
OKI MICROLINE ML320/321

**TROUBLE SHOOTING MANUAL WITH
COMPONENTS PARTS LIST**

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TROUBLESHOOTING MANUAL



4. Outline

This troubleshooting flow chart is created for the purpose of repairing the ML320/321 printed circuit board assemblies. Those who are engaged in the repair work are expected to have an adequate level of experience and ability.

2. Tools

The following tools are required for ordinary repair work in addition to generally used tools.

Oscilloscope	Approximately 100 MHz
Soldering iron	Any soldering iron available on the market (preferably with a pointed tip) A special soldering iron set can be used to work more efficiently.

3. Troubleshooting Items

- ① One of the operating voltages is missing.
 - 1-1 There is no + 40V output
 - 1-2 There is no + 8V output
 - 1-3 There is no + 5V output
 - 1-4 There is no 1 OV AC output
 - 1-5 There is no output
- ② Only the power lamp is illuminated.
- ③ Printer alarm occurs,
 - 3-1 Internal CPU RAM error
 - 3-2 ROM error
 - (3 - 3) RAM error
 - 3-4 Serial interface error
 - (3-5 Spacing error
- ④ Printing wrong character or some characters are not printed.
- ⑤ Line feed malfunction

⑥ The printing operation is not performed after an operating switch is pressed.

6-1 The SELECT switch does not function.

6-2 The MODE switch does not function.

6-3 The LF switch does not function.

6-4 The FF switch does not function.

6-5 The PARK switch does not function.

(6 - 6) The TOF switch does not function.

6-7 The PRINT switch does not function.

(6 - 8) The CHARACTER switch does not function,

⑦ The data cannot be received.

7-1 The parallel interface data cannot be received.

7-2 The print data is missing or printing operation is not performed after the parallel interface data is received.

① One of the operating voltages is missing.

The connectors and parts mentioned in 1-1 to 1-3 are located on the power supply PC board (PAII or SUII).

1-1 There is no + 40V output. (But there is + 5V output.)

● Q1 emitter – The voltage between pins 4 and 5 of CN2 (OV) is 32V to 52 V?

Yes The waveform of pin 2 of IC2 is as shown in Figure 1?



Figure 1

● Yes Replace Q1 or Q2.

● No Replace IC2 or IC3. (for SUII-PCB)

● No AC voltage is supplied to pins 1 or 2, and 7 or 8 of CN1?

Yes Replace D1.

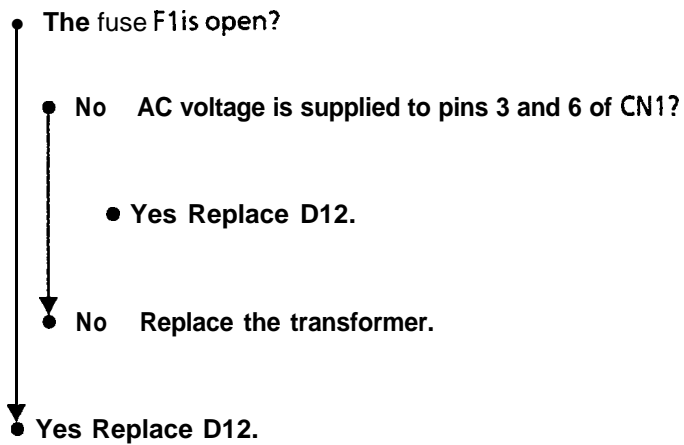
● No The fuse on the filter board is open?

Yes Go to step 1-5.

● No Replace the transformer.

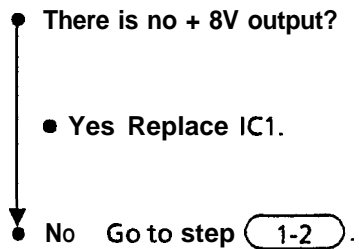
Note : The connectors and parts are located on the DC power supply board (PAII or SUII board).

There is no + 8V output.



Note: The connectors and parts are located on the DC power supply board (PAII or SUII board).

1-3 There is no + 5V output.

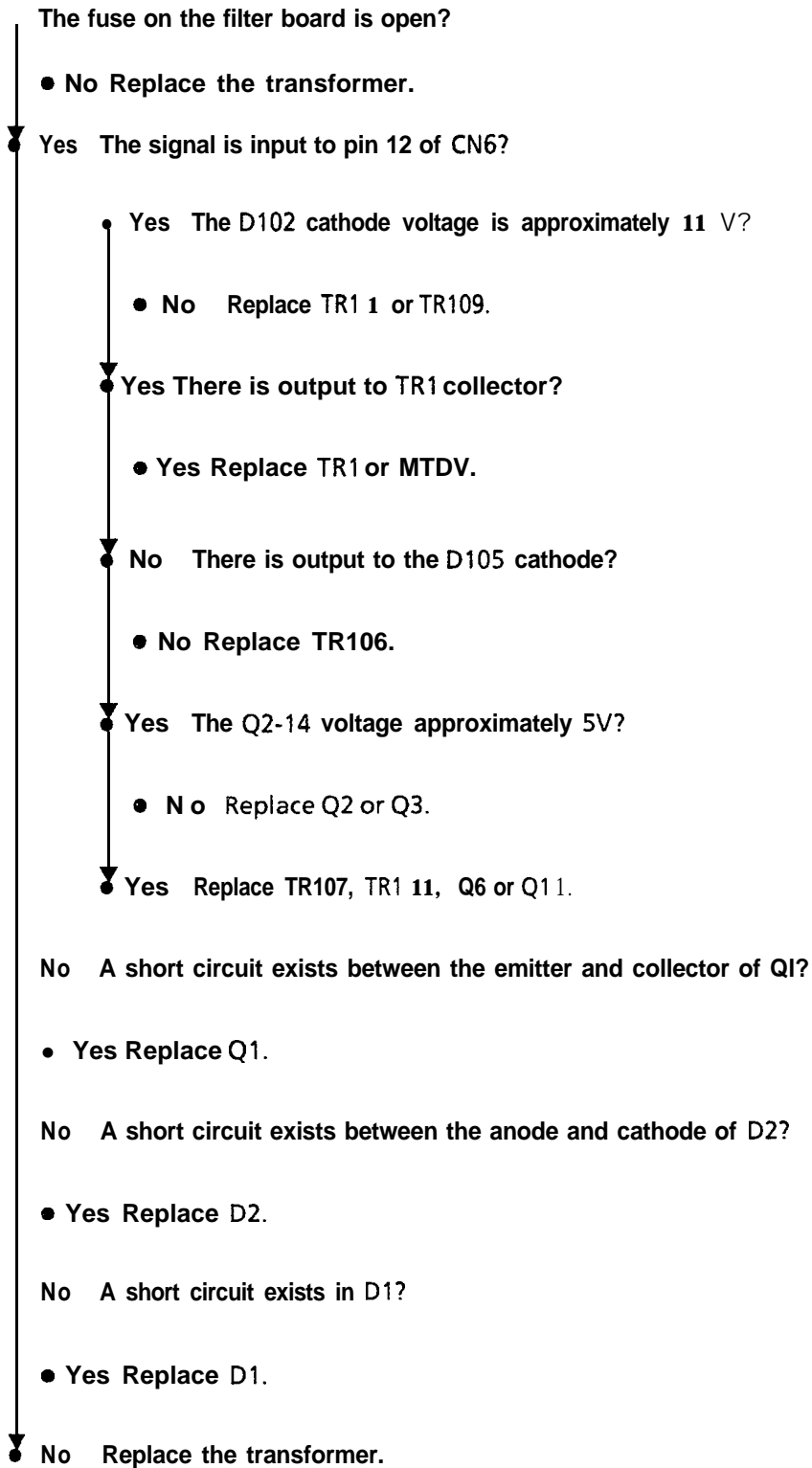


Note: The connectors and parts are located on the DC power supply board (PAII or SUII board).

The 1 OV AC is not output.

- Replace the transformer.

There is no output.



Note: Flowchart enclosed by the inner vertical line applies to control board (LXMC board). Others apply to the DC power supply board (PAII board).

② Only the power lamp is illuminated. (The printing operation is not performed at all.)

The oscillation waveform of OSC is the same as shown in Figure 2?

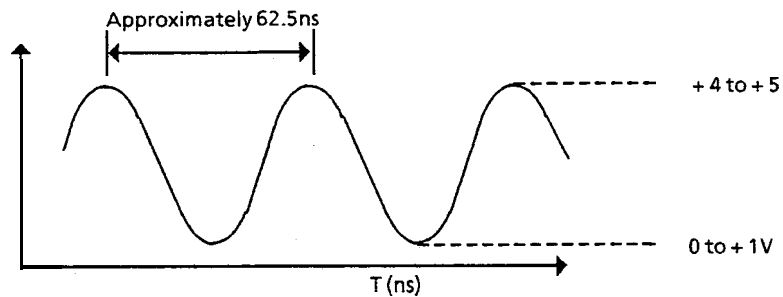


Figure 2

- No Replace the OSC.

• Yes The RST signal on pin 4 of Q7 is the same as shown in Figure 3?

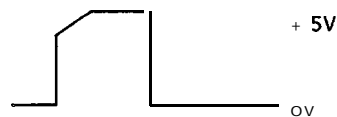


Figure 3

- No The input waveforms on pins 8 and 9 of Q6 are the same as shown in Figure 4?

- Yes Replace Q6.

- No Replace the elements of the input lines signals on pins 8 and 9 of Q6, or replace CN5.

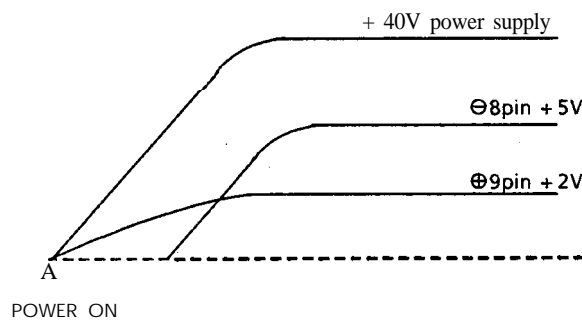


Figure 4

Ⓐ

Ⓐ

- Yes The ALE (pin 27), PSEN (pin 26), RD (pin 13), WR (pin 12) and BUS signals of Q7 are the same as shown in Figure 5?

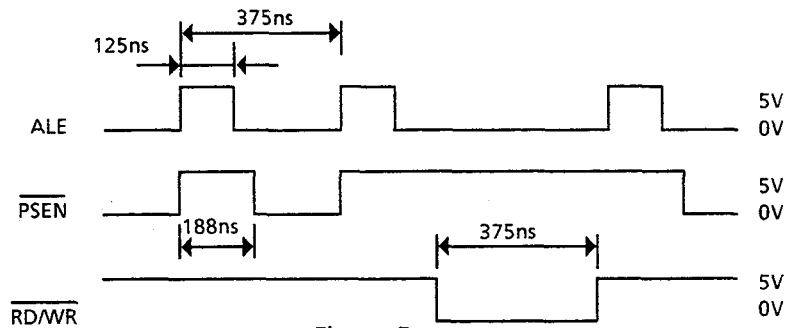


Figure 5

The signal level of the bus line should be stabilized to high or low level at the full of PSEN or at the rise of RD/WR.

- No Replace Q7.

- Yes The LAMP SD (pin 5) and LAMP SD CLK (pin 7) signals are the same as shown in Figure 6?

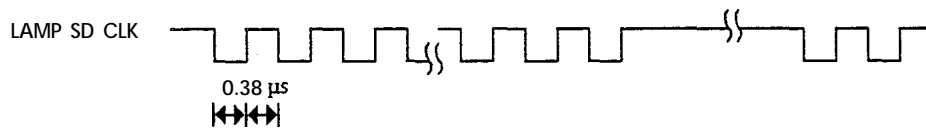


Figure 6

The signal level of LAMP SD should be stabilized to high or low level at the rise of SD CLK.

- No Replace Q7.

- Yes Replace CN1.

③ Printer alarm occurs.

3-1 Internal CPU RAM error

- Replace Q7.

P3-Q9 Program ROM error

- Replace Q13.

3-3 External RAM error

The \overline{RAS} (on pin 5), \overline{CAS} (on pin 16), \overline{OE} (on pin 1), \overline{WR} (on pin 4) of Q8 and Q9, and AD 0-7 and DRAM AO-7 are the same as shown in Figure 7?

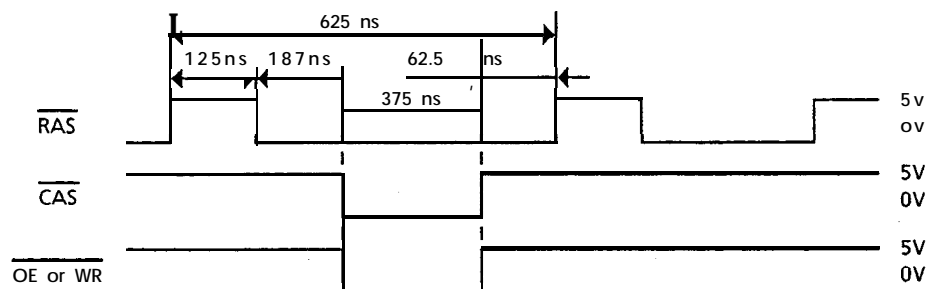


Figure 7

The signal levels of AD 0-7 and DRAM AO-7 should be stable at high or low level at the rise of \overline{OE} or \overline{WR} .

No The RAS is the same as shown in Figure 7?

- No Replace Q11.

Yes The CAS is the same as shown in Figure 7?

• No The output signal on pin 8 of Q5 is the same as shown in Figure 8?



Figure 8

• No Replace Q5. The output signal on pin 8 is now the same as shown in Figure 8?

- No Replace Q11.

• Yes Replace Q4.

• Yes Replace Q7.

• Yes Replace Q8 or Q9 (D-RAM).

3-4

Serial interface error

CN3 and the Serial interface board are properly connected?

- No Connect them properly.
- Yes Replace the Serial interface. The operation is now normal?
- No Replace Q11.

Spacing error

The waveforms of SPU (pin 61), SPV (pin 62) and SPW (pin 63) of Q1 1 are the same as shown in Figure 9?

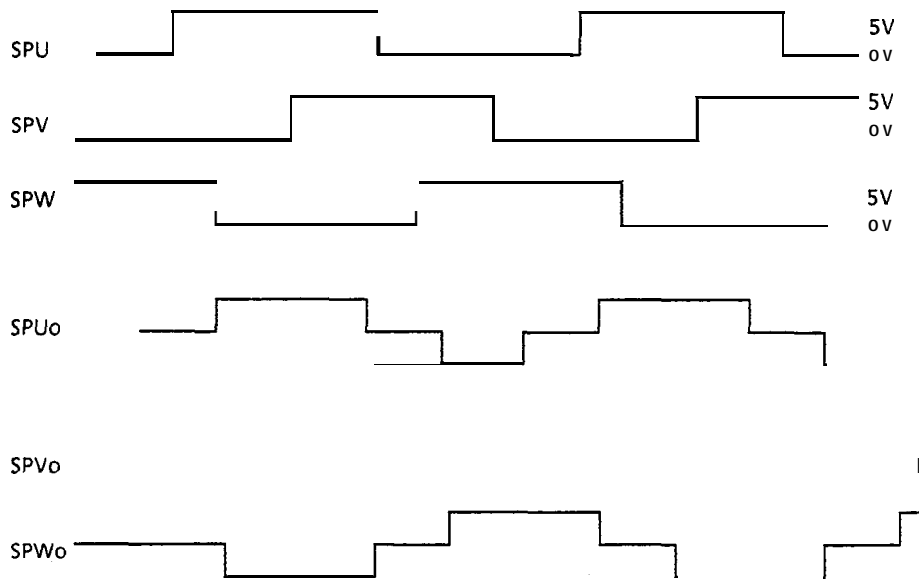


Figure 9

The cycle of SPDA should be 64µs and the rectangular wave should be output.

ⓑ

Ⓑ

No The input waveforms of PHASE A (pin 80) and PHASE B (pin 81) of Q11 are the same as shown in Figure 10? (Move the carriage manually if the operation is stopped.)

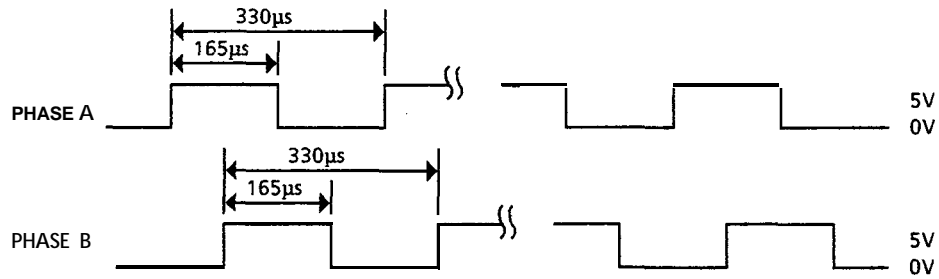


Figure 10

(The above diagram shows the timing during constant-speed operation.)

• No Replace the carriage unit or CN2.

• Yes Replace Q11.

• Yes The SPU_o, SPV_o, SPW_o outputs of MTDV are the same as shown in Figure 97

• No The rectangular wave is input to the base of Tr15?

• No Replace the MTDV.

• Yes The supply voltage is output to the collector of Tr1?

• No Replace Tr1.

• Yes The supply voltage is supplied to pin 1 of the MTDV?

• No Replace L1.

• Yes Replace the MTDV.

• Yes Replace the carriage unit or CN2.

④ Printing wrong character or some characters are not printed.

• The $\overline{\text{HEAD ON}}$ signal (on pin 82) of Q1 1 is the same as shown in Figure 1 1?

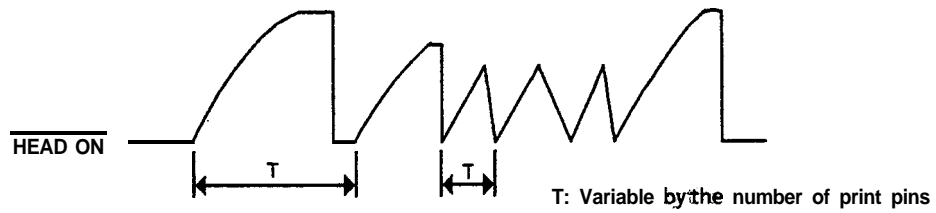


Figure 11

- No Replace Q11 when the $\overline{\text{HEAD ON}}$ signal is stable at high level.
Replace Q11, C13, or Q6 when the $\overline{\text{HEAD ON}}$ signal is stable at low level.

• Yes The output signals on pins 1 and 2 of the comparator Q6 are the same as shown in Figure 12?

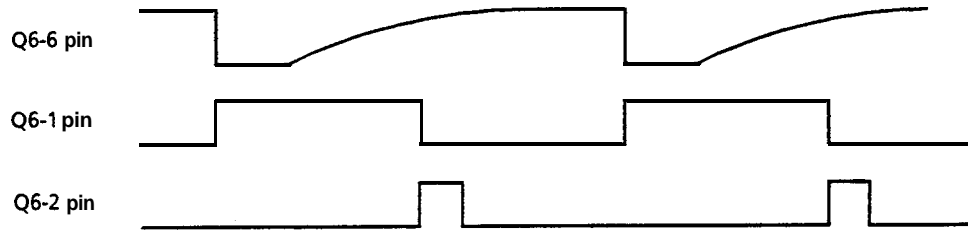


Figure 12

- No Replace Q6 or elements of the input circuit.

Yes TR5, TR17 or TR107 comes on only when the output signals on pins 1 and 2 of the comparator Q6 are at high level?

- No Replace the malfunctioning transistor (TR5, TR17, or TR107).

• Yes The $\overline{\text{HEAD 1}}$ to $\overline{\text{HEAD 8}}$ signals (on pins 40, 41, 42, 43, 44, 1, 2, and 3) of Q7 are at low level?



Figure 13

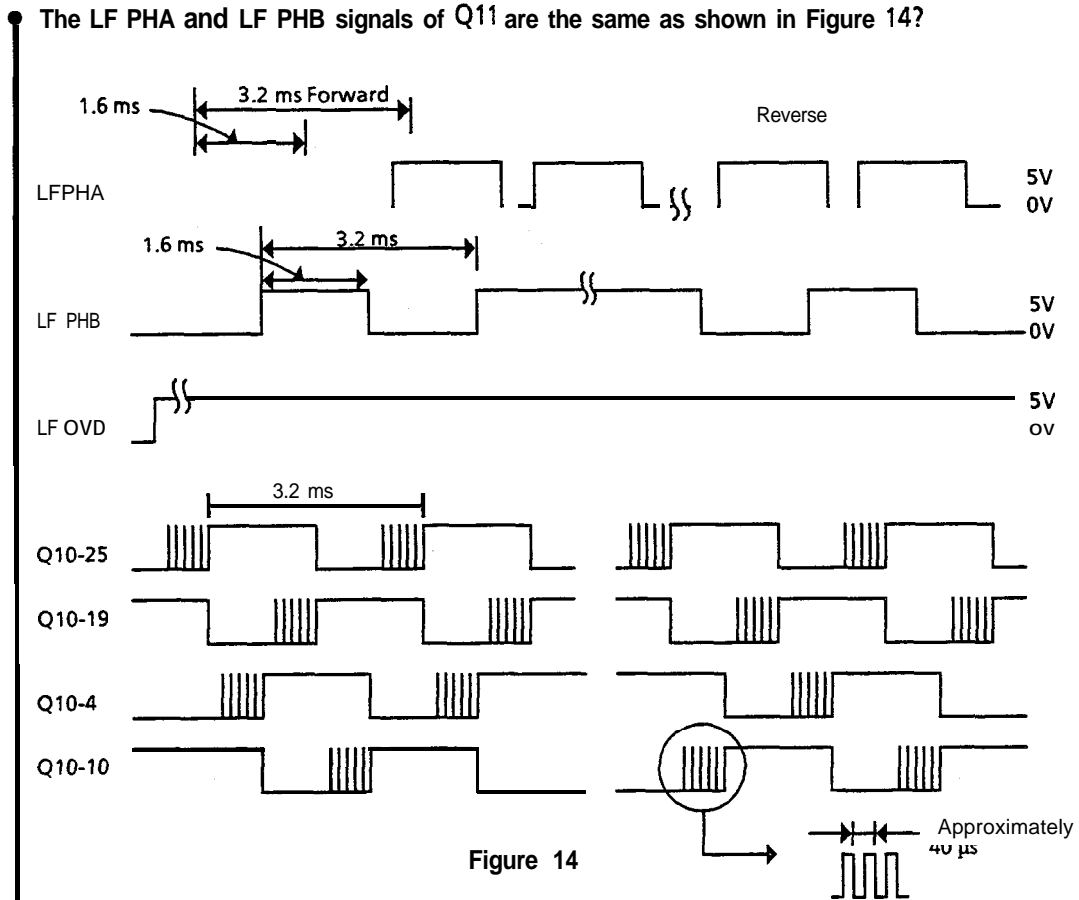
- No Check Q7 and Q11.

• Yes The output signals (on pins 16, 2, 8, and 10) of Q2 and the output signals (on pins 8, 2, and 10) of Q3 are at low level? TR3 is turned to ON?

- No Replace Q2, Q3, and TR3.

• Yes Replace the carriage unit or CN2.

⑤ Line feed malfunction



- No Replace Q11.
- ▼ Yes The waveform of LF OVD is the same as shown in Figure 14 during constant-speed operation?
 - No Replace Q13.
- ▼ Yes The VR1/VR2 voltage of pins 2 and 27 of Q10 are approximately 3.7V?
 - No Replace one of the input elements (Tr20, 120) of VR1 or VR2.
- ▼ Yes The waveform of pins 4, 10, 19 and 25 of the Q10 are the same as shown in Figure 14?
 - No Replace Q10.
- ▼ Yes Replace either LF motor or CN7. Check for bad contact on LXMC board or bent contact on LF interconnect module.

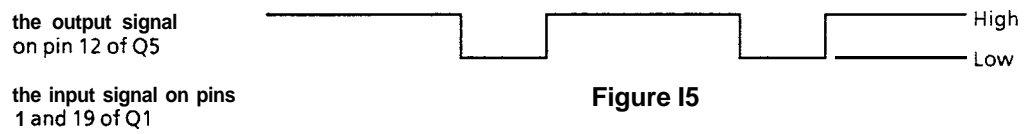
⑥ The printing operation is not performed after the operating switch is pressed.

6-1 The SELECT switch does not function.

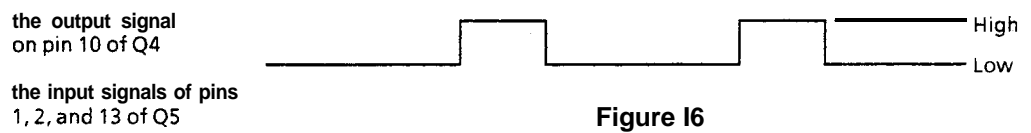
The $\overline{\text{SEL SW}}$ signal on pin 11 of Q1 is set low when the SEL switch is pressed?

● No Replace CNI or LXSP board.

Yes The output signal on pin 12 of Q5 or the input signals on pins 1 and 19 of Q1 occasionally drop to low level?



● No The output signal on pin 10 of Q4 or the input signals on pins 1, 2, and 13 of Q5 occasionally rise to high level?



● No Replace Q4.

● Yes Replace Q5.

● Yes Replace Q1.

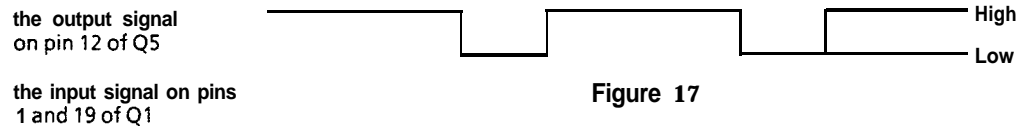
6-2

The MODE switch does not function.

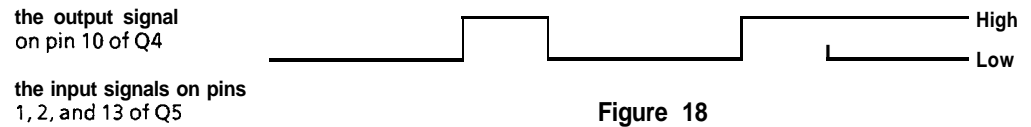
• The MODE SW signal on pin 13 of Q1 is set low when the MODE switch is pressed?

• No Replace CN 1 or LXSP board.

• Yes The output signal on pin 12 of Q5 or the input signals on pins 1 and 19 of Q1 occasionally drop to low level?



• No The output signal on pin 10 of Q4 or the input signals on pins 1, 2, and 13 of Q5 occasionally rise to high level?



• No Replace Q4.

• Yes Replace Q5.

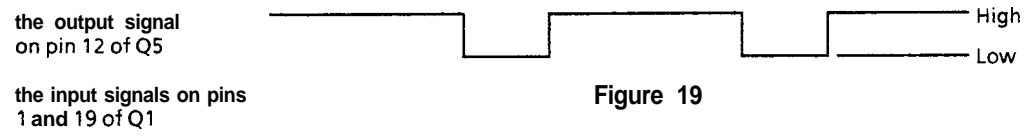
• Yes Replace Q1.

6-3 The LF switch does not function.

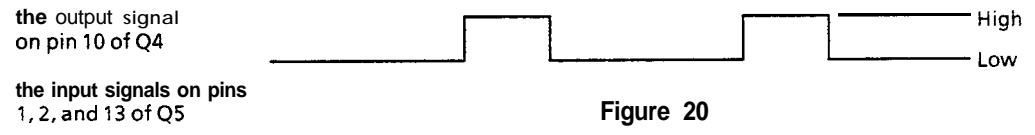
• The $\overline{\text{LF SW}}$ signal on pin 15 of Q1 is at low level when the LF switch is pressed?

- No Replace CN1 or LXSP board.

• Yes The output signal on pin 12 of Q5 or the input signals on pins 1 and 19 of Q1 occasionally drop to low level?



• No The output signal on pin 10 of Q4 or the input signals on pins 1, 2, and 13 of Q5 occasionally rise to high level?



- No Replace Q4.

• Yes Replace Q5.

• Yes Replace Q1.

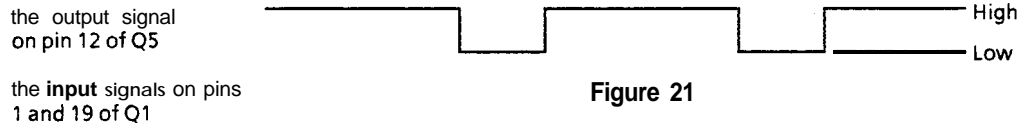
6-4

The FF switch does not function.

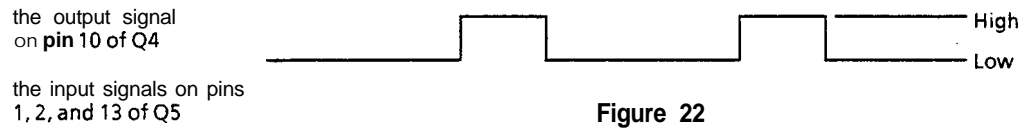
The $\overline{\text{FF SW}}$ signal on pin 17 of Q1 is at low level when the FF switch is pressed?

- No Replace CN1 or LXSP board.

Yes The output signal on pin 12 of Q5 or the input signals on pins 1 and 19 of Q1 occasionally drop to low level?



- No The output signal on pin 10 of Q4 or the input signals on pins 1, 2, and 13 of Q5 occasionally rise to high level?



- No Replace Q4.

- Yes Replace Q5.

Yes Replace Q1.

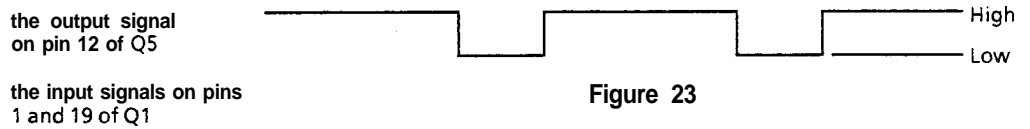
6-5

The PARK switch does not function.

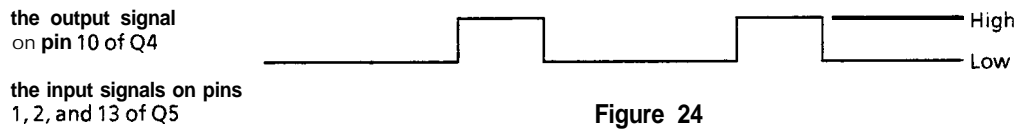
• The $\overline{\text{PARK SW}}$ signal on pin 2 of Q1 is at low level when the PARK switch is pressed?

• No Replace CN1 or LXSP board.

• Yes The output signal on pin 12 of Q5 or the input signals on pins 1 and 19 of Q1 occasionally drop to low level?



• No The output signal on pin 10 of Q4 or the input signals on pins 1, 2, and 13 of Q5 occasionally rise to high level?



• No Replace Q4.

• Yes Replace Q5.

• Yes Replace Q1.

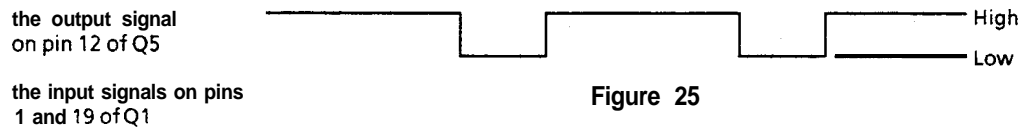
6-6

The TOF switch does not function.

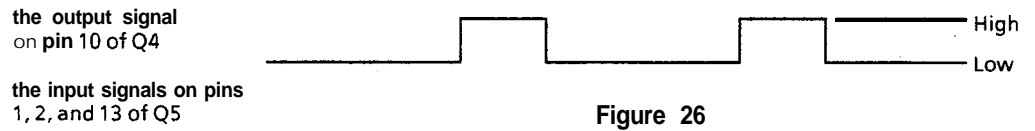
The TOF SW signal on pin 8 of Q1 is at low level when the TOF switch is pressed?

- No Replace CN1 or LXSP board.

Yes The output signal on pin 12 of Q5 or the input signals on pins 1 and 19 of Q1 occasionally drop to low level?



• No The output signal on pin 10 of Q4 or the input signals on pins 1, 2, and 13 of Q5 occasionally rise to high level?



- No Replace Q4.

• Yes Replace Q5.

• Yes Replace Q1.

6-7

The PRINT switch does not function.

- The PRINT SW signal on pin 4 of Q1 is at low level when the PRINT switch is pressed?

No Replace CN 1 or LXSP board.

- The output signal on pin 12 of Q5 or the input signals on pins 1 and 19 of Q1 occasionally drop to low level?

the output signal on pin 12 of Q5

the input signals on pins 1 and 19 of Q1

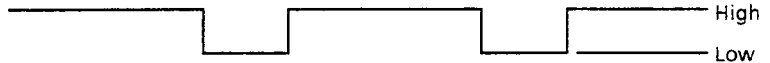


Figure 27

- No The output signal on pin 10 of Q4 or the input signals on pins 1, 2, and 13 of Q5 occasionally rise to high level?

the output signal on pin 10 of Q4

the input signals on pins 1, 2, and 13 of Q5

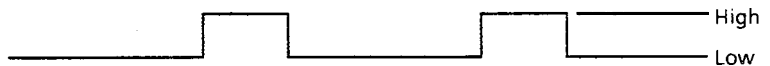


Figure 28

- No Replace Q4.

- Yes Replace Q5.

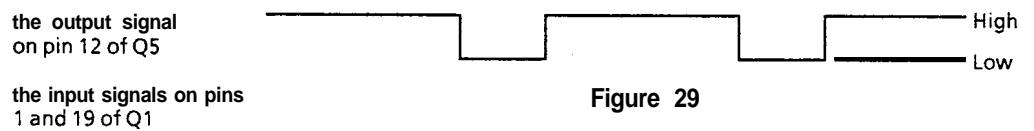
- Yes Replace Q1.

6-8 The CHARACTER switch does not function.

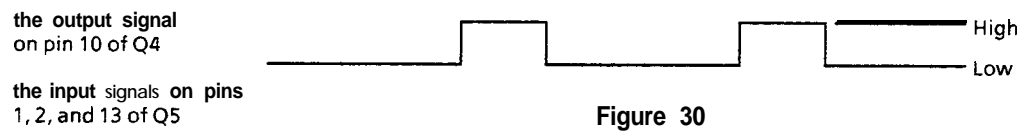
The $\overline{\text{CHA SW}}$ signal on pin 6 of Q1 is at low level when the CHA switch is pressed?

- No Replace CN1 or LXSP board.

Yes The output signal on pin 12 of Q5 or the input signals on pins 1 and 19 of Q1 occasionally drop to low level?



• No The output signal on pin 10 of Q4 or the input signals on pins 1, 2, and 13 of Q5 occasionally rise to high level?



- No Replace Q4.

• Yes Replace Q5.

• Yes Replace Q1.

⑦ The data cannot be received.

The parallel interface data cannot be received.

The IF DATA 1-8 of Q11 (MSM6990) is the same as shown in Figure 31?

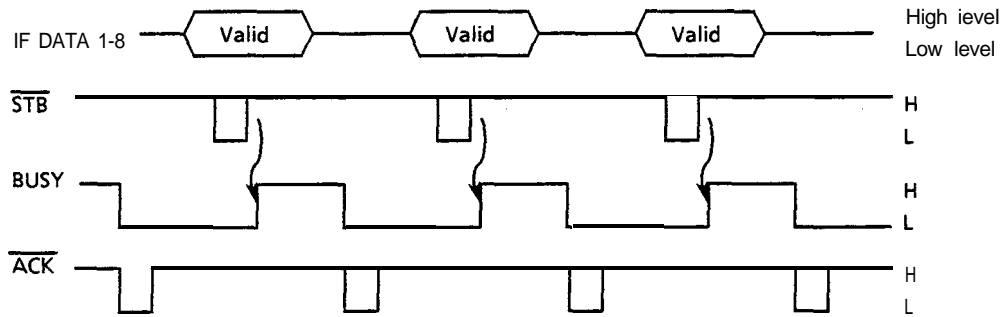


Figure 31

- No Replace either resistor of IF DATA I-8 signals or CN5.

Yes The \overline{STB} signal (pin 2) of Q11 is the same as shown in Figure 31.

- No Replace either resistor or capacitor of the \overline{STB} signal.

Yes The BUSY signal (pin 68) or \overline{ACK} signal (pin 69) of Q1 1 is the same as shown in Figure 31?

- No Replace Q11.

- Yes Replace Q14.

The parallel interface data is received but print data is missing or printing operation is not performed.

- Gap occurs during self-test.

- Yes Go to step ④.

- No The BUSY (pin 68) or \overline{ACK} (pin 69) signal of Q1 1 is the same as shown in Figure 31?

- Yes Replace Q11.

- No Replace either Q13 or resistor of \overline{ACK} or BUSY signal.

COMPONENT PARTS LIST

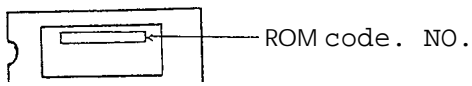
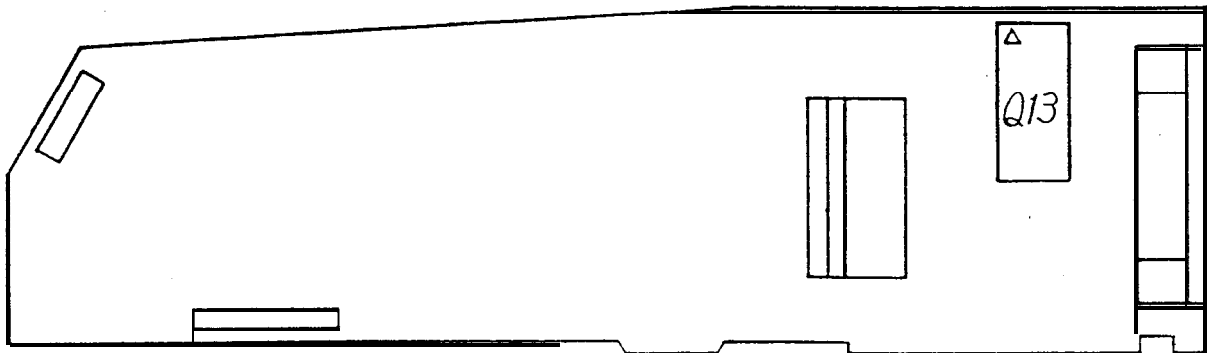
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Component Parts List

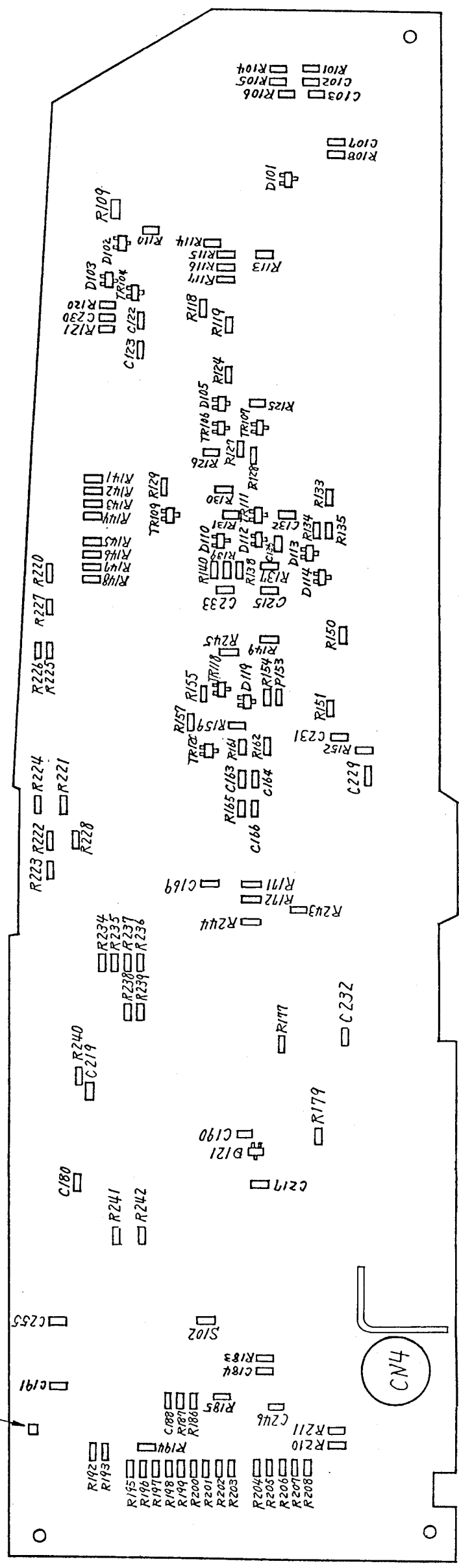
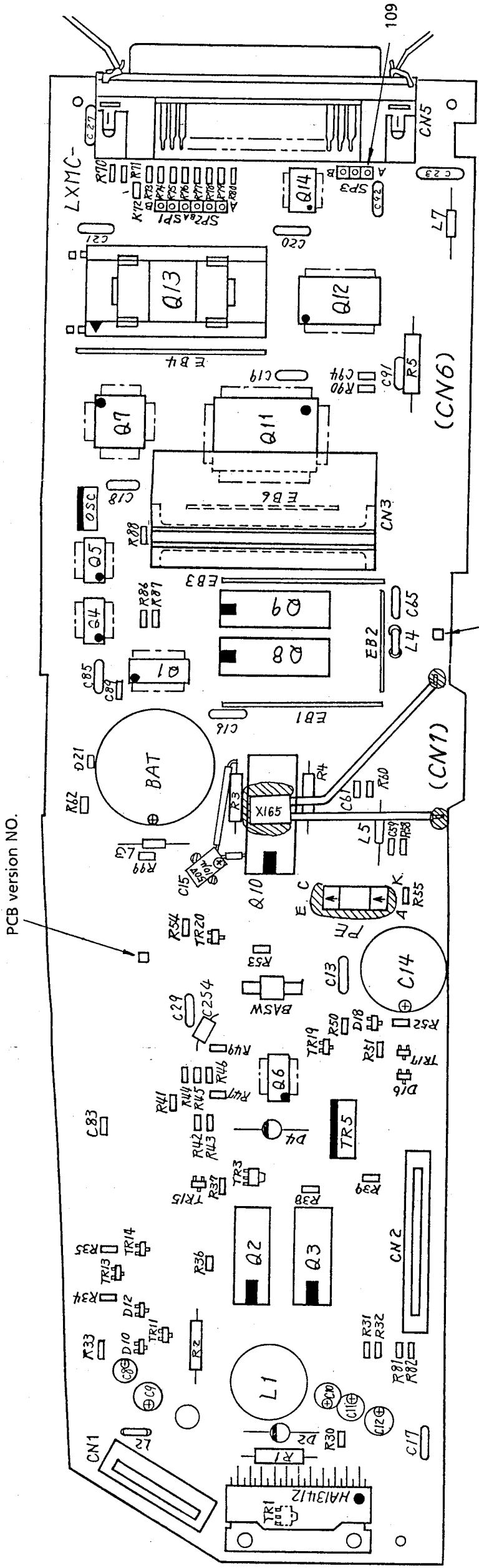
LXMC-Printed Circuit Board	4YA4021-1051GXXX	2-1
LXSP-2-Printed Circuit Board	4YA4021-1048G2	3-1
PAII-Printed Circuit Board	3YU5057-3219G2	4-1
SUII-2 Printed Circuit Board	3YU5057-331 IG2	4-9
RS-232C (LXHI)-Printed Circuit Board	4YA4021-1050GXXX	5-1

Table of ROM identification for each G. NO.

G. NO.	ROM NO.	ROM parts NO.	ROM code NO.	Use	Remarks
100	Q13	4YR4077-7022G1	77-7022	ML320 ODA	ML compatible
101	Q13	4YR4077-7023G1	77-7023	ML320 ODG	ML compatible
102	Q13	4YR4077-7024G1	77-7024	ML320 ODA	EI compatible
103	Q13	4YR4084-7003G1	84-7003	ML320 ODG	EI compatible
106	Q13	-	-	ML320/321 ODA	without ROM for maintenance (with 28 pin IC socket)
200	Q13	4YR4077-7026G1	77-7026	ML321 ODA	ML compatible
201	Q13	4YR4077-7027G1	77-7027	ML321 ODG	ML compatible
202	Q13	4YR4077-7028G1	77-7028	ML321 ODA	EI compatible
203	Q13	4YR4084-7004G1	84-7004	ML321 ODG	EI compatible
204	Q13	-	-	ML320/321 ODG	without ROM for maintenance (with 28 pin IC socket)
205	Q13	-	-	ML320/321 ODG	without ROM for maintenance (with 32 pin IC socket)



LXMC-Printed Circuit Board (4YA4021-1051GXXX) 1/2 (1/2)



PCB version NO.	2
REV. NO.	2

LXMC- Printed Circuit Board
(4YA4021-1051GXXX) 1/2 (2/2)

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 2 PCB version 2

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFA1A1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
4				
5	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
6	D16,101,114	MA3300-M Zener DI (CP)	613A0291M0292M	3
7	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
8	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
9	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
10				
11	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
12	R55,86,87, 129,234-239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
13	R41,104,131, 240	RM73B2B511J RN resistor (CP)	323A5015J0511	4
14	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
15	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
16	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
17				
18	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
19	R53	RM73B2B182J RN resistor (CP)	323A5015J0182	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 2 PCB version 2

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
20	R35,62,150, 171,172,220- 228,243-245	RM73B2B202J RN resistor (CP)	323A5015J0202	17
21				
22	R37,52,109, 135	RM73B2B222J RN resistor (CP)	323A5015J0222	4
23	R71,73- 80,101,105, 106,138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
24				
25	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
26				
27				
28				
29	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
30	R31,32,39,44, 58,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
31				
32	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
33	R36,38,54,70, 120,126,152, 155,157,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	22
34				
35				
36				
37	R47,108,159,	RM73B2B223J RN resistor (CP)	323A5015J0223	3
38	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 2 PCB version 2

For: G100, 101, 102, 101, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
39	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
40	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
41	R49,110,113- 119,124,125, 153	RM73B2B104J RN resistor (CP)	323A5015J0104	12
42				
43	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1
44	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
45	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
46	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
47	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
48				
49	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
50	R2	RD1/2Y2kΩJ RD resistor	321A1431J0202	1
51	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
52	*C254	Laminated-ceramic capacitor 0.1μF	303A4115M3104	1
53	C94,233	CC3216SL1H561J CC capacitor (CP)	303A3008K0561	2
54	C102	CC3216SL1H100D CC capacitor (CP)	303A3008K0100	1
55	C89,229,231	CC3216SL1H101J CC capacitor (CP)	303A3008K0101	3
56	C132	CC3216SL1H221J CC capacitor (CP)	303A3008K0221	1
57	C83,188	CC3216SL1H471J CC capacitor (CP)	303A3008K0471	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/7) REV. 2 PCB version 2

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
58	C61,163,164, 166	CC3216SL1H821J CC capacitor (CP)	303A6009K0821	4
59	C103,246	CC3216SL1H102J CC capacitor (CP)	303A3008K0102	2
60	C136	CK3216B1H472K CK capacitor (CP)	303A6009K3472	1
61	C107,123	CK3216F1H103Z CK capacitor (CP)	303A6009Z3103	2
62	C59,122,169, 180,184,190, 191,215,217, 219,230,232, 255	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	13
63				
64				
65	C16,18,20,21, 29,65,85,92	CK92F1E105ZS 25V CK capacitor 1.0 μ	303A4117Z2105	8
66	C19,91	CK92F1H155ZS 50V CK capacitor 1.5 μ	303A4117Z2155	2
67	C13	CQM-92PP2A223G 100V CQ capacitor 0.022 μ	306A4100G2223	1
68	C17,23,27	TCK45F2E103ZYA 250V CK capacitor 10000P	302A4027Z5103	3
69	C10	CEUSM2A3R3 100V CE capacitor 3.3 μ	304A1041A2339	1
70	C8		304A1046E1220	1
71	C9	CEUSM1E470 25V CE capacitor 47 μ	304A1041E1470	1
72	C11,12,15	CEUSM1H100 50V CE capacitor 10 μ	304A1041H1100	3
73	C14	SRC50VB-680(M) 50V CE capacitor 680 μ	304A1035H1681	1
74				
75	Q8,9	M5M4464P-12 MOS-D-RAM	802A2022M8302	2
76	Q12	5128-20GS/5517CFL-20 MOS-S-RAM (SO)	804A0003N4302	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 2 PCB version 2

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
77	Q4	74LS02FP BIP digital IC (SO)	700A0503N0002	1
78	Q14	SN74LS06NS BIP digital IC (SO)	700A0550N0006	1
79	Q5	SN74LS10NS BIP digital IC (SO)	700A0550N0010	1
80	Q1	SN74LS244NS BIP digital IC (SO)	700A0550N0244	1
81	Q6	NJM2901M BIP linear IC (SO)	720A0528N0002	1
82	Q7	MSM80C154VGS-V1K-1 MOS-CPU (FP)	851A0124N0013	1
83	Q11	MSM6990GS-V1K MOS digital IC (FP)	702A2024N0003	1
84				
85				
86	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
87	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
88	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
89	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
90	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
91	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
92	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
93	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
94	TRS	2SB882 PNP-LF-TR	601A1132M0003	1
95				
96	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/7) REV. 2 PCB version 2

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
97	Q10	M54646P BIP linear IC	720A1822M0002	1
98	MTDV	HA13412 BIP linear IC	720A4021E0004	1
99	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
100	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
101	SP1,2	FFC-6AMEP1 FC connector	225A3123P0060	2
102	SP3	FFC-3AMEP1 FC connector	225A3123P0030	1
103	S102	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
104	CN1	AK-127S15D PC connector	224A1156P0150	1
105	CN2	Z-355S PC connector	224A3198P0240	1
106	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
107	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1
108	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
109	3	DIC-252 PC connector	224A3182P0020	1
110	PE	EE-SX1042 Photocoupler	652A0127M0012	1
111	Q13	DL2-28A-05 IC socket	245A1155P0280	1
112	L3,5,7	FBA04HA900KF-00 Beads core	105A1222C1001	3
113	L2,4	DST306-55F 103Z EMI filter	342A1004P2103	2
114	OSC	FAR-C4SB16000000M12C Piezoelectric vibrator	381A2001B0005	1
115	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 2 PCB version 2

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
116				
117	EB1,EB3	Power supply bar	4PP4021-1064P002	2
118	EB2	Power supply bar	4PP4021-1064P001	1
119	EB4	Power supply bar	4PP4021-1064P003	1
120	EB6	Power supply bar L=30.48 P=15.24 N=3 X165 thermal fuse	3LH-31313-10	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 2 PCB version 2

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFA1A1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3				
4	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
5	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
6	D16,101,114	MA3300-M Zener DI (CP)	613A0291M0292M	3
7	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
8	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
9	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
10				
11	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
12	R55,86,87, 129,234-239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
13	R41,104,131, 240	RM73B2B511J RN resistor (CP)	323A5015J0511	4
14	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
15	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
16	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
17				
18	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
19	R53	RM73B2B182J RN resistor (CP)	323A5015J0182	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 2 PCB version 2

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
20	R35,62,150, 171,172,220- 228,243-245	RM73B2B202J RN resistor (CP)	323A5015J0202	17
21				
22	R37,52,109, 135	RM73B2B222J RN resistor (CP)	323A5015J0222	4
23	R71,73- 80,101,105, 106,138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
24				
25	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
26				
27				
28				
29	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
30	R31,32,39,44, 58,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
31				
32	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
33	R36,38,54,70, 120,126,152, 155,157,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	22
34				
35				
36				
37	R47,108,159	RM73B2B223J RN resistor (CP)	323A5015J0223	3
38	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 2 PCB version 2

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
39	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
40	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
41	R49,113-119, 124,125,153, 110	RM73B2B104J RN resistor (CP)	323A5015J0104	12
42				
43	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1
44	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
45	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
46	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
47	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
48				
49	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
50	R2	RD1/2Y2KΩJ RD resistor	321A1431J0202	1
51	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
52	*C254	Laminated-ceramic capacitor 0.1μ	303A4115M3104	1
53	C94,233	CC3216SL1H561J CC capacitor (CP)	303A3008K0561	2
54	C102	CC3216SL1H100D CC capacitor (CP)	303A3008K0100	1
55	C89,229,231	CC3216SL1H101J CC capacitor (CP)	303A3008K0101	3
56	C132	CC3216SL1H221J CC capacitor (CP)	303A3008K0221	1
57	C83,188	CC3216SL1H471J CC capacitor (CP)	303A3008K0471	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/7) REV. 2 PCB version 2

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty	
58	C61,163,164, 166	CC3216SL1H821J CC capacitor (CP)	303A3008K0821	4	
59	C103,246	CC3216SL1H102J CC capacitor (CP)	303A3008K0102	2	
60	C136	CK3216B1H472K CK capacitor (CP)	303A6009K3472	1	
61	C107,123	CK3216F1H103Z CK capacitor (CP)	303A6009Z3103	2	
62	C59,122,169, 180,184,190, 191,215,217, 219,230,232, 255	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	13	
63					
64					
65	C16,18,20,21, 29,65,85,92	CK92F1E105ZS CK capacitor	25V 1.0 μ	303A4117Z2105	8
66	C19,91	CK92F1H155ZS CK capacitor	50V 1.5 μ	303A4117Z2155	2
67	C13	CQM-92PP2A223G CQ capacitor	100V 0.022 μ	306A4100G2223	1
68	C17,23,27	TCK45F2E103ZYA CK capacitor	250V 10000P	302A4027Z5103	3
69	C10	CEUSM2A3R3 CE capacitor	100V 3.3 μ	304A1041A2339	1
70	C8			304A1046E1220	1
71	C9	CEUSM1E470 CE capacitor	25V 47 μ	304A1041E1470	1
72	C11,12,15	CEUSM1H100 CE capacitor	50V 10 μ	304A1041H1100	3
73	C14	SRC50VB-680(M) CE capacitor	50V 680 μ	304A1035H1681	1
74					
75	Q8,9	M5M4464P-12 MOS-D-RAM		802A2022M8302	2
76	Q12	5128-20GS/5517CFL-20 MOS-S-RAM (SO)		804A0003N4302	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 2 PCB version 2

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
77	Q4	74LS02FP BIP digital IC (SO)	700A0503N0002	1
78	Q14	SN74LS06NS BIP digital IC (SO)	700A0550N0006	1
79	Q5	SN74LS10NS BIP digital IC (SO)	700A0550N0010	1
80	Q1	SN74LS244NS BIP digital IC (SO)	700A0550N0244	1
81	Q6	NJM2901M BIP linear IC (SO)	720A0528N0002	1
82	Q7	MSM80C154VGS-V1K-1 MOS-CPU (FP)	851A0124N0013	1
83	Q11	MSM6990GS-V1K MOS digital IC (FP)	702A2024N0003	1
84				
85				
86	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
87	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
88	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
89	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
90	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
91	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
92	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
93	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
94	TR5	2SB882 PNP-LF-TR	601A1132M0003	1
95				
96	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/7) REV. 2 PCB version 2

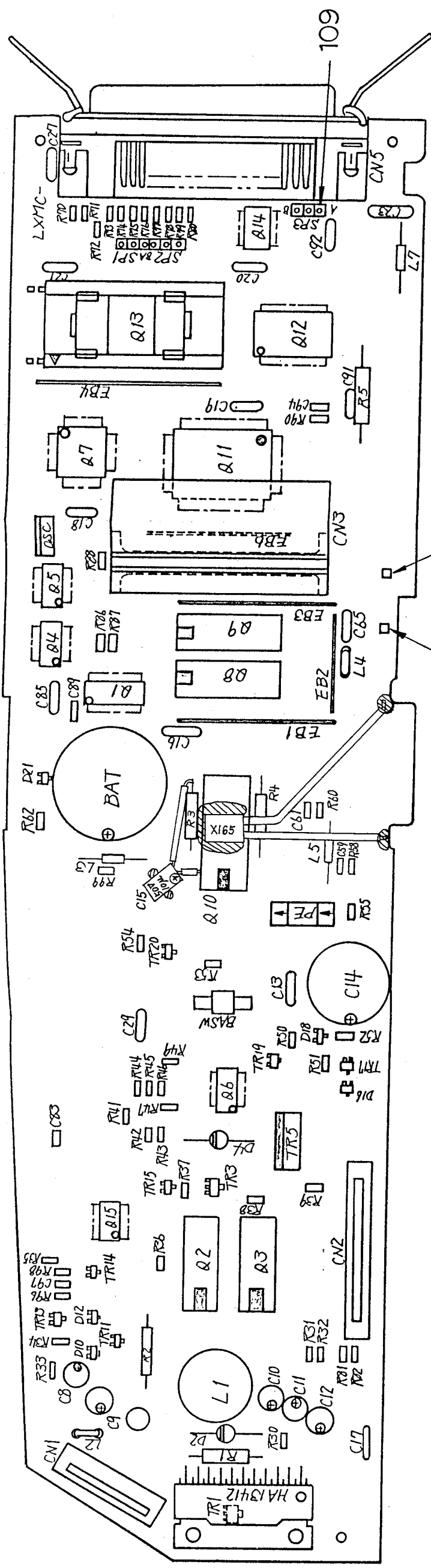
For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
97	Q10	M54646P BIP linear IC	720A1822M0002	1
98	MTDV	HA13412 BIP linear IC	720A4021E0004	1
99	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
100	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
101	SP1,2	FFC-6AMEP1 FC connector	225A3123P0060	2
102	SP3	FFC-3AMEP1 FC connector	225A3123P0030	1
103	S102	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
104	CN1	AK-127S15D PC connector	224A1156P0150	1
105	CN2	Z-355S PC connector	224A3198P0240	1
106	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
107	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1
108	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
109	3	DIC-252 PC connector	224A3182P0020	1
110	PE	EE-SX1042 Photocoupler	652A0127M0012	1
111	Q13	IC26-3206-GS4 IC socket	245A1016P0320	1
112	L3,5,7	FBA04HA900KF-00 Beads core	105A1222C1001	3
113	L2,4	DST306-55F103Z EMI filter	342A1004P2103	2
114	OSC	FAR-C4SB16000000M120 Piezoelectric vibrator	381A2001B0005	1
115	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 2 PCB version 2

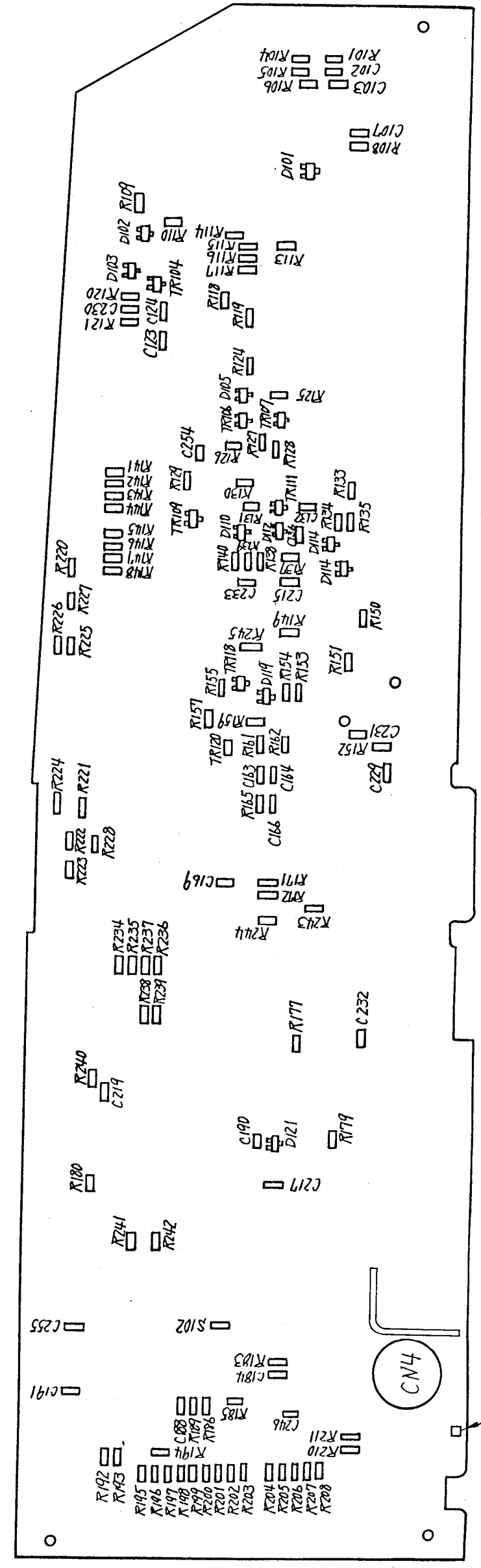
For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
116				
117	EB1,EB3	Power supply bar	4PP4021-1064P002	2
118	EB2	Power supply bar	4PP4021-1064P001	1
119	EB4	Power supply bar	4PP4021-1064P003	1
120	EB6	Power supply bar L=30.48 P=15.24 N=3	3LH-31313-10	1
		X165 thermal fuse		1



REV. NO.

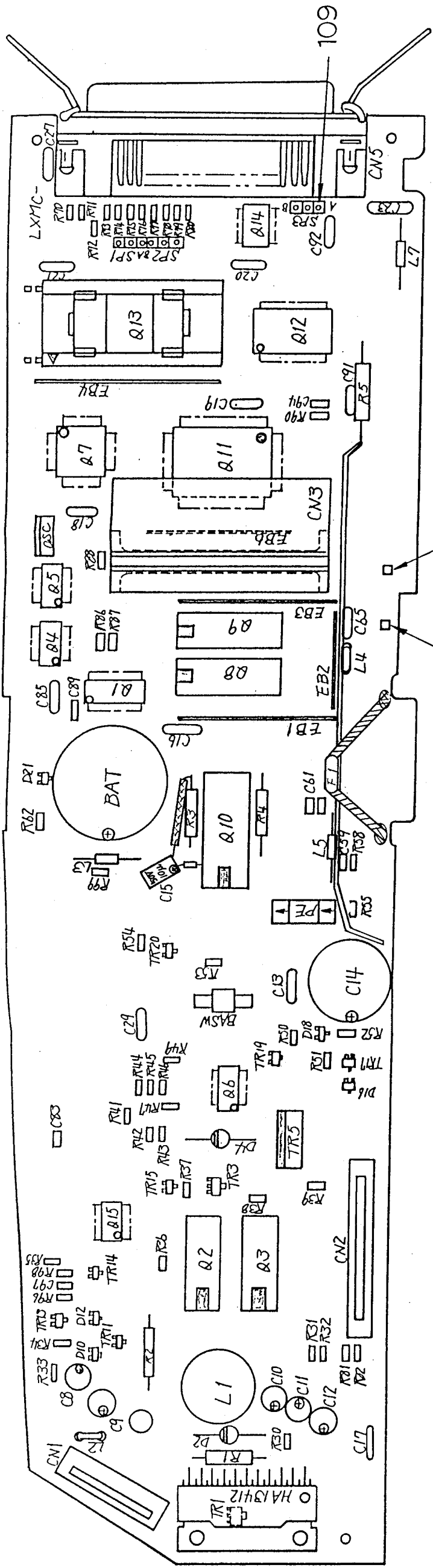
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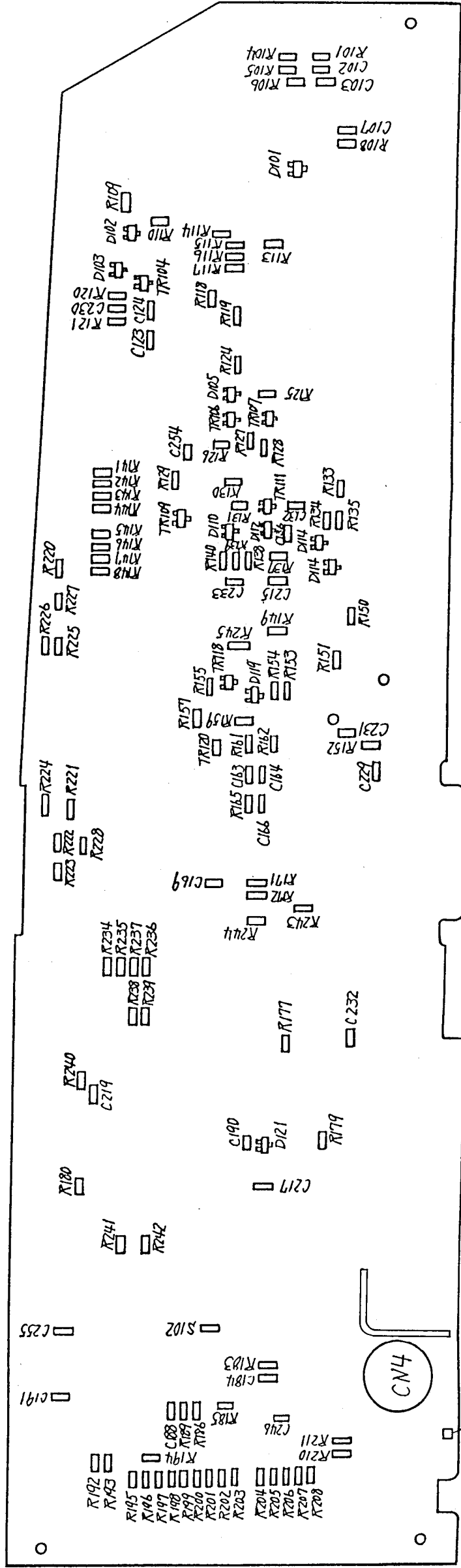
PCB version NO.

PCB version NO.	3
REV. NO.	3

LXMC-Printed Circuit Board
(4YA4021-1051GXXX) 1/2 (2/2)



REV. NO. PCB version NO.



PCB version NO.

PCB version NO.	3
REV. NO.	3

LXMIC-Printed Circuit Board
(4YA4021-1051GXXX) 1/2 (2/2)

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFA1A1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
4	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
5	D101	MA3300-M Zener DI (CP)	613A0291M0292M	1
6	D16,114	MA3300/RD30M-B Zener DI (CP)	613A0103M0292	2
7	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
8	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
9	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
10				
11	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
12	R55,86,87, 129,234-239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
13	R41,104,131, 240	RM73B2B511J RN resistor (CP)	323A5015J0511	4
14	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
15	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
16	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
17				
18	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
19	R53	RM73B2B182J RN resistor (CP)	323A5015J0182	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 3 PCB version 3

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
20	R35,37,52,62, 150,171,172, 220-228, 243-245	RM73B2B202J RN resistor (CP)	323A5015J0202	19
21				
22	R109,135	RM73B2B222J RN resistor (CP)	323A5015J0222	2
23	R71,73- 80,101,105, 106,138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
24				
25	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
26				
27				
28				
29	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
30	R31,32,39,44, 58,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
31				
32	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
33	R36,38,54,70, 120,126,152, 155,157,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	22
34				
35				
36				
37	R47,108,159,	RM73B2B223J RN resistor (CP)	323A5015J0223	3
38	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 3 PCB version 3

For: G100, 101, 102, 101, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
39	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
40	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
41	R49,110,113- 119,124,125, 153	RM73B2B104J RN resistor (CP)	323A5015J0104	12
42				
43	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1
44	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
45	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
46	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
47	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
48				
49	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
50	R2	RD1/2Y2kΩJ RD resistor	321A1431J0202	1
51	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
52				
53	C94,233	CC3216SL1H561J CC capacitor (CP)	303A3008K0561	2
54	C102	CC3216SL1H100D CC capacitor (CP)	303A3008K0100	1
55	C89,229,231	CC3216SL1H101J CC capacitor (CP)	303A3008K0101	3
56	C132	CC3216SL1H221J CC capacitor (CP)	303A3008K0221	1
57	C83,188	CC3216SL1H471J CC capacitor (CP)	303A3008K0471	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/7) REV. 3 PCB version 3

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
58	C61,163,164, 166	CC3216SL1H821J CC capacitor (CP)	303A6009K0821	4
59	C103,246	CC3216SL1H102J CC capacitor (CP)	303A3008K0102	2
60	C136	CK3216B1H472K CK capacitor (CP)	303A6009K3472	1
61	C107,123	CK3216F1H103Z CK capacitor (CP)	303A6009Z3103	2
62	C59,97,122, 169,180,184, 190,191,215, 217,219,230, 232,254,255	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	15
63				
64				
65	C16,18,20,21, 29,65,85,92	CK92F1E105ZS 25V CK capacitor 1.0 μ	303A4117Z2105	8
66	C19,91	CK92F1H155ZS 50V CK capacitor 1.5 μ	303A4117Z2155	2
67	C13	CQM-92PP2A223G 100V CQ capacitor 0.022 μ	306A4100G2223	1
68	C17,23,27	TCK45F2E103ZYA 250V CK capacitor 10000P	302A4027Z5103	3
69	C10	CEUSM2A3R3 100V CE capacitor 3.3 μ	304A1041A2339	1
70	C8		304A1046E1220	1
71	C9	CEUSM1E470 25V CE capacitor 47 μ	304A1041E1470	1
72	C11,12,15	CEUSM1H100 50V CE capacitor 10 μ	304A1041H1100	3
73	C14	SRC50VB-680(M) 50V CE capacitor 680 μ	304A1035H1681	1
74				
75	Q8,9	M5M4464P-12 MOS-D-RAM	802A2022M8302	2
76	Q12	5128-20GS/5517CFL-20 MOS-S-RAM (SO)	804A0003N4302	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 3 PCB version 3

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
77	Q4	74LS02FP BIP digital IC (SO)	700A0503N0002	1
78	Q14	SN74LS06NS BIP digital IC (SO)	700A0550N0006	1
79	Q5	SN74LS10NS BIP digital IC (SO)	700A0550N0010	1
80	Q1	SN74LS244NS BIP digital IC (SO)	700A0550N0244	1
81	Q6,15	NJM2901M BIP linear IC (SO)	720A0528N0002	2
82	Q7	MSM80C154VGS-V1K-1 MOS-CPU (FP)	851A0124N0013	1
83	Q11	MSM6990GS-V1K MOS digital IC (FP)	702A2024N0003	1
84				
85				
86	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
87	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
88	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
89	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
90	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
91	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
92	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
93	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
94	TRS	2SB882 PNP-LF-TR	601A1132M0003	1
95				
96	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/7) REV. 3 PCB version 3

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
97	Q10	M54646P BIP linear IC	720A1822M0002	1
98	MTDV	HA13412 BIP linear IC	720A4021E0004	1
99	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
100	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
101	SP1,2	FFC-6AMEP1 FC connector	225A3123P0060	2
102	SP3	FFC-3AMEP1 FC connector	225A3123P0030	1
103	S102	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
104	CN1	AK-127S15D PC connector	224A1156P0150	1
105	CN2	Z-355S PC connector	224A3198P0240	1
106	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
107	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1
108	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
109	3	DIC-252 PC connector	224A3182P0020	1
110	PE	EE-SX1042 Photocoupler	652A0127M0012	1
111	Q13	DL2-28A-05 IC socket	245A1155P0280	1
112	L3,5,7	FBA04HA900KF-00 Beads core	105A1222C1001	3
113	L2,4	DST306-55F 103Z EMI filter	342A1004P2103	2
114	OSC	FAR-C4SB16000000M12C Piezoelectric vibrator	381A2001B0005	1
115	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 3 PCB version 3

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
116				
117	EB1,EB3	Power supply bar	4PP4021-1064P002	2
118	EB2	Power supply bar	4PP4021-1064P001	1
119	EB4	Power supply bar	4PP4021-1064P003	1
120	EB6	Power supply bar L=30.48 P=15.24 N=3	3LH-31313-10	1
		X165 thermal fuse or		1
		251-001 fuse	540A2208S1102	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 3 PCB version 3

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFA1A1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3				
4	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
5	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
6	D101	MA3300-M Zener DI (CP)	613A0291M0292M	1
7	D16,114	MA3300/RD30M-B Zener DI (CP)	613A0103M0292	2
8	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
9	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
10	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
11	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
12	R55,86,87, 129,234-239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
13	R41,104,131, 240	RM73B2B511J RN resistor (CP)	323A5015J0511	4
14	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
15	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
16	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
17				
18	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
19	R53	RM73B2B182J RN resistor (CP)	323A5015J0182	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 3 PCB version 3

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
20	R35,37,52,62, 150,171,172, 220-228, 243-245	RM73B2B202J RN resistor (CP)	323A5015J0202	19
21				
22	R109,135	RM73B2B222J RN resistor (CP)	323A5015J0222	2
23	R71,73- 80,101,105, 106,138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
24				
25	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
26				
27				
28				
29	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
30	R31,32,39,44, 58,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
31				
32	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
33	R36,38,54,70, 120,126,152, 155,157,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	22
34				
35				
36				
37	R47,108,159	RM73B2B223J RN resistor (CP)	323A5015J0223	3
38	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 3 PCB version 3

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
39	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
40	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
41	R49,113-119, 124,125,153, 110	RM73B2B104J RN resistor (CP)	323A5015J0104	12
42				
43	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1
44	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
45	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
46	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
47	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
48				
49	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
50	R2	RD1/2Y2KΩJ RD resistor	321A1431J0202	1
51	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
52				
53	C94,233	CC3216SL1H561J CC capacitor (CP)	303A3008K0561	2
54	C102	CC3216SL1H100D CC capacitor (CP)	303A3008K0100	1
55	C89,229,231	CC3216SL1H101J CC capacitor (CP)	303A3008K0101	3
56	C132	CC3216SL1H221J CC capacitor (CP)	303A3008K0221	1
57	C83,188	CC3216SL1H471J CC capacitor (CP)	303A3008K0471	2

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty	
58	C61,163,164, 166	CC3216SL1H821J CC capacitor (CP)	303A3008K0821	4	
59	C103,246	CC3216SL1H102J CC capacitor (CP)	303A3008K0102	2	
60	C136	CK3216B1H472K CK capacitor (CP)	303A6009K3472	1	
61	C107,123	CK3216F1H103Z CK capacitor (CP)	303A6009Z3103	2	
62	C59,97,122, 169,180,184, 190,191,215, 217,219,230, 232,254,255	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	15	
63					
64					
65	C16,18,20,21, 29,65,85,92	CK92F1E105ZS CK capacitor	25V 1.0 μ	303A4117Z2105	8
66	C19,91	CK92F1H155ZS CK capacitor	50V 1.5 μ	303A4117Z2155	2
67	C13	CQM-92PP2A223G CQ capacitor	100V 0.022 μ	306A4100G2223	1
68	C17,23,27	TCK45F2E103ZYA CK capacitor	250V 10000P	302A4027Z5103	3
69	C10	CEUSM2A3R3 CE capacitor	100V 3.3 μ	304A1041A2339	1
70	C8			304A1046E1220	1
71	C9	CEUSM1E470 CE capacitor	25V 47 μ	304A1041E1470	1
72	C11,12,15	CEUSM1H100 CE capacitor	50V 10 μ	304A1041H1100	3
73	C14	SRC50VB-680(M) CE capacitor	50V 680 μ	304A1035H1681	1
74					
75	Q8,9	M5M4464P-12 MOS-D-RAM		802A2022M8302	2
76	Q12	5128-20GS/5517CFL-20 MOS-S-RAM (SO)		804A0003N4302	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 3 PCB version 3

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
77	Q4	74LS02FP BIP digital IC (SO)	700A0503N0002	1
78	Q14	SN74LS06NS BIP digital IC (SO)	700A0550N0006	1
79	Q5	SN74LS10NS BIP digital IC (SO)	700A0550N0010	1
80	Q1	SN74LS244NS BIP digital IC (SO)	700A0550N0244	1
81	Q6,15	NJM2901M BIP linear IC (SO)	720A0528N0002	2
82	Q7	MSM80C154VGS-V1K-1 MOS-CPU (FP)	851A0124N0013	1
83	Q11	MSM6990GS-V1K MOS digital IC (FP)	702A2024N0003	1
84				
85				
86	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
87	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
88	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
89	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
90	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
91	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
92	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
93	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
94	TR5	2SB882 PNP-LF-TR	601A1132M0003	1
95				
96	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/7) REV. 3 PCB version 3

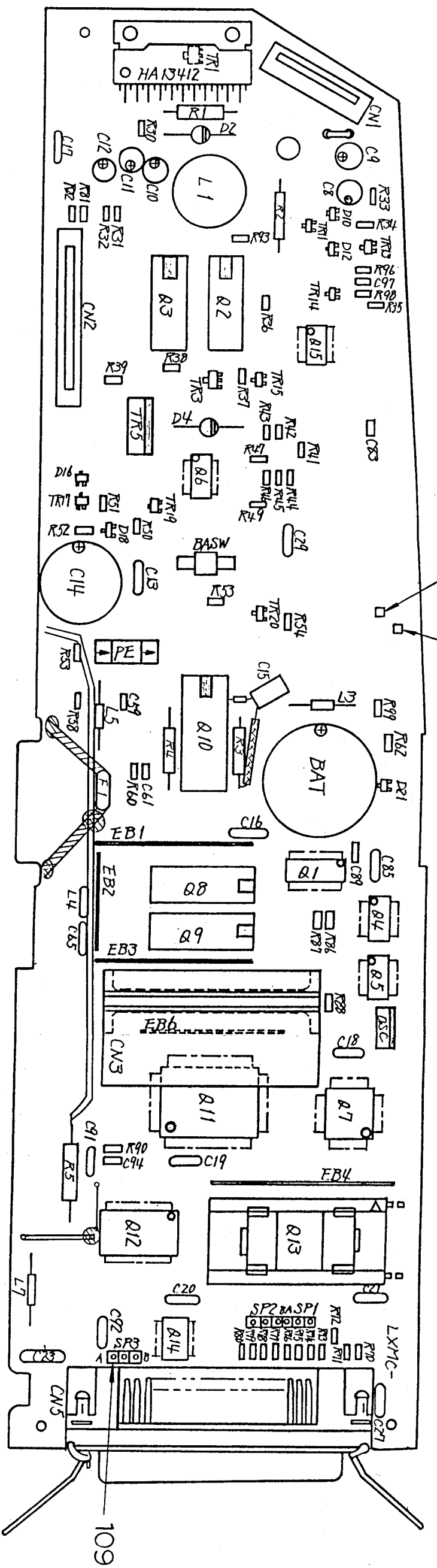
For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
97	Q10	M54646P BIP linear IC	720A1822M0002	1
98	MTDV	HA13412 BIP linear IC	720A4021E0004	1
99	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
100	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
101	SP1,2	FFC-6AMEP1 FC connector	225A3123P0060	2
102	SP3	FFC-3AMEP1 FC connector	225A3123P0030	1
103	S102	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
104	CN1	AK-127S15D PC connector	224A1156P0150	1
105	CN2	Z-355S PC connector	224A3198P0240	1
106	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
107	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1
108	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
109		DIC-252 PC connector	224A3182P0020	1
110	PE	EE-SX1042 Photocoupler	652A0127M0012	1
111	Q13	IC26-3206-GS4 IC socket	245A1016P0320	1
112	L3,5,7	FBA04HA900KF-00 Beads core	105A1222C1001	3
113	L2,4	DST306-55F103Z EMI filter	342A1004P2103	2
114	OSC	FAR-C4SB16000000M120 Piezoelectric vibrator	381A2001B0005	1
115	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1

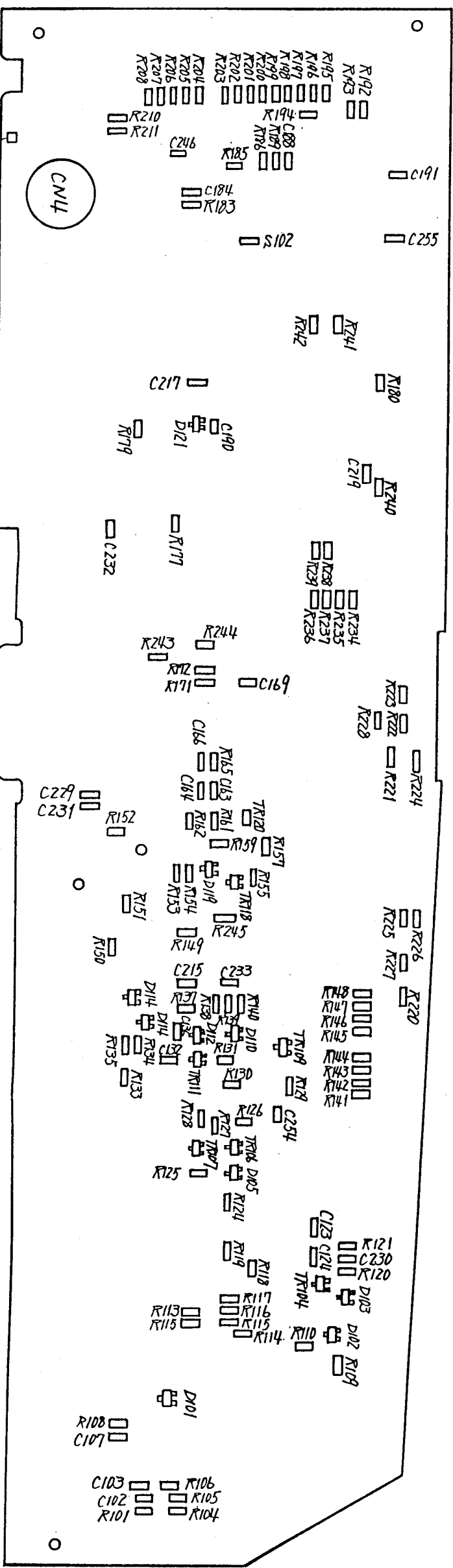
LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 3 PCB version 3

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
116				
117	EB1,EB3	Power supply bar	4PP4021-1064P002	2
118	EB2	Power supply bar	4PP4021-1064P001	1
119	EB4	Power supply bar	4PP4021-1064P003	1
120	EB6	Power supply bar L=30.48 P=15.24 N=3	3LH-31313-10	1
		X165 thermal fuse or 251-001 fuse	540A2208S1102	1



PCB version NO. REV. NO.



PCB version NO.

PCB version NO.	4
REV. NO.	4

LXMC- Printed Circuit Board
(4YA4021-1051GXXX) 1/2 (2/2)

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 4 PCB version 4

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFA1A1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
4	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
5	D101	MA3300-M Zener DI (CP)	613A0291M0292M	1
6	D16,114	MA3300/RD30M-B Zener DI (CP)	613A0103M0292	2
7	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
8	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
9	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
10				
11	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
12	R55,86,87, 129,234-239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
13	R41,104,131, 240	RM73B2B511J RN resistor (CP)	323A5015J0511	4
14	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
15	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
16	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
17				
18	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
19	R53	RM73B2B182J RN resistor (CP)	323A5015J0182	1

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
20	R35,37,52,62, 150,171,172, 220-228, 243-245	RM73B2B202J RN resistor (CP)	323A5015J0202	19
21				
22	R109,135	RM73B2B222J RN resistor (CP)	323A5015J0222	2
23	R71,73- 80,101,105, 106,138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
24				
25	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
26				
27				
28				
29	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
30	R31,32,39,44, 58,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
31				
32	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
33	R36,38,54,70, 120,126,152, 155,157,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	22
34				
35				
36	R96	RM73B2B303J RN resistor	323A5015J0303	1
37	R47,108,159,	RM73B2B223J RN resistor (CP)	323A5015J0223	3
38	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 4 PCB version 4

For: G100, 101, 102, 101, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
39	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
40	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
41	R49,93,110, 113-117,119, 124,125,153	RM73B2B104J RN resistor (CP)	323A5015J0104	12
42				
43	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1
44	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
45	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
46	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
47	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
48				
49	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
50	R2	RD1/2Y2kΩJ RD resistor	321A1431J0202	1
51	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
52				
53	C94,233	CC3216SL1H561J CC capacitor (CP)	303A3008K0561	2
54	C102	CC3216SL1H100D CC capacitor (CP)	303A3008K0100	1
55	C89,229,231	CC3216SL1H101J CC capacitor (CP)	303A3008K0101	3
56	C132	CC3216SL1H221J CC capacitor (CP)	303A3008K0221	1
57	C83,188	CC3216SL1H471J CC capacitor (CP)	303A3008K0471	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/7) REV. 4 PCB version 4

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
58	C61,163,164, 166	CC3216SL1H821J CC capacitor (CP)	303A6009K0821	4
59	C103,246	CC3216SL1H102J CC capacitor (CP)	303A3008K0102	2
60	C136	CK3216B1H472K CK capacitor (CP)	303A6009K3472	1
61	C107,123	CK3216F1H103Z CK capacitor (CP)	303A6009Z3103	2
62	C59,97,122, 169,180,184, 190,191,215, 217,219,230, 232,254,255	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	15
63				
64				
65	C16,18,20,21, 29,65,85,92	CK92F1E105ZS 25V CK capacitor 1.0 μ	303A4117Z2105	8
66	C19,91	CK92F1H155ZS 50V CK capacitor 1.5 μ	303A4117Z2155	2
67	C13	CQM-92PP2A223G 100V CQ capacitor 0.022 μ	306A4100G2223	1
68	C17,23,27	TCK45F2E103ZYA 250V CK capacitor 10000P	302A4027Z5103	3
69	C10	CEUSM2A3R3 100V CE capacitor 3.3 μ	304A1041A2339	1
70	C8		304A1046E1220	1
71	C9	CEUSM1E470 25V CE capacitor 47 μ	304A1041E1470	1
72	C11,12,15	CEUSM1H100 50V CE capacitor 10 μ	304A1041H1100	3
73	C14	SRC50VB-680(M) 50V CE capacitor 680 μ	304A1035H1681	1
74				
75	Q8,9	M5M4464P-12 MOS-D-RAM	802A2022M8302	2
76	Q12	5128-20GS/5517CFL-20 MOS-S-RAM (SO)	804A0003N4302	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 4 PCB version 4

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
77	Q4	74LS02FP BIP digital IC (SO)	700A0503N0002	1
78	Q14	SN74LS06NS BIP digital IC (SO)	700A0550N0006	1
79	Q5	SN74LS10NS BIP digital IC (SO)	700A0550N0010	1
80	Q1	SN74LS244NS BIP digital IC (SO)	700A0550N0244	1
81	Q6,15	NJM2901M BIP linear IC (SO)	720A0528N0002	2
82	Q7	MSM80C154VGS-V1K-1 MOS-CPU (FP)	851A0124N0013	1
83	Q11	MSM6990GS-V1K MOS digital IC (FP)	702A2024N0003	1
84				
85				
86	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
87	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
88	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
89	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
90	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
91	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
92	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
93	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
94	TRS	2SB882 PNP-LF-TR	601A1132M0003	1
95				
96	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/7) REV. 4 PCB version 4

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
97	Q10	M54646P BIP linear IC	720A1822M0002	1
98	MTDV	HA13412 BIP linear IC	720A4021E0004	1
99	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
100	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
101				
102	SP1,3	FFC-3AMEP1 FC connector	225A3123P0030	2
103	S102	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
104	CN1	AK-127S15D PC connector	224A1156P0150	1
105	CN2	Z-355S PC connector	224A3198P0240	1
106	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
107	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1
108	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
109	3	DIC-252 PC connector	224A3182P0020	1
110	PE	EE-SX1042 Photocoupler	652A0127M0012	1
111	Q13	DL2-28A-05 IC socket	245A1155P0280	1
112	L3,5,7	FBA04HA900KF-00 Beads core	105A1222C1001	3
113	L2,4	DST306-55F 103Z EMI filter	342A1004P2103	2
114	OSC	FAR-C4SB16000000M12C Piezoelectric vibrator	381A2001B0005	1
115	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 4 PCB version 4

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
116				
117	EB1,EB3	Power supply bar	4PP4021-1064P002	2
118	EB2	Power supply bar	4PP4021-1064P001	1
119	EB4	Power supply bar	4PP4021-1064P003	1
120	EB6	Power supply bar L=30.48 P=15.24 N=3	3LH-31313-10	1
121	F1	251-001 Fuse	540A2208S1102	1
122	4	0.26 Tefuzeru wire (Green)	LY-6507-1-GN	1
123	2	17/0.16 Heat-resistant PVC wire (Green)(22)	LY-4658-3-GN	1
124	6	AT-121 cotton coating tube	4YC4061-1051P001	4
125	5			

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 4 PCB version 4

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFA1A1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
4	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
5	D101	MA3300-M Zener DI (CP)	613A0291M0292M	1
6	D16,114	MA3300/RD30M-B Zener DI (CP)	613A0103M0292	2
7	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
8	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
9	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
10				
11	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
12	R55,86,87, 129,234-239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
13	R41,104,131, 240	RM73B2B511J RN resistor (CP)	323A5015J0511	4
14	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
15	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
16	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
17				
18	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
19	R53	RM73B2B182J RN resistor (CP)	323A5015J0182	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 4 PCB version 4

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
20	R35,37,52,62, 150,171,172, 220-228, 243-245	RM73B2B202J RN resistor (CP)	323A5015J0202	19
21				
22	R109,135	RM73B2B222J RN resistor (CP)	323A5015J0222	2
23	R71,73- 80,101,105, 106,138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
24				
25	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
26				
27				
28				
29	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
30	R31,32,39,44, 58,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
31				
32	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
33	R36,38,54,70, 120,126,152, 155,157,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	22
34				
35				
36	R96	RM73B2B303J RN resistor	323A5015J0303	1
37	R47,108,159	RM73B2B223J RN resistor (CP)	323A5015J0223	3
38	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 4 PCB version 4

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
39	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
40	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
41	R49,93,110, 113-117,119, 124,125,153	RM73B2B104J RN resistor (CP)	323A5015J0104	12
42				
43	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1
44	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
45	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
46	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
47	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
48				
49	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
50	R2	RD1/2Y2KΩJ RD resistor	321A1431J0202	1
51	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
52				
53	C94,233	CC3216SL1H561J CC capacitor (CP)	303A3008K0561	2
54	C102	CC3216SL1H100D CC capacitor (CP)	303A3008K0100	1
55	C89,229,231	CC3216SL1H101J CC capacitor (CP)	303A3008K0101	3
56	C132	CC3216SL1H221J CC capacitor (CP)	303A3008K0221	1
57	C83,188	CC3216SL1H471J CC capacitor (CP)	303A3008K0471	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/7) REV. 4 PCB version 4

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
58	C61,163,164, 166	CC3216SL1H821J CC capacitor (CP)	303A3008K0821	4
59	C103,246	CC3216SL1H102J CC capacitor (CP)	303A3008K0102	2
60	C136	CK3216B1H472K CK capacitor (CP)	303A6009K3472	1
61	C107,123	CK3216F1H103Z CK capacitor (CP)	303A6009Z3103	2
62	C59,97,122, 169,180,184, 190,191,215, 217,219,230, 232,254,255	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	15
63				
64				
65	C16,18,20,21, 29,65,85,92	CK92F1E105ZS 25V CK capacitor 1.0 μ	303A4117Z2105	8
66	C19,91	CK92F1H155ZS 50V CK capacitor 1.5 μ	303A4117Z2155	2
67	C13	CQM-92PP2A223G 100V CQ capacitor 0.022 μ	306A4100G2223	1
68	C17,23,27	TCK45F2E103ZYA 250V CK capacitor 10000P	302A4027Z5103	3
69	C10	CEUSM2A3R3 100V CE capacitor 3.3 μ	304A1041A2339	1
70	C8		304A1046E1220	1
71	C9	CEUSM1E470 25V CE capacitor 47 μ	304A1041E1470	1
72	C11,12,15	CEUSM1H100 50V CE capacitor 10 μ	304A1041H1100	3
73	C14	SRC50VB-680(M) 50V CE capacitor 680 μ	304A1035H1681	1
74				
75	Q8,9	M5M4464P-12 MOS-D-RAM	802A2022M8302	2
76	Q12	5128-20GS/5517CFL-20 MOS-S-RAM (SO)	804A0003N4302	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 4 PCB version 4

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
77	Q4	74LS02FP BIP digital IC (SO)	700A0503N0002	1
78	Q14	SN74LS06NS BIP digital IC (SO)	700A0550N0006	1
79	Q5	SN74LS10NS BIP digital IC (SO)	700A0550N0010	1
80	Q1	SN74LS244NS BIP digital IC (SO)	700A0550N0244	1
81	Q6,15	NJM2901M BIP linear IC (SO)	720A0528N0002	2
82	Q7	MSM80C154VGS-V1K-1 MOS-CPU (FP)	851A0124N0013	1
83	Q11	MSM6990GS-V1K MOS digital IC (FP)	702A2024N0003	1
84				
85				
86	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
87	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
88	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
89	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
90	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
91	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
92	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
93	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
94	TR5	2SB882 PNP-LF-TR	601A1132M0003	1
95				
96	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/7) REV. 4 PCB version 4

For: G103, 203, 205

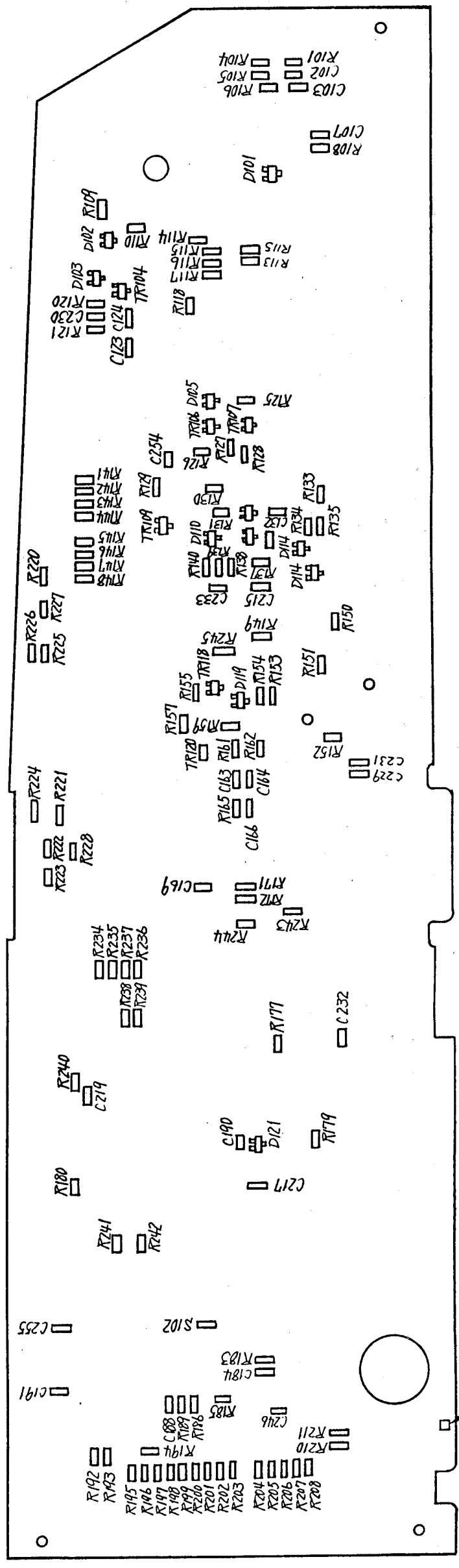
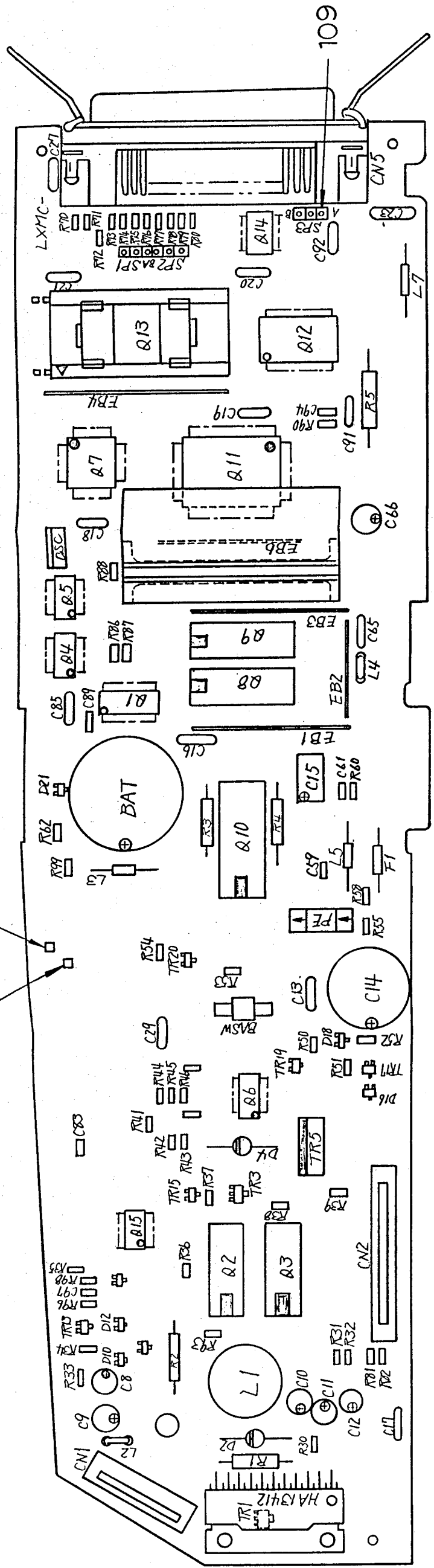
No.	Symbol	Type/Name	Part No.	Q'ty
97	Q10	M54646P BIP linear IC	720A1822M0002	1
98	MTDV	HA13412 BIP linear IC	720A4021E0004	1
99	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
100	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
101				
102	SP1,3	FFC-3AMEP1 FC connector	225A3123P0030	2
103	S102	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
104	CN1	AK-127S15D PC connector	224A1156P0150	1
105	CN2	Z-355S PC connector	224A3198P0240	1
106	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
107	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1
108	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
109		DIC-252 PC connector	224A3182P0020	1
110	PE	EE-SX1042 Photocoupler	652A0127M0012	1
111	Q13	IC26-3206-GS4 IC socket	245A1016P0320	1
112	L3,5,7	FBA04HA900KF-00 Beads core	105A1222C1001	3
113	L2,4	DST306-55F103Z EMI filter	342A1004P2103	2
114	OSC	FAR-C4SB16000000M120 Piezoelectric vibrator	381A2001B0005	1
115	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 4 PCB version 4

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
116				
117	EB1,EB3	Power supply bar	4PP4021-1064P002	2
118	EB2	Power supply bar	4PP4021-1064P001	1
119	EB4	Power supply bar	4PP4021-1064P003	1
120	EB6	Power supply bar L=30.48 P=15.24 N=3	3LH-31313-10	1
121	F1	251-001 Fuse	540A2208S1102	1
122		0.26 Tefuzeru wire (Green)	LY-6507-1-GN	1
123		17/0.16 Heat-resistant PVC wire (Green) (22)	LY-4658-3-GN	1
124		AT-121 cotton coating tube	4YC4061-1051P001	4
125				

PCB version NO. REV. NO.



PCB version NO.	6,7
REV. NO.	6,7

LXMC-Printed Circuit Board
(4YA4021-1051GXXX) 1/2 (2/2)

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 6, 7 PCB version 6, 7

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFAlA1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
4	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
5	D101	MA3300-M Zener DI (CP)	613A0291M0292M	1
6	D16,114	MA3300/RD30M-B Zener DI (CP)	613A0103M0292	2
7	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
8	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
9	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
10				
11	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
12	R55,86,87, 129,234-239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
13	R41,104,131, 240	RM73B2B511J RN resistor (CP)	323A5015J0511	4
14	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
15	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
16	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
17				
18	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
19	R53	RM73B2B182J RN resistor (CP)	323A5015J0182	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 6, 7 PCB version 6, 7

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
20	R35,37,52,62, 150,171,172, 220-228, 243-245	RM73B2B202J RN resistor (CP)	323A5015J0202	19
21				
22	R109,135	RM73B2B222J RN resistor (CP)	323A5015J0222	2
23	R71,73- 80,101,105, 106,138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
24				
25	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
26				
27				
28				
29	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
30	R31,32,39,44, 58,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
31				
32	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
33	R36,38,54,70, 120,126,152, 155,157,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	22
34				
35				
36	R96	RM73B2B303J RN resistor	323A5015J0303	1
37	R47,108,159,	RM73B2B223J RN resistor (CP)	323A5015J0223	3
38	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 6, 7 PCB version 6, 7

For: G100, 101, 102, 101, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
39	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
40	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
41	R49,93,110, 113-117,119, 124,125,153	RM73B2B104J RN resistor (CP)	323A5015J0104	12
42				
43	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1
44	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
45	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
46	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
47	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
48				
49	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
50	R2	RD1/2Y2kΩJ RD resistor	321A1431J0202	1
51	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
52				
53	C94,233	CC3216SL1H561J CC capacitor (CP)	303A3008K0561	2
54	C102	CC3216SL1H100D CC capacitor (CP)	303A3008K0100	1
55	C89,229,231	CC3216SL1H101J CC capacitor (CP)	303A3008K0101	3
56	C83,132	CC3216SL1H221J CC capacitor (CP)	303A3008K0221	2
57	C188	CC3216SL1H471J CC capacitor (CP)	303A3008K0471	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/7) REV. 6, 7 PCB version 6, 7

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
58	C61,163,164, 166	CC3216SL1H821J CC capacitor (CP)	303A6009K0821	4
59	C103,246	CC3216SL1H102J CC capacitor (CP)	303A3008K0102	2
60	C136	CK3216B1H472K CK capacitor (CP)	303A6009K3472	1
61	C107,123	CK3216F1H103Z CK capacitor (CP)	303A6009Z3103	2
62	C59,97,122, 169,180,184, 190,191,215, 217,219,230, 232,254,255	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	15
63				
64				
65	C16,18,20,21, 29,65,85,92	CK92F1E105ZS 25V CK capacitor 1.0 μ	303A4117Z2105	8
66	C19,91	CK92F1H155ZS 50V CK capacitor 1.5 μ	303A4117Z2155	2
67	C13	CQM-92PP2A223G 100V CQ capacitor 0.022 μ	306A4100G2223	1
68	C17,23,27	TCK45F2E103ZYA 250V CK capacitor 10000P	302A4027Z5103	3
69	C10	CEUSM2A3R3 100V CE capacitor 3.3 μ	304A1041A2339	1
70	C8		304A1046E1220	1
71	C9,66	CEUSM1E470 25V CE capacitor 47 μ	304A1041E1470	2
72	C11,12,15	CEUSM1H100 50V CE capacitor 10 μ	304A1041H1100	3
73	C14	SRC50VB-680(M) 50V CE capacitor 680 μ	304A1035H1681	1
74	C15	CEUSM1J100 63V CE capacitor 10 μ	304A1041J1100	1
75	Q8,9	M5M4464P-12 MOS-D-RAM	802A2022M8302	2
76	Q12	5128-20GS/5517CFL-20 MOS-S-RAM (SO)	804A0003N4302	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 6, 7 PCB version 6, 7

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
77	Q4	74LS02FP BIP digital IC (SO)	700A0503N0002	1
78	Q14	SN74LS06NS BIP digital IC (SO)	700A0550N0006	1
79	Q5	SN74LS10NS BIP digital IC (SO)	700A0550N0010	1
80	Q1	SN74LS244NS BIP digital IC (SO)	700A0550N0244	1
81	Q6,15	NJM2901M BIP linear IC (SO)	720A0528N0002	2
82	Q7	MSM80C154VGS-V1K-1 MOS-CPU (FP)	851A0124N0013	1
83	Q11	MSM6990GS-V1K MOS digital IC (FP)	702A2024N0003	1
84				
85				
86	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
87	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
88	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
89	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
90	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
91	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
92	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
93	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
94	TRS	2SB882 PNP-LF-TR	601A1132M0003	1
95				
96	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/7) REV. 6, 7 PCB version 6, 7

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
97	Q10	M54646P BIP linear IC	720A1822M0002	1
98	MTDV	HA13412 BIP linear IC	720A4021E0004	1
99	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
100	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
101				
102	SP1,3	FFC-3AMEP1 FC connector	225A3123P0030	2
103	S102	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
104	CN1	AK-127S15D PC connector	224A1156P0150	1
105	CN2	Z-355S PC connector	224A3198P0240	1
106	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
107	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1
108	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
109		DIC-252 PC connector	224A3182P0020	1
110	PE	EE-SX1042 Photocoupler	652A0127M0012	1
111	Q13	DL2-28A-05 IC socket	245A1155P0280	1
112	L3,5,7	FBA04HA900KF-00 Beads core	105A1222C1001	3
113	L2,4	DST306-55F 103Z EMI filter	342A1004P2103	2
114	OSC	FAR-C4SB16000000M12C Piezoelectric vibrator	381A2001B0005	1
115	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 6, 7 PCB version 6, 7

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
116				
117	EB1,EB3	Power supply bar	4PP4021-1064P002	2
118	EB2	Power supply bar	4PP4021-1064P001	1
119	EB4	Power supply bar	4PP4021-1064P003	1
120	EB6	Power supply bar L=30.48 P=15.24 N=3	3LH-31313-10	1
121	F1	251-001 Fuse	540A2208S1102	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 6, 7 PCB version 6, 7

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFA1A1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3				
4	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
5	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
6	D101	MA3300-M Zener DI (CP)	613A0291M0292M	1
7	D16,114	MA3300/RD30M-B Zener DI (CP)	613A0103M0292	2
8	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
9	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
10	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
11	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
12	R55,86,87, 129,234-239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
13	R41,104,131, 240	RM73B2B511J RN resistor (CP)	323A5015J0511	4
14	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
15	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
16	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
17				
18	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
19	R53	RM73B2B182J RN resistor (CP)	323A5015J0182	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 6, 7 PCB version 6, 7

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
20	R35,37,52,62, 150,171,172, 220-228, 243-245	RM73B2B202J RN resistor (CP)	323A5015J0202	19
21				
22	R109,135	RM73B2B222J RN resistor (CP)	323A5015J0222	2
23	R71,73-80, 101,105,106, 138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
24				
25	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
26				
27				
28				
29	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
30	R31,32,39,44, 58,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
31				
32	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
33	R36,38,54,70, 120,126,152, 155,157,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	22
34				
35				
36	R96	RM73B2B303J RN resistor	323A5015J0303	1
37	R47,108,159	RM73B2B223J RN resistor (CP)	323A5015J0223	3
38	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 6, 7 PCB version 6, 7

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
39	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
40	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
41	R49,93,110, 113-117,119, 124,125,153	RM73B2B104J RN resistor (CP)	323A5015J0104	12
42				
43	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1
44	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
45	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
46	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
47	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
48				
49	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
50	R2	RD1/2Y2KΩJ RD resistor	321A1431J0202	1
51	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
52				
53	C94,233	CC3216SL1H561J CC capacitor (CP)	303A3008K0561	2
54	C102	CC3216SL1H100D CC capacitor (CP)	303A3008K0100	1
55	C89,229,231	CC3216SL1H101J CC capacitor (CP)	303A3008K0101	3
56	C83,132	CC3216SL1H221J CC capacitor (CP)	303A3008K0221	2
57	C188	CC3216SL1H471J CC capacitor (CP)	303A3008K0471	1

For: G103, 203, 205

203, 205, 205, 205

No.	Symbol	Type/Name	Part No.	Qty
58	C61,163,164,166	CC3216SL1H821J CC capacitor (CP)	303A3008K0821	4
59	C103,246	CC3216SL1H102J CC capacitor (CP)	303A3008K0102	2
60	C136	CK3216B1H472K CK capacitor (CP)	303A6009K3472	1
61	C107,123	CK3216F1H103Z CK capacitor (CP)	303A6009Z3103	2
62	C59,97,122,169,180,184,190,191,215,217,219,230,232,254,255	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	15
63				8
64				8
65	C16,18,20,21,29,65,85,92	CK92F1E105ZS CK capacitor	303A4117Z2105	8
66	C19,91	CK92F1H155ZS CK capacitor	303A4117Z2155	2
67	C13	CQM-92PP2A223G CQ capacitor	306A4100G2223	1
68	C17,23,27	TCK45F2E103ZYA CK capacitor	302A4027Z5103	3
69	C10	CEUSM2A3R3 CE capacitor	304A1041A2339	1
70	C8		304A1046E1220	1
71	C9,66	CEUSM1E470 CE capacitor	304A1041E1470	2
72	C11,12	CEUSM1H100 CE capacitor	304A1041H1100	2
73	C14	SRC50VB-680(M) CE capacitor	304A1035H1681	1
74	C15	CEUSM1J100 CE capacitor	304A1041J1100	1
75	Q8,9	M5M4464P-12 MOS-D-RAM	802A2022M8302	2
76	Q12	5128-20GS/5517GFL-20 MOS-S-RAM (SO)	804A0003N4302	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 6, 7 PCB version 6, 7

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
77	Q4	74LS02FP BIP digital IC (SO)	700A0503N0002	1
78	Q14	SN74LS06NS BIP digital IC (SO)	700A0550N0006	1
79	Q5	SN74LS10NS BIP digital IC (SO)	700A0550N0010	1
80	Q1	SN74LS244NS BIP digital IC (SO)	700A0550N0244	1
81	Q6,15	NJM2901M BIP linear IC (SO)	720A0528N0002	2
82	Q7	MSM80C154VGS-V1K-1 MOS-CPU (FP)	851A0124N0013	1
83	Q11	MSM6990GS-V1K MOS digital IC (FP)	702A2024N0003	1
84				
85				
86	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
87	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
88	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
89	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
90	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
91	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
92	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
93	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
94	TR5	2SB882 PNP-LF-TR	601A1132M0003	1
95				
96	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/7) REV. 6, 7 PCB version 6, 7

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
97	Q10	M54646P BIP linear IC	720A1822M0002	1
98	MTDV	HA13412 BIP linear IC	720A4021E0004	1
99	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
100	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
101				
102	SP1,3	FFC-3AMEP1 FC connector	225A3123P0030	2
103	S102	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
104	CN1	AK-127S15D PC connector	224A1156P0150	1
105	CN2	Z-355S PC connector	224A3198P0240	1
106	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
107	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1
108	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
109	3	DIC-252 PC connector	224A3182P0020	1
110	PE	EE-SX1042 Photocoupler	652A0127M0012	1
111	Q13	IC26-3206-GS4 IC socket	245A1016P0320	1
112	L3,5,7	FBA04HA900KF-00 Beads core	105A1222C1001	3
113	L2,4	DST306-55F103Z EMI filter	342A1004P2103	2
114	OSC	FAR-C4SB16000000M120 Piezoelectric vibrator	381A2001B0005	1
115	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 6, 7 PCB version 6, 7

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
116				
117	EB1,EB3	Power supply bar	4PP4021-1064P002	2
118	EB2	Power supply bar	4PP4021-1064P001	1
119	EB4	Power supply bar	4PP4021-1064P003	1
120	EB6	Power supply bar L=30.48 P=15.24 N=3	3LH-31313-10	1
121	F1	251-001 Fuse	540A2208S1102	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/6) REV. 8 PCB version 8

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFA1A1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
4	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
5	D101	MA3300-M Zener DI (CP)	613A0291M0292M	1
6	D16,114	MA3300/RD30M-B Zener DI (CP)	613A0103M0292	2
7	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
8	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
9	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
10	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
11	R65,67-69,86, 87,95,129, 232,239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
12	R24,41,98, 104,131	RM73B2B511J RN resistor (CP)	323A5015J0511	5
13	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
14	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
15	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
16	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
17	R157	RM73B2B182J RN resistor (CP)	323A5015J0182	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/6) REV. 8 PCB version 8

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
18	R35,37,52,62, 150,171,172, 220-228,243- 245	RM73B2B202J RN resistor (CP)	323A5015J0202	19
19	R109,135	RM73B2B222J RN resistor (CP)	323A5015J0222	2
20	R71,73-80, 101,105,106, 138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
21	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
22	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
23	R31,32,39,44, 55,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
24	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
25	R36,38,54,57, 70,120,126, 152,155,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	22
26	R47,108,159	RM73B2B223J RN resistor (CP)	323A5015J0223	3
27	R96	RM73B2B303J RN resistor (CP)	323A5015J0303	1
28	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2
29	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
30	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
31	R49,93,110, 113-117,119, 124,125,153	RM73B2B104J RN resistor (CP)	323A5015J0104	12
32	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/6) REV. 8 PCB version 8

For: G100, 101, 102, 101, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
33	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
34	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
35	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
36	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
37	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
38	R2	RD1/2Y2kΩJ RD resistor	321A1431J0202	1
39	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
40	C94,233	CC3216SL1H561J 50V CC capacitor (CP)	303A3008K0561	2
41	C102	CC3216SL1H100D 50V CC capacitor (CP)	303A3008K0100	1
42	C89,229,231	CC3216SL1H101J 50V CC capacitor (CP)	303A3008K0101	3
43	C83,132	CC3216SL1H221J 50V CC capacitor (CP)	303A3008K0221	2
44	C188	CC3216SL1H471J 50V CC capacitor (CP)	303A3008K0471	1
45	C61,163,164, 166	CC3216SL1H821J 50V CC capacitor (CP)	303A3008K0821	4
46	C56,103	CC3216SL1H102J 50V CC capacitor (CP)	303A3008K0102	2
47	C136	CK3216B1H472K 50V CK capacitor (CP)	303A6009K3472	1
48	C107,123	CK3216F1H103Z 50V CK capacitor (CP)	303A6009Z3103	2
49	C20,21,26,28, 58,59,85,97, 122,169,180, 184,190,191, 215,217,230, 234,235,254, 255	CK3216F1H104Z 50V CK capacitor (CP)	303A6009Z3104	21

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/6) REV. 8 PCB version 8

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty	
50	C16,19,91,92	CK92F1E105ZS CK capacitor	25V 1.0 μ	303A4117Z2105	4
51	C13	CQM-92PP2A223G CQ capacitor	100V 0.022 μ	306A4100G2223	1
52	C17,22,23,27	TCK45F2E103ZYA CK capacitor	250V 10000P	302A4027Z5103	4
53	C10	CEUSM2A3R3 CE capacitor	100V 3.3 μ	304A1041A2339	1
54	C8	25MS5-22M CE capacitor	25V 22 μ	304A1046E1220	1
55	C9,66	CEUSM1E470 CE capacitor	25V 47 μ	304A1041E1470	2
56	C11,12	CEUSM1H100 CE capacitor	50V 10 μ	304A1041H1100	2
57	C15	50MS5-10M CE capacitor	50V 10 μ	304A1046H1100	1
58	C14	SRC50VB-680(M) CE capacitor	50V 680 μ	304A1035H1681	1
59	C6	CEUSM1A101 CE capacitor	10V 100 μ	304A1041A1101	1
60	Q8,9	464P-12 MOS-D-RAM		802A2003M8302	2
61	Q12	5128-20GS/5517CFL-20 MOS-S-RAM	(SO)	804A0003N4302	1
62	Q4	74LS02FP BIP digital IC	(SO)	700A0503N0002	1
63	Q14	SN74LS06NS BIP digital IC	(SO)	700A0550N0006	1
64	Q5	SN74LS10NS BIP digital IC	(SO)	700A0550N0010	1
65	Q1	SN74LS244NS BIP digital IC	(SO)	700A0550N0244	1
66	Q6,15	NJM2901M/UPC339G2 BIP linear IC	(SO)	720A0503N0007	1
67	Q7	MSM80C154VGS-V1K-1 MOS-CPU	(FP)	851A0124N0013	1
68	Q11	MSM6990GS-V1K MOS digital IC	(FP)	702A2024N0003	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/6) REV. 8 PCB version 8

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
69	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
70	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
71	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
72	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
73	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
74	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
75	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
76	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
77	TR5	2SB882 PNP-LF-TR	601A1132M0003	1
78	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2
79	Q10	M54646AP BIP linear IC	720A1822M0002	1
80	MTDV	HA13412 BIP linear IC	720A4021E0004	1
81	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
82	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
83	SP1,3	FFC-3AMEP1 FC connector	225A3123P0030	2
84	CN1	AK-127S15D PC connector	224A1156P0150	1
85	CN2	Z-355S PC connector	224A3198P0240	1
86	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
87	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/6) REV. 8 PCB version 8

For: G100, 101, 102, 106, 200, 201, 202, 204

No.	Symbol	Type/Name	Part No.	Q'ty
88	CN8	DF1B-12P-2.5DSA	224A3716P0120	1
89	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
90		DIC-252 PC connector	224A3182P0020	1
91	PE	EE-SX1054 Photocoupler	651A0127M0001	1
92	Q13	DL2-28A-05 IC socket	245A1155P0280	1
93	L5,7,8	ZBF253D-01 Beads filter	377A1115P1309	3
94	L2,4,6	DST306-55F103Z EMI filter	342A1004P2103	3
95	OSC	FAR-C4SB16000000M12C Piezoelectric vibrator	381A2001B0005	1
96	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1
97	F1	251-001 Fuse	540A2208S1102	1
98	S10,11	JPW02 Jumper wire	321A1520P0001	2
99	EB1	Power supply bar L=22.86	3LH-31313-15	1
100	EB2,4	Power supply bar	4PP4021-1064P002	2
101	EB7	Power supply bar L=22.86	3LH-31313-164	1
102	EB5	Power supply bar L=30.48 P=30.48 N=2	3LH-31313-117	1
103	EB6,8	Power supply bar L=15.24 P=15.24 N=2	3LH-31313-5	2
104	EB3	Power supply bar L=15.24 P=15.24 N=2	3LH-31313-13	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 8 PCB version 8

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
1	D2	DFA1A1 Rectifier DI	610A0221L0021	1
2	D4	EM1Z/SM-1A-02/DSA1A2 Rectifier DI	610A0003M0001	1
3	D10,12,18,21, 105,112,121	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	7
4	D113	MA3075-M/RD7.5M-B2 Zener DI (CP)	613A0103M0152B	1
5	D101	MA3300-M Zener DI (CP)	613A0291M0292M	1
6	D16,114	MA3300/RD30M-B Zener DI (CP)	613A0103M0292	2
7	D103,110	MA3047-H Zener DI (CP)	613A0291M0102H	2
8	D102	MA3100/RD10M-B Zener DI (CP)	613A0103M0182	1
9	D119	RD2.7M-B1 Zener DI (CP)	613A0233M0042A	1
10	R99,121,151, 194	RM73B2B101J RN resistor (CP)	323A5015J0101	4
11	R65,67-69,86, 87,95,129, 232,239	RM73B2B431J RN resistor (CP)	323A5015J0431	10
12	R24,41,98, 104,131	RM73B2B511J RN resistor (CP)	323A5015J0511	5
13	R128	RM73B2B561J RN resistor (CP)	323A5015J0561	1
14	R154	RM73B2B751J RN resistor (CP)	323A5015J0751	1
15	R51,72,88,90, 161,162,187, 193	RM73B2B102J RN resistor (CP)	323A5015J0102	8
16	R34,127,133	RM73B2B122J RN resistor (CP)	323A5015J0122	3
17	R157	RM73B2B182J RN resistor (CP)	323A5015J0182	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 8 PCB version 8

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
18	R35,37,52,62, 150,171,172, 220-228,243- 245	RM73B2B202J RN resistor (CP)	323A5015J0202	19
19	R109,135	RM73B2B222J RN resistor (CP)	323A5015J0222	1
20	R71,73-80, 101,105,106, 138,186, 203-208	RM73B2B332J RN resistor (CP)	323A5015J0332	20
21	R137	RM73B2B472J RN resistor (CP)	323A5015J0472	1
22	R241,242	RM73B2B201J RN resistor (CP)	323A5015J0201	2
23	R31,32,39,44, 55,81,82,140- 149,177,210	RM73B2B562J RN resistor (CP)	323A5015J0562	19
24	R139	RM73B2B682J RN resistor (CP)	323A5015J0682	1
25	R36,38,54,57, 70,120,126, 152,155,179, 183,185,192, 195-202,211	RM73B2B103J RN resistor (CP)	323A5015J0103	21
26	R47,108,159	RM73B2B223J RN resistor (CP)	323A5015J0223	3
27	R96	RM73B2B303J RN resistor (CP)	323A5015J0303	1
28	R60,165	RM73B2B473J RN resistor (CP)	323A5015J0473	2
29	R33	RM73B2B513J RN resistor (CP)	323A5015J0513	1
30	R130	RM73B2B683J RN resistor (CP)	323A5015J0683	1
31	R49,93,110, 113-117,119, 124,125,153	RM73B2B104J RN resistor (CP)	323A5015J0104	12
32	R30	RM73B2B224J RN resistor (CP)	323A5015J0224	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 8 PCB version 8

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
33	R42,45,46	RM73B2B242F RN resistor (CP)	323A5015F0242	3
34	R134	RM73B2B124F RN resistor (CP)	323A5015F0124	1
35	R43	RM73B2B222F RN resistor (CP)	323A5015F0222	1
36	R50	RM73B2B153F RN resistor (CP)	323A5015F0153	1
37	R1,3,4	MSF1/2B0.51ΩJ RS resistor	324A1001J0518	3
38	R2	RD1/2Y2kΩJ RD resistor	321A1431J0202	1
39	R5	FMR1-1.8ΩJ Fuse resistor	327A1002J0189	1
40	C94,233	CC3216SL1H561J CC capacitor (CP)	303A3008K0561	2
41	C102	CC3216SL1H100D CC capacitor (CP)	303A3008K0100	2
42	C89,229,231	CC3216SL1H101J CC capacitor (CP)	303A3008K0101	3
43	C83,132	CC3216SL1H221J CC capacitor (CP)	303A3008K0221	2
44	C188	CC3216SL1H471J CC capacitor (CP)	303A3008K0471	1
45	C61,163,164, 166	CC3216SL1H821J CC capacitor (CP)	303A3008K0821	4
46	C56,103	CC3216SL1H102J CC capacitor (CP)	303A3008K0102	2
47	C136	CK3216B1H472K CK capacitor (CP)	303A6009K3472	1
48	C107,123	CK3216F1H103Z CK capacitor (CP)	303A6009Z3103	2

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/7) REV. 8 PCB version 8

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
49	C20,21,26,28, 58,59,85,97, 122,169,180, 184,190,191, 215,217,230, 234,235,254, 255	CK3216F1H104Z CK capacitor	50V (CP) 303A6009Z3104	21
50	C16,19,91,92	CK92F1E105ZS CK capacitor	25V 1 μ 303A4117Z2105	4
51	C13	CQM-92PP2A223G CQ capacitor	100V 0.022 μ 306A4100G2223	1
52	C17,22,23,27	TCK45F2E103ZYA CK capacitor	250V 10000P 302A4027Z5103	4
53	C10	CEUSM2A3R3 CE capacitor	100V 3.3 μ 304A1041A2339	1
54	C8	25MS5-22M CE capacitor	25V 22 μ 304A1046E1220	1
55	C9,66	CEUSM1E470 CE capacitor	25V 47 μ 304A1041E1470	1
56	C11,12	CEUSM1H100 CE capacitor	50V 10 μ 304A1041H1100	2
57	C15	50MS5-10M CE capacitor	50V 10 μ 304A1046H1100	1
58	C14	SRC50VB-680(M) CE capacitor	50V 680 μ 304A1035H1681	1
59	C6	CEUSM1A101 CE capacitor	10V 100 μ 304A1041A1101	1
60	Q8,9	464P-12 MOS-D-RAM	802A2003M8302	2
61	Q12	5128-20GS/5517CFL-20 MOS-S-RAM	(SO) 804A0003N4302	1
62	Q4	74LS02FP BIP digital IC	(SO) 700A0503N0002	1
63	Q14	SN74LS06NS BIP digital IC	(SO) 700A0550N0006	1
64	Q5	SN74LS10NS BIP digital IC	(SO) 700A0550N0010	1
65	Q1	SN74LS244NS BIP digital IC	(SO) 700A0550N0244	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 8 PCB version 8

For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
66	Q6,15	NJM2901M/UPC339G2 BIP linear IC (SO)	720A0503N0007	2
67	Q7	MSM80C154VGS-V1K-1 MOS-CPU (FP)	851A0124N0013	1
68	Q11	MSM6990GS-V1K MOS digital IC (FP)	702A2024N0003	1
69	TR106	2SA1331 PNP-HF-TR (CP)	600A1032N0002	1
70	TR19	2SC3361 NPN-HF-TR (CP)	602A1032N0002	1
71	TR107	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
72	TR11,13,104, 111	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	4
73	TR14,15,20, 109,118,120	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	6
74	TR17	2SC2713 NPN-HF-TR (CP)	602A1025N0050	1
75	TR3	2SD1472 NPN-LF-TR (CP)	603A1121N0007	1
76	TR1	2SB1123 PNP-LF-TR (CP)	601A1032N0002	1
77	TR5	2SB882 PNP-LF-TR	601A1132M0003	1
78	Q2,3	M54661P/LB1731 BIP-INF-IC	710A2003M0001	2
79	Q10	M54646P BIP linear IC	720A1822M0002	1
80	MTDV	HA13412 BIP linear IC	720A4021E0004	1
81	BAT	CR2430-FI6 Lithium battery	455A3027P0001	1
82	L1	OL1614-102KR70 (D) H coil	353A3002K0102	1
83	SP1,3	FFC-3AMEP1 FC connector	225A3123P0030	2
84	CN1	AK-127S15D PC connector	224A1156P0150	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (6/7) REV. 8 PCB version 8

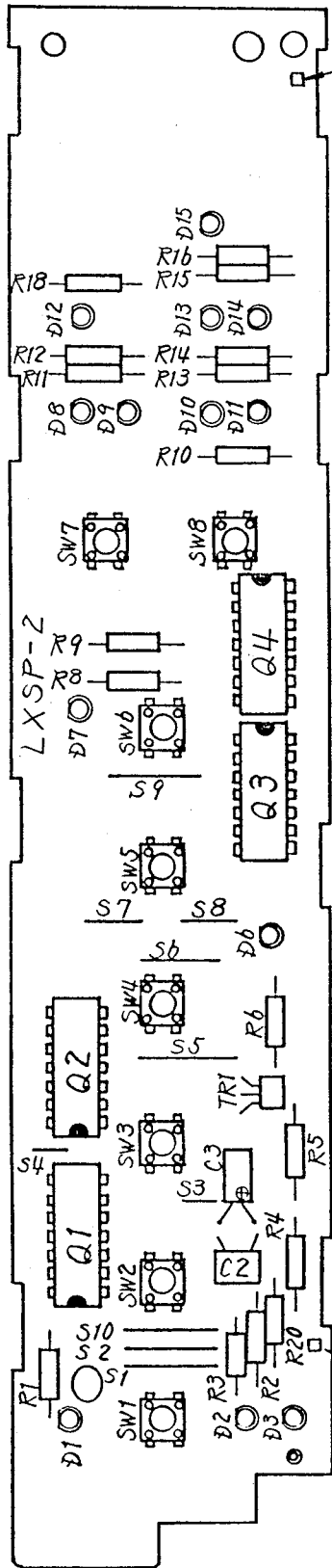
For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
85	CN2	Z-355S PC connector	224A3198P0240	1
86	CN3	MCR69-30D-2.54DS PC connector	224A1052P0300	1
87	CN5	57LE-40360-7300 (D53) Square connector	220A1423P0361	1
88	CN8	DF1B-12P-2.5DSA	224A3716P0120	1
89	CN4	TCS7688-01-201 Round connector	221A1622P0081	1
90	3	DIC-252 PC connector	224A3182P0020	1
91	PE	EE-SX1054 Photosensor	651A0127M0001	1
92	Q13	DL2-28A-05 IC socket	245A1155P0280	1
93	L5,7,8	ZBF253D-01 Beads filter	377A1115P1309	3
94	L2,4,6	DST306-55F103Z EMI filter	342A1004P2103	3
95	OSC	FAR-C4SB16000000M12C Piezoelectric vibrator	381A2001B0005	1
96	BASW	MSW-1731CVC Leaf switch	218A7050P0001	1
97	F1	251-001 Fuse	540A2208S1102	1
98	S10,11	JPW02 Jumper wire	321A1520P0001	2
99	EB1	Power supply bar L=22.86 P=22.86 N=2	3LH-31313-15	1
100	EB2,4	Power supply bar	4PP4021-1064P002	2
101	EB7	Power supply bar L=22.86	3LH-31313-164	1
102	EB5	Power supply bar L=30.48 P=30.48 N=2	3LH-31313-117	1

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 8 PCB version 8

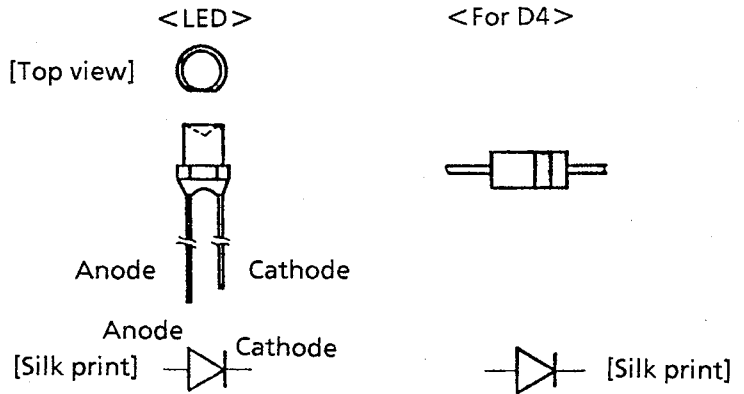
For: G103, 203, 205

No.	Symbol	Type/Name	Part No.	Q'ty
103	EB6,8	Power supply bar L=45.72 P=15.24 N=4	3LH-31313-5	2
104	EB3	Power supply bar L=15.24 P=15.24 N=2	3LH-31313-13	1



PCB version NO.

(Note 1) The LED (D1-D18) should be mounted, matching the polarity to the silk-printed patterns as shown below.



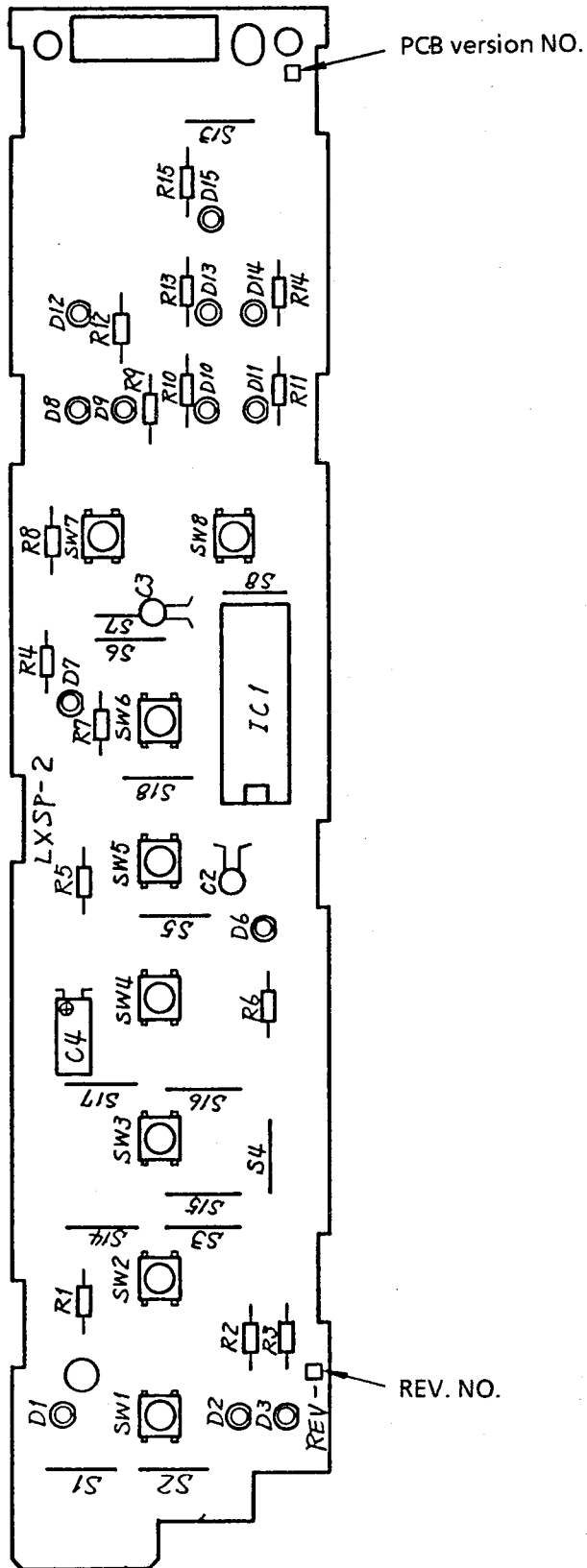
LXSP-2-Printed Circuit Board (4YA4021-1048G2) 1/2 REV. 3, PCB version 3

LXSP-2-Printed Circuit Board (4YA4021-1048G2) 2/2 (1/2) REV. 3 PCB version 3

No.	Symbol	Type/Name	Part No.	Q'ty
1	R10,13,14,16	RD1/4Y100ΩJ RD resistor	321A1421J0101	4
2	R1-3,6,8,11, 12,15,18	RD1/4Y150ΩJ RD resistor	321A1421J0151	9
3	R4,9	RD1/4Y5.6KΩJ RD resistor	321A1421J0562	2
4	R5,20	RD1/4Y51KΩJ RD resistor	321A1421J0513	2
5				
6	C2	FK26Y5R1H101M CK capacitor	50V 100P 303A4010M3101	1
7	C3	16MS5-22M CE capacitor	16V 22μ 304A1046C1220	1
8				
9	Q2,4	74LS06P BIP digital IC	700A0503M0006	2
10	Q1,3	74LS164P SR memory IC	820A0003M3013	2
11				
12	TR1	DTC114ES NPN-HF-TR	602A1035M0007	1
13				
14	D2	GL3HD47 LED	650A0128M0022	1
15	D1,3,6-15	GL3HY47 LED	650A0228M0007	12
16				
17	SW1-8	B3F-1000 Push-button switch	205A1179P1000	8
18				
19	S3,4	Shorting wire (U type) 0.65 P=5.0	5KH-31036-50	2
20	S7,8	Shorting wire (U type) 0.65 P=7.5	5KH-31036-75	2

LXSP-2-Printed Circuit Board (4YA4021-1048G2) 2/2 (2/2) REV. 3 PCB version 3

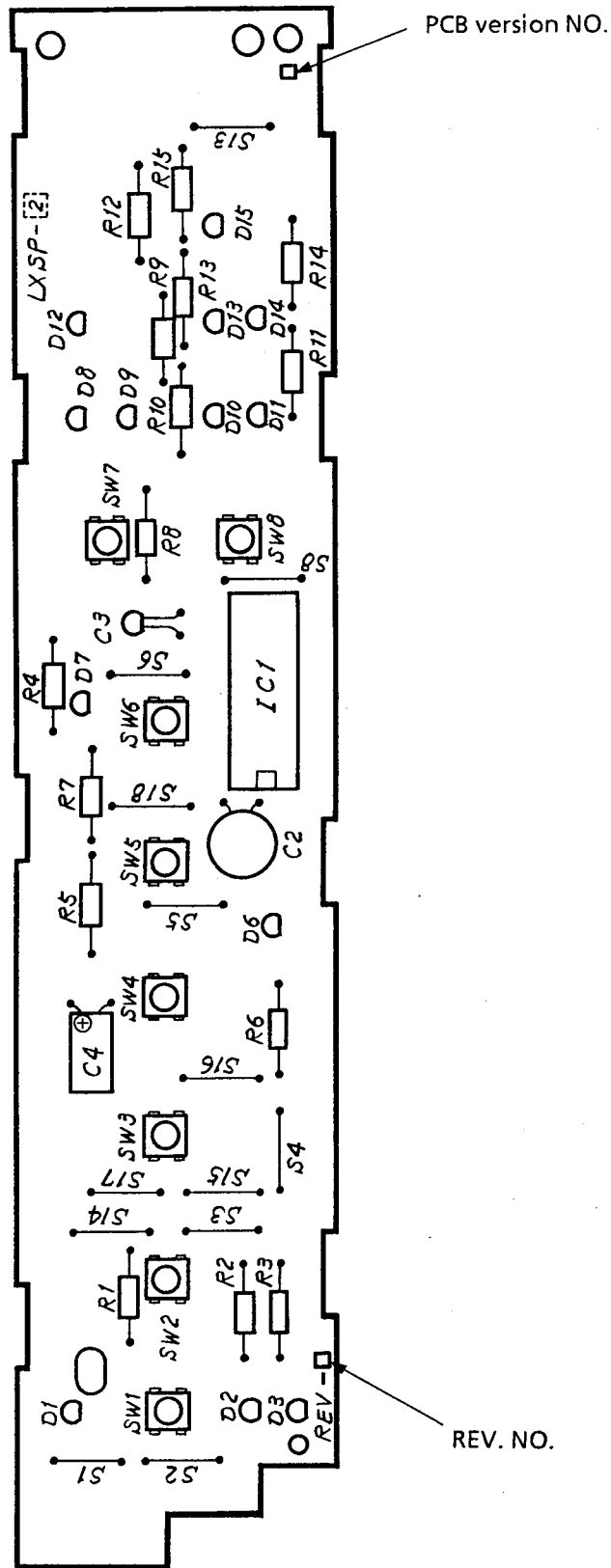
No.	Symbol	Type/Name	Part No.	Q'ty
21	S6	Shorting wire (U type) 0.65 P=10	5KH-31036-100	1
22	S1,2,5,9,10	Shorting wire (U type) 0.65 P=12.5	5KH-31036-125	5
23				
24				
25				



LXSP-2-Printed Circuit Board (4YA4021-1048G2) 1/2 REV. 4, 6, PCB version 4, 6

LXSP-2-Printed Circuit Board (4YA4021-1048G2) 2/2 REV. 4, 6 PCB version 4, 6

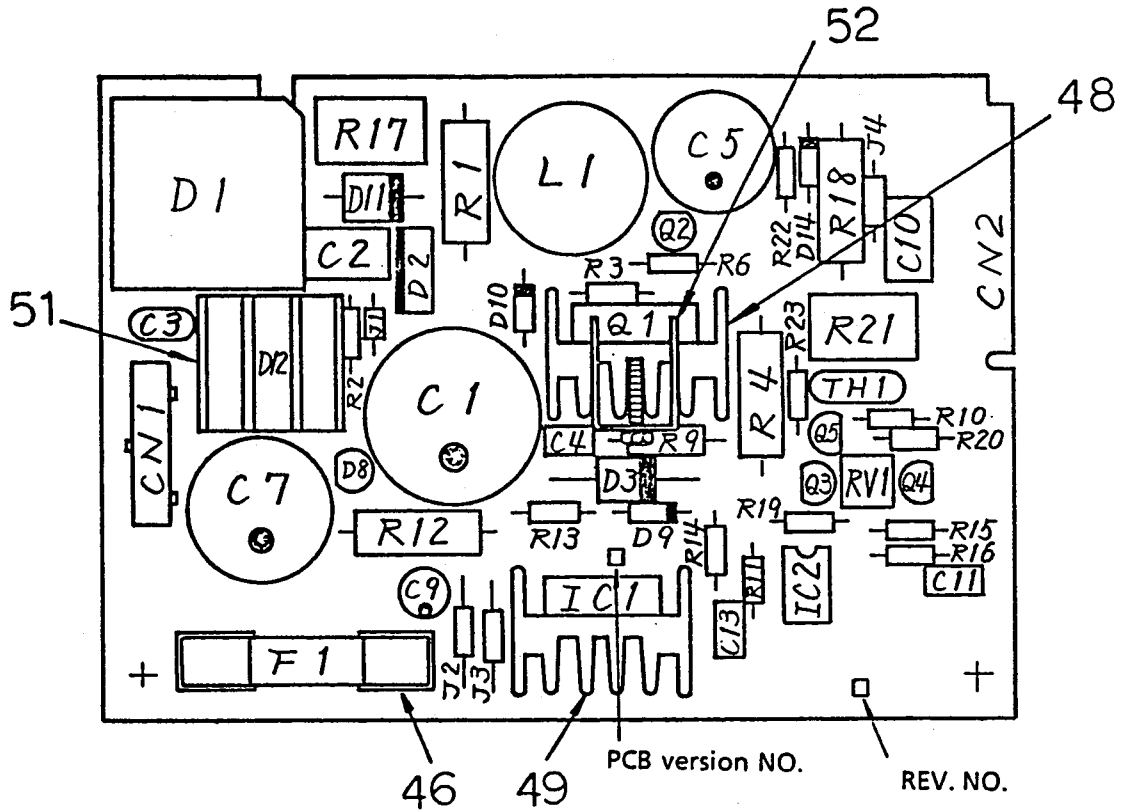
No.	Symbol	Type/Name	Part No.	Q'ty
1	R10,11,13,15	RD1/4Y68ΩJ RD resistor	321A1421J0680	4
2	R1,2,6-9,12, 14	RD1/4Y110ΩJ RD resistor	321A1421J0111	8
3	R3	RD1/4Y150ΩJ RD resistor	321A1421J0151	1
4	R4,5	RD1/4Y5.6KΩJ RD resistor	321A1421J0562	2
5				
6				
7	SW1-8	B3F-1000 Push button switch	205A1179P1000	8
8	C4	CEUSM1H100 50V CE capacitor 10μ	304A1041H1100	1
9	C3	TCK45B1H101KYA 50V CK capacitor 100P	302A4027K3101	1
10	C2	TCK45F2E103ZYA 250V CK capacitor 10000P	302A4027Z5103	1
11	S1-8,13-18	Short wire (U type) P=10	5KH-31036-100	14
12	D1,3,6-15	GL3HY47-B.C (LT3H477) LED	650A0228M0007	12
13	D2	GL3HD47 LED	650A0128M0022	1
14	IC1	MSM59371RS CPU-INF-IC	855A0824F0014	1



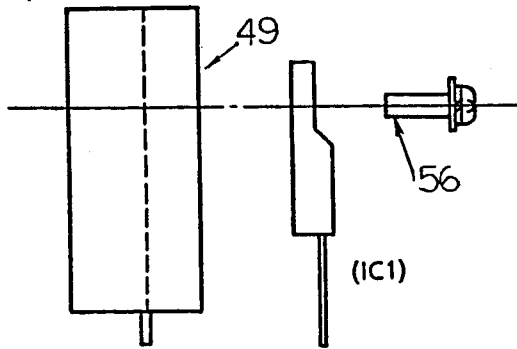
LXSP-2-Printed Circuit Board (4YA4021-1048G2) 1/2 REV. 5 PCB version 5
(for only Europe (OKI-UK))

LXSP-2-Printed Circuit Board (4YA4021-1048G2) 2/2 REV. 5 PCB version 5

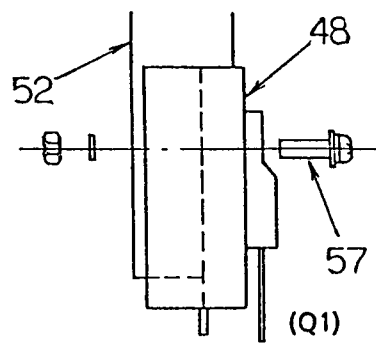
No.	Symbol	Type/Name	Part No.	Q'ty
1	R10,11,13,15	RD1/4Y68ΩJ RD resistor	321A1421J0680	4
2	R1,2,6-9,12,14	RD1/4Y110ΩJ RD resistor	321A1421J0111	8
3	R3	RD1/4Y150ΩJ RD resistor	321A1421J0151	1
4	R4,5	RD1/4Y5.6KΩJ RD resistor	321A1421J0562	2
5				
6				
7	SW1-8	B3F-1000 Push button switch	205A1179P1000	8
8	C4	CEUSM1H100 50V CE capacitor 10μ	304A1041H1100	1
9	C3	TCK45B1H101KYA 50V CK capacitor 100P	302A4027K3101	1
10	C2	TCK45F2E103ZYA 250V CK capacitor 10000P	302A4027Z5103	1
11	S1-6,8,13-18	Short wire (U type) P=10	5KH-31036-100	13
12	D1,3,6-15	GL3HY47-B.C (LT3H477) LED	650A0228M0007	12
13	D2	GL3HD47 LED	650A0128M0022	1
14	IC1	MSM59371RS CPU-INF-IC	855A0824F0014	1



(Note 1) Details for mounting the IC1.



(Note 2) Details for mounting the Q1.



PAII-Printed Circuit Board (3YU5057-3219G2) 1/2 REV2. PCB version 4

PAII-Printed Circuit Board (3YU5057-3219 G2) 2/2 (1/3) REV. 2 PCB version 4

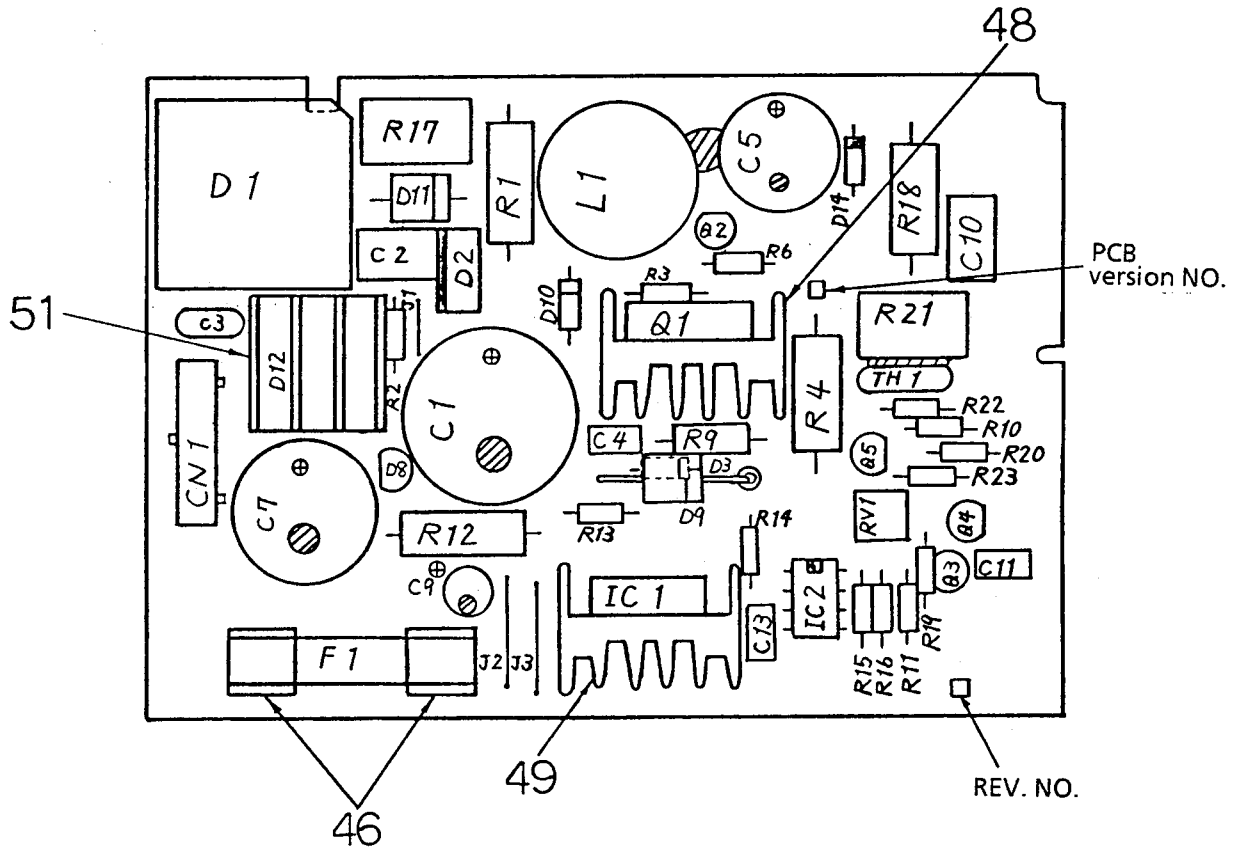
No.	Symbol	Type/Name	Part No.	Q'ty
1	D1	RB602 Stack	4FP-24374-2	1
2	D2	CR8AMW8 SCR	4FP-24388	1
3	D3	ERC35-02 DI	4FP-24383	1
4	D14	RD20EB Zener DI	4FP-24005-16	1
5	D8	1SS229 DI	4FP-24173	1
6	D9	RD56E-B Zener DI	4FP-24005-3	1
7	D10	RD39E-B6 or B7 Zener DI	4FP-24005-55	1
8	D11	ERC01-02 DI	4FP-24377	1
9	D12	RB402 Stack	4FP-24374-1	1
10	TH1	5D-11 Thermistor	4FP-14512-8	1
11	R1	2W 7.5K RN resistor	4FP-22075-752	1
12	R4	2W 5.6K RN resistor	4FP-22075-562	1
13	(Missing number)			
14	R9	1/2W 100 RD resistor	4LP-8447-101	1
15	R12	2W 39 RN resistor	4FP-22075-390	1
16	R18	2W 3K RN resistor	4FP-22075-302	1
17	R22,23	1/4W 10K RD resistor	4LP-8446-103	2
18	R2	1/4W 1.2K RD resistor	4LP-8446-122	1

PAII-Printed Circuit Board (3YU5057-3219 G2) 2/2 (2/3) REV. 2 PCB version 4

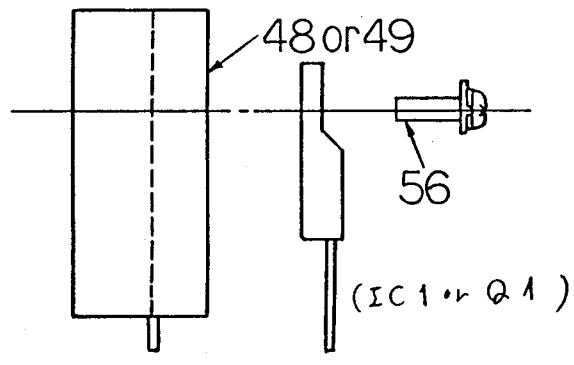
No.	Symbol	Type/Name	Part No.	Q'ty
19	R3,14,15	1/4W 560 RD resistor	4LP-8446-561	3
20	R13,16	1/4W 100 RD resistor	4LP-8446-101	2
21	R6	1/4W 220 RD resistor	4LP-8446-221	1
22	R10	1/4W 27KF RD resistor	323A1222F0273	1
23	R11	1/4W 820F RD resistor	323A1222F0821	1
24	R19	1/4W 430 RD resistor	4LP-8446-431	1
25	R17	5W 10 SQ resistor	4FP-22091-100	1
26	R21	5W 0.2 SQ resistor	4FP-22091-8	1
27	R20	1/4W 1.5K RD resistor	4LP-8446-152	1
28	RV1	1/2W 200Ω Volume	4FP-22087-201	1
29	C1	80V 3300μ CE capacitor	4FP-23131	1
30	C5	50V 1000μ CE capacitor	4FP-23124-69	1
31	C7	16V 8200μ CE capacitor	4FP-23132	1
32	C9	10V 100μ CE capacitor	4FP-23012-12	1
33	C2,10	100V 0.1μ CQ capacitor	4FP-23044-47	2
34	C11	100V 0.01μ CQ capacitor	4FP-23044-41	1
35	C13	100V 0.0015μ CQ capacitor	4FP-23044-36	1
36	C3	10000P CK capacitor	302A4027Z5103	1
37	C4	100V 0.001μ CQ capacitor	4FP-23044-35	1

PAII-Printed Circuit Board (3YU5057-3219 G2) 2/2 (3/3) REV. 2 PCB version 4

No.	Symbol	Type/Name	Part No.	Q'ty
38	(Missing number)			
39	Q1	2SB1382 Transistor	4FP-24378	1
40	Q2-5	2SC2719 Transistor	4LP-44335	4
41	FB1	B-20L-48B EMC bead	4FP-21542-6	1
42	L1	SK-21P-060-550 Coil	4FP-21566	1
43	IC1	ST3052V 3-pin regulator	4FP-25074-1	1
44	IC2	M5291P IC	4FP-25129	1
45	F1	250V 2A Fuse	540A2052M2202	1
46		Fuse clip	4FP-21069	2
47				
48		Heat sink	4FP-14110-2	1
49		Heat sink	4FP-14110-4	1
50	CN1	8P Spring header	4FP-12836-8	1
51		Heat sink	4FP-14133	1
52		Stopper plate	4PP4025-2930P1	1
53	J2,3	Shorting wire P=15	4FP-22079-5	2
54	J1	Shorting wire P=7.5	4FP-22079-2	1
55	J4,5	Shorting wire P=10	4FP-22079-3	2
56		Screw	+P(SW+2W)3-12-HHC	2
57		Screw	+P(SW+2W)3-20-HHC	1
58		Spring washer	SW3-HHC	1
59		Lock nut	1N3-HHC	1



(Note 1) Details for mounting the IC1.



PAII-Printed Circuit Board (3YU5057-3219G2) 1/2 REV2. PCB version 7, 8

PAII-Printed Circuit Board (3YU5057-3219 G2) 2/2 (1/3) REV. 2 PCB version 7, 8

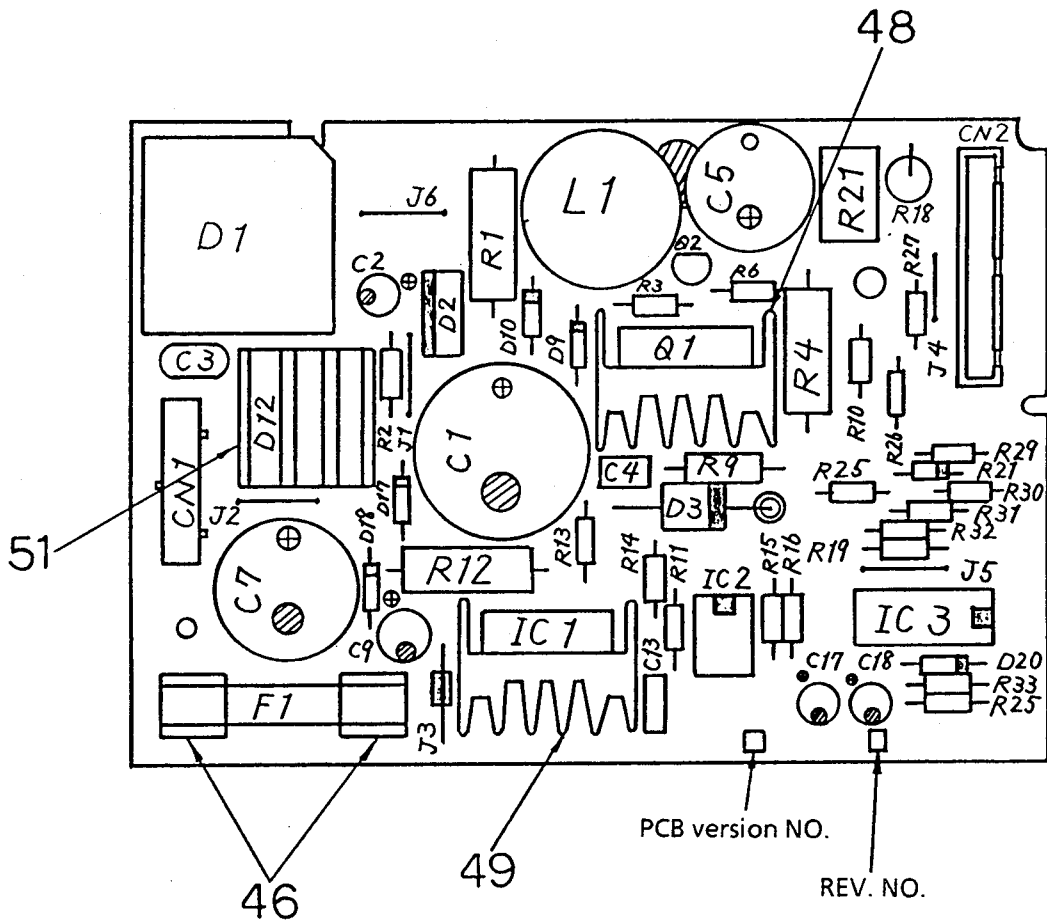
No.	Symbol	Type/Name	Part No.	Q'ty
1	D1	RB602 or S5VB20 Stack	4FP-24462	1
2	D2	CR8AMW8 or TF821M or 8P2M SCR	4FP-24459	1
3	D3	ERC35-02 or RG4Z DI	4FP-24460	1
4	D14	RD20EB Zener DI	4FP-24005-16	1
5	D8	1SS229 DI	4FP-24173	1
6	D9	RD56E-B Zener DI	4FP-24005-3	1
7	D10	RD39E-B6 or B7 Zener DI	4FP-24005-55	1
8	D11	ERC01-02 DI	4FP-24377	1
9	D12	RB402 or S4VB20 Stack	4FP-24459	1
10	TH1	5D-11 Thermistor	4FP-14512-8	1
11	R1	2W 7.5K RN resistor	4FP-22075-752	1
12	R4	2W 5.6K RN resistor	4FP-22075-562	1
13	(Missing number)			
14	R9	1/2W 100 RD resistor	4LP-8447-101	1
15	R12	2W 39 RN resistor	4FP-22075-390	1
16	R18	2W 3K RN resistor	4FP-22075-302	1
17	R22,23	1/4W 10K RD resistor	4LP-8446-103	2
18	R2	1/4W 1.2K RD resistor	4LP-8446-122	1

PAII-Printed Circuit Board (3YU5057-3219 G2) 2/2 (2/3) REV. 2 PCB version 7, 8

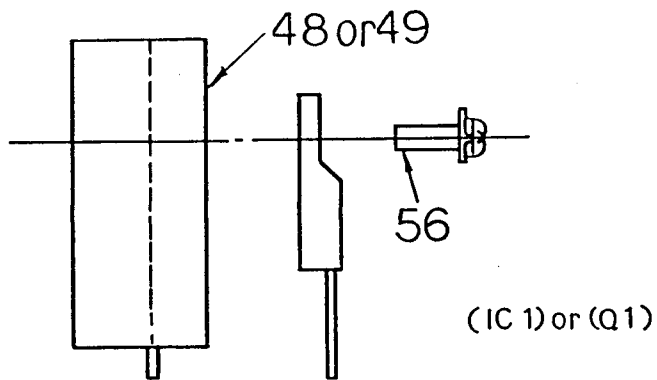
No.	Symbol	Type/Name	Part No.	Q'ty
19	R3,14,15	1/4W 560 RD resistor	4LP-8446-561	3
20	R13,16	1/4W 100 RD resistor	4LP-8446-101	2
21	R6	1/4W 220 RD resistor	4LP-8446-221	1
22	R10	1/4W 27KF RD resistor	323A1222F0273	1
23	R11	1/4W 820F RD resistor	323A1222F0821	1
24	R19	1/4W 430 RD resistor	4LP-8446-431	1
25	R17	5W 10 SQ resistor	4FP-22091-100	1
26	R21	5W 0.2 SQ resistor	4FP-22091-8	1
27	R20	1/4W 1.5K RD resistor	4LP-8446-152	1
28	RV1	1/2W 200Ω Volume	4FP-22087-201	1
29	C1	80V 3300μ CE capacitor	4FP-23131	1
30	C5	50V 1000μ CE capacitor	4FP-23124-69	1
31	C7	16V 8200μ CE capacitor	4FP-23132	1
32	C9	10V 100μ CE capacitor	4FP-23012-12	1
33	C2,10	100V 0.1μ CQ capacitor	4FP-23044-47	2
34	C11	100V 0.01μ CQ capacitor	4FP-23044-41	1
35	C13	100V 0.0015μ CQ capacitor	4FP-23044-36	1
36	C3	10000P CK capacitor	302A4027Z5103	1
37	C4	100V 0.001μ CQ capacitor	4FP-23044-35	1

PAII-Printed Circuit Board (3YU5057-3219 G2) 2/2 (3/3) REV. 2 PCB version 7, 8

No.	Symbol	Type/Name	Part No.	Q'ty
38	(Missing number)			
39	Q1	2SB1382 Transistor	4FP-24378	1
40	Q2-5	2SC2719 Transistor	4LP-44335	4
41	FB1	B-20L-48B EMC bead	4FP-21542-6	1
42	L1	SK-21P-060-550 Coil	4FP-21566	1
43	IC1	ST3052V 3-pin regulator	4FP-25074-1	1
44	IC2	M5291P IC	4FP-25129	1
45	F1	250V 2A Fuse	4FP-21107-2	1
46		Fuse clip	4FP-21069	2
47				
48		Heat sink	4FP-14110-5	1
49		Heat sink	4FP-14110-4	1
50	CN1	8P Spring header	4FP-12836-8	1
51		Heat sink	4FP-14133	1
52				
53	J2,3	Shorting wire P=15	4FP-22079-5	2
54	J1	Shorting wire P=7.5	4FP-22079-2	1
55	J4,5	Shorting wire P=10	4FP-22079-3	2
56		Screw	+P(SW+2W)3-12-HHC	3
57				
58				
59				



(Note 1) Details for mounting the IC1.



SUII-Printed Circuit Board (3YU5057-3311G2) 1/2 REV2. PCB version 1

SUII-Printed Circuit Board (3YU5057-3311 G2) 2/2 (1/3) REV. 2 PCB version 1

No.	Symbol	Type/Name	Part No.	Q'ty
1	D1	RB602 or S5VB20 DI-Bridge	4FP-24462	1
2	D12	RB402 or S4VB20 DI-Bridge	4FP-24461	1
3	D3	ERC35-02 or RG4Z DI	4FP-24460	1
4	D17,18,20,21	1S2075K or 1S1588 or 1S953 DI	4FP-24207	4
5	D9	RD5.6EB Zener DI	4FP-24005-3	1
6	D10	RD39EB6 or B7 Zener DI	4FP-24005-55	1
7	D2	TF821M or CR8AMW8 or 8P2M Thyristor	4FP-24459	1
8	R13,16	1/4W 100 RD resistor	4LP-8446-101	2
9	R6	1/4W 220 RD resistor	4LP-8446-221	1
10	R19	1/4W 430 RD resistor	4LP-8446-431	1
11	R3,14,15	1/4W 560 RD resistor	4LP-8446-561	3
12	R2	1/4W 1.2K RD resistor	4LP-8446-122	1
13	R29	1/4W 3K RD resistor	4LP-8446-302	1
14	R28	1/4W 10K RD resistor	4LP-8446-103	1
15	R27	1/4W 27K RD resistor	4LP-8446-273	1
16	R33	1/4W 680K RD resistor	4LP-8446-684	1
17	R31	1/4W 130 RD resistor	323A1222F0131	1
18	R11	1/4W 820 RD resistor	323A1222F0821	1

SUII-Printed Circuit Board (3YU5057-3311 G2) 2/2 (2/3) REV. 2 PCB version 1

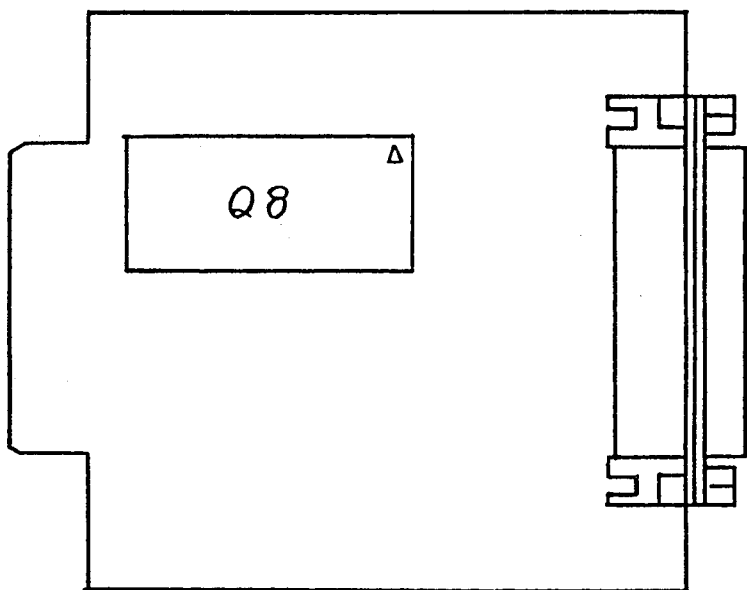
No.	Symbol	Type/Name	Part No.	Q'ty
19	R26	1/4W 910 RD resistor	323A1222F0911	1
20	R25	1/4W 1.3K RD resistor	323A1222F0132	1
21	R30,32	1/4W 3K RD resistor	323A1222F0302	2
22	R10	1/4W 27K RD resistor	323A1222F0273	1
23	R9	1/2W 100 RN resistor	4FP-22113-101	1
24	R12	2W 39 RN resistor	4FP-22115-390	1
25	R4	2W 5.6K RN resistor	4FP-22115-562	1
26	R1	2W 7.5K RN resistor	4FP-22115-752	1
27	R18	2W 3K RN resistor	4FP-22068-302	1
28	R21	5W 0.2 SQ resistor	4FP-22108-8	1
29	C4	100V 0.001 μ CQ capacitor	4FP-23044-35	1
30	C13	100V 0.0015 μ CQ capacitor	4FP-23044-36	1
31	C3	250V 0.01 μ CK capacitor	302A4027Z5103	1
32	C2	50V 1 μ CE capacitor	4FP-23012-57	1
33	C17,18	50V 10 μ CE capacitor	4FP-23012-61	2
34	C9	10V 100 μ CE capacitor	4FP-23012-12	1
35	C5	50V 1000 μ CE capacitor	4FP-23140	1
36	C1	80V 3300 μ CE capacitor	4FP-23139	1
37	C7	16V 8200 μ CE capacitor	4FP-23141	1

SUII-Printed Circuit Board (3YU5057-3311 G2) 2/2 (3/3) REV. 2 PCB version 1

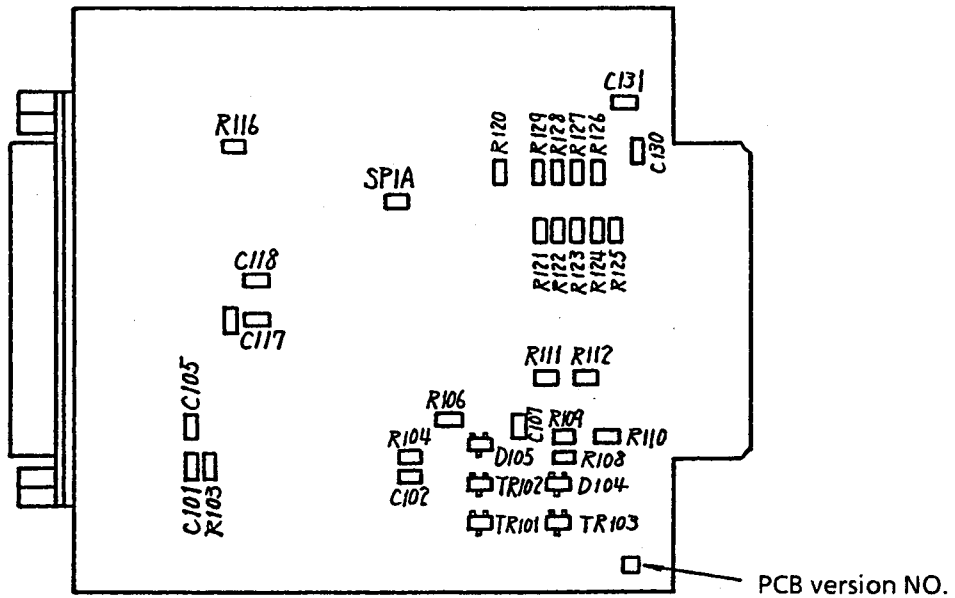
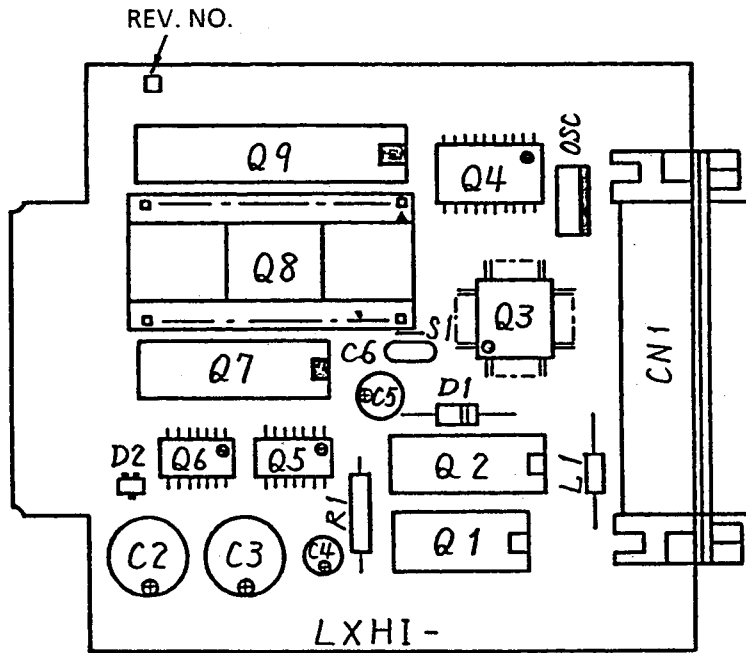
No.	Symbol	Type/Name	Part No.	Q'ty
38	Q1	2SB1382 or 2SB1420 Transistor	4FP-24494	1
39	Q2	2SC1627 or 2SC2719 Transistor	4LP-24486	1
40	FB1	B-20L-48B EMC bead	4FP-21542-6	1
41	L1	SK-21P-060-550 Coil	4FP-21566	1
42	IC1	SI3052V 3-pin regulator	4FP-25074	1
43	IC2	M5291P Regulator controller IC	4FP-25129	1
44	IC3	μ PC339C or NJM2901 Comparator IC	4FP-25166	1
45	F1	MGC-2 or 61NM020H Fuse	4FP-21107-2	1
46	FH1	TS-01-P-SN Fuse holder	4FP-21069	2
47				
48	H1	Heat sink	4FP-14110-5	1
49	H2	Heat sink	4FP-14110-4	1
50	CN1	172681-8 Connector	4FP-12836-8	1
51	H3	Heat sink	4FP-14133	1
52	J1,2,4,5	Jumper wire	4FP-22079-3	4
53	J3,6	Jumper wire	4FP-22079-4	2
54				
55				
56		Screw	+P(SW+2W)3-12-HHC	3

Table of ROM classification according to G. NO.

G. NO.	ROM NO.	ROM code NO.	ROM code NO.	Use	Remarks
001	Q8	4YR4064-7073G1	64-7073	ODA/ODG	Factory option
002	Q8	4YR4064-7073G1	64-7073	ODA	Single unit supply
003	Q8	4YR4064-7073G1	64-7073	ODG	Single unit supply



RS-232C (LXHI)-Printed Circuit Board (4YA4021-1050GXXX) 1/2 (1/2)



RS-232C (LXHI)-Printed Circuit Board (4YA4021-1050GXXX) 1/2 (2/2)
REV. 2 PCB version 2

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (1/3) REV.2 PCB version 2

No.	Symbol	Type/Name	Part No.	Q'ty
1				
2				
3	D2	MA153 Signal DI (CP)	611A0029N0004	1
4	D104,105	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	2
5	D1	RD10F-B Zener DI	613A2232L0182	1
6				
7	R115	RM73B2B102J RN resistor (CP)	323A5015J0102	1
8	R104	RM73B2B122J RN resistor (CP)	323A5015J0122	1
9	R103,109,110	RM73B2B242J RN resistor (CP)	323A5015J0242	3
10	R111,112,116 120-129	RM73B2B103J RN resistor (CP)	323A5015J0103	13
11	R106	RM73B2B203J RN resistor (CP)	323A5015J0203	1
12	R108	RM73B2B474J RN resistor (CP)	323A5015J0474	1
13	R1	RD1/2Y150ΩJ RD resistor (CP)	321A1431J0151	1
14				
15	C101,102,105 107,117,118 130,131	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	8
16				
17	C6	RPE123-127F105Z25 25V CK capacitor 1.0μ	303A4117Z2105	1
18	C5	CEUSM1E470 25V CE capacitor 47μ	304A1041E1470	1
19	C2,3	CEUSM1E221 25V CE capacitor 220μ	304A1041E1221	2
20	C4	CEUSM2A010 100V CE capacitor 1.0μ	304A1041A2109	1

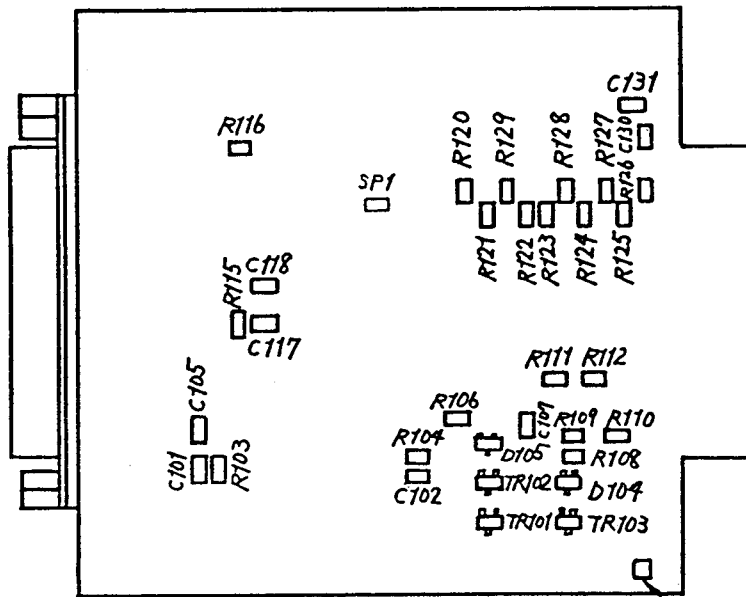
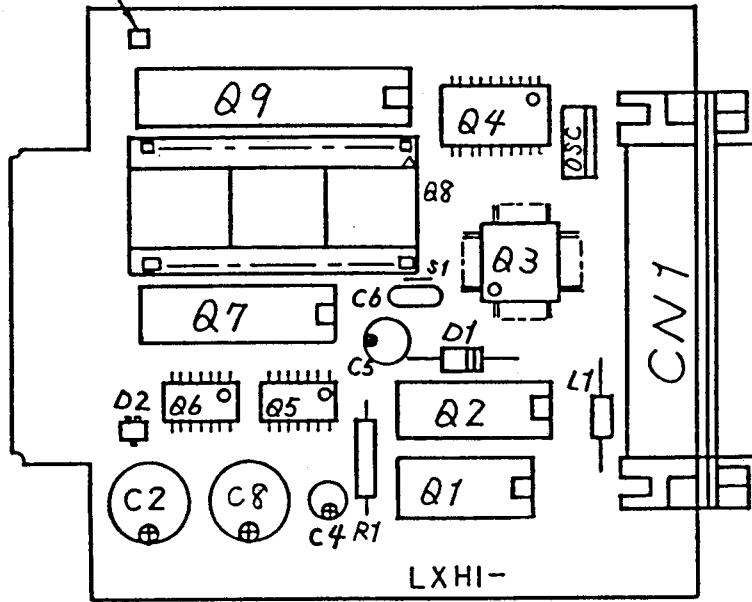
LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (2/3) REV.2 PCB version 2

No.	Symbol	Type/Name	Part No.	Q'ty
21				
22	Q6	SN74LS05NS BIP digital IC (SO)	700A0550N0005	1
23	Q5	SN74LS32NS BIP digital IC (SO)	700A0550N0032	1
24	Q4	SN74LS373NS BIP digital IC (SO)	700A0550N0373	1
25	Q7	74LS245P BIP digital IC	700A0503M0245	1
26	Q2	75154P BIP-INF-IC	710A0003M0154	1
27	Q1	75188P BIP-INF-IC	710A0003M0188	1
28				
29				
30	Q3	MSM80C31FGS-V1K MOS-CPU (FP)	851A0124N0011	1
31	Q9	HM6264ALSP-15 MOS-S-RAM	804A0021M6335	1
32				
33	Q8	DL2-28A-05 IC socket	245A1155P0280	1
34				
35	TR101	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	1
36	TR103	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
37	TR102	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	1
38				
39				
40	OSC	FAR-C4SB11059000-M02 Oscillator	4LP-12186-1	1
41	S1	Shorting wire (U type) 0.65 P=2.5	5KH-31036-25	1

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (3/3) REV.2 PCB version 2

No.	Symbol	Type/Name	Part No.	Q'ty
42	SP1	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
43				
44	CN1	D25S-LLD-hexagon(#4-40) Square connector	220A0121P0250	1
45				
46	L1	FBA04HA900KF-00 Beads core	105A1222C1001	1

REV. NO.



PCB version NO.

RS-232C (LXHI)-Printed Circuit Board (4YA4021-1050GXXX) 1/2 (2/2)
REV. 3 PCB version 3

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (1/3) REV.3 PCB version 3

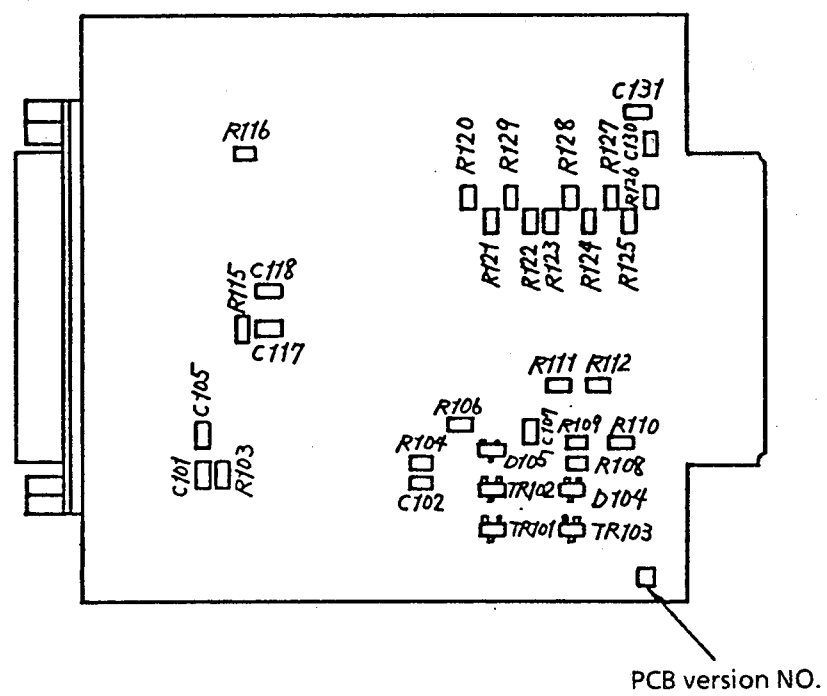
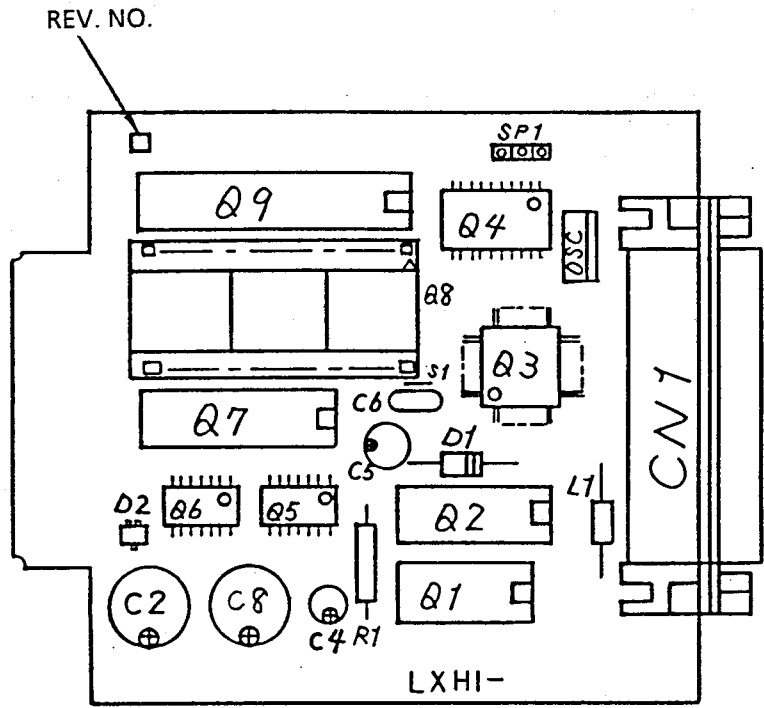
No.	Symbol	Type/Name	Part No.	Q'ty
1				
2				
3	D2	MA153 Signal DI (CP)	611A0029N0004	1
4	D104,105	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	2
5	D1	RD10F-B Zener DI	613A2232L0182	1
6				
7	R115	RM73B2B102J RN resistor (CP)	323A5015J0102	1
8	R104	RM73B2B122J RN resistor (CP)	323A5015J0122	1
9	R103,109,110	RM73B2B242J RN resistor (CP)	323A5015J0242	3
10	R111,112,116 120-129	RM73B2B103J RN resistor (CP)	323A5015J0103	13
11	R106	RM73B2B203J RN resistor (CP)	323A5015J0203	1
12	R108	RM73B2B474J RN resistor (CP)	323A5015J0474	1
13	R1	RD1/2Y150ΩJ RD resistor (CP)	321A1431J0151	1
14				
15	C101,102,105 107,117,118 130,131	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	8
16				
17	C6	RPE123-127F105Z25 25V CK capacitor 1.0μ	303A4117Z2105	1
18	C5	CEUSM1E470 25V CE capacitor 47μ	304A1041E1470	1
19	C2,3	CEUSM1E221 25V CE capacitor 220μ	304A1041E1221	2
20	C4	CEUSM2A010 100V CE capacitor 1.0μ	304A1041A2109	1

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (2/3) REV.3 PCB version 3

No.	Symbol	Type/Name	Part No.	Q'ty
21				
22	Q6	SN74LS05NS BIP digital IC (SO)	700A0550N0005	1
23	Q5	SN74LS32NS BIP digital IC (SO)	700A0550N0032	1
24	Q4	SN74LS373NS BIP digital IC (SO)	700A0550N0373	1
25	Q7	74LS245P BIP digital IC	700A0503M0245	1
26	Q2	75154P BIP-INF-IC	710A0003M0154	1
27	Q1	75188P BIP-INF-IC	710A0003M0188	1
28				
29				
30	Q3	MSM80C31FGS-V1K MOS-CPU (FP)	851A0124N0011	1
31	Q9	HM6264ALSP-15 MOS-S-RAM	804A0021M6335	1
32				
33	Q8	DL2-28A-05 IC socket	245A1155P0280	1
34				
35	TR101	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	1
36	TR103	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
37	TR102	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	1
38				
39				
40	OSC	FAR-C4SB11059000-M02 Oscillator	4LP-12186-1	1
41	S1	Shorting wire (U type) 0.65 P=2.5	5KH-31036-25	1

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (3/3) REV.3 PCB version 3

No.	Symbol	Type/Name	Part No.	Q'ty
42	SP1	MCR18-JPW Chip jumper (CP)	323A5011P0001	1
43				
44	CN1	D25S-LLD-hexagon(#4-40) Square connector	220A0121P0250	1
45				
46	L1	FBA04HA900KF-00 Beads core	105A1222C1001	1



RS-232C (LXHI)-Printed Circuit Board (4YA4021-1050GXXX) 1/2 (2/2)
REV. 4 PCB version 4

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (1/3) REV.4 PCB version 4

No.	Symbol	Type/Name	Part No.	Q'ty
1				
2				
3	D2	MA153 Signal DI (CP)	611A0029N0004	1
4	D104,105	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	2
5	D1	RD10F-B Zener DI	613A2232L0182	1
6				
7	R115	RM73B2B102J RN resistor (CP)	323A5015J0102	1
8	R104	RM73B2B122J RN resistor (CP)	323A5015J0122	1
9	R103,109,110	RM73B2B242J RN resistor (CP)	323A5015J0242	3
10	R111,112,116 120-129	RM73B2B103J RN resistor (CP)	323A5015J0103	13
11	R106	RM73B2B203J RN resistor (CP)	323A5015J0203	1
12	R108	RM73B2B474J RN resistor (CP)	323A5015J0474	1
13	R1	RD1/2Y150ΩJ RD resistor (CP)	321A1431J0151	1
14				
15	C101,102,105 107,117,118 130,131	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	8
16				
17	C6	RPE123-127F105Z25 25V CK capacitor 1.0μ	303A4117Z2105	1
18	C5	CEUSM1E470 25V CE capacitor 47μ	304A1041E1470	1
19	C2,3	CEUSM1E221 25V CE capacitor 220μ	304A1041E1221	2
20	C4	CEUSM2A010 100V CE capacitor 1.0μ	304A1041A2109	1

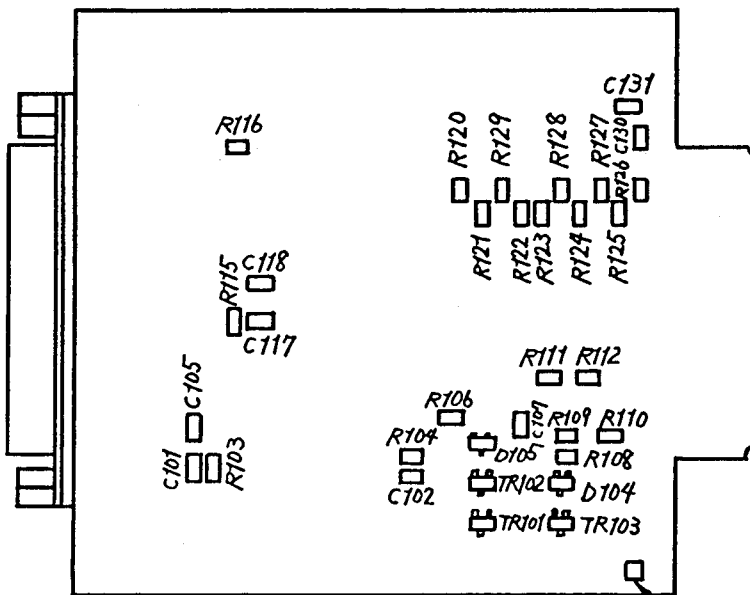
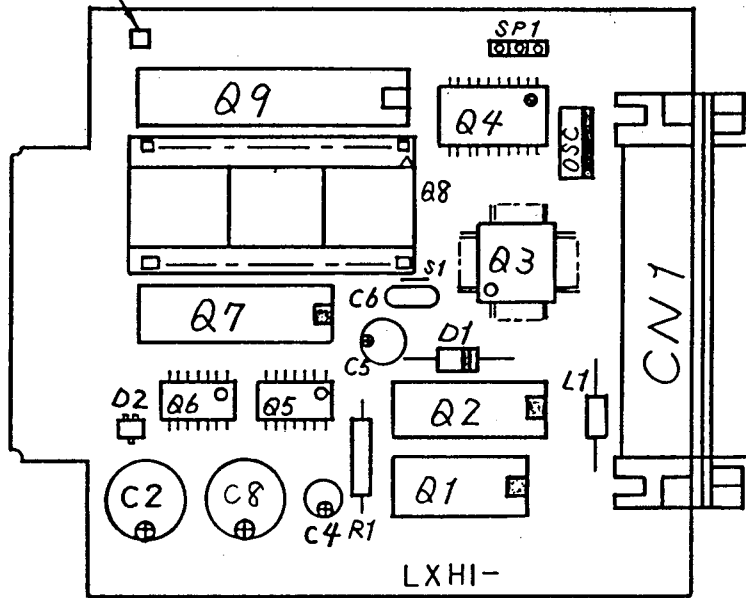
LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (2/3) REV.4 PCB version 4

No.	Symbol	Type/Name	Part No.	Q'ty
21				
22	Q6	SN74LS05NS BIP digital IC (SO)	700A0550N0005	1
23	Q5	SN74LS32NS BIP digital IC (SO)	700A0550N0032	1
24	Q4	SN74LS373NS BIP digital IC (SO)	700A0550N0373	1
25	Q7	74LS245P BIP digital IC	700A0503M0245	1
26	Q2	75154P BIP-INF-IC	710A0003M0154	1
27	Q1	75188P BIP-INF-IC	710A0003M0188	1
28				
29				
30	Q3	MSM80C31FGS-V1K MOS-CPU (FP)	851A0124N0011	1
31	Q9	HM6264ALSP-15 MOS-S-RAM	804A0021M6335	1
32				
33	Q8	DL2-28A-05 IC socket	245A1155P0280	1
34				
35	TR101	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	1
36	TR103	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
37	TR102	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	1
38				
39				
40	OSC	FAR-C4SB11059000-M02 Oscillator	4LP-12186-1	1
41	S1	Shorting wire (U type) 0.65 P=2.5	5KH-31036-25	1

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (3/3) REV.4 PCB version 4

No.	Symbol	Type/Name	Part No.	Q'ty
42	SP1	FFC-3AMEP1 FC connector	225A3123P0030	1
43				
44	CN1	D25S-LLD-hexagon(#4-40) Square connector	220A0121P0250	1
45				
46	L1	FBA04HA900KF-00 Beads core	105A1222C1001	1
47	2	DIC-252 PC connector	224A3182P0020	1

REV. NO.



PCB version NO.

RS-232C (LXHI)-Printed Circuit Board (4YA4021-1050GXXX) 1/2 (2/2)
REV. 5 PCB version 5

No.	Symbol	Type/Name	Part No.	Q'ty
1				
2				
3	D2	MA153 Signal DI (CP)	611A0029N0004	1
4	D104,105	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	2
5	D1	RD10F-B Zener DI	613A2232L0182	1
6				
7	R115	RM73B2B102J RN resistor (CP)	323A5015J0102	1
8	R104	RM73B2B122J RN resistor (CP)	323A5015J0122	1
9	R103,109,110	RM73B2B242J RN resistor (CP)	323A5015J0242	3
10	R111,112,116 120-129	RM73B2B103J RN resistor (CP)	323A5015J0103	13
11	R106	RM73B2B203J RN resistor (CP)	323A5015J0203	1
12	R108	RM73B2B474J RN resistor (CP)	323A5015J0474	1
13	R1	RD1/2Y150ΩJ RD resistor (CP)	321A1431J0151	1
14				
15	C101,102,105 107,117,118 130,131	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	8
16				
17	C6	RPE123-127F105Z25 25V CK capacitor 1.0μ	303A4117Z2105	1
18	C5	CEUSM1E470 25V CE capacitor 47μ	304A1041E1470	1
19	C2,3	CEUSM1E221 25V CE capacitor 220μ	304A1041E1221	2
20	C4	CEUSM2A010 100V CE capacitor 1.0μ	304A1041A2109	1

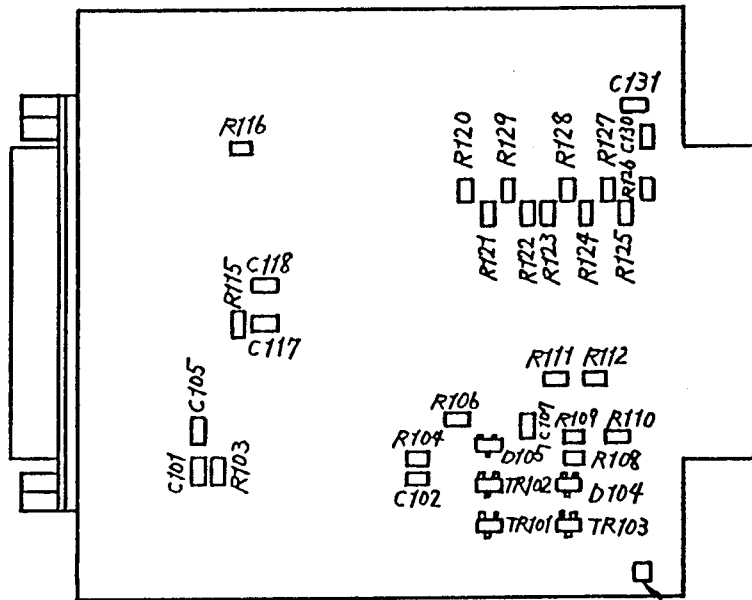
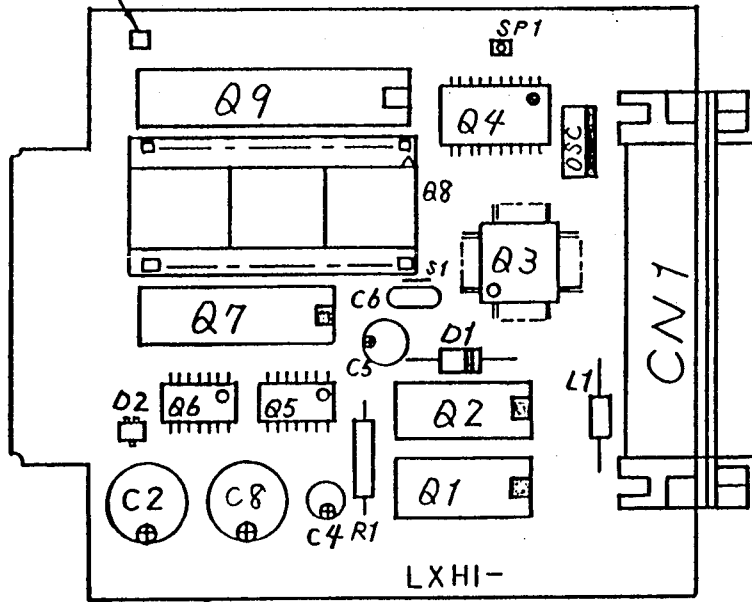
LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (2/3) REV.5 PCB version 5

No.	Symbol	Type/Name	Part No.	Q'ty
21				
22	Q6	SN74LS05NS BIP digital IC (SO)	700A0550N0005	1
23	Q5	SN74LS32NS BIP digital IC (SO)	700A0550N0032	1
24	Q4	SN74LS373NS BIP digital IC (SO)	700A0550N0373	1
25	Q7	74LS245P BIP digital IC	700A0503M0245	1
26	Q2	75154P BIP-INF-IC	710A0003M0154	1
27	Q1	75188P BIP-INF-IC	710A0003M0188	1
28				
29				
30	Q3	MSM80C51FV-568GS-V1K MOS-CPU (ROM) (FP)	853A0150N0568	1
31	Q9	HM6264ALSP-15 MOS-S-RAM	804A0021M6335	1
32				
33	Q8	DL2-28A-05 IC socket	245A1155P0280	1
34				
35	TR101	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	1
36	TR103	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
37	TR102	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	1
38				
39				
40	OSC	FAR-C4SB11059000-M02 Oscillator	4LP-12186-1	1
41	S1	Shorting wire (U type) 0.65 P=2.5	5KH-31036-25	1

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (3/3) REV.5 PCB version 5

No.	Symbol	Type/Name	Part No.	Q'ty
42	SP1	FFC-3AMEP1 FC connector	225A3123P0030	1
43				
44	CN1	D25S-LLD-hexagon(#4-40) Square connector	220A0121P0250	1
45				
46	L1	FBA04HA900KF-00 Beads core	105A1222C1001	1
47	2	DIC-252 PC connector	224A3182P0020	1

REV. NO.



RS-232C (LXHI)-Printed Circuit Board (4YA4021-1050GXXX) 1/2 (2/2)
REV. 6 PCB version 6

No.	Symbol	Type/Name	Part No.	Q'ty
1				
2				
3	D2	MA153 Signal DI (CP)	611A0029N0004	1
4	D104,105	MA151WK/DAN202K Signal DI (CP)	611A0003N0003	2
5	D1	RD10F-B Zener DI	613A2232L0182	1
6				
7	R115	RM73B2B102J RN resistor (CP)	323A5015J0102	1
8	R104	RM73B2B122J RN resistor (CP)	323A5015J0122	1
9	R103,109,110	RM73B2B242J RN resistor (CP)	323A5015J0242	3
10	R111,112,116 120-129	RM73B2B103J RN resistor (CP)	323A5015J0103	13
11	R106	RM73B2B203J RN resistor (CP)	323A5015J0203	1
12	R108	RM73B2B474J RN resistor (CP)	323A5015J0474	1
13	R1	RD1/2Y150ΩJ RD resistor (CP)	321A1431J0151	1
14				
15	C101,102,105 107,117,118 130,131	CK3216F1H104Z CK capacitor (CP)	303A6009Z3104	8
16				
17	C6	RPE123-127F105Z25 25V CK capacitor 1.0μ	303A4117Z2105	1
18	C5	CEUSM1E470 25V CE capacitor 47μ	304A1041E1470	1
19	C2,3	CEUSM1E221 25V CE capacitor 220μ	304A1041E1221	2
20	C4	CEUSM2A010 100V CE capacitor 1.0μ	304A1041A2109	1

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (2/3) REV.6 PCB version 6

No.	Symbol	Type/Name	Part No.	Q'ty
21				
22	Q6	SN74LS05NS BIP digital IC (SO)	700A0550N0005	1
23	Q5	SN74LS32NS BIP digital IC (SO)	700A0550N0032	1
24	Q4	SN74LS373NS BIP digital IC (SO)	700A0550N0373	1
25	Q7	74LS245P BIP digital IC	700A0503M0245	1
26	Q2	75189P BIP-INF-IC	710A0003M0189	1
27	Q1	75188P BIP-INF-IC	710A0003M0188	1
28				
29				
30	Q3	MSM80C51FV-568GS-V1K MOS-CPU (ROM) (FP)	853A0150N0568	1
31	Q9	HM6264ALSP-15 MOS-S-RAM	804A0021M6335	1
32				
33	Q8	DL2-28A-05 IC socket	245A1155P0280	1
34				
35	TR101	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	1
36	TR103	2SA1331/2SA1037K PNP-HF-TR (CP)	600A1003N0002	1
37	TR102	2SC3361/2SC2412K NPN-HF-TR (CP)	602A1003N0002	1
38				
39				
40	OSC	FAR-C4SB11059000-M02 Oscillator	4LP-12186-1	1
41	S1	Shorting wire (U type) 0.65 P=2.5	5KH-31036-25	1

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (3/3) REV.6 PCB version 6

No.	Symbol	Type/Name	Part No.	Q'ty
42	SP1	FFC-3AMEP1 FC connector	225A3123P0030	1
43				
44	CN1	D25S-LLD-hexagon(#4-40) Square connector	220A0121P0250	1
45				
46	L1	FBA04HA900KF-00 Beads core	105A1222C1001	1
47	2	DIC-252 PC connector	224A3182P0020	1