

Service Manual

D3200

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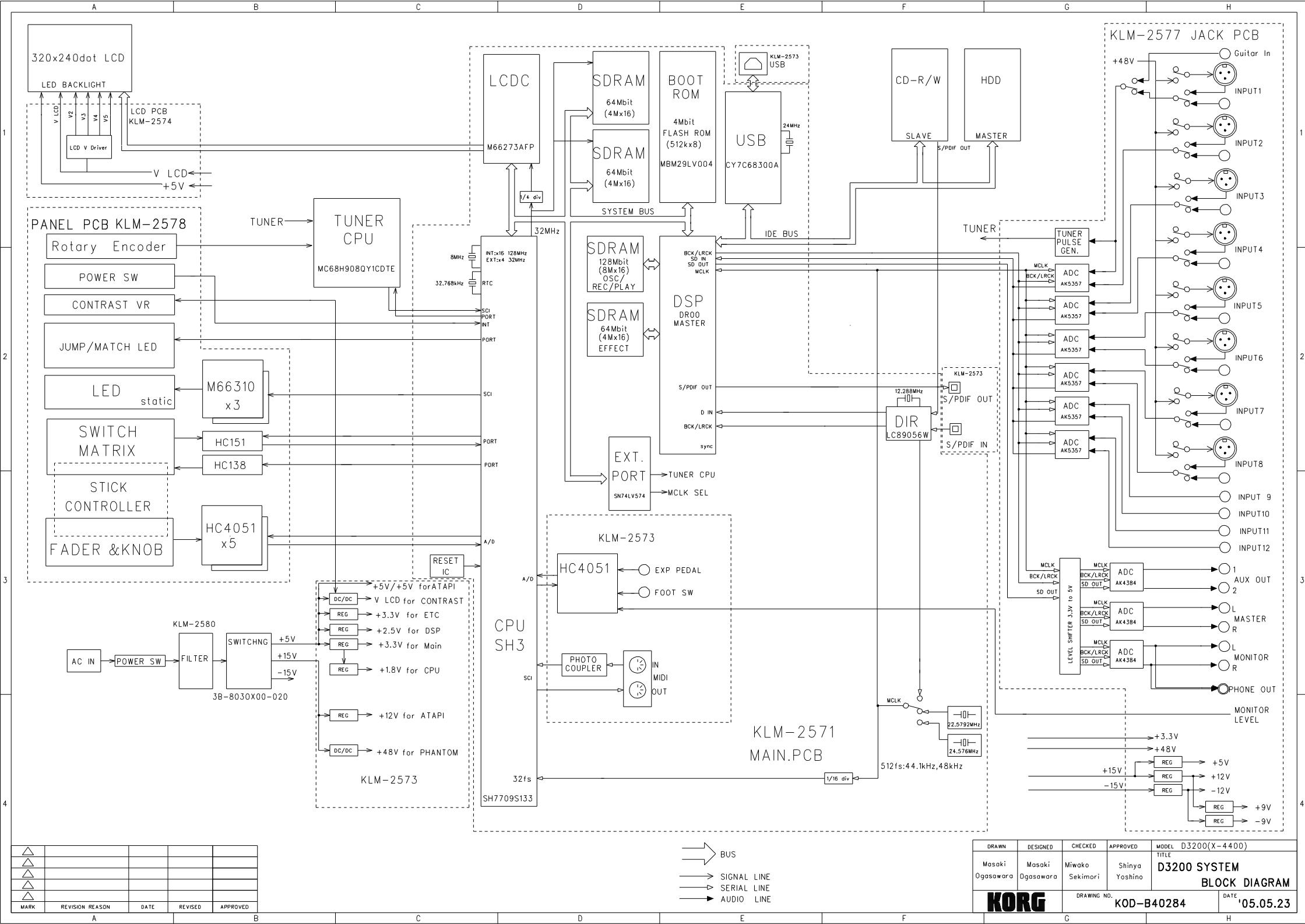
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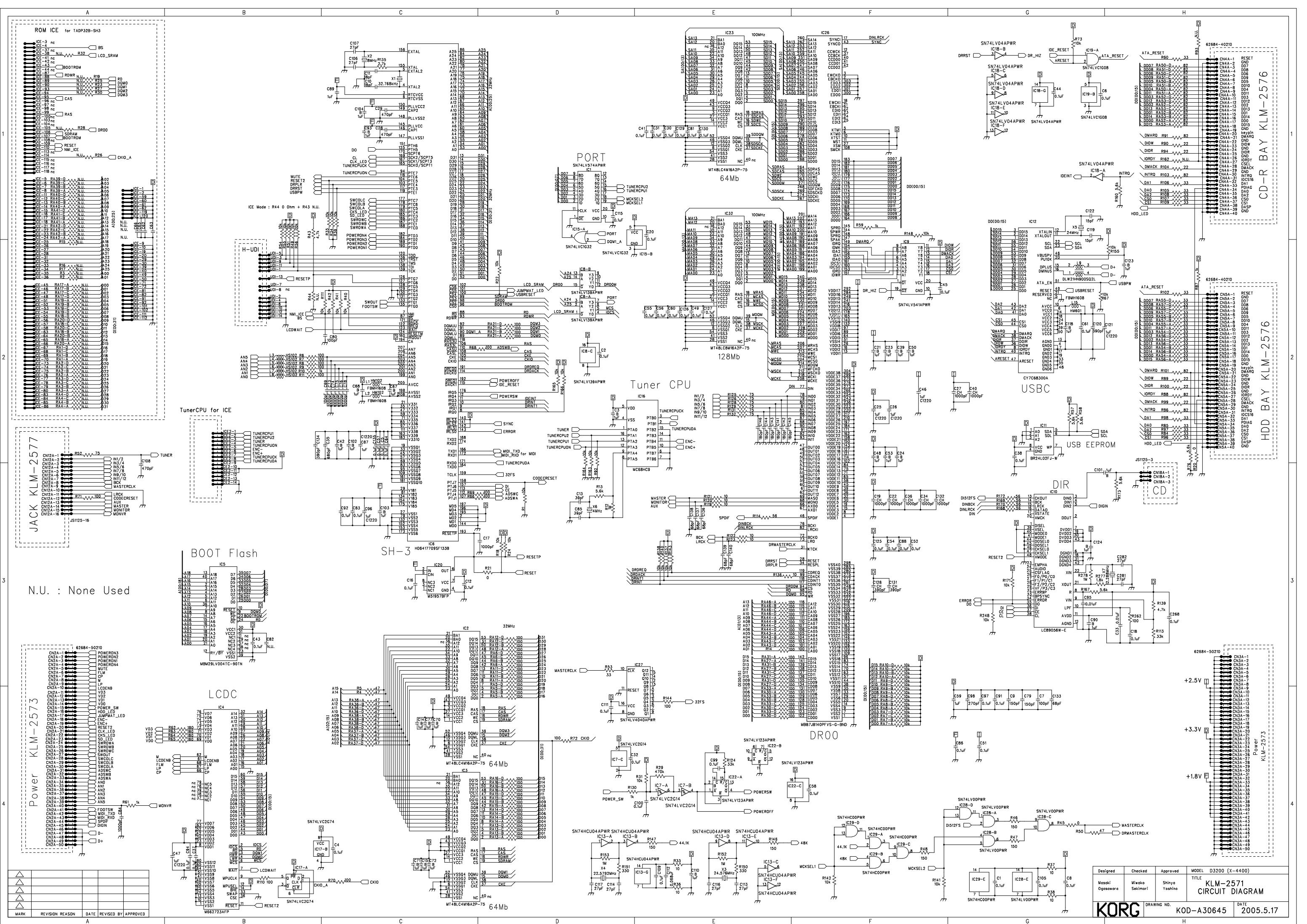
1st Edition

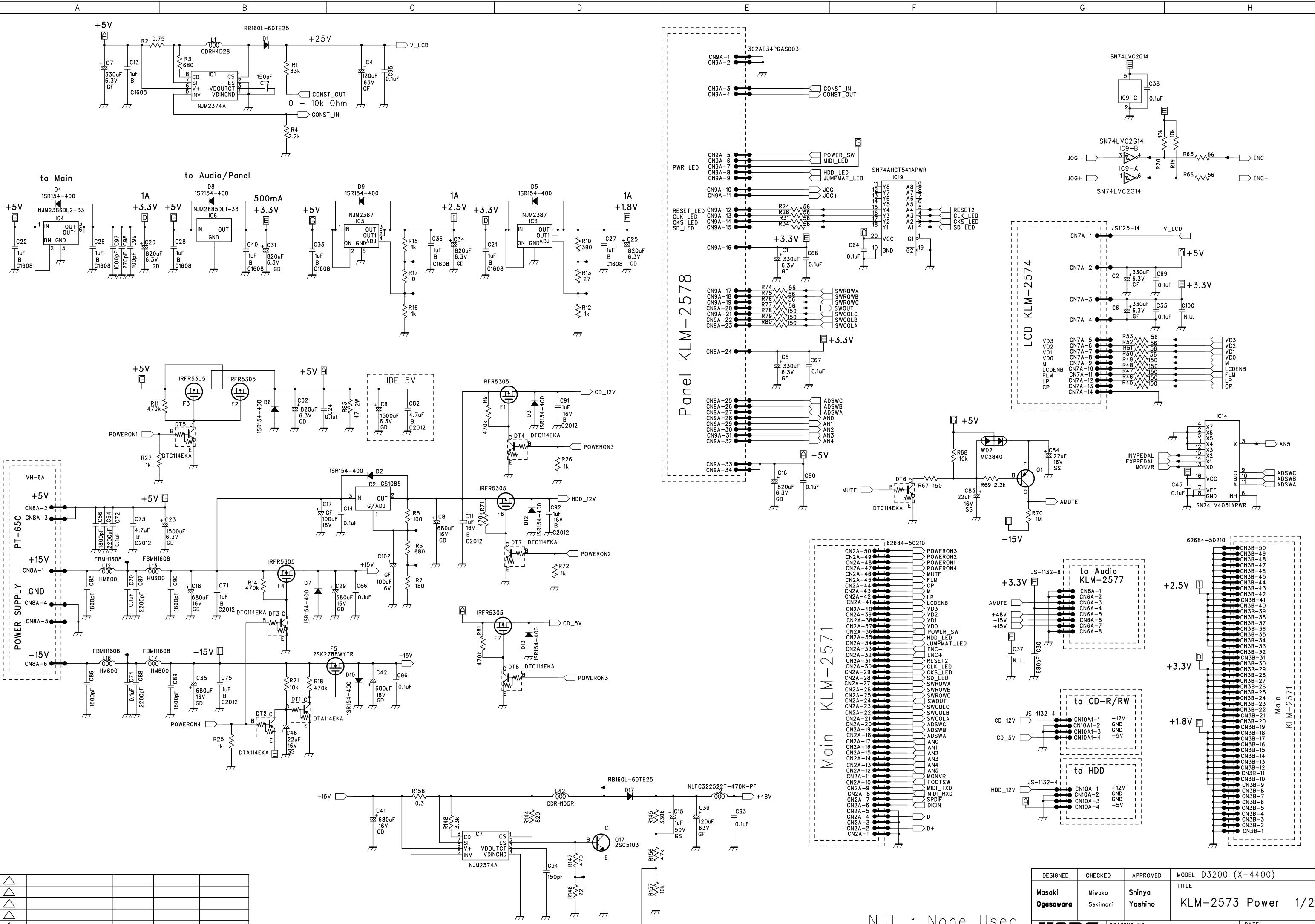
Issued date: November 9, 2005

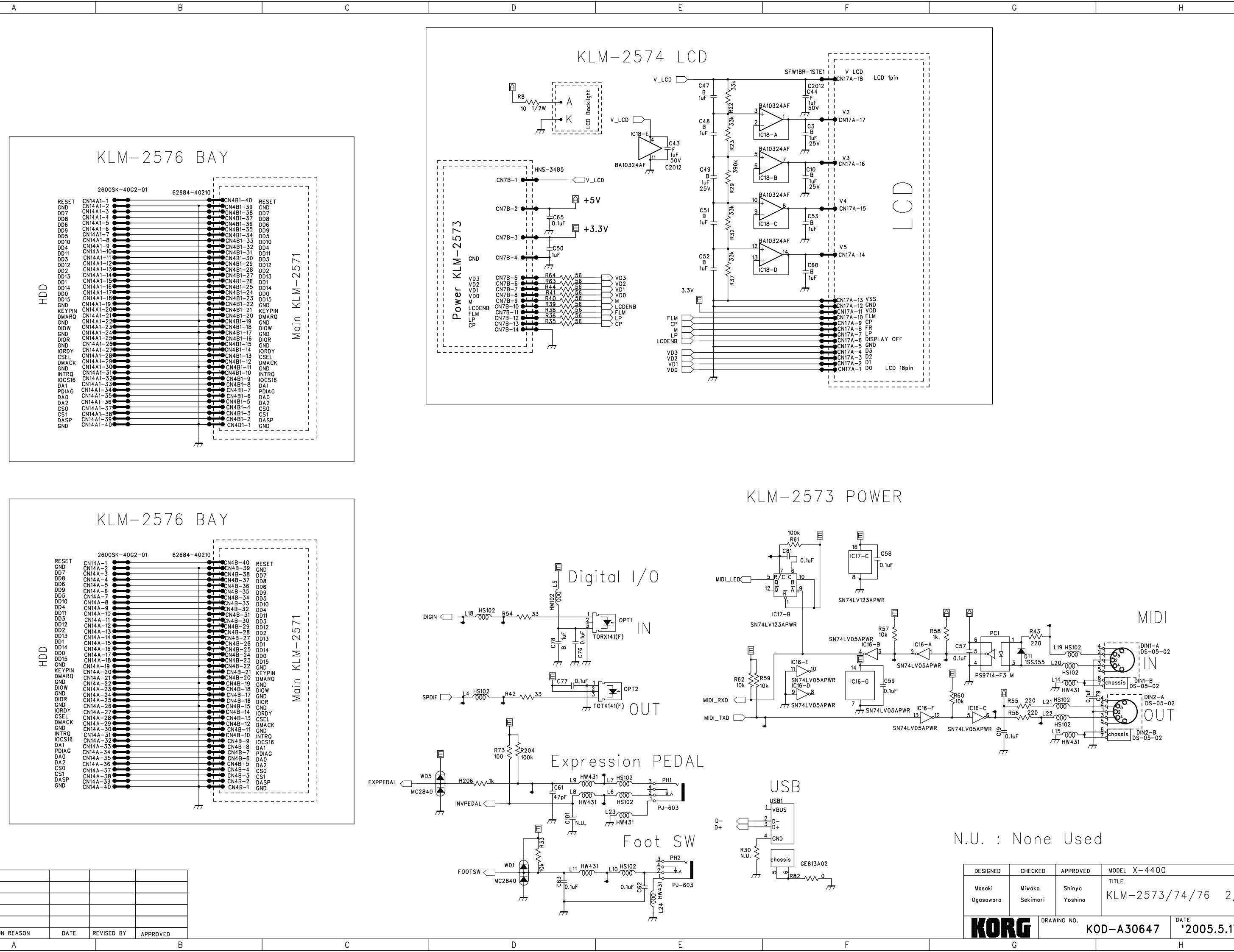
Issued by: KORG INC.

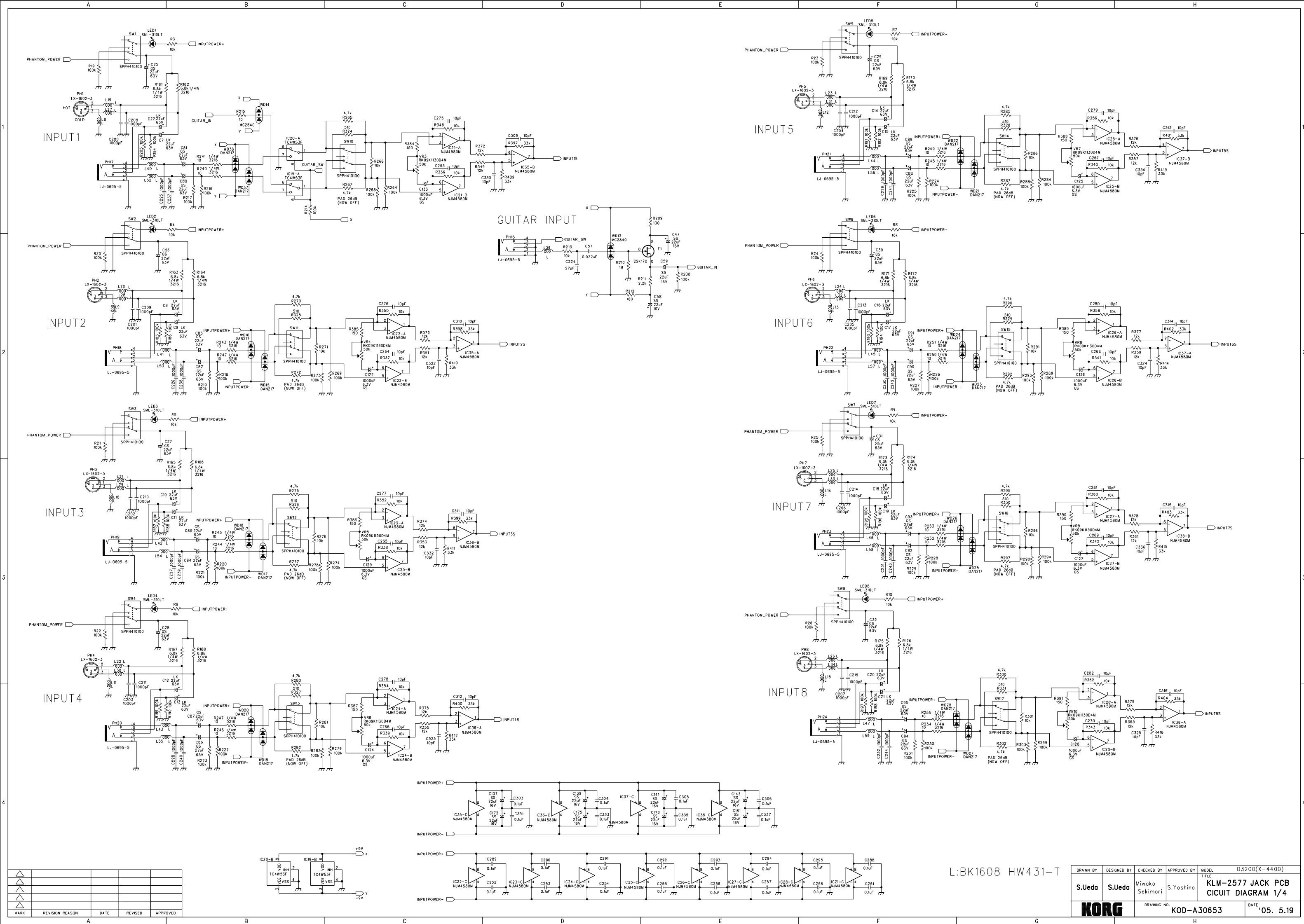
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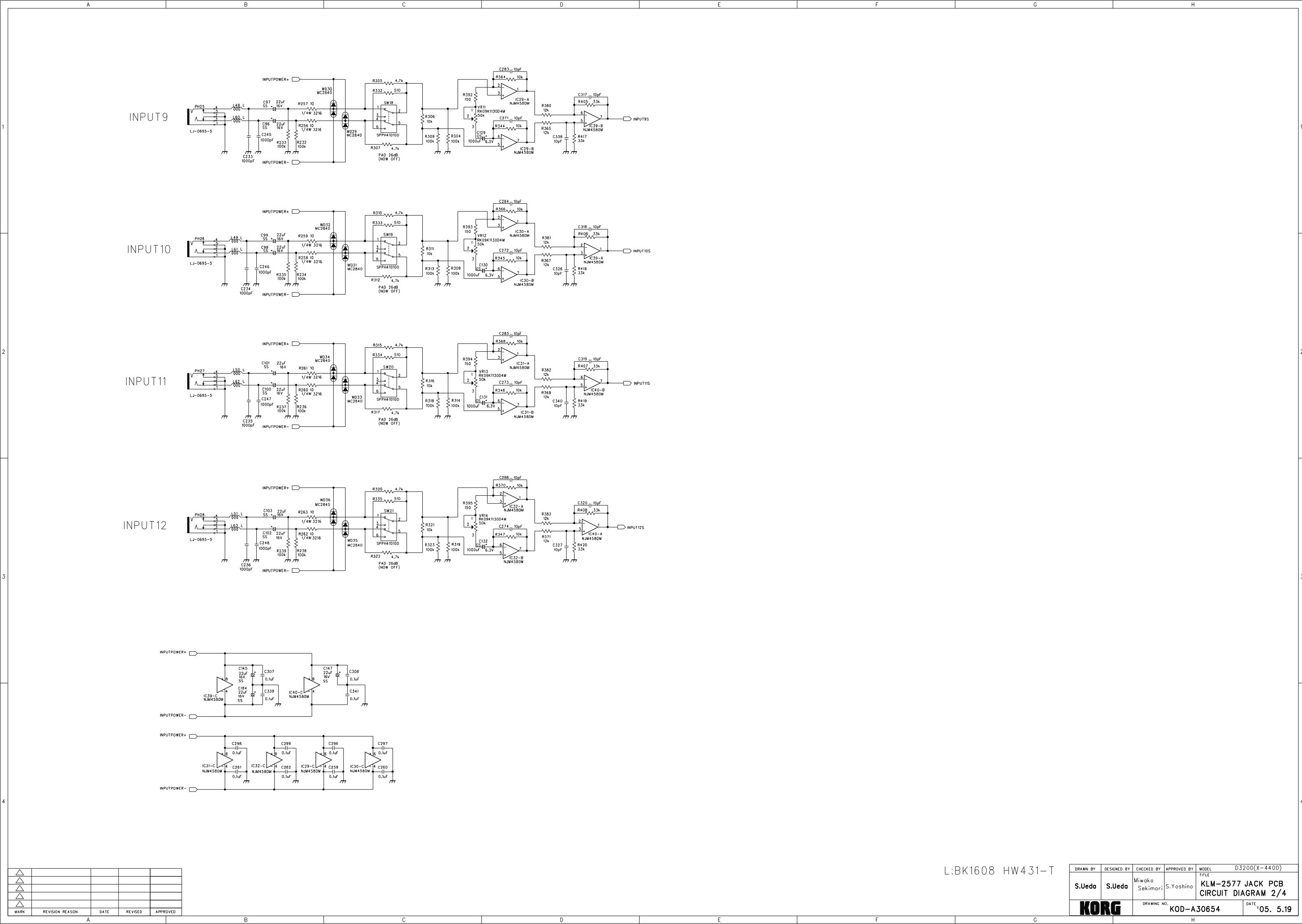


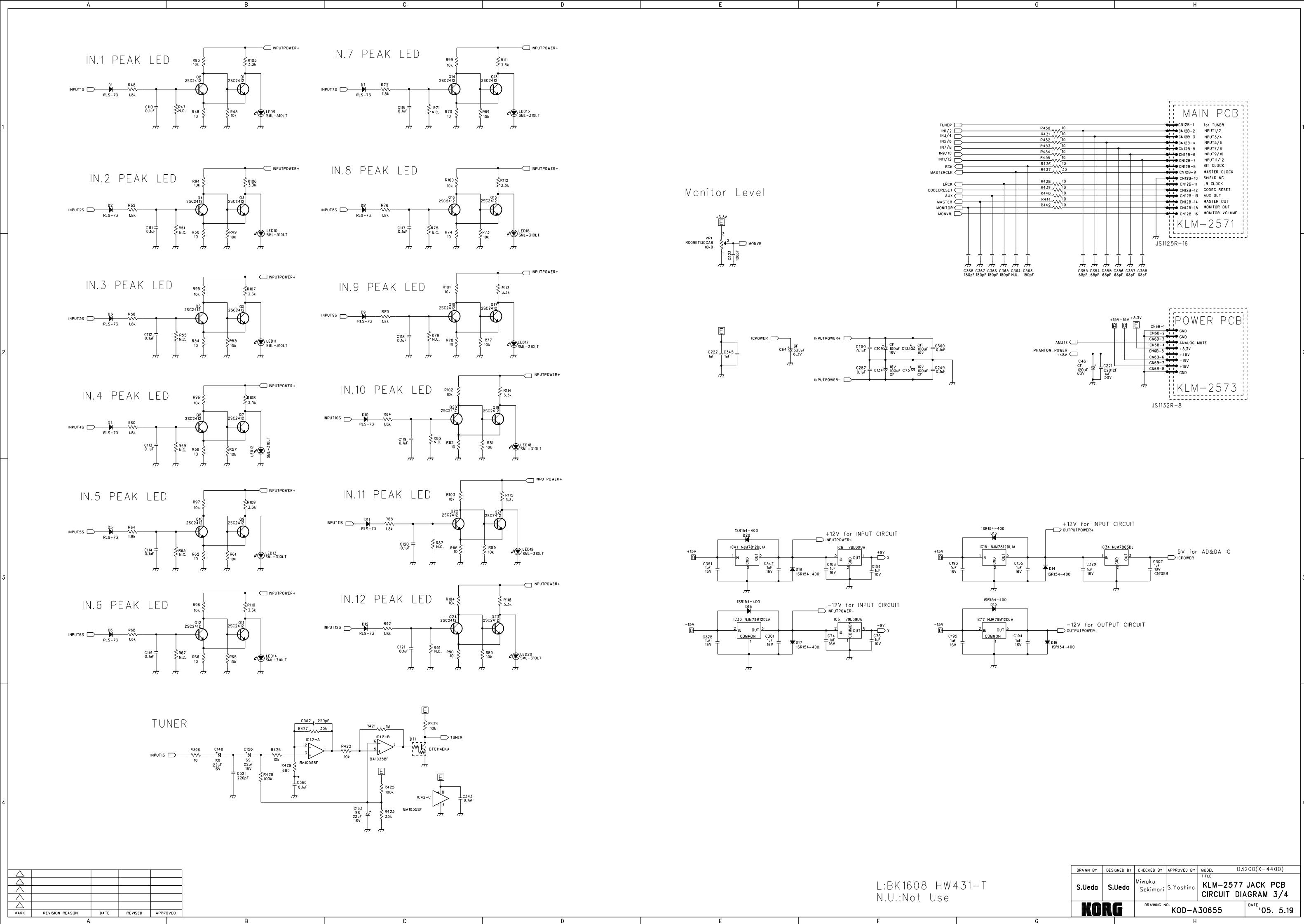




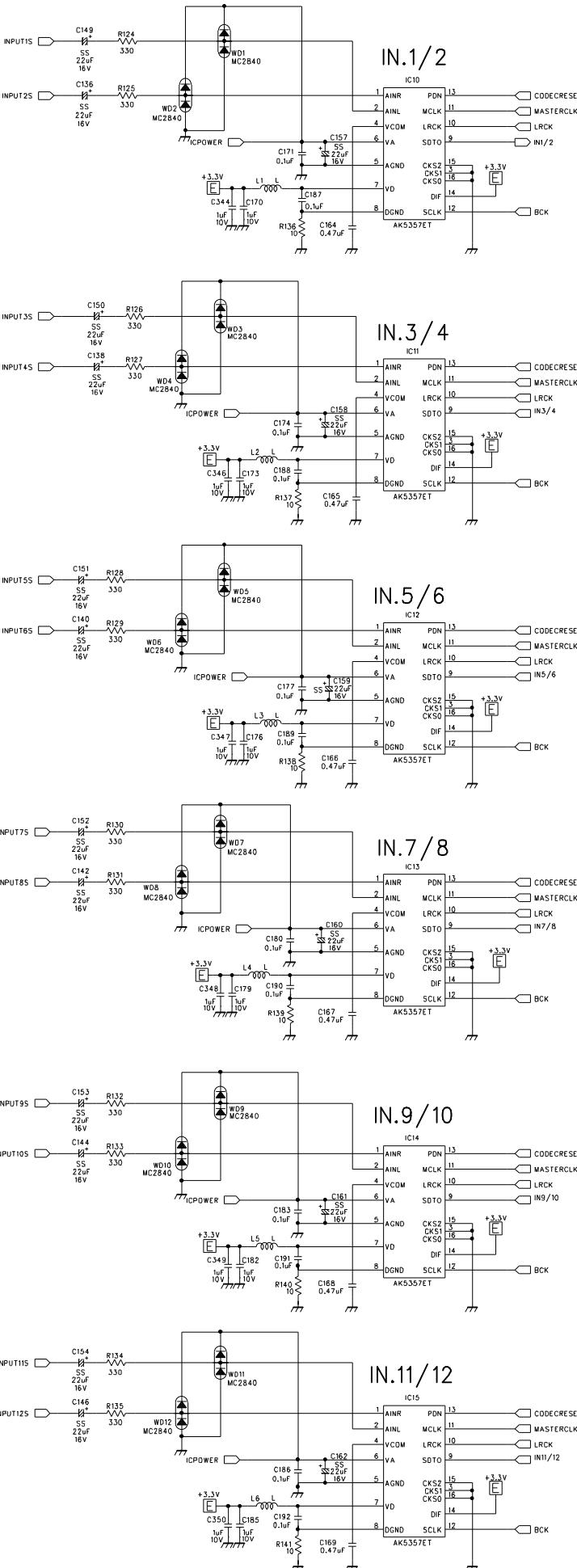




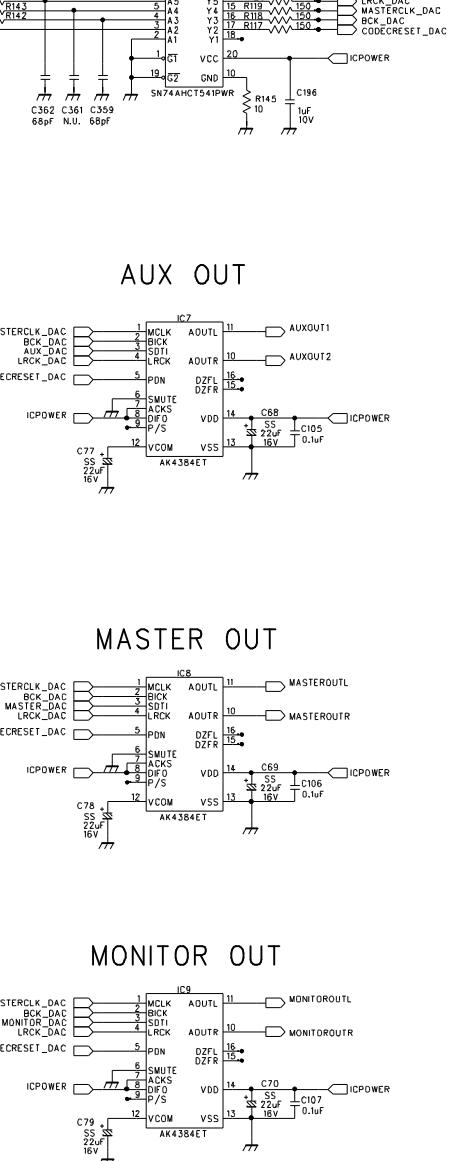




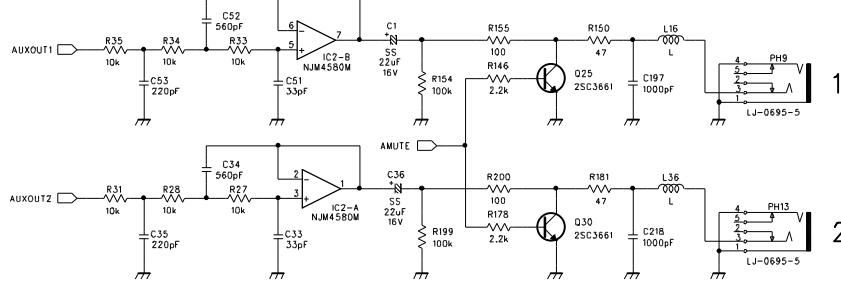
A/D PART



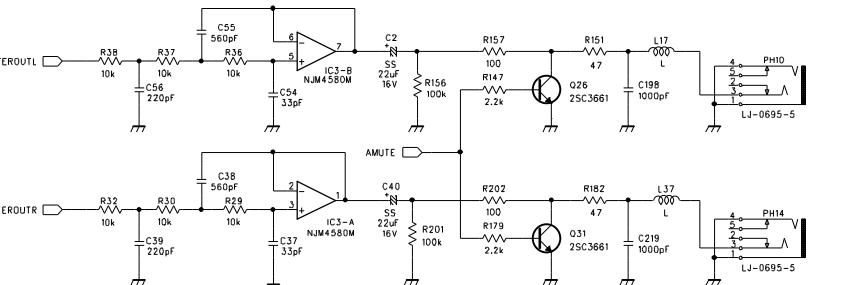
D/A PART



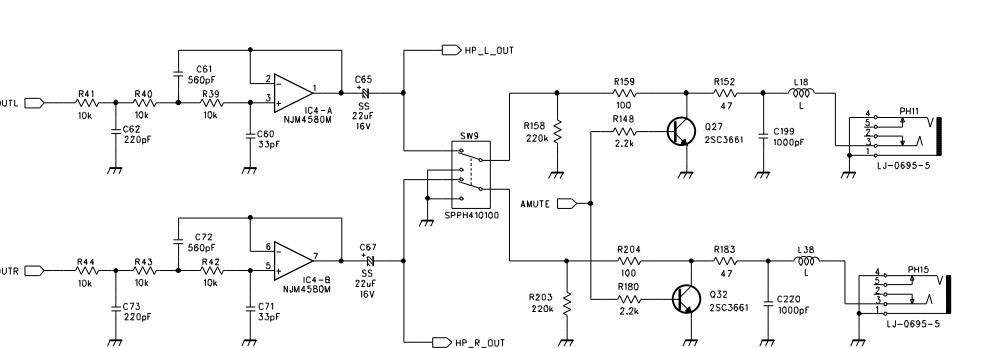
AUX OUT



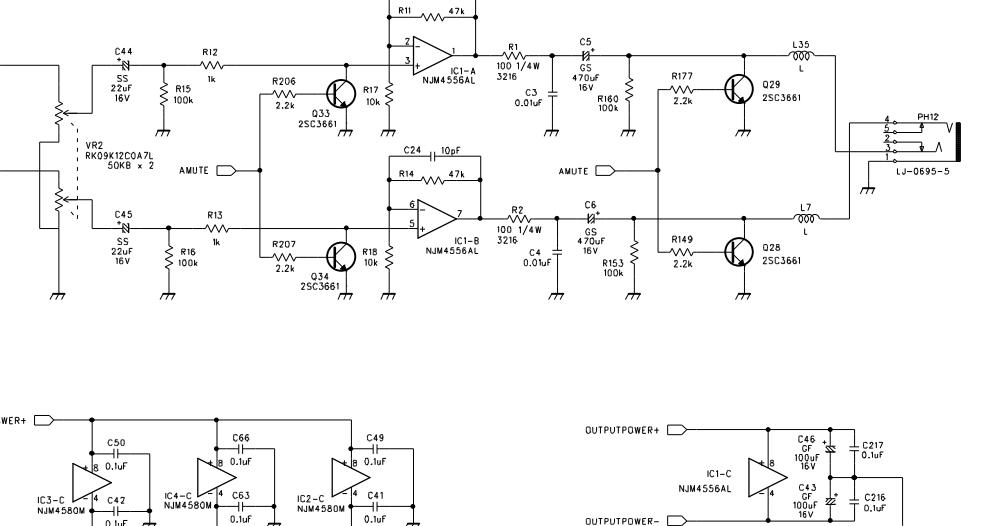
MASTER OUT



MONITOR OUT



HEADPHONE OUT

L:BK1608 HW431-T
N.U.:Not Use

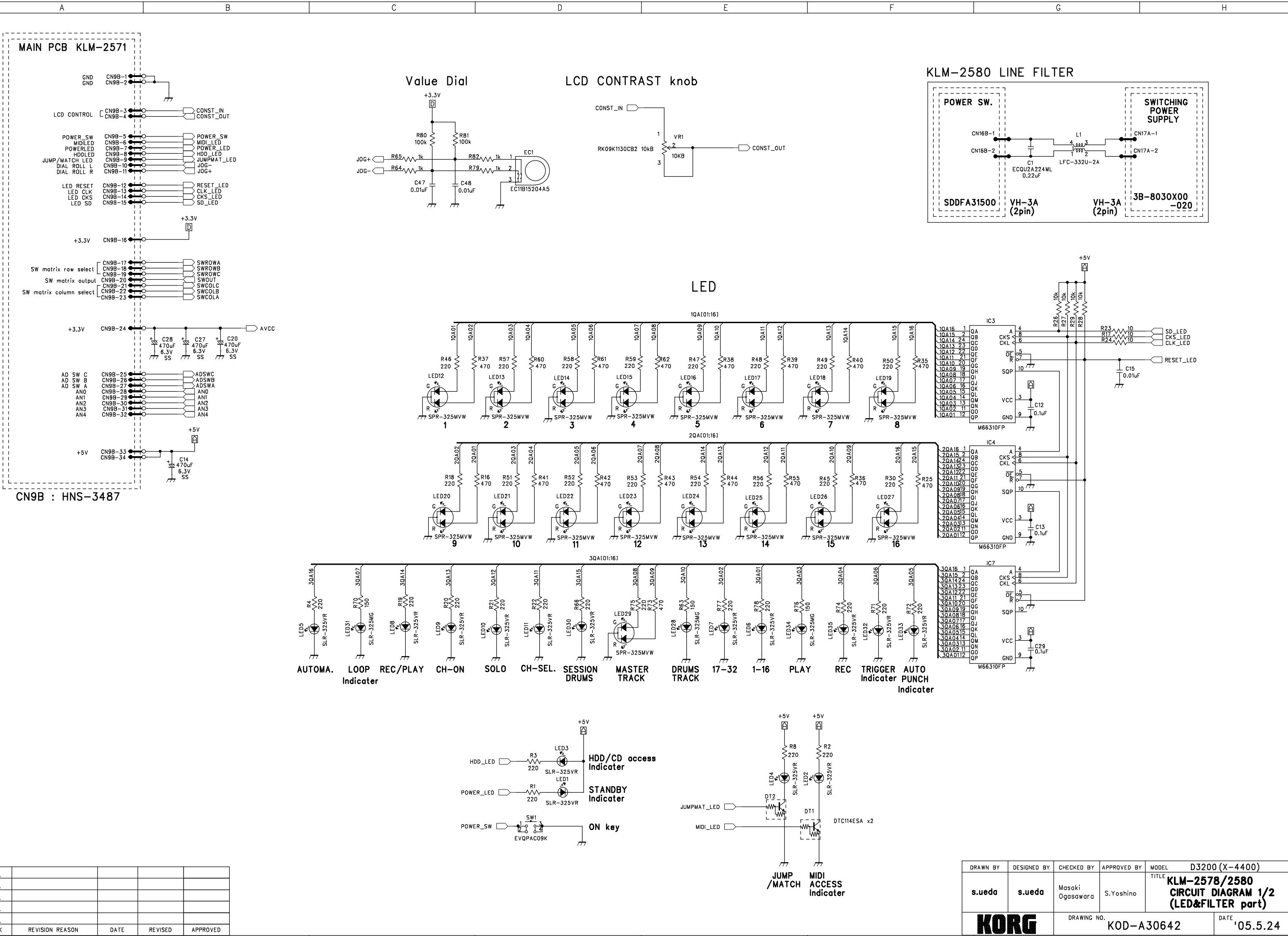
DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY	MODEL
S.Ueda	S.Ueda	Miwako Sekimori	S.Yoshino	D3200(X-4400)
				KLM-2577 JACK PCB
				CIRCUIT DIAGRAM 4/4

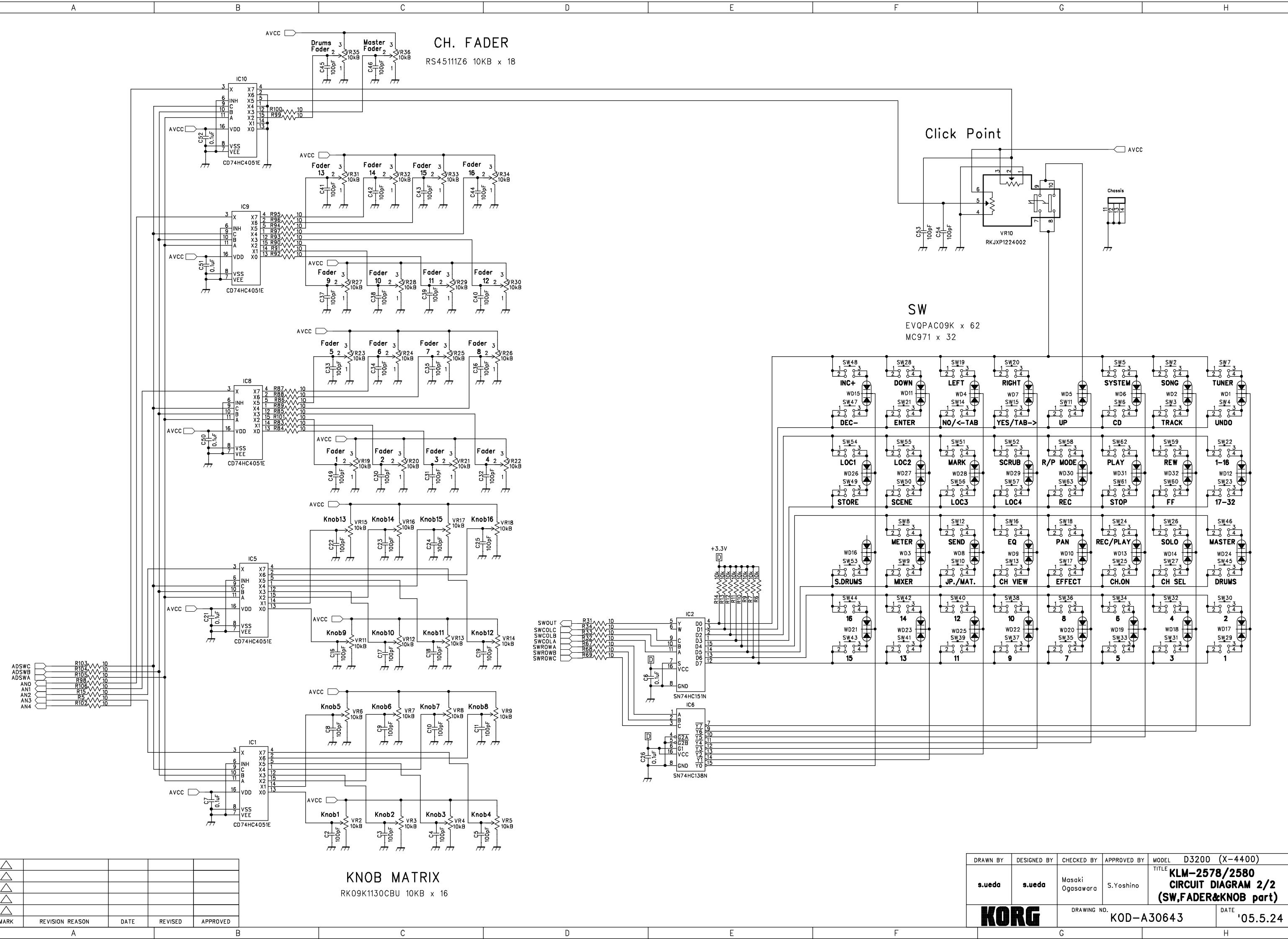
KORG

KOD-A30656

DATE '05. 5.19

MARK	REVISION REASON	DATE	REVISED	APPROVED
A		B		C





Korg D3200 Start-Up Options

Start-Up Options.

There are a number of useful functions that can be performed by holding down certain buttons while powering up the D3200. These are listed below.

- | | |
|-------------------------|---|
| 1) [FF(▶)] + [PLAY(▶)] | Full Diagnostic Test |
| 2) [REC(●)] + [SCENE] | External Diagnostic Test |
| 3) [PAN] + [LOC 4] | Forced HDD Initialize - Erases HDD data |
| 4) [PAN] + [LOC 3] | System Recovery & HDD Test - Erases all data on HDD
<i>(Requires System Recovery CD)</i> |
| 5) [PAN] + [LOC 2] | System Recovery - Preserves non-system data on HDD
<i>(Requires System Recovery CD)</i> |
| 6) [REW(◀)] + [STOP(■)] | HDD Format, System Update, Demo Song Load
<i>(Requires System Recovery CD + DEMOSONG.DBK file)</i> |

System Recovery CD

The D3200 stores important system information on its hard drive. The system recovery CD can be used to restore this system data to the hard drive if it has become corrupted or if a new hard drive has been installed.

A recovery CD can be created directly from a working D3200 by selecting “Save System” from the D3200’s [SYSTEM / MIDI] menu. See page 91 of the owner’s manual for more information.

An file containing the recovery data is also available in the D3200 section of KORG USA’s service website. The file is named *D3200_Recover.zip* and includes instructions for creating the CD, as well as instructions on how to use the D3200’s recovery functions.

DEMOSONG.DBK (Demo Song Load)

The *DEMOSONG.DBK* file required for Start-Up Option 6 is very large, and therefore not available for download. The HDD Format and System Update portions of this option can still be performed without this file.

The demo song (and/or any customer data) can be backed up and reloaded via the D3200’s normal backup function - located in the [SYSTEM / MIDI] menu. A CD that takes full advantage of Start-Up Option 6 can be created by naming the backup “*DEMOSONG.DBK*” and placing it on a CD along with the system recovery files.

Running the Full Diagnostic Tests

Requirements

You will need the following items in order to complete all the tests.

- One mono 1/4" patch cable.
- One MIDI cable.
- One optical digital audio cable (Toslink)
- A momentary footswitch. (Such as the Korg PS100 or PS1)
- An expression pedal. (Such as the Korg EXP2)
- An oscilloscope for monitoring the outputs.
- A signal generator.
- An audio test CD to test the CD drive's ability to playback audio.
** Any audio CD will work, but a CD containing stable sine waves on the left and right channels would be useful for seeing distortion and level problems. If no adequate test CD is available, you can create a basic test CD by downloading the "1khz_sine.wav" file from Korg USA's service web site and burning it to an audio CD.*

Setup

Setup the D3200 as follows.

- Connect the 1/4" mono patch cable between AUX Out 1 and Input 1.
- Turn all the input trim potentiometers all the way down.
- Connect a MIDI cable between MIDI In and MIDI Out.
- Plug the Footswitch and Expression pedals into their respective jacks on the back panel.
- Connect the oscilloscope probes to the main outputs.
- Do not connect the digital cable at this time.

Operating the Test Mode

The following key presses are used to navigate through the diagnostic tests.

- | | |
|-------------|---|
| ▪ [PLAY(▶)] | Proceed to the next step in the test. |
| ▪ [REC(●)] | Skip an error and proceed to the next step. |
| ▪ [FF(▶▶)] | Proceed to the next test. |
| ▪ [REW(◀◀)] | Return to the previous test. |

Starting and operating the Full Test

These instructions will walk you through running the full test. The full test consists of a number of Internal tests, followed by the External Tests listed in the next section.

- 1) Start the diagnostic test by holding down [FF(▶)] + [PLAY(▶)] while powering on the D3200.

The D3200 will perform some internal tests and then stop at the S/PDIF test.
If the test stops with a tuner error, check the patch cable between Aux 1 and Input 1.
Also make sure the input trims are turned down. If the error continues, check the associated circuitry.

- 2) As indicated on the screen, plug one end of the Toslink optical cable into the S/PDIF optical input and the other end of the cable into the S/PDIF optical output.

TEST09: FS
STEP01: Please Connect S/PDIF Cable. (Out->In)

The unit will pause for a short time while it tests the optical connection. If there is an error, please check the cables and associated circuitry.

- 3) When the S/PDIF test completes, the unit will move onto the USB test. This test will fail.

The USB test requires a special tool and cannot be tested in the field. If you need to test the USB feature please do so outside of the test mode. You can do this by connecting the D3200 to computer and using the “USB Mode” function located in the PC File tab of the SYSTEM/MIDI menu.

TEST10: USB
STEP01: Wait a moment



TEST10: USB
STEP01: NG

- 4) Press [REC(●)] to skip the USB error. This will start the External Test mode.

Remove the audio cable connected between Aux Out 1 and Input 1.
Remove the cable connected between the MIDI input and output.
Leave the S/PDIF cable connected.

- 5) Continue on to the External Tests by following the instructions on the next page.

Running the External Diagnostic Test

The External Test can be performed as part of the Full Test, or can be initiated separately by holding [REC] + [SCENE] while powering up.

TEST01: Drive List

STEP01: Drive List

HDD: 037GB

CD: 0

Ver.1.0.1 + Boot1.05

1) Test the Inputs, Trim Pots, and Pad Switches.

Setup each input with the trim pot turned down to a minimum and the pad switch set to off (not pressed in).

While monitoring the main outputs with an oscilloscope, check the guitar input with a -10dB 1kHz sine wave. This input level should cause the clip LED to light but still give an undistorted signal. (dB values are referenced to 0db = 0.775v)

Push the pad button in and turn the trim pot up to its full value. Make sure the signal level on the scope changes smoothly as you turn the trim pot.

Bring the Trim pot back down to just below clipping. This should be around three o'clock on the Trim pot.

Repeat the above test for each channel.

2) Press [PLAY(▶)] - The output should mute.

TEST02: Mute

STEP01: Mute On

3) Press [PLAY(▶)] - The output will come back on.

TEST02: Mute

STEP01: Mute Off

- 4) Press [PLAY(▶)] - To start the S/PDIF Loop test .

TEST03: S/PDIF
STEP01: S/PDIF DOUT/DIN

Connect an optical cable between the S/PDIF input and output.
Plug the input signal into channel 8 and adjust the trim for an undistorted output signal.

- 5) Test the Aux and Monitor Outputs.

Connect the scope to Aux Outputs and check that you have a clean signal at roughly the same output level as the Master Outs.

Connect the scope to Monitor Outputs and check that you have a clean signal at roughly the same output level as the Master and Aux Outs. Also check that the Monitor Mute switch mutes the Monitor Output.

Leave the Monitor Mute switch in the un-muted position for the rest of the tests.

* During this test there will be no signal out of the Aux or Monitor Outs when the optical cable is not connected.

- 6) Press [PLAY(▶)] - To start the CD test .

Insert an audio test CD as described in the “requirements” section of this document.

TEST04: CD
STEP01: Stop

Press [PLAY(▶)] - The left channel of CD track 1 will be output to the left monitor output.

TEST04: CD
STEP02: Play L

Press [PLAY(▶)] - The right channel of CD track 1 will be output to the right monitor output.

TEST04: CD
STEP03: Play R

Press [PLAY(▶)] - Both channels of CD track 1 will be output to the monitor outputs.

TEST04: CD
STEP04: Play Both

7) Press [PLAY(▶)] - To start the LED test.

TEST05: Switch/LED
STEP01: LED ON

The first step of this test will turn on the LEDs on the front panel. Please note that not all switches have LEDs below them. The following LEDs should be lit.

- All track select button LEDs, including DRUMS and MASTER select.
- The five round buttons above the track select buttons.
(1-16, 17-32, REC/PLAY, CH ON, SOLO, CH SELECT)
- The JUMP/MATCH, SESSION DRUMS, PLAY, and REC buttons.
- The LEDs for AUTOMATION, LOOP, TRIGGER, and AUTO PUNCH.

8) Press [PLAY(▶)] - To start the Switch test.

TEST05: Switch/LED
STEP02: METER

Test all the switches as indicated on the screen, starting with the METER switch. As each switch is pressed the next switch will be indicated on the display.

- * The REC/PLAY MODE switch requires 3 presses to test the 3 possible LED states.
- ** After pressing the [REC] switch, the screen will go dark. This is the start of the LCD test.

9) Press [PLAY(▶)] - The screen will change from dark to light.

10) Press [PLAY(▶)] - To start the Rotary Encoder Test.

TEST07: Rotary Encoder
STEP01: Right

Rotate the encoder wheel clockwise until a value of +30 is reached.
Press [PLAY(▶)] and repeat for the counter-clockwise direction.

11) Press [PLAY(▶)] - To start the A/D Test.

TEST08: A/D
STEP01:
(Graphical representation of digital controls)

One at a time, move all the front panel controllers up to max and then down to minimum. If a control is already at it's max, turn it down first. Then turn it up and back down. Watch the display to make sure the values change smoothly from 0 - 127. A successful test of a controller will result in that controller's label being highlighted.

12) Press [PLAY(▶)] - To start the Joystick Test.

TEST09: Joystick
STEP01:

Move the Joystick Up/Down and then Left/Right. Check that the values go from 0-127, and return to a middle value of around 64.

Press the middle of the Joystick down to test the button. Check that the “Click” parameter jumps from 0 to 127 and back.

13) Press [PLAY(▶)] - To complete the test

TEST10: Exit

Restart = SONG SW
Power Off = UNDO SW

Eject the test CD and Press the [SONG] switch to restart the unit in normal mode.

14) Perform listening tests by playing back the demo song.

15) Check the headphone jack.

16) Check that phantom power is working

17) Check USB operation using a computer.

Connect the unit to a computer using a standard USB cable. Press the [SYSTEM/MIDI] button on the D3200.

Select the PC File tab using the joystick.

Select the PC File tab using the joystick.
Select the on screen “USB Mode” button

Select the on screen "USB Mode" button using the joystick. Your computer should recognize and install the D3200

Once installed, you will be able to see the D3200 as a drive on your computer. You can move, copy, or delete files just like on a regular drive.

Stop the USB device on your computer and then select “EXIT” from the D3200 screen

Stop the USB device on your computer and then select "EXIT" from the DS200 screen.

* For more information on using the D3200 via USB please download the owner's manual from www.korg.com

PART CODE	PART NAME	NOTE	Q'TY
500304020230	TR 2SC3661-TB-E (S)	KLM2577-D3200	10
500304050140	TR DTC114EKA T146 (TS) (S)	KLM2573/4/6-D3200	6
500304050140	TR DTC114EKA T146 (TS) (S)	KLM2577-D3200	1
500304050150	TR DIGITAL DTA114EKA T146 (S)	KLM2573/4/6-D3200	2
500304050220	TR DTC114ESA TP (S)	KLM2578/79/80/81-D3200	2
500304050310	TR 2SA1037AKT146R	KLM2573/4/6-D3200	1
500304050330	FET IRFR5305TR(TS)	KLM2573/4/6-D3200	6
500304050390	2SC2412KT146 (S)	KLM2577-D3200	24
500304060140	TR 2SK170-GR (D)	KLM2577-D3200	1
500314001400	DIODE RLS-73 TE-11 (S)	KLM2577-D3200	12
500314001800	DIODE 1SS355 TE17 (S)	KLM2573/4/6-D3200	1
500314030600	DIODE 1SR154-400 TE25 (PMDS)	KLM2573/4/6-D3200	11
500314030600	DIODE 1SR154-400 TE25 (PMDS)	KLM2577-D3200	8
500314031000	LED SLR-325MG-T31-L/M/N/P(TR)	KLM2578/79/80/81-D3200	3
500314032000	LED SLR-325VR-T31-K/L/M/N(TR)	KLM2578/79/80/81-D3200	15
500314032700	DIODE RB160L-60TE25(TS)	KLM2573/4/6-D3200	2
500314034900	CHIP LED SML-310LT T86 (RED)	KLM2577-D3200	20
500315000900	DOUBLE DIODE MC971-T112(TR)	KLM2578/79/80/81-D3200	32
500315001200	DIODE DAN217 T146	KLM2577-D3200	16
500320005022	IC LC89056W-E SQFP48	KLM2571-D3200	1
500320009108	IC NJM4556AL-#ZZZB	KLM2577-D3200	1
500320011151	IC M66310P (DIP24)	KLM2578/79/80/81-D3200	3
500320011226	IC M66273AFP RB0T (S)	KLM2571-D3200	1
500320012293	IC MB87J8140PFVS-G-BND(S)	KLM2571-D3200	1
500324003018	IC TC4W53F(TE12L)(TS)SOP8	KLM2577-D3200	2
500324007001	IC BA10324AF-E2	KLM2573/4/6-D3200	1
500324007002	IC BA-10358F-E2 (S)	KLM2577-D3200	1
500324009012	IC NJM78L09UA-TE1-#ZZZB(TS)	KLM2577-D3200	1
500324009039	IC NJM4580M (SOP) (S)	KLM2577-D3200	21
500324009041	IC NJM79L09UA-TE1-#ZZZB	KLM2577-D3200	1
500324009045	IC NJM7805DLA/1A-TE1-#ZZZB(TS)	KLM2577-D3200	1
500324009052	IC NJM79M12DL1A-TE1 (TS) (S)	KLM2577-D3200	2
500324009063	IC NJM2374AM-TE2-#ZZZB(TS)SOP8	KLM2573/4/6-D3200	2
500324009065	IC NJM7812DL1A-TE1-#ZZZB(TS)	KLM2577-D3200	2
500324011042	IC M51957BFP#CF 1J (S)	KLM2571-D3200	1
500324021023	IC SN74HCU04APWR SSOP14 (S)	KLM2571-D3200	1
500324021026	IC SN74AHCT541PWR(TS)SSOP20	KLM2573/4/6-D3200	1
500324021101	IC SN74LV04APWR SPO14 (S)	KLM2571-D3200	1
500324021106	IC SN74LV139APWR (S)	KLM2571-D3200	1
500324021110	IC SN74LV574APWR (S)	KLM2571-D3200	1
500324021113	IC SN74LV4040APWR (S)	KLM2571-D3200	1
500324021114	IC SN74LV05APWR (S)	KLM2573/4/6-D3200	1
500324021115	IC SN74LV00APWR	KLM2571-D3200	1
500324021119	IC SN74LV4051APWR(TS)	KLM2573/4/6-D3200	1
500324021121	IC SN74LV541APWR	KLM2571-D3200	1
500324021128	IC SN74LV123APWR(TS)	KLM2571-D3200	1
500324021128	IC SN74LV123APWR(TS)	KLM2573/4/6-D3200	1
500324021174	IC SN74LVC1G08DCKR DCK6	KLM2571-D3200	1
500324026004	MT48LC8M16A2TG-75TR(TS)128M SD	KLM2571-D3200	1
500330002900	OPTICAL MODULE TOTX141(F)	KLM2573/4/6-D3200	1
500330003000	OPTICAL MODULE TORX141(F)	KLM2573/4/6-D3200	1
500334001700	PHOTO COUPLOR PS9714 M-RANK(S)	KLM2573/4/6-D3200	1
500335010600	CRYSTAL SMD HC-49US 8.00MHZ (S)	KLM2571-D3200	1

PART CODE	PART NAME	NOTE	Q'TY
500335012200	CRYSTAL HC-49US 22.5792MHZ SS	KLM2571-D3200	1
500335012700	CRYSTAL HC-49US 24.000MHZ SS	KLM2571-D3200	1
500335012900	CRYSTAL HC-49US 24.576MHZ SS	KLM2571-D3200	1
500362009016	VR RK09K1130CA6 10KB(F2067613M)	KLM2577-D3200	1
500362009025	VR RK09K1130CBU 10KB(F2062298M)	KLM2578/79/80/81-D3200	16
500362009048	VR RK09K1130CB2 10KB(F2062336M)	KLM2578/79/80/81-D3200	1
500370005000	ROTARY ENCODER EC11B15204A5(D)	KLM2578/79/80/81-D3200	1
500375016000	PUSH SWITCH SPPH410100	KLM2577-D3200	21
500402007700	LFC-332U-2A	KLM2578/79/80/81-D3200	1
500454012709	DIN JACK 5P DS-05-02(W/OUT SW)	KLM2573/4/6-D3200	2
500454012724	PHONE JACK LJ-0695 (P:9MM)	KLM2577-D3200	20
500471070300	CONNECTORJS-1125-3(B3B-PH-K-S)	KLM2571-D3200	1
500474036000	XLR JACK LX-1602-3	KLM2577-D3200	8
500540020200	AC SOCKET SS-7B (D)	D3200	1
500600005700	POWER SUPPLY CORD UC-953-J01	D3200 120US-UF	1
500620024600	X-952 PSW KNOB E40304-2	D3200	1
500620034700	X-610 ENCODER KNOB E40466-2	D3200	1
500646071100	X-610 ENCODER FRAME E40467-2	D3200	1
510300511023	TR 2SC5103TL	KLM2573/4/6-D3200	1
510312512009	LED SPR-325MVWT31	KLM2578/79/80/81-D3200	17
510313006400	LCD FGE#EMTG320240A-04	D3200	1
510320004689	IC HD6417709SF133BV	KLM2571-D3200	1
510320004698	FET 2SK2788VYTR(TS)	KLM2573/4/6-D3200	1
510320012341	IC MBM29LV004TC-90TN:S	KLM2571-D3200	1
510320511022	IC NJM2386DL2-33-TE1-#ZZZB	KLM2573/4/6-D3200	1
510320511023	IC NJM2387DL2-TE1-#ZZZB	KLM2573/4/6-D3200	2
510320511024	IC NJM2885DL1-33-TE1-#ZZZB	KLM2573/4/6-D3200	1
510320514020	IC BR24L02FJ-WE2 12C-BUS 2KB	KLM2571-D3200	1
510320516039	IC SN74LVC1G32DCKR DCK5	KLM2571-D3200	1
510320516040	IC SN74LVC2G14DCKR DCK6	KLM2571-D3200	1
510320516040	IC SN74LVC2G14DCKR DCK6	KLM2573/4/6-D3200	1
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510320516045	IC SN74HCOOPWR	KLM2571-D3200	1
510320516048	IC SN74AHCT541PWR(TS)SSOP20	KLM2577-D3200	1
510320516051	IC CD74HC4051AE DIP16	KLM2578/79/80/81-D3200	5
510320516052	IC SN74HC138N	KLM2578/79/80/81-D3200	1
510320516053	IC SN74HC151N	KLM2578/79/80/81-D3200	1
510320519502	IC LT1085CM	KLM2573/4/6-D3200	1
510324026007	IC MC68H908QY1CDTE	KLM2571-D3200	1
510324026008	IC MT48LC4M16A2P-75	KLM2571-D3200	1
510324026009	IC CY7C68300A-56PVC	KLM2571-D3200	1
510324038010	IC AK4384ET TSSOP16	KLM2577-D3200	3
510324038011	IC AK5357ET TSSOP16	KLM2577-D3200	6
510335510004	SSL400000E18F5FZ80A4.00MHZ	KLM2571-D3200	1
510335510005	SSM1228800E18F5FZ80A12.288MHZ	KLM2571-D3200	1
510340501001	KLM2571 PCB 153X136MM 4LAYERS-GLASS FR-4	KLM2571-D3200	1
510340501002	KLM-2573/4/6 246X169MM DOUBLE-SIDE CEM-3	KLM2573/4/6-D3200	1
510340501003	PCB KLM-2577 2LAYER GLASS 320X166MM FR-4	KLM2577-D3200	1
510340501004	PCB KLM-2578,80,81 1LAYERBAKELITE498X290	KLM2578/79/80/81-D3200	1
510345520501	MC-306 32.768KHZ CL=15PF 50PPM	KLM2571-D3200	1
510360520010	VR RK09K1130D4M 50K	KLM2577-D3200	12
510360520012	VR RK09K12C0A7L 50KB X 2	KLM2577-D3200	1
510360520015	VR RS45111Z6A02 10KB(F2062395M)	KLM2578/79/80/81-D3200	18

PART CODE	PART NAME	NOTE	Q'TY
510360520016	STICK CONTROLLER RKJXP1224002	KLM2578/79/80/81-D3200	1
510374510504	SW ECQU2A224ML	KLM2578/79/80/81-D3200	1
510374520019	POWER SWITCH PSW SDDFA31500	D3200	1
510374524502	CARBON FILM ECQB1H223JF3:TR	KLM2577-D3200	1
510374525001	TACT SWITCH EVQPAC09K 9.5MM (D)	KLM2578/79/80/81-D3200	63
510402511505	SOLID INDUCTOR BK1608HS102-T	KLM2571-D3200	6
510402511505	SOLID INDUCTOR BK1608HS102-T	KLM2573/4/6-D3200	9
510402511506	SOLID INDUCTOR BK1608HW431-T	KLM2573/4/6-D3200	7
510402511506	SOLID INDUCTOR BK1608HW431-T	KLM2577-D3200	63
510402511509	SOLID INDUCTOR FBMH1608HM102-T	KLM2571-D3200	2
510402511509	SOLID INDUCTOR FBMH1608HM102-T	KLM2573/4/6-D3200	1
510402511511	SOLID INDUCTOR FBMH1608HM601-T	KLM2571-D3200	1
510402521502	INDUCTOR LEMC3225T470K	KLM2573/4/6-D3200	1
510402521503	FBMH1608HM600-T	KLM2573/4/6-D3200	4
510402522501	CDRH4D28NP-101NC	KLM2573/4/6-D3200	1
510402522502	CDRH105RNP-101NC	KLM2573/4/6-D3200	1
510405540021	SW POWER PCB 3B-8030X00-020	D3200	1
510430500501	HARD DISK DRIVER SP0411N	D3200	1
510430501001	CD-W552G-B10	D3200	1
510450523016	PLASTIC BUSH TW-1	D3200	4
510470521551	HNS-3569 SW-GND	D3200	1
510474520045	CONNECTOR JS1125-16	KLM2571-D3200	1
510474520047	HARNESS HNS-3223 SW-INLET	D3200	1
510474520048	HARNESS HNS-3224 SW-FILTER	D3200	1
510474520049	CONNECTOR JS1125R-16	KLM2577-D3200	1
510474520050	HARNESS HNS-3480 JACK-MAIN	D3200	1
510474520051	HARNESS 250MM HNS-3487	KLM2578/79/80/81-D3200	1
510474520052	HARNESS HNS-3032 INIET-GND	D3200	1
510474520053	HARNESS HNS-3483 POWER-CD	D3200	1
510474520054	HARNESS HNS-3486 POWER-HDD	D3200	1
510474520055	HARNESS HNS-3484 FILTER	D3200	1
510474520056	HARNCSS HNS-3491 50PIN	D3200	2
510474520057	HARNESS HNS-3492 40PIN	D3200	1
510474520058	HARNESS HNS-3494 40PIN	D3200	1
510474520059	CONNECTOR JS-1125-14	KLM2573/4/6-D3200	1
510474520060	CONNECTOR VH-6A	KLM2573/4/6-D3200	1
510474520061	CONNECTOR VH-3A(2PIN)	KLM2578/79/80/81-D3200	2
510474520062	HARNESS HNS-3481 JACK-POWER	D3200	1
510474520063	HARNESS HNS-3482 CD-MAIN	D3200	1
510474520064	HARNESS HNS-3479 POWER	D3200	1
510474520065	CONNECTOR JS1132R-8	KLM2577-D3200	1
510474521006	CONNECTOR 302AE34PGAS003	KLM2573/4/6-D3200	1
510474521007	CONNECTOR 2600SK-40G2-01	KLM2573/4/6-D3200	2
510474524020	HARNESS HNS-3485 BOARD-IN	KLM2573/4/6-D3200	1
510474525001	CONNECTOR FOR FFC 62684-40210	KLM2571-D3200	2
510474525001	CONNECTOR FOR FFC 62684-40210	KLM2573/4/6-D3200	2
510474525002	CONNECTOR FOR FFC 62684-50210	KLM2571-D3200	2
510474525002	CONNECTOR FOR FFC 62684-50210	KLM2573/4/6-D3200	2
510474525003	CONNOCTOR FOR FFC SFW18R-1STE1	KLM2573/4/6-D3200	1
510500036000	CASE LEG FF-017-A4	D3200	4
510525520002	DATA LINE FILTER NFT-25	D3200	1
510620049000	SLIDER KNOB S772-H-08-M(BK G)	D3200	17
510620049100	SLIDER KNOB S772-H-89-M(G W)	D3200	1

PART CODE	PART NAME	NOTE	Q'TY
510640502525	LCD SCREW KOC-C41390	D3200	2
510640505533	UPPER CASE KOC-C10248	D3200	1
510640505534	BOTTOM CASE KOC-C10249	D3200	1
510640505535	POWER SW SUPPORT KOC-C30666	D3200	1
510640505536	CD-HDD SUPPORT KOC-C30667	D3200	4
510640505537	JACK-PCB SUPPORT KOC-C30668	D3200	1
510640505538	LCD SUPPORT KOC-C30669	D3200	1
510640505539	LCD COVER KOC-C30670	D3200	1
510640505540	LCD SPRING KOC-C41389	D3200	1
510645500003	SIDE BOARD-L KOC-D30298-1	D3200	1
510645500004	SIDE BOARD-R KOC-D30298-2	D3200	1
510646504139	LCD CASE KOC-E10224	D3200	1
510646504140	OVAL BUTTON (4-KEY) KOC-E20257	D3200	9
510646504141	CIRCULAR BUTTON(4-KEY) E20258	D3200	3
510646504142	KEY BLOCK KOC-E20259	D3200	1
510646504143	KEY FRAME-1 KOC-E20260-1	D3200	1
510646504144	KEY FRAME-2 KOC-E20260-2	D3200	1
510646504145	LED REFLECTOR-4 KOC-E30380-4	D3200	5
510646504146	PUSH BUTTON KOC-E30382	D3200	21
510646504147	JS KNOB KOC-E30383	D3200	1
510646504148	DOUBLE INJECTION KNOB E30393	D3200	30
510646506013	LCD WINDOW KOC-E30381	D3200	1
550314X323001	DIODE MC2840-T112-1 (S)	KLM2573/4/6-D3200	3
550314X323001	DIODE MC2840-T112-1 (S)	KLM2577-D3200	22
550454X111001	PHONE JACK PJ-603 (D)	KLM2573/4/6-D3200	2
550471X254008	WAFER JS1132-08 (D)	KLM2573/4/6-D3200	1
550471X255004	WAFER JS1132-04 (D)	KLM2573/4/6-D3200	2
550474X283003	USB CONNECTOR B TYPE GE813A02	KLM2573/4/6-D3200	1