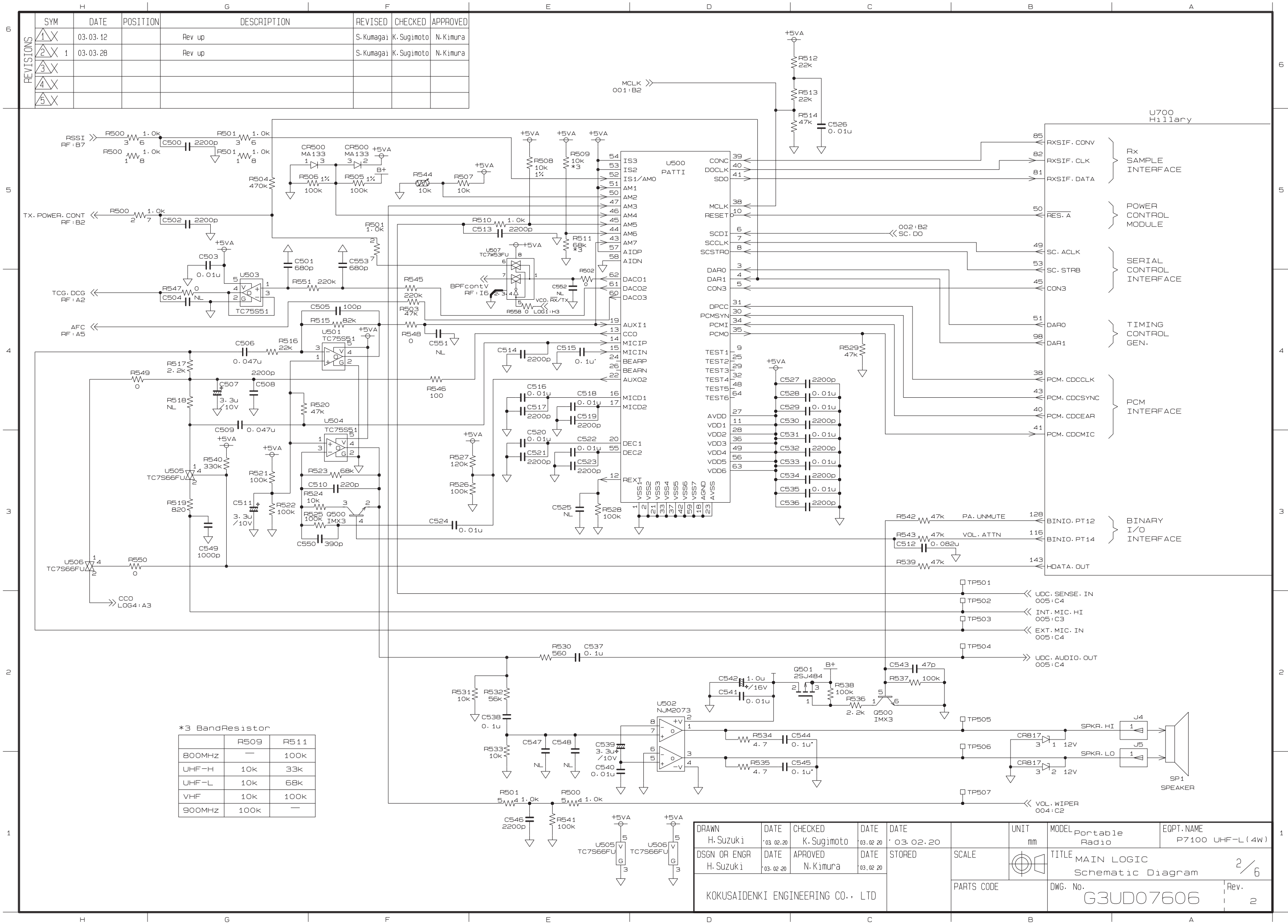
PAD32

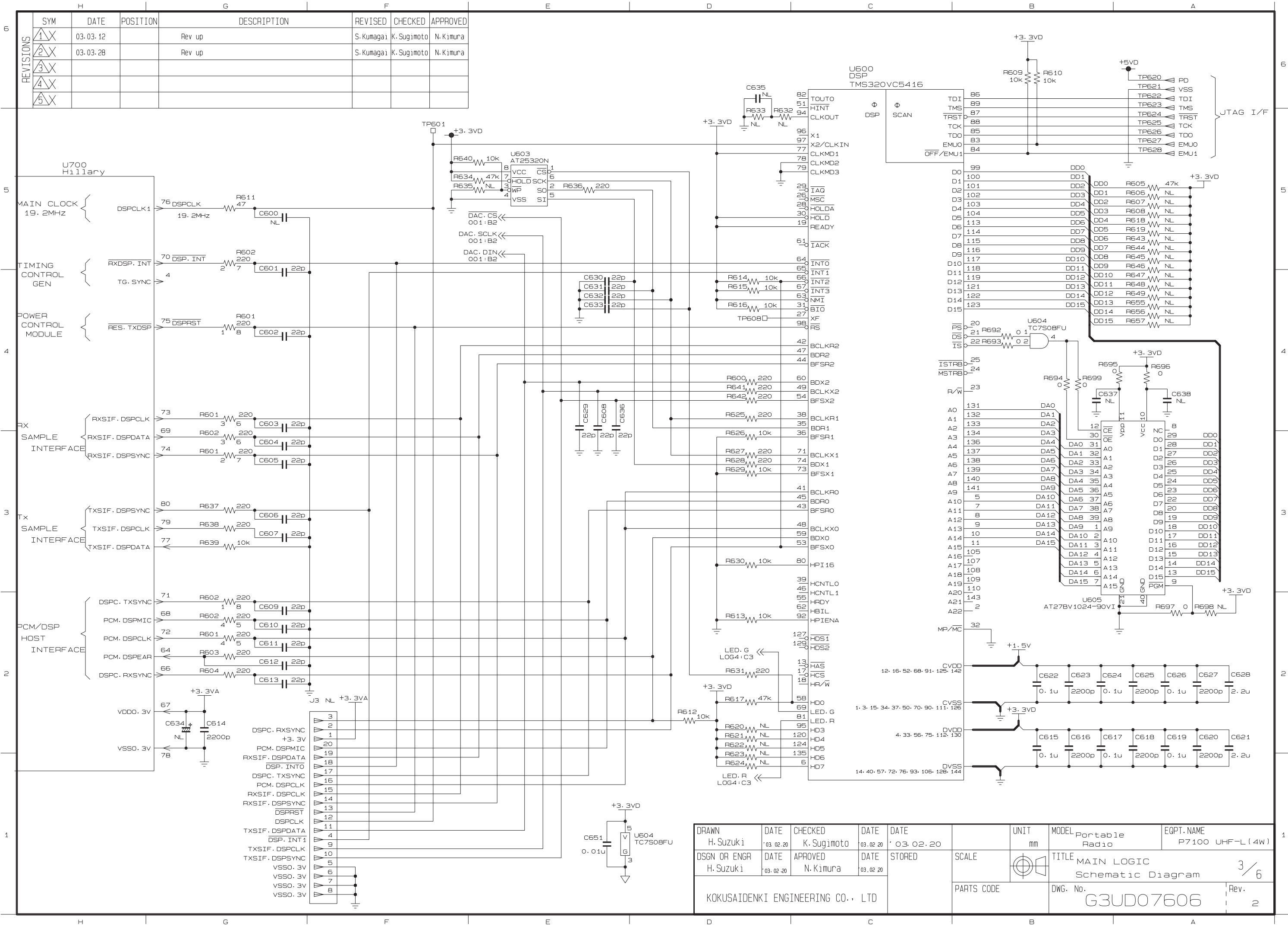
AGND



DRAWN	DATE	CHECKED	DATE	DATE	UNIT	MODEL	EQPT. NAME
H. Hikichi	02.07.20	K. Sugimoto	02.07.22	02.07.22	mm	Portable Radio	P7100
DSGN OR ENGR	DATE	APPROVED	DATE	STORED	SCALE	TITLE	
H. Hikichi	02.07.20	N. Kimura	02.07.20			FLEX P/B Schematic Diagram	1/1
KOKUSAI DENKI ENGINEERING CO., LTD					PARTS CODE	DWG. No.	Rev.
						G3UD07276	0

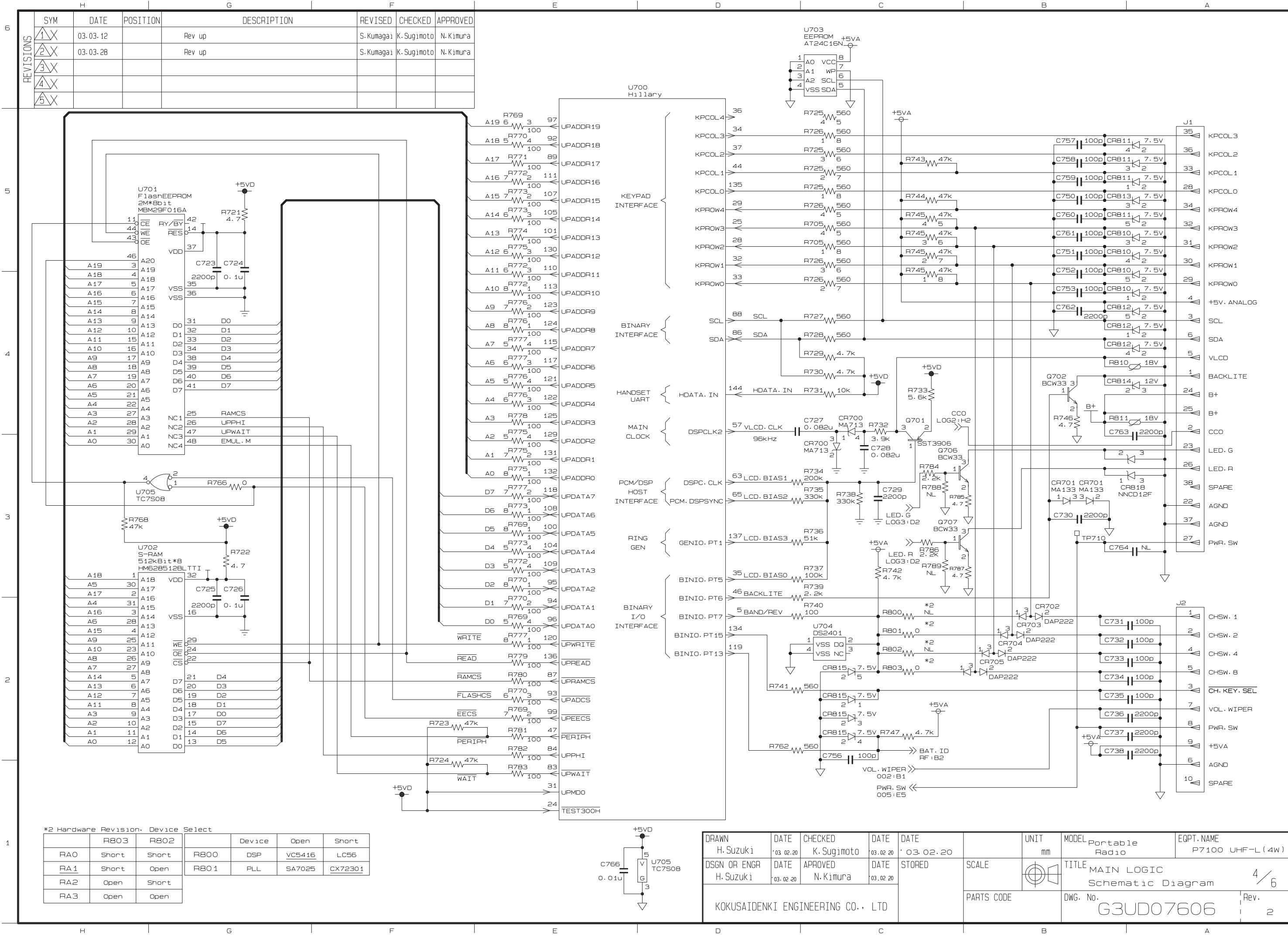
REVIEWS1





REVISEMENTS	SYM	DATE	POSITION	DESCRIPTION	REVISED	CHECKED	APPROVED
	1	03.03.12		Rev up	S.Kumagai	K.Sugimoto	N.Kimura
	2	03.03.28		Rev up	S.Kumagai	K.Sugimoto	N.Kimura
	3						
	4						
	5						

DRAWN H. Suzuki	DATE '03.02.20	CHECKED K. Sugimoto	DATE '03.02.20	DATE '03.02.20	UNIT mm	MODEL Portable Radio	EGPT. NAME P7100 UHF-L (4w)
DSGN OR ENGR H. Suzuki	DATE '03.02.20	APPROVED N. Kimura	DATE '03.02.20	STORED	SCALE	TITLE MAIN LOGIC Schematic Diagram	3/6
KOKUSAI DENKI ENGINEERING CO., LTD					PARTS CODE	DWG. No. G3UD07606	Rev. 2

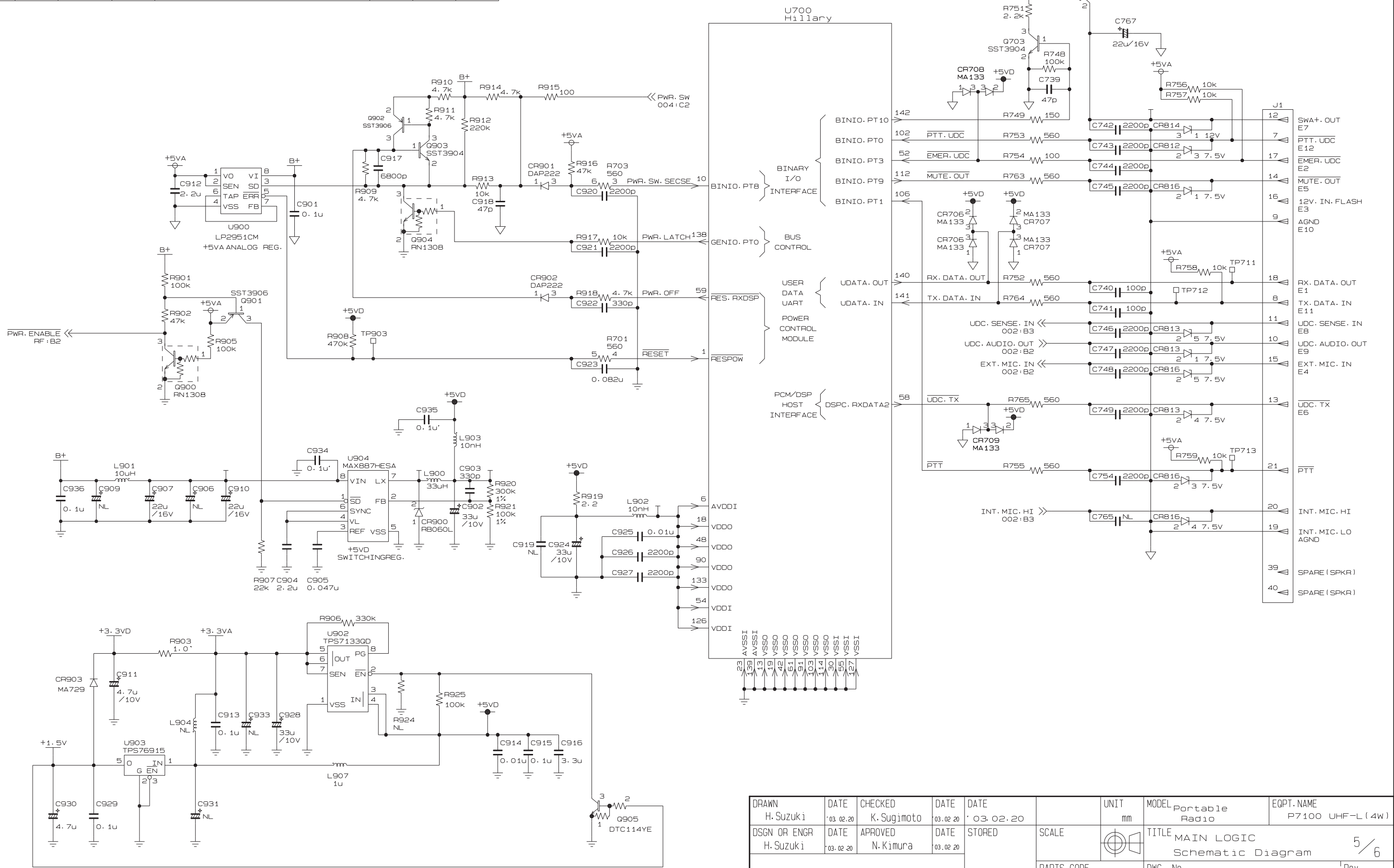


SYMBOL	DATE	POSITION	DESCRIPTION	REVISED	CHECKED	APPROVED
1	03.03.12		Rev up	S.Kumagai	K.Sugimoto	N.Kimura
2	03.03.28		Rev up	S.Kumagai	K.Sugimoto	N.Kimura
3						
4						
5						

*2 Hardware Revision. Device Select					
	R803	R802		Device	Open Short
RA0	Short	Short	R800	DSP	VC5416 LC56
RA1	Short	Open	R801	PLL	SA7025 CX72301
RA2	Open	Short			
RA3	Open	Open			

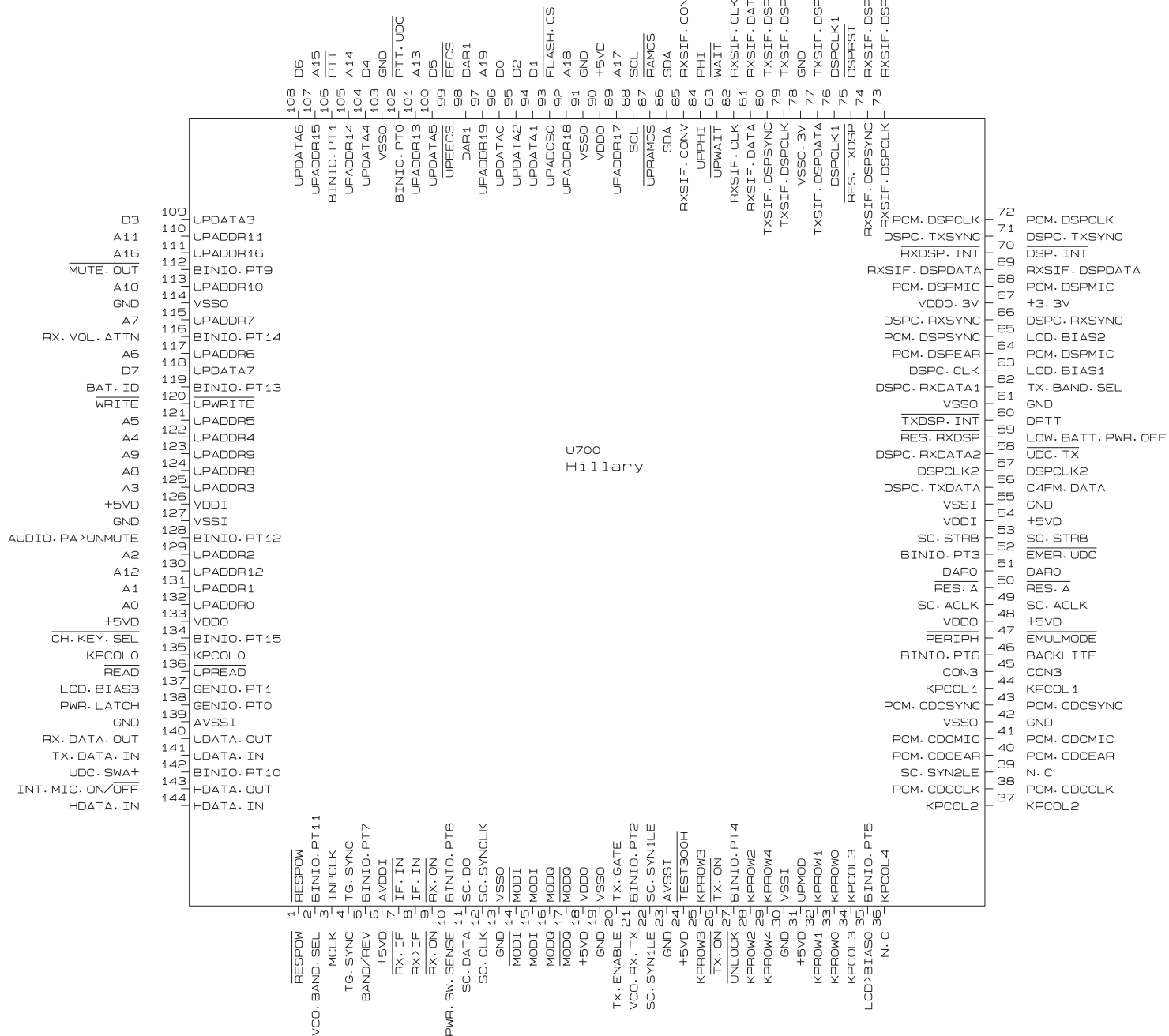
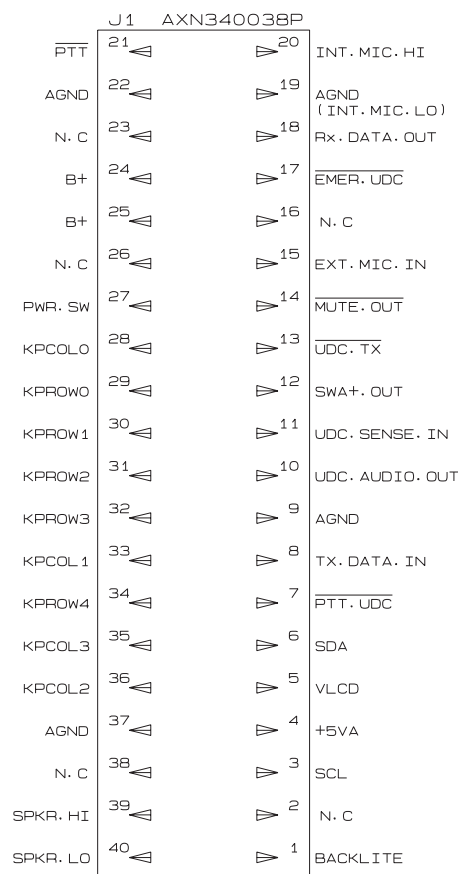
DRAWN H. Suzuki	DATE '03.02.20	CHECKED K. Sugimoto	DATE '03.02.20	DATE '03.02.20	UNIT mm	MODEL Portable Radio	EQPT. NAME P7100 UHF-L (4W)
DSGN OR ENGR H. Suzuki	DATE '03.02.20	APPROVED N. Kimura	DATE '03.02.20	STORED	SCALE	TITLE MAIN LOGIC Schematic Diagram	4/6
KOKUSAIDENKI ENGINEERING CO., LTD						DWG. No. G3UD07606	Rev. 2

REVISIONS	SYM	DATE	POSITION	DESCRIPTION	REVISED	CHECKED	APPROVED
1	X	03.03.12		Rev up	S.Kumagai	K.Sugimoto	N.Kimura
2	X	03.03.28		Rev up	S.Kumagai	K.Sugimoto	N.Kimura
3	X						
4	X						
5	X						



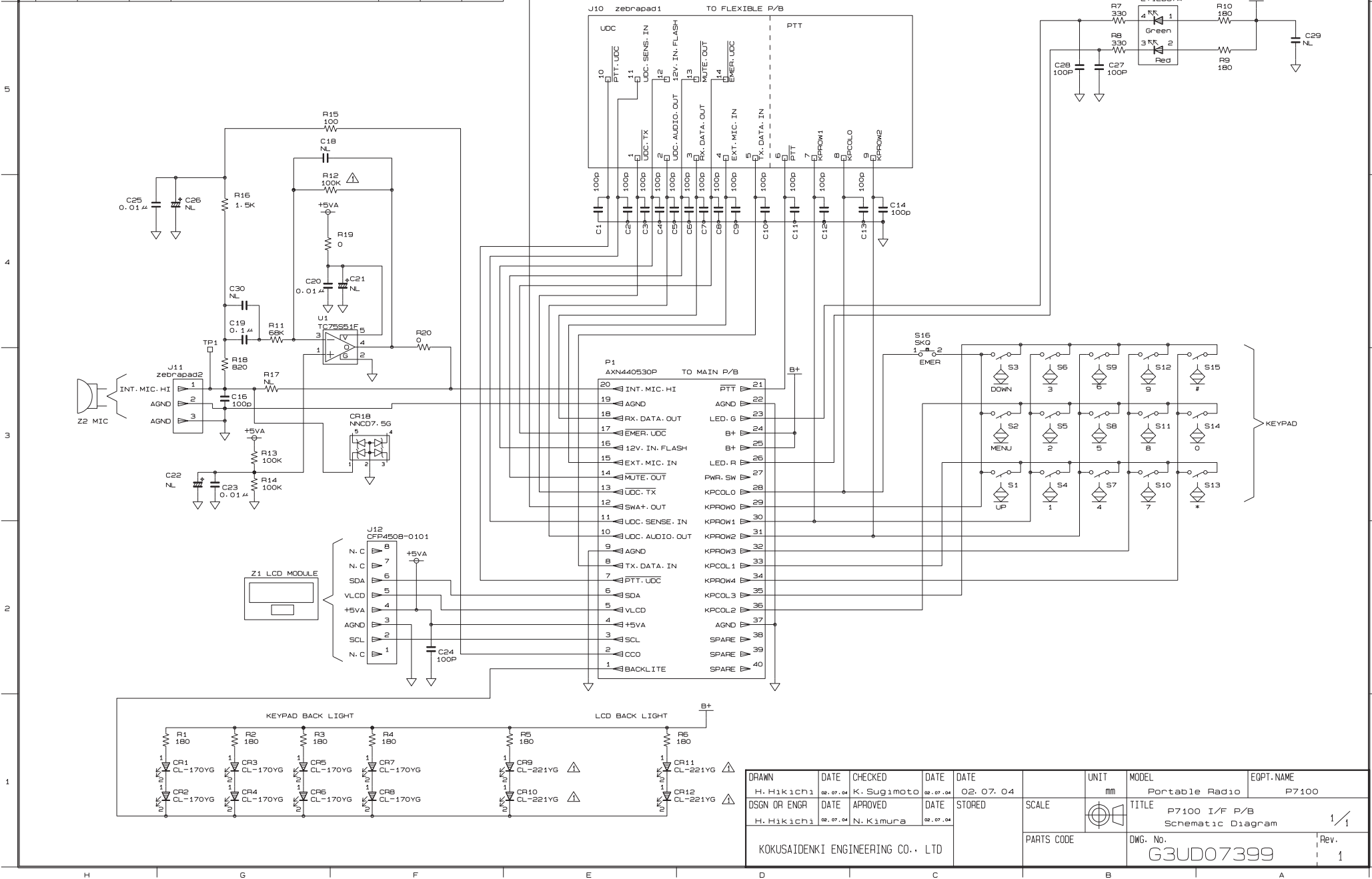
DRAWN H.Suzuki	DATE '03.02.20	CHECKED K.Sugimoto	DATE '03.02.20	DATE '03.02.20	UNIT mm	MODEL Portable Radio	EQPT.NAME P7100 UHF-L (4w)
DSGN OR ENGR H.Suzuki	DATE '03.02.20	APPROVED N.Kimura	DATE '03.02.20	STORED	SCALE	TITLE MAIN LOGIC Schematic Diagram	5/6
KOKUSAIDENKI ENGINEERING CO., LTD					PARTS CODE	DWG. No. G3UD07606	Rev. 2

		H		G		F		
6 REVISEMENTS	SYM	DATE	POSITION	DESCRIPTION		REVISED	CHECKED	APPROVED
	1 X	03.03.12		Rev up		S. Kumagai	K. Sugimoto	N. Kimura
	2 X	03.03.28		Rev up		S. Kumagai	K. Sugimoto	N. Kimura
	3 X							
	4 X							
	5 X							

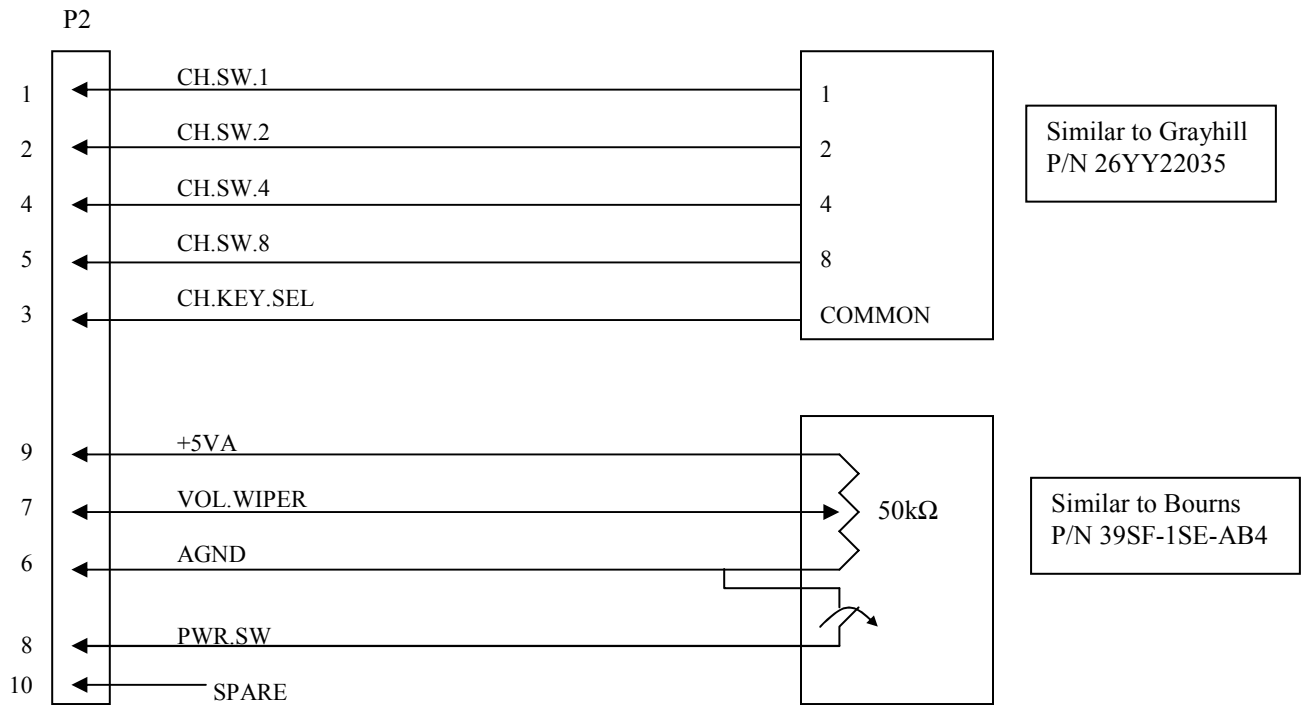


DRAWN H. Suzuki	DATE 03.02.20	CHECKED K. Sugimoto	DATE 03.02.20	DATE 03.02.20	UNIT mm	MODEL Portable Radio	EQPT. NAME P7100 UHF-L (4W)	
DSGN OR ENGR H. Suzuki	DATE 03.02.20	APPROVED N. Kimura	DATE 03.02.20	STORED	SCALE 	TITLE MAIN LOGIC Schematic Diagram		6 / 6
KOKUSAIDENKI ENGINEERING CO., LTD					PARTS CODE	DWG. No. G3UD07606	Rev. 2	

REVISIONS	SYM	DATE	POSITION	DESCRIPTION	REVISED	CHECKED	APPROVED
1	X	02.11.11		Constant modification(R12,CR8,CR10,CR11,CR12)	H.Hikichi	K.Sugimoto	N.Kimura
2	X						
3	X						
4	X						
5	X						



DRAWN	DATE	CHECKED	DATE	DATE	UNIT	MODEL	EQPT. NAME
H. Hikichi	02.07.04	K. Sugimoto	02.07.04	02.07.04	mm	Portable Radio	P7100
DSGN OR ENGR	DATE	APPROVED	DATE	STORED	SCALE	TITLE	
H. Hikichi	02.07.04	N. Kimura	02.07.04			P7100 I/F P/B Schematic Diagram	1/1
KOKUSAIDENKI ENGINEERING CO., LTD					PARTS CODE	DWG. No.	Rev.
						G3UD07399	1



Channel Switch Switch Position	Truth Table Gray Output*			
	1	2	4	8
1				
2	•			
3	•	•		
4		•		
5		•	•	
6	•	•	•	
7	•		•	
8			•	
9			•	•
10	•		•	•
11	•	•	•	•
12		•	•	•
13		•		•
14	•	•		•
15	•			•
16				•

* Dot indicates terminal is tied to common

Date: July/01/2002			Stored	Equipment Name: P7100		
Approved	Checked	Drawn		Title		
N.Kimura	K.Sugimoto	S.Kumagai		Switch Module Assembly Schematic Diagram		
Kokusai Denki Engineering Co., LTD.				DWG. No.	Page	Rev.
				G4UD07379	1/1	0

