

Service Manual

BX-3

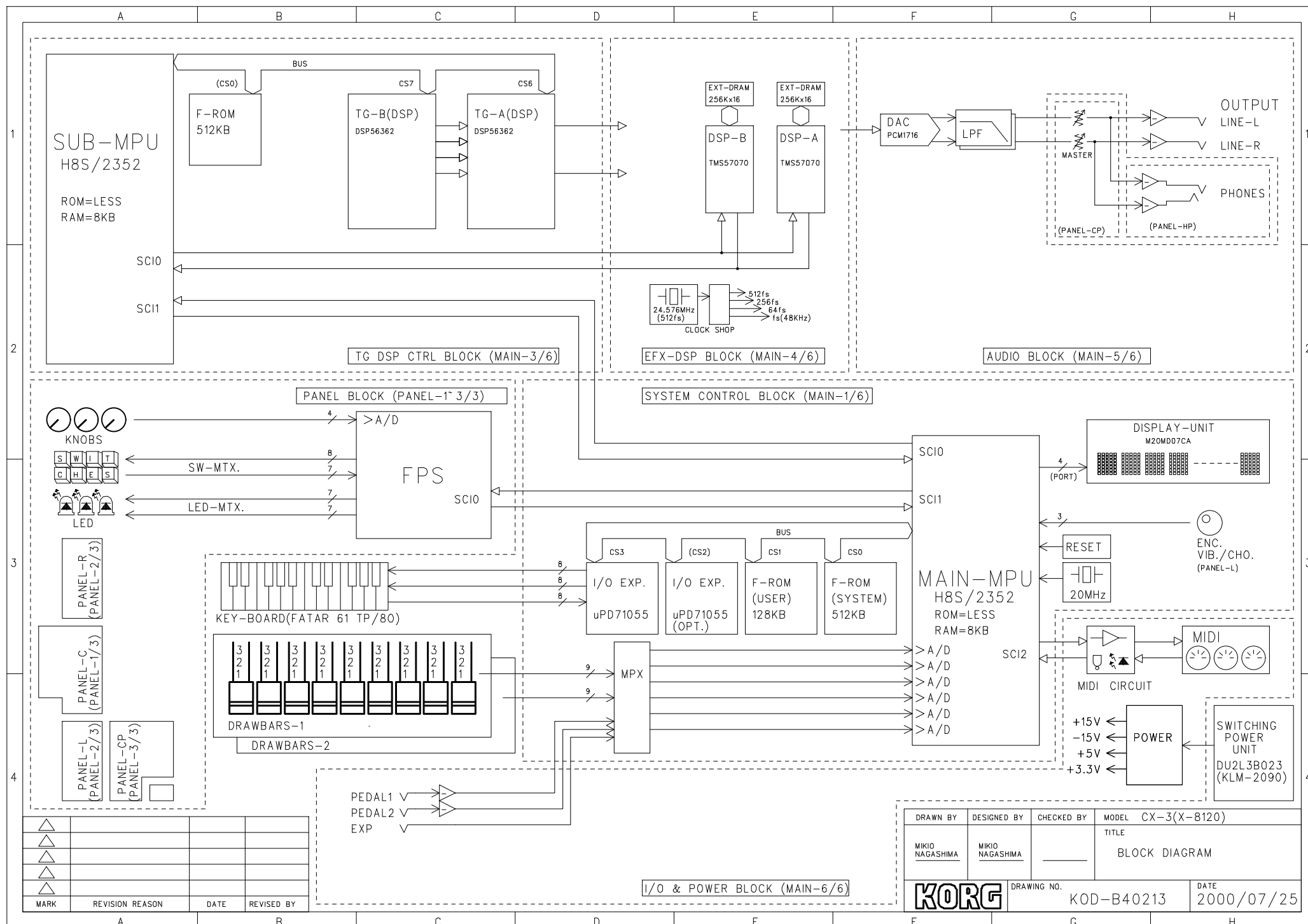
CONTENTS

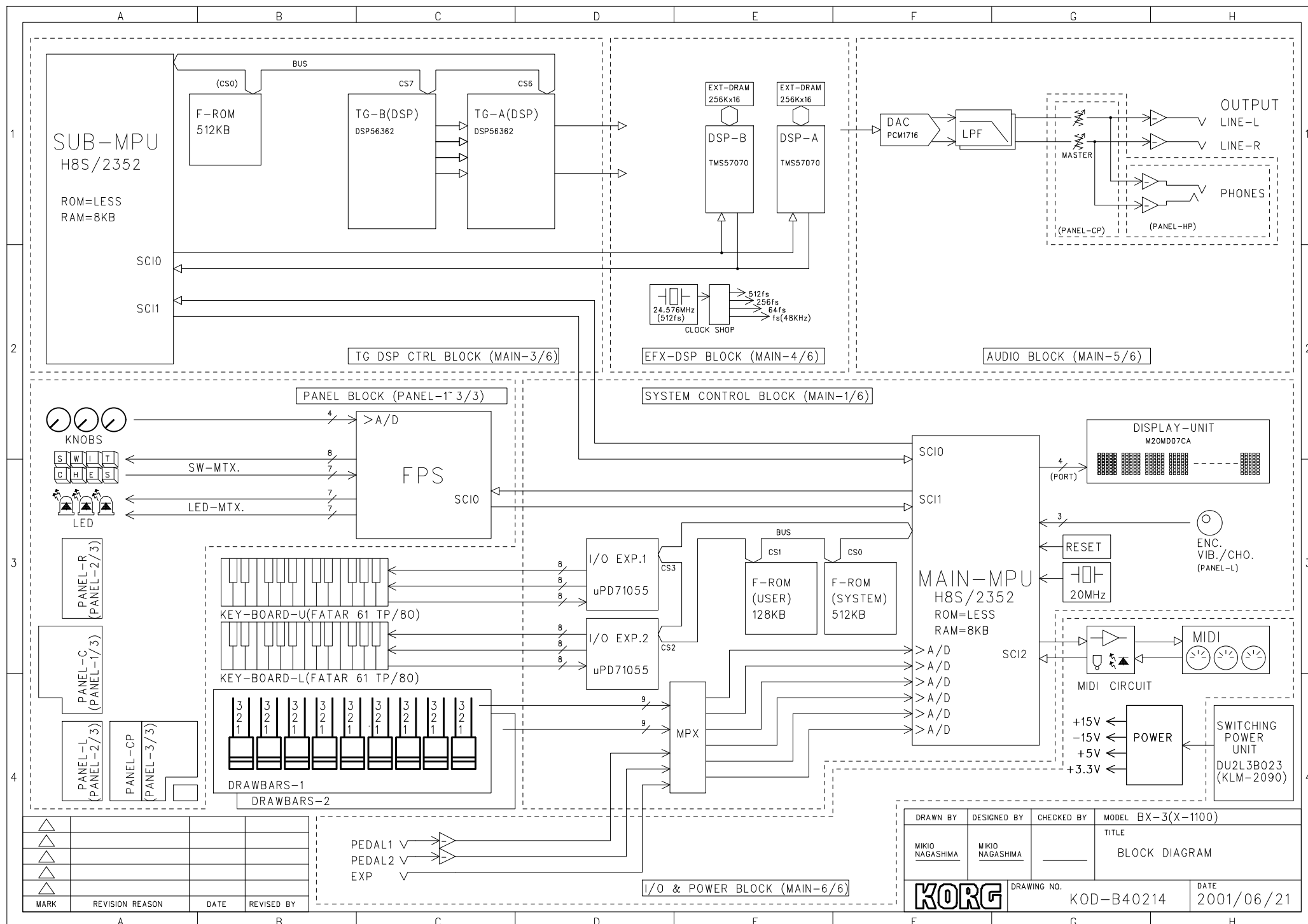
- 1) Circuit Diagram: Page 2-16
- 2) Test Mode: Page 17
- 3) Parts List: Page 18-20

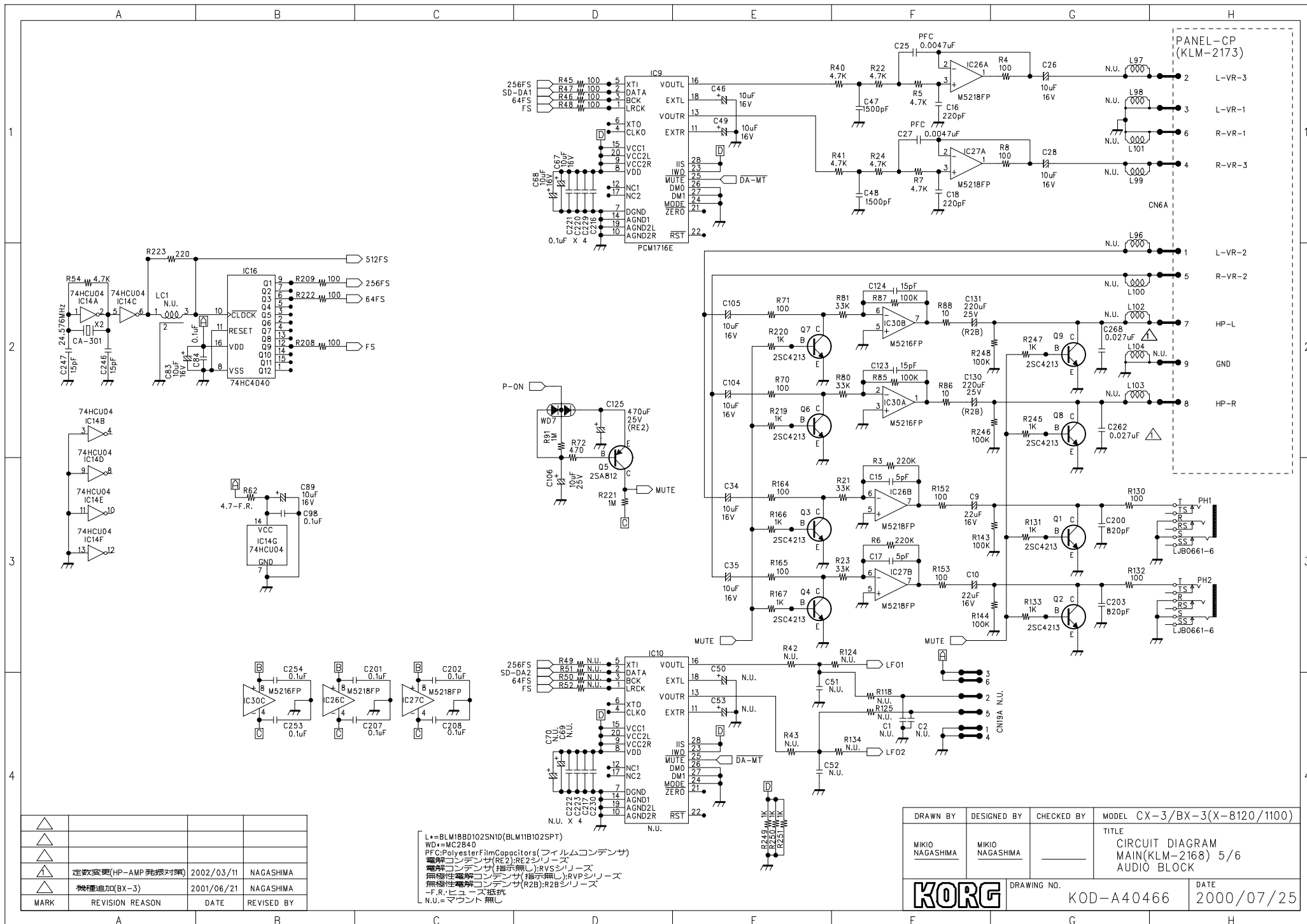
1st Edition

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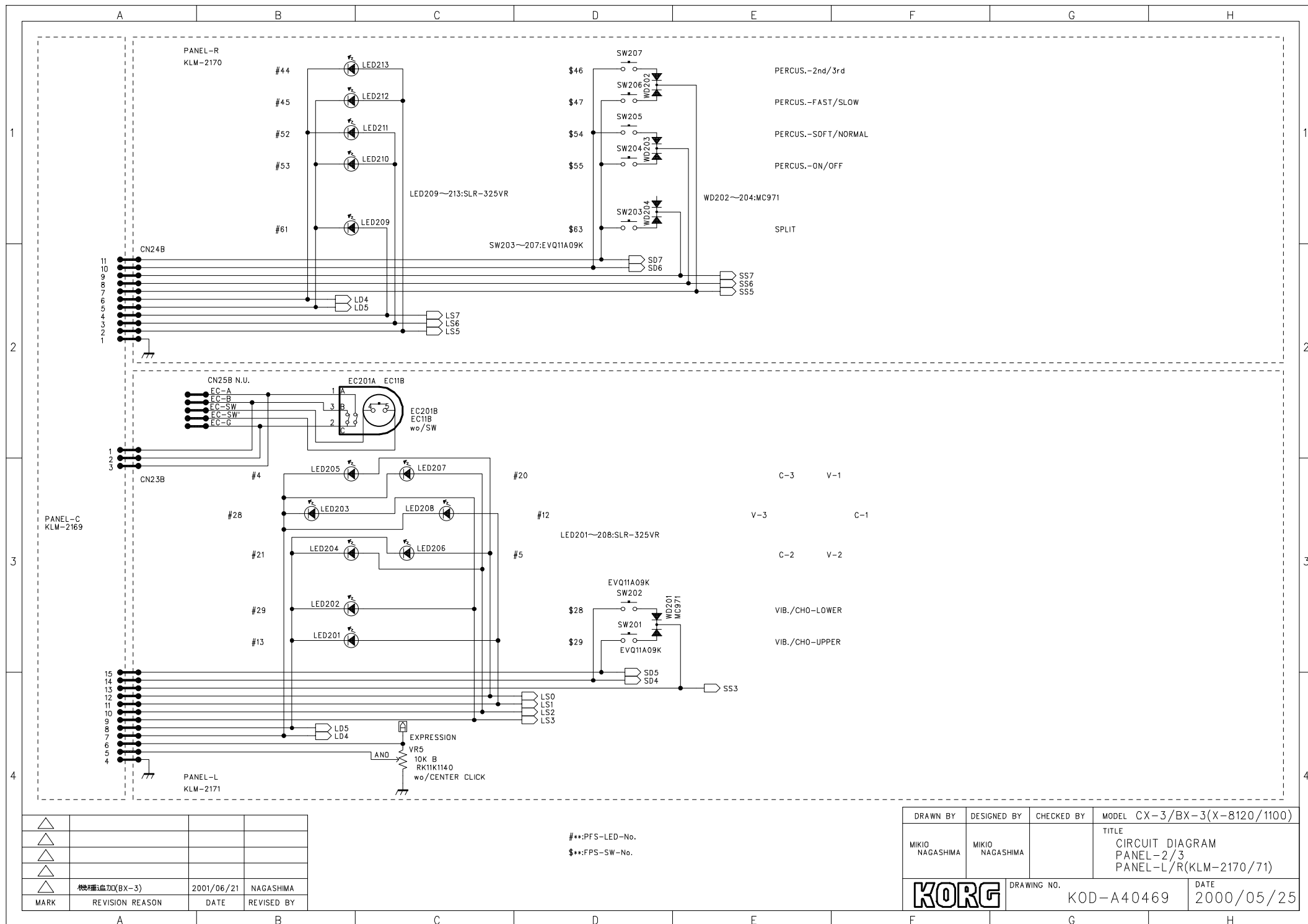
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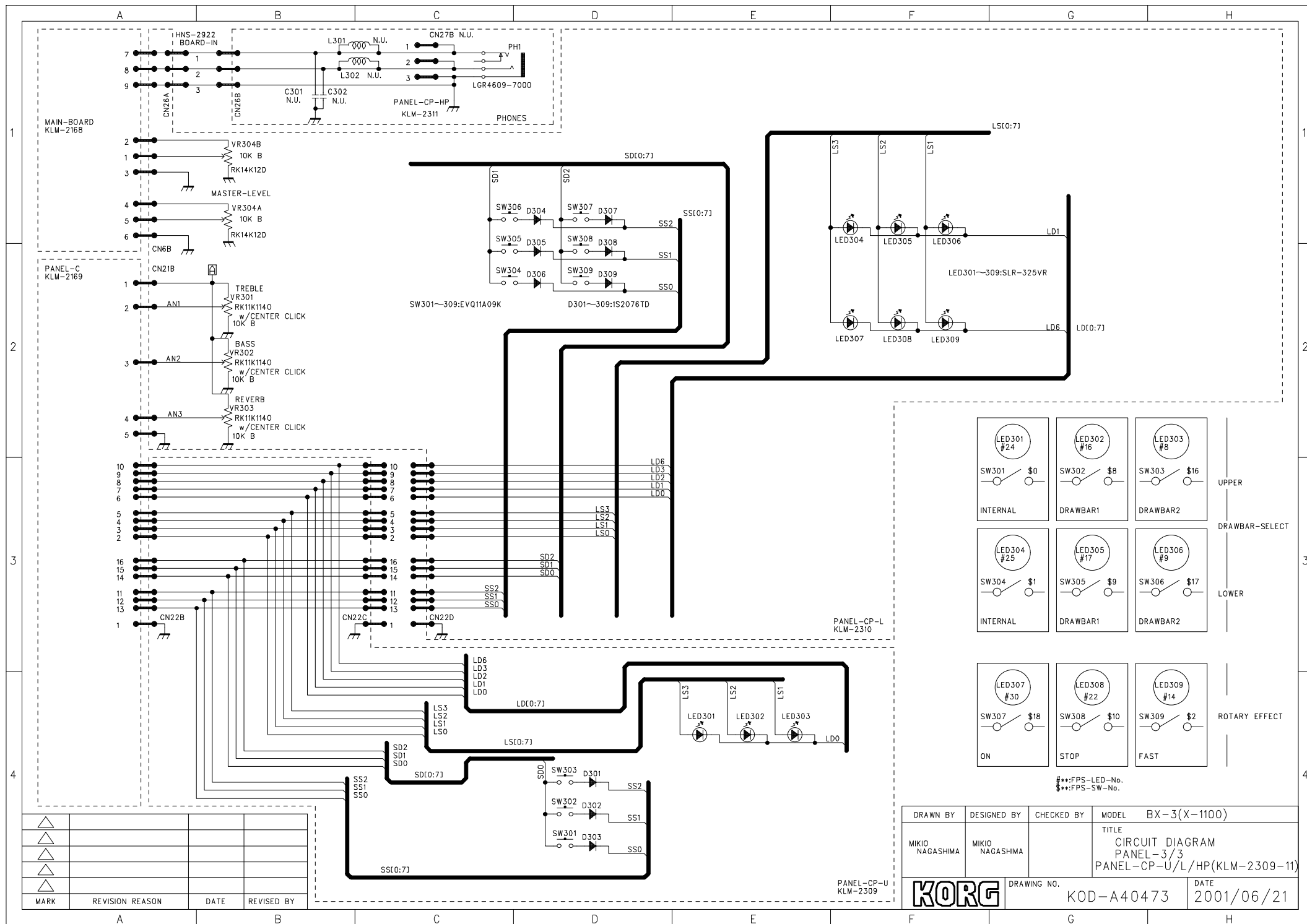


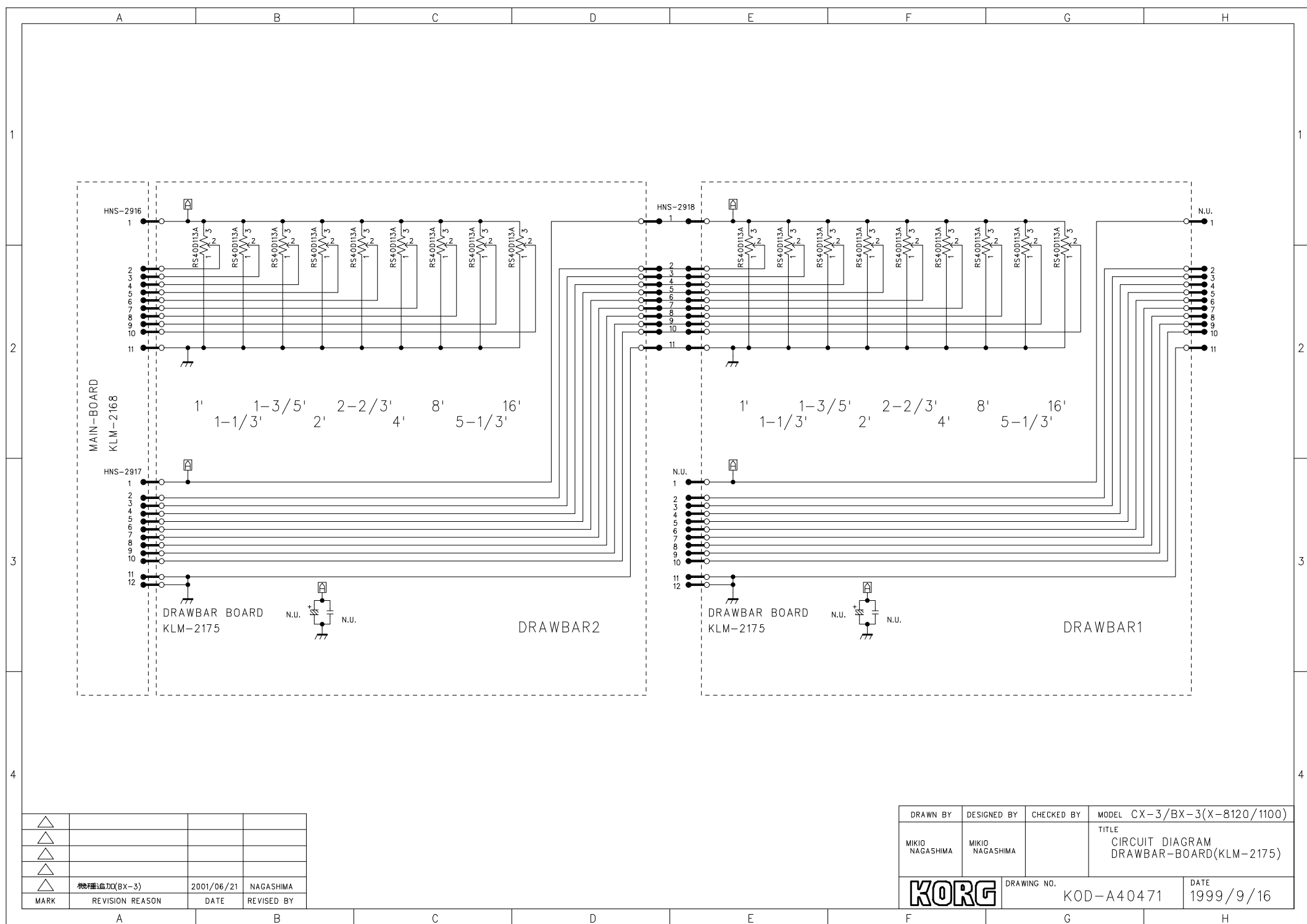


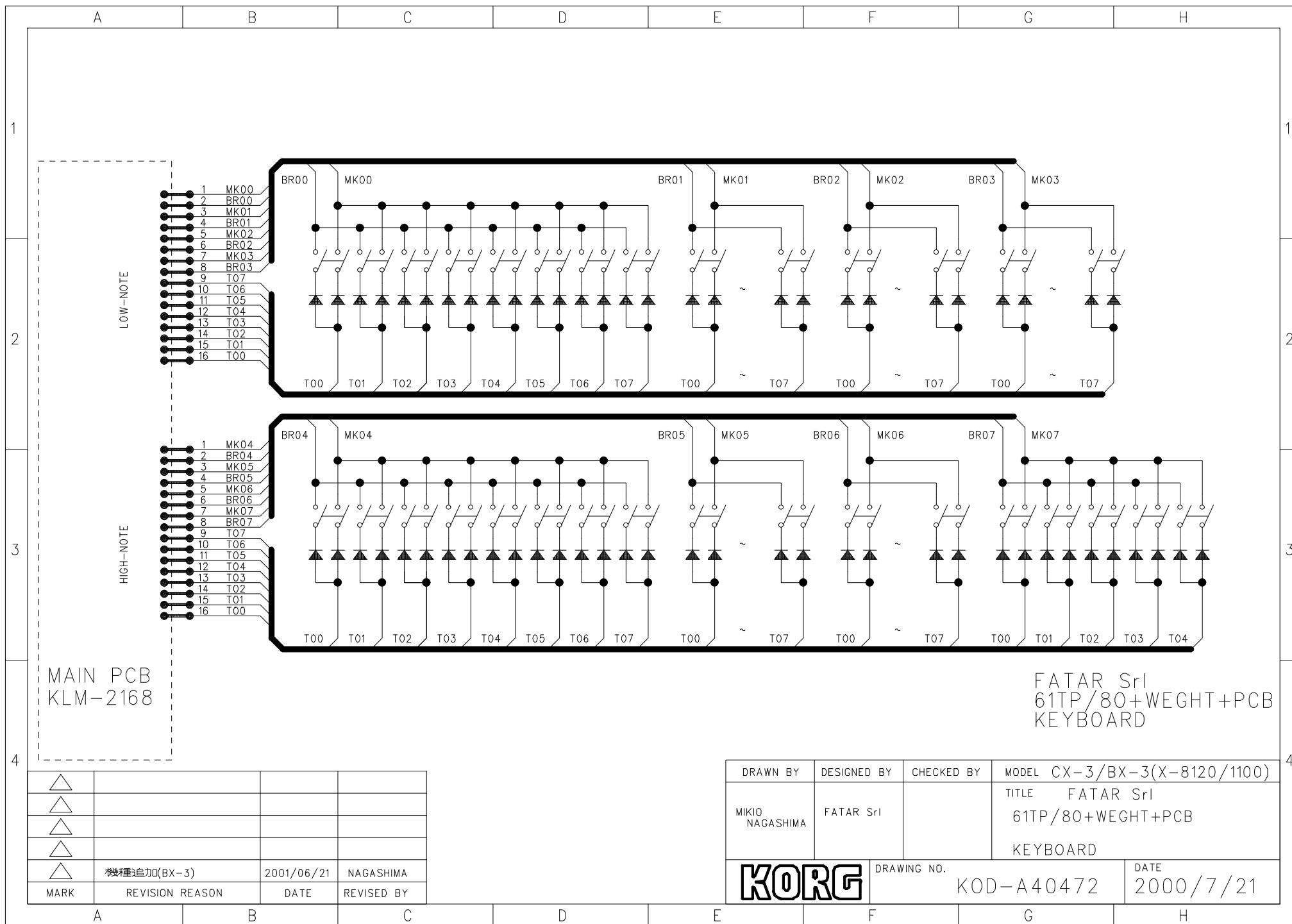


DRAWING NO.	KOD-A40468	DATE	2000/05/25
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BX3

How to start the test mode

[4] + [6] & [POWER ON]

How to operate the test mode

[SOFT]	: Item Up
[ON]	: Item Down
[3rd]	: Step Up
[FAST]	: Step Down
[3rd]	: Internal Test Error Skip

※Usually press [3rd] to proceed the test mode.

PART CODE	PART NAME	NOTE	Q'TY	Description
001216801	PCB ASSY KLM-2168 BX-3	BX-3 M.PART	1	
001216900	PCB ASSY KLM-2169 CX-3/BX-3	BX-3 M.PART	1	
001217000	PCB ASSY KLM-2170/71 CX-3/BX-3	BX-3 M.PART	1	
001230900	PCB ASSY KLM-2309-11 BX-3	BX-3 M.PART	1	
002202091	PCB ASSY KLM-2090 : CEM3	BX-3 M.PART	1	
002217500	DRAWBAR ASSY (X-8120)	BX-3 M.PART	1	
304000070	TR 2SA812-T1B (M5-7) (TS)	KLM-2168 BX-3	1	
304020340	TR 2SC4213-A TE85L (TS)	KLM-2168 BX-3	8	
304050220	DIGITAL TR DTC114ESA TP(TR)	KLM-2169 BX-3	7	
304050270	DIGITAL TR DTB113ZSTP(TR)	KLM-2169 BX-3	7	
313005300	VFD MODULE M202MD07CA	BX-3 M.PART	1	
314001800	DIODE 1SS355 TE-17 (TS)	KLM-2168 BX-3	1	
314010300	DIODE 1S2076TD (TA)	KLM-2169 BX-3	18	
314010300	DIODE 1S2076TD (TA)	KLM-2309/10/11	9	
314010310	LED HLMF-K200#2UM (TR)	KLM-2169 BX-3	3	
314031000	LED SLR-325VRT31(TR)	KLM-2170/71 BX	13	
314031000	LED SLR-325VRT31(TR)	KLM-2309/10/11	9	
315000500	DOUBLE DIODE MC-2840-T12-1(TS)	KLM-2168 BX-3	7	
315000900	DIODE BRIDGE MC971-T11(TR)	KLM-2170/71 BX	4	
320001261	IC UPD71055GB-10-3B4 (S)	KLM-2168 BX-3	2	I/O
320004671	IC HD6412352F20(D12352F20)(S)	KLM-2168 BX-3	2	MPU
320007027	IC BA033T	KLM-2168 BX-3	1	REG
320012222	IC MB89635RP-G-368-SH	KLM-2169 BX-3	1	MPU
320012304	IC MBM29F400BC-70PF X1100A :S	KLM-2168 BX-3	1	FLASH ROM
320012305	IC MBM29F400BC-70PF X1100B :S	KLM-2168 BX-3	1	FLASH ROM
320020206	IC XCB56362PV100 (S)	KLM-2168 BX-3	2	DSP
320021156	IC TMS57070FFT (S)	KLM-2168 BX-3	2	DSP
320049001	IC SST29EE010-90-4C-NH (S)	KLM-2168 BX-3	1	FLASH ROM
324001006	IC UPD74HCU04GS-E2 (TS)	KLM-2168 BX-3	1	LOGIC
324003059	IC TC7SH04FU(TE85L) (TS)	KLM-2168 BX-3	1	LOGIC
324004165	IC HD74HC4040FPEL (TS)	KLM-2168 BX-3	1	LOGIC
324004167	IC HD74HC4052FPEL (TS)	KLM-2168 BX-3	3	LOGIC
324004176	IC HD74HC05FPEL (TS)	KLM-2168 BX-3	1	LOGIC
324009004	IC NJM78L05UA-TE1 (TS)	KLM-2168 BX-3	1	REG
324011002	IC M5223FP-600C (TS)	KLM-2168 BX-3	1	OP AMP
324011004	IC M5216FP-600C (TS)	KLM-2168 BX-3	1	OP AMP
324011012	IC M51953BFP-600C (TS)	KLM-2168 BX-3	1	RESET
324011017	IC M5218AFP-600C (TS)	KLM-2168 BX-3	2	OP AMP
324036008	IC PCM1716E/2K(TS)	KLM-2168 BX-3	1	DAC
324046001	IC T224162B-35J-TR(TS)	KLM-2168 BX-3	2	DRAM
334000600	PHOTO COUPLER PC-410K (TS)	KLM-2168 BX-3	1	
335009500	CERAMIC OSC CSTLA10M0T55-B0	KLM-2169 BX-3	1	
335011000	CRYSTAL OSC CA-301 20.00MHZ	KLM-2168 BX-3	1	
335011200	CRYSTAL OSC CA-301 24.576MHZ	KLM-2168 BX-3	1	
360024100	VR RK1631110TDA	KLM-945/946 BX	2	
360024800	VR RK14K12D0D08 10KBX2	KLM-2309/10/11	1	
362009031	VR RK11K114004L 10KB	KLM-2309/10/11	3	
362009032	VR RK11K1140A23 10KB	KLM-2170/71 BX	1	
370005300	REC EC11B15204AH	KLM-2170/71 BX	1	
374000600	TSW EVQ11A09K (TR)	KLM-2170/71 BX	7	
374000600	TSW EVQ11A09K (TR)	KLM-2309/10/11	9	
374000600	TSW EVQ11A09K (TR)	KLM-2169 BX-3	18	
375012500	PSW SDDFA31500	BX-3 M.PART	1	
404001070	CHIP COIL BLM18BD102SN1D (TS)	KLM-2168 BX-3	71	
420006900	61TP/80+W+PCB(128/129)CEM1	BX-3 M.PART	2	
450003100	PHONE JACK LGR4609-7000	KLM-2309/10/11	1	
450003900	PHONE JACK LJB0661-6	KLM-2168 BX-3	5	
471070801	CONNECTOR TOP B8B-PH-K-S (U)	KLM-2168 BX-3	1	

PART CODE	PART NAME	NOTE	Q'TY	Description
471101050	CONNECTOR TOP SC25-05WS	KLM-2168 BX-3	1	
471102050	CONNECTOR TOP SJ20-05WX	KLM-2309/10/11	1	
471102050	CONNECTOR TOP SJ20-05WX	KLM-2169 BX-3	1	
471102060	CONNECTOR TOP SJ20-06WX	KLM-2168 BX-3	1	
471102090	CONNECTOR TOP SJ20-09WX	KLM-2168 BX-3	1	
471102090	CONNECTOR TOP SJ20-09WX	KLM-2309/10/11	1	
471102110	CONNECTOR TOP SJ20-11WX	KLM-2170/71 BX	1	
471102110	CONNECTOR TOP SJ20-11WX	KLM-2168 BX-3	1	
471102110	CONNECTOR TOP SJ20-11WX	KLM-2169 BX-3	1	
471102120	CONNECTOR TOP SJ20-12WX	KLM-2168 BX-3	1	
471102130	CONNECTOR TOP SJ20-13WX	KLM-2168 BX-3	1	
471102130	CONNECTOR TOP SJ20-13WX	KLM-2169 BX-3	1	
471102150	CONNECTOR TOP SJ20-15WX	KLM-2170/71 BX	1	
471102150	CONNECTOR TOP SJ20-15WX	KLM-2169 BX-3	1	
471102160	CONNECTOR TOP SJ20-16WX	KLM-2309/10/11	3	
471102160	CONNECTOR TOP SJ20-16WX	KLM-2169 BX-3	1	
474019500	CONNECTOR 1-215079-6 16P (AMP)	KLM-2168 BX-3	4	
475002215	HARNESS HNS-2215	BX-3 M.PART	1	
475002761	HARNESS HNS-2761	BX-3 M.PART	1	
475002825	HARNESS HNS-2825	BX-3 M.PART	1	
475002922	HARNESS HNS-2922 BOARD IN	KLM-2309/10/11	1	
475002925	HARNESS HNS-2925	BX-3 M.PART	1	
475002982	HARNESS HNS-2982	BX-3 M.PART	1	
475002983	HARNESS HNS-2983	BX-3 M.PART	1	
475002985	HARNESS HNS-2985	BX-3 M.PART	1	
475002986	HARNESS HNS-2986	BX-3 M.PART	1	
475003094	HARNESS HNS-3094	BX-3 M.PART	1	
475003095	HARNESS HNS-3095	BX-3 M.PART	1	
475003096	HARNESS HNS-3096	BX-3 M.PART	1	
475003097	HARNESS HNS-3097 BOARD IN	KLM-945/946 BX	1	
475008054	HARNESS HNS-8054	BX-3 M.PART	1	
475103098	HARNESS HNS-3098(F)L=600MM	BX-3 M.PART	1	
475103099	HARNESS HNS-3099(F)L=520MM	BX-3 M.PART	1	
475108028	HARNESS HNS-8025(F) L=33CM	BX-3 M.PART	2	
480010200	DIN SOCKET YKF51-5046	KLM-2168 BX-3	1	
500019500	X-122W PANEL CUSHION 2 F40576	BX-3 M.PART	11	
500023300	X-323 CUSHION C KOC-F40661	BX-3 M.PART	16	
500033800	X-1100 CUSHION PLATE F41000	BX-3 M.PART	1	
500033900	X-1100 MID BOARD MASK F41001	BX-3 M.PART	1	
500034000	X-1100 FRONT BAR FELT F41006	BX-3 M.PART	1	
525001300	FERRITE CORE NFT-25(WITH CASE)	BX-3 M.PART	1	
540020200	INLET SOCKET SS-7B	BX-3 M.PART	1	
580048001	X8120/1100 REAR SHEET F40911-2	BX-3 M.PART	1	
600005300	AC CORD DC-480-J01	BX-3 JP M.PART	1	
600005400	AC CORD EC-652-E03	BX-3 GE M.PART	1	
600005700	AC CORD UC-953-J01	BX-3 CN M.PART	1	
600005700	AC CORD UC-953-J01	BX-3 US M.PART	1	
600007500	AC CORDSET B06-15020002(UK)	BX-3 UK M.PART	1	
620024600	X-925 PSW KNOB KOC-E40304-2	BX-3 M.PART	1	
620032000	4 LINKAGE KNOB E20180/H40130-2	BX-3 M.PART	1	
620032300	4 LINKAGE KNOB E20180/H40131-2	BX-3 M.PART	2	
620032400	4 LINKAGE KNOB E20180/H40131-1	BX-3 M.PART	3	
620037600	X-8110 LED REFLECTOR H40147-1	BX-3 M.PART	22	
620038300	X-8120 SQUARE KNOB (IVORY)	BX-3 M.PART	9	
620039700	X-8120 SQUARE KNOB (GRAY)	BX-3 M.PART	7	
620039800	VR KNOB DRD-130D98(S)	BX-3 M.PART	5	
620039900	X-8120 KNOB L-4-BK H40148-5	BX-3 M.PART	2	

PART CODE	PART NAME	NOTE	Q'TY	Description
620040000	X-332 ENCODER KNOB E30187-1	BX-3 M.PART	1	
630031500	X-8120 VFD WINDOW KOC-E40502	BX-3 M.PART	1	
630035200	X-1100 SHIELD SHEET KOC-F41002	BX-3 M.PART	1	
641038500	X-181 PP SUPPORT PLATE C40907	BX-3 M.PART	1	
641039700	X-115 PSW METAL FITTING C40914	BX-3 M.PART	1	
641041165	X-410 WHEEL METAL FITTING ASSY	BX-3 M.PART	1	
641041436	GND METAL FITTING M1866-A	KLM-2309/10/11	1	
641041584	X-8120 L TYPE ANGLE C41178-1	BX-3 M.PART	3	
641041598	X-8120 FRONT GRILL KOC-C20362	BX-3 M.PART	1	
641041599	X-8120 PCB CHASSIS ASSY H30203	BX-3 M.PART	1	
641041600	GND PLATE KOC-C41104	KLM-2168 BX-3	5	
641041601	X-8120 ORNAMENT WASHER C41197	BX-3 M.PART	6	
641041612	X-8410 KORG PLATE 4 C41155-4	BX-3 M.PART	1	
641041690	X-1100 DB CHASSIS 2 C20365-2	BX-3 M.PART	1	
641041699	X-1100 DB-U BRACKET KOC-C30578	BX-3 M.PART	3	
641041700	X-1100 MID BRACKET KOC-C30579	BX-3 M.PART	3	
641041701	X-1100 FRONT BAR U KOC-C20376	BX-3 M.PART	1	
641041702	X-1100 FRONT BAR L KOC-C20377	BX-3 M.PART	1	
641041703	X-1100 CONTROL PANEL U C20378	BX-3 M.PART	1	
641041704	X-1100 CONTROL PANEL L C20379	BX-3 M.PART	1	
641041705	X-1100 PANEL KOC-C10233	BX-3 M.PART	1	
644007300	X-410 WHEEL SPRING C40689-2	BX-3 M.PART	1	
645053265	X-1100 BOTTOM CASE ASSY H20036	BX-3 M.PART	1	
645053266	X-1100 STAND KIT STD-BX3	BX-3 M.PART	1	
645053267	X-1100 MID BOARD D30246	BX-3 M.PART	1	
645053268	X-1100 ROOF BOARD D30243	BX-3 M.PART	1	
646026201	X-707 WHEEL (BK) E30094-1	BX-3 M.PART	2	