## OKI MICROLINE ML320/321

## TROUBLE SHOOTING MANUAL WITH COMPONENTS PARTS LIST

## CONTENTS

Troubleshooting Manua

1. Outline ..... I-I
2. Tools ..... |-I
3. Troubleshooting Items ..... |-I
Component Parts List
LXMC-Printed Circuit Board 4YA4021-1051GXXX ..... 2-1
LXSP-2-Printed Circuit Board 4YA4021-1048G2 ..... 3-I
PAll-2-Printed Circuit Board 3YU5057-3219G2 ..... 4-I
SUll-2-Printed Circuit Board 3YU5057-3311G2 ..... 4-9
RS-232C (LXHI)-Printed Circuit Board 4YA4021-1050G1 ..... 5-I

## 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.
Osci I loscope Approximately $100 \mathbf{M H z}$
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 +40 V output
$1-2$ There is no +8 V output
(1-3) There is no +5 V output
1-4 There is no $10 V$ 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,
(8) 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 (PAll or SUII).

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

- Q1 emitter - The voltage between pins 4 and 5 of $\mathrm{CN} 2(\mathrm{OV})$ is 32 V 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 (PAll or SUll board).

There is no $+8 V$ output.
The fuse F 1 is open?

- No AC voltage is supplied to pins 3 and 6 of CN1?
- Yes Replace D12.

No Replace the transformer.

Yes Replace D12.

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

1-3 There is no +5 V output.

- There is no +8 V output?
- Yes Replace IC1.

No Go to step $1-2$

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

Thes 1) OV AC is not output.

- Replace the transformer.


## Th- $\overline{\text { r }}$ is no output.

The fuse on the filter board is open?

- No Replace the transformer.

Yes The signal is input to pin 12 of CN6?

- Yes The D102 cathode voltage is approximately 11 V ?
- No Replace TR1 1 or TR109.

Yes There is output to TR1 collector?

- Yes Replace TR1 or MTDV.

No There is output to the D105 cathode?

- No Replace TR106.

Yes The Q2-14 voltage approximately 5V?

- No Replace Q2 or Q3.

Yes Replace TR107, TR1 11, Q6 or Q1 1.

No A short circuit exists between the emitter and collector of QI?

- Yes Replace Q1.

No A short circuit exists between the anode and cathode of D2?

- Yes Replace D2.

No A short circuit exists in D1?

- Yes Replace D1.

No Replace the transformer.

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

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 $\mathbf{Q 7}$ 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?


The signal level of the bus line should be stabilized to high or low level at the full of $\overline{\text { PSEN }}$ or at the rise of $\overline{R D N W}$.

- 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.

PB-Qgyam ROM error

- Replace Q13.

External RAM error
The $\overline{\mathrm{RAS}}$ (on pin 5), $\overline{\mathrm{CAS}}$ (on pin 16), $\overline{\mathrm{OE}}$ (on pin 1), $\overline{\mathrm{WR}}$ (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 $\overline{O E}$ or $\overline{W R}$.

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 Q 5 is the same as shown in Figure 8?

CAS


Figure 8

- No Replace Q5. The output signal on pin 8 is now the same as shown in Figure 8?
- No Replace Q1 1 .

Yes ReplaceQ4.

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.


## S305ading 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 $64 \mu$ s 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 SPUO, SPVo, SPWo outputs of MTDV are the same as shown in Figure 97

- No The rectangular wave is input to the base of $\operatorname{Tr} 15$ ?
- No Replace the MTDV.

Yes The supply voltage is output to the collector of Trl?

- No Replace TrI.

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

- No Replace 11.

Yes Replace the MTDV.

Yes
Replace the carriage unit or CN2

## (4) Printing wrong character or some characters are not printed.

The 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 HEAD ON signal is stable at high level.

Replace Q11, C13, or Q6 when the 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 Q 7 are at low level?
HAD1-8 1

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

- The LF PHA and LF PHB signals of Q11 are the same as shown in Figure 14?

- No Replace Q11.

Yes The waveform of LF OVD is the same as shown in Figure 14 during constantspeed operation?

- No ReplaceQ13.

Yes The VR1NR2 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.

The SELECT switch does not function.
The $\overline{\text { SEL SW }}$ signal on pin I I of QI is set low when the SEL switch is pressed?

- No Replace CNI or LXSP board.

Yes The output signal on pin 12 of Q 5 or the input signals on pins I and 19 of $Q$ occasionally drop to low level?
the output signal on pin 12 of Q5
the input signal on pins 1 and 19 of Q1


Figure 15

- No The output signal on pin IO 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 of pins
1,2 , and 13 of Q5


Figure 16

- No ReplaceQ4.

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?

the input signal on pins 1 and 19 of Q1

Figure 17

No The output signal on pin 10 of Q4 or the input signals on pins 1,2 and 13 of $Q 5$ occasionally rise to high level?

the input signals on pins
1, 2, and 13 of Q5
Figure 18

- No ReplaceQ4.

Yes Replace Q5.

Yes Replace Q1.

6-3 The LF switch does not function.

- The $\overline{\mathrm{LF} \text { SW }}$ signal on pin 15 of Ql 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 Q occasionally drop to low level?

the input signals on pins 1 and 19 of Q1

- 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 20
- No ReplaceQ4.

Yes Replace Q5.

Yes Replace QI.

The FF switch does not function.
The 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?

the input signals on pins 1 and 19 of Q1

Figure 21

- 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 22

## - No Replace Q4.

Yes Replace Q5.

Yes Replace Q1.

The PARK switch does not function.

- The $\overline{\text { PARK SW }}$ signal on pin 2 of Q 1 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?

the input signals on pins 1 and 19 of Q1

Figure 23

- 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 24
- No Replace Q4.

Yes Replace Q5.

Yes Replace QI.

The TOF switch abes 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?

the input signals on pins 1 and 19 of Q1

Figure 25
i 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 input signals on pins
1,2 , and 13 of Q5
Figure 26

- No ReplaceQ4.

Yes Replace Q5

Yes Replace Q1

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.
əs 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 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 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 oh pins 1 and 19 of Q1 occasionally drop to low level?

the input signals on pins
1 and 19 of Q1
Figure 29

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 input signals on pins
1,2 , and 13 of Q5
Figure 30

- No ReplaceQ4.

Yes Replace Q5.

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 $\overline{S T B}$ signal (pin 2) of Q11 is the same as shown in Figure 31.

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

Yes The BUSY signal (pin 68) or $\overline{A C K}$ signal (pin 69) of Q1 $\mathbf{1}$ 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 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 $\overline{\mathrm{ACK}}$ or BUSY signal.

## COMPONENT PARTS LIST

## CONTENTS

Component Parts List
LXMC-Printed Circuit Board 4YA4021-1051GXXX ..... 2-I
LXSP-2-Printed Circuit Board 4YA4021-1048G2 ..... 3-I
PAll-Printed Circuit Board 3YU5057-3219G2 ..... 4-I
SUII-2 Printed Circuit Board 3YU5057-331 IG2 ..... 4-9
RS-232C (LXHI)-Printed Circuit Board 4YA4021-1050GXXX ..... 5-I

Table of ROM identification for each G. NO.

| G. NO. | ROM NO. | ROM parts NO. | ROM code <br> 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 <br> maintenance (withl <br> 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 <br> maintenance (with <br> $28 ~ p i n ~ I C ~ s o c k e t) ~$ |
| 205 | Q13 |  |  |  | without ROM for <br> maintenance (with |



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



| PCB version NO.: | 2 |
| :--- | :---: |
| REV. NO. | 2 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 2 PCB version 2
For: $G 100,101,102,106,200,201,202,204$

| No. | Symbol | Type/Nam |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | D2 | DFA1A1 <br> Rectifier DI |  | 610A0221L0021 | 1 |
| 2 | D4 | $\begin{aligned} & \text { EM1Z/SM-1A-02/DSA1A2 } \\ & \text { Rectifier DI } \end{aligned}$ |  | 610A0003M0001 | 1. |
| 3 | $\begin{aligned} & \text { D10,12,18,21, } \\ & 105,112,121 \end{aligned}$ | $\begin{aligned} & \text { MAl51WK/DAN202K } \\ & \text { Signal DI } \end{aligned}$ |  | 611A0003N0003 | 7 |
| 4 |  |  |  |  |  |
| 5 | D113 | $\begin{aligned} & \text { MA3075-M/RD7.5M-B2 } \\ & \text { Zener DI (CP) } \end{aligned}$ |  | 613A0103M0152B | 1 |
| 6 | D16,101,114 | $\begin{aligned} & \text { MA3300-M } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0291M0292M | 3 |
| 7 | D103,110 | MA3047-H <br> Zener DI | (CP) | 613A0291M0102H | 2 |
| 8 | D102 | $\begin{aligned} & \text { MA3100/RD10M-B } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0103M0182 | 1 |
| 9 | D119 | RD2.7M-B1 <br> Zener DI | (CP) | 613A0233M0042A | 1 |
| 10 |  |  |  |  |  |
| 11 | $\begin{aligned} & \mathrm{R} 99,121,151, \\ & 194 \end{aligned}$ | RM73B2B101J <br> RN resistor | ( CP) | 323A5015J0101 | 4 |
| 12 | $\begin{aligned} & \mathrm{R} 55,86,87, \\ & 129,234-239 \end{aligned}$ | RM73B2B431J <br> RN resistor | (CP) | 323A5015J0431 | 10 |
| 13 | $\begin{aligned} & \text { R41, 104, 131, } \\ & 240 \end{aligned}$ | RM73B2B511J <br> RN resistor | (CP) | 323A5015J0511 | 4 |
| 14 | R128 | RM73B2B561J RN resistor | (CP) | 323A5015J0561 | 1 |
| 15 | R154 | RM73B2B751J RN resistor | (CP) | 323A5015J0751 | 1 |
| 16 | $\begin{aligned} & \mathrm{R} 51,72,88,90, \\ & 161,162,187, \\ & 193 \end{aligned}$ | RM73B2B102J <br> RN resistor | (CP) | 323A5015J0102 | 8 |
| 17 |  |  |  |  |  |
| 18 | R34,127,133 | RM73B2B122J RN resistor | (CP) | 323A5015J0122 | 3 |
| 19 | R53 | RM73B2B182J <br> RN resistor | (CP) | 323A5015J0182 | 1 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 2 PCB version 2
For: $\mathrm{G} 100,101,102,106,200,201,202,204$

| No. | Symbol | Type/ |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20 | $\mathrm{R} 35,62,150$, $171,172,220-$ $228,243-245$ | RM73B2B202J RN resistor | (CP) | 323A5015J0202 | 17 |
| 21 |  |  |  |  |  |
| 22 | $\begin{aligned} & \mathrm{R} 37,52,109, \\ & 135 \end{aligned}$ | RM73B2B222J RN resistor | (CP) | 323A5015J0222 | 4 |
| 23 | $\begin{aligned} & \mathrm{R} 71,73- \\ & 80,101,105 \\ & 106,138,186, \\ & 203-208 \end{aligned}$ | RM73B2B332J RN resistor | (CP) | 323A5015J0332 | 20 |
| 24 |  |  |  |  |  |
| 25 | R137 | $\begin{aligned} & \text { RM73B2B472J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0472 | 1 |
| 26 |  |  |  |  |  |
| 27 |  |  |  |  |  |
| 28 |  |  |  |  |  |
| 29 | R241,242 | $\begin{aligned} & \text { RM73B2B201J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0201 | 2 |
| 30 | $\begin{aligned} & \mathrm{R} 31,32,39,44, \\ & 58,81,82,140- \\ & 149,177,210 \end{aligned}$ | $\begin{aligned} & \text { RM73B2B562J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0562 | 19 |
| 31 |  |  |  |  |  |
| 32 | R139 | RM73B2B682J RN resistor | (CP) | 323A5015J0682 | 1 |
| 33 | $\begin{aligned} & \mathrm{R} 36,38,54,70, \\ & 120,126,152, \\ & 155,157,179, \\ & 183,185,192, \\ & 195-202,211 \end{aligned}$ | RM73B2B103J <br> RN resistor | (CP) | 323A5015J0103 | 22 |
| 34 |  |  |  |  |  |
| 35 |  |  |  |  |  |
| 36 |  |  |  |  |  |
| 37 | R47,108,159, | RM73B2B223J <br> RN resistor | (CP) | 323A5015J0223 | 3 |
| 38 | R60,165 | RM73B2B473J <br> RN resistor | (CP) | 323A5015J0473 | 2 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 2 PCB version 2
For: $\mathrm{G} 100,101,102,101,106,200,201,202,204$

| No. | Symbol | Type/Name |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 39 | R33 | RM73B2B513J <br> RN resistor | (CP) | 323A5015J0513 | 1 |
| 40 | R130 | RM73B2B683J <br> RN resistor | (CP) | 323A5015J0683 | 1 |
| 41 | $\begin{aligned} & \mathrm{R} 49,110,113- \\ & 119,124,125, \\ & 153 \end{aligned}$ | RM73B2B104J <br> RN resistor | (CP) | 323A5015J0104 | 12 |
| 42 |  |  |  |  |  |
| 43 | R30 | RM73B2B224J <br> 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 <br> RN resistor | (CP) | 323A5015F0153 | 1 |
| 48 |  |  |  |  |  |
| 49 | R1,3,4 | MSF1/2B0.51 J RS resistor |  | 324A1001J0518 | 3 |
| 50 | R2 | RD1/2Y2k $\Omega J$ <br> RD resistor |  | 321A1431J0202 | 1 |
| 51 | R5 | FMR1-1.8 2 J <br> Fuse resistor |  | 327A1002J0189 | 1 |
| 52 | \#C254 | Laminated-ceramic capacitor 0.1 HF |  | 303 A 4115 M 3104 | 1 |
| 53 | C94,233 | CC3216SL1H561J CC capacitor | (CP) | 303 A 3008 K 0561 | 2 |
| 54 | C102 | CC3216SLlH100D 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 <br> 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


LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 2 PCB version 2
For: G $100,101,102,106,200,201,202,204$

| No. | Symbol | Type/Name | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: |
| 77 | Q4 | $\begin{aligned} & \text { 74LS02FP } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503N0002 | 1 |
| 78 | Q14 | SN74LS06NS <br> BIP digital IC (SO) | 700A0550N0006 | 1 |
| 79 | Q5 | SN74LSIONS <br> BIP digital IC (SO) | 700A0550N0010 | 1 |
| 80 | Q1 | SN74LS244NS <br> BIP digital IC <br> (SO) | 700A0550N0244 | 1 |
| 81 | Q6 | NJM2901M <br> BIP 1inear IC (SO) | 720A0528N0002 | 1 |
| 82 | Q7 | $\begin{aligned} & \text { MSM80C154VGS-V1K-1 } \\ & \text { MOS-CPU } \end{aligned}$ | 851 A 0124 N 0013 | 1 |
| 83 | Q11 | $\begin{aligned} & \text { MSM6990GS-V1K } \\ & \text { MOS digital IC } \quad \text { (FP) } \end{aligned}$ | 702A2024N0003 | 1 |
| 84 85 |  |  |  |  |
| 86 | TR106 | $\begin{aligned} & \text { 2SA1331 } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600 Al 032 N 0002 | 1 |
| 87 | TR19 | $\begin{aligned} & \text { 2SC3361 } \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1032N0002 | 1 |
| 88 | TR107 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600Al003N0002 | 1 |
| 89 | $\begin{aligned} & \operatorname{TR} 11,13,104, \\ & 111 \end{aligned}$ | $\begin{aligned} & 2 \mathrm{SC} 3361 / 2 \mathrm{SC} 2412 \mathrm{~K} \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1003N0002 | 4 |
| 90 | $\begin{aligned} & \operatorname{TR} 14,15,20, \\ & 109,118,120 \end{aligned}$ | A1344/UN2111/DTA114K <br> PNP-HF-TR <br> (CP) | 600 Al 1003 NO 003 | 6 |
| 91 | TR17 | $\begin{aligned} & \text { 2SC2713 } \\ & \mathrm{NPN}-\mathrm{HF}-\mathrm{TR} \end{aligned}$ | 602Al025N0050 | 1 |
| 92 | TR3 | $\begin{aligned} & \text { 2SD1472 } \\ & \text { NPN-LF-TR } \end{aligned}$ <br> (CP) | 603A1121N0007 | 1 |
| 93 | TRI | $\begin{aligned} & 2 \mathrm{SB} 1123 \\ & \mathrm{PNP}-\mathrm{LF}-\mathrm{TR} \end{aligned}$ | 601A1032N0002 | 1 |
| 94 | TRS | $\begin{aligned} & 2 \text { SB882 } \\ & \text { PNP-LF-TR } \end{aligned}$ | 601A1132M0003 | 1 |
| 95 96 | Q2,3 | $\begin{aligned} & \text { M54661P/LB1731 } \\ & \text { BIP-INF-IC } \end{aligned}$ | 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 | $\begin{aligned} & \text { M54646P } \\ & \text { BIP linear IC } \end{aligned}$ | 720A1822M0002 | 1 |
| 98 | MTDV | HA13412 <br> BIP linear IC | 720A4021E0004 | 1 |
| 99 | BAT | CR2430-FI6 <br> Lithium battery | 455A3027P0001 | 1 |
| 100 | L1 | $\begin{align*} & \text { OL1614-102KR70 }  \tag{D}\\ & \text { H coil } \end{align*}$ | 353A3002K0102 | 1 |
| 101 | SP1,2 | FFC-6AMEP1 <br> FC connector | 225A3123P0060 | 2 |
| 102 | SP3 | FFC-3AMEP1 <br> FC connector | 225A3123P0030 | 1 |
| 103 | S102 | MCR18-JPW <br> Chip jumper <br> (CP) | 323A5011P0001 | 1 |
| 104 | CN1 | AK-127S15D <br> PC connector | 224A1156P0150 | 1 |
| 105 | CN2 | Z-355S <br> PC connector | 224A3198P0240 | 1 |
| 106 | CN3 | MCR69-30D-2.54DS PC connector | 224A1052P0300 | 1 |
| 107 | CN5 | 57LE-40360-7300 (D53) <br> Square connector | 220A1423P0361 | 1 |
| 108 | CN4 | TCS7688-01-201 <br> Round connector | 221A1622P0081 | 1 |
| 109 | 3 | DIC-252 <br> PC connector | 224A3182P0020 | 1 |
| 110 | PE | EE-SX1042 <br> Photocoupler | 652A0127M0012 | 1 |
| 111 | Q13 | DL2-28A-05 <br> IC socket | 245A1155P0280 | 1 |
| 112 | L. 3, 5, 7 | FBA04HA900KF-00 <br> 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 <br> Leaf switch | 218A7050P0001 | 1 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 2 PCB version 2
For: $G 100,101,102,106,200,201,202,204$


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 EM1Z/SM-1A-02/DSA1A2 Rectifier DI``` |  | 610A0221L0021 | 1 |
| 2 | D4 |  |  | 610A0003M0001 | 1 |
| 3 |  |  |  |  |  |
| 4 | $\begin{aligned} & \text { D10,12,18,21, } \\ & 105,112,121 \end{aligned}$ | MA151WK/DAN202K <br> Signal DI | (CP) | 611A0003N0003 | 7 |
| 5 | D113 | $\begin{aligned} & \text { MA3075-M/RD7.5M-B2 } \\ & \text { Zener DI (CP) } \end{aligned}$ |  | 613A0103M0152B | 1 |
| 6 | D16,101,114 | MA3300-M <br> Zener DI | (CP) | 613A0291M0292M | 3 |
| 7 | D103,110 | MA3047-H <br> Zener DI | (CP) | 613A0291M0102H | 2 |
| 8 | D102 | $\begin{aligned} & \text { MA3100/RD10M-B } \\ & \text { Zener DI } \end{aligned}$ | ( $C P$ ) | 613A0103M0182 | 1 |
| 9 | D119 | $\begin{aligned} & \text { RD2.7M-B1 } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0233M0042A | 1 |
| 10 |  |  |  |  |  |
| 11 | $\begin{aligned} & \mathrm{R} 99,121,151, \\ & 194 \end{aligned}$ | RM73B2B101J RN resistor | (CP) | 323A5015J0101 | 4 |
| 12 | $\begin{aligned} & \mathrm{R} 55,86,87, \\ & 129,234-239 \end{aligned}$ | RM73B2B431J RN resistor | (CP) | 323A5015J0431 | 10 |
| 13 | $\begin{aligned} & \text { R41, 104, 131, } \\ & 240 \end{aligned}$ | RM73B2B511J RN resistor | (CP) | 323A5015J0511 | 4 |
| 14 | R128 | RM73B2B561J <br> RN resistor | (CP) | 323A5015J0561 | 1 |
| 15 | R154 | RM73B2B751J RN resistor | (CP) | 323A5015J0751 | 1 |
| 16 | $\begin{aligned} & \text { R51, 72, 88, } 90 \\ & 161,162,187, \\ & 193 \end{aligned}$ | RM73B2B102J RN resistor | (CP) | 323A5015J0102 | 8 |
| 17 |  |  |  |  |  |
| 18 | R34,127,133 | RM73B2B122J <br> RN resistor | (CP) | 323A5015J0122 | 3 |
| 19 | R53 | RM73B2B182J <br> 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/ |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20 | $\begin{aligned} & \mathrm{R} 35,62,150, \\ & 171,172,220- \\ & 228,243-245 \end{aligned}$ | RM73B2B202J RN resistor | (CP) | 323A5015J0202 | 17 |
| 21 |  |  |  |  |  |
| 22 | $\begin{aligned} & \mathrm{R} 37,52,109, \\ & 135 \end{aligned}$ | RM73B2B222J <br> RN resistor | (CP) | 323A5015J0222 | 4 |
| 23 | $\begin{aligned} & \mathrm{R} 71,73- \\ & 80,101,105, \\ & 106,138,186, \\ & 203-208 \end{aligned}$ | 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 | $\begin{aligned} & \mathrm{R} 31,32,39,44, \\ & 58,81,82,140- \\ & 149,177,210 \end{aligned}$ | RM73B2B562J RN resistor | (CP) | 323A5015J0562 | 19 |
| 31 |  |  |  |  |  |
| 32 | R139 | $\begin{aligned} & \mathrm{RM} 93 \mathrm{~B} 2 \mathrm{~B} 682 \mathrm{~J} \\ & \mathrm{RN} \text { resistor } \end{aligned}$ | (CP) | 323A5015J0682 | 1 |
| 33 | $\begin{aligned} & \mathrm{R} 36,38,54,70, \\ & 120,126,152, \\ & 155,157,179, \\ & 183,185,192, \\ & 195-202,211 \end{aligned}$ | RM73B2B103J <br> RN resistor | (CP) | 323A5015J0103 | 22 |
| 34 |  |  |  |  |  |
| 35 |  |  |  |  |  |
| $36$ |  |  |  |  |  |
| 37 | R47,108,159 | RM73B2B223J <br> RN resistor | ( $C P$ ) | 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 <br> RN resistor | (CP) | 323A5015J0513 | 1 |
| 40 | R130 | $\begin{aligned} & \mathrm{RM} 73 \mathrm{~B} 2 \mathrm{~B} 683 \mathrm{~J} \\ & \mathrm{RN} \text { resistor } \end{aligned}$ | (CP) | 323A5015J0683 | 1 |
| 41 | $\begin{aligned} & \mathrm{R} 49,113-119, \\ & 124,125,153, \\ & 110 \end{aligned}$ | RM73B2B104J RN resistor | (CP) | 323A5015J0104 | 12 |
| 42 |  |  |  |  |  |
| 43 | R30 | $\begin{aligned} & \text { RM73B2B224J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0224 | 1 |
| 44 | R42,45,46 | RM73B2B242F <br> RN resistor | ( CP ) | 323A5015F0242 | 3 |
| 45 | R134 | RM73B2B124F RN resistor | ( $C P$ ) | 323A5015F0124 | 1 |
| 46 | R43 | RM73B2B222F RN resistor | (CP) | 323A5015F0222 | 1 |
| 47 | R50 | RM73B2B153F <br> RN resistor | (CP) | 323A5015F0153 | 1 |
| 48 |  |  |  |  |  |
| 49 | R1, 3,4 | MSF1/2B0.51 JJ RS resistor |  | 324A1001J0518 | 3 |
| 50 | R2 | RD1/2Y2K $2 J$ <br> RD resistor |  | 321A1431J0202 | 1 |
| 51 | R 5 | FMR1-1.8 JJ <br> Fuse resistor |  | 327A1002J0189 | 1 |
| 52 | *C254 | Laminated-ceramic capacitor 0.1p |  | 303A4115M3104 | 1 |
| 53 | C94,233 | CC3216SL1H561J CC capacitor | (CP) | 303A3008K0561 | 2 |
| 54 | Cl02 | 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 <br> 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 | $\begin{aligned} & C 61,163,164, \\ & 166 \end{aligned}$ | CC3216SL1H821J <br> 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 <br> CK capacitor | (CP) | 303A6009Z3103 | 2 |
| 62 | $\begin{aligned} & \text { C59,122,169, } \\ & 180,184,190, \\ & 191,215,217, \\ & 219,230,232, \\ & 255 \end{aligned}$ | CK3216F1H104Z CK capacitor | (CP) | 303A6009Z3104 | 13 |
| 63 |  |  |  |  |  |
| 64 |  |  |  |  |  |
| 65 | $\begin{aligned} & C 16,18,20,21, \\ & 29,65,85,92 \end{aligned}$ | CK92F1E105ZS CK capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 1.0 \mathrm{p} \end{aligned}$ | 303A411722105 | 8 |
| 66 | C19,91 | CK92F1H155ZS CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 1.5 \mu \end{aligned}$ | 303A4117Z2155 | 2 |
| 67 | C13 | CQM-92PP2A223G <br> CQ capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 0.022 \mu \end{aligned}$ | 306A4100G2223 | 1 |
| 68 | C17,23,27 | TCK45F2E103ZYA CK capacitor | $\begin{aligned} & 250 \mathrm{~V} \\ & 10000 \mathrm{P} \end{aligned}$ | 302A402725103 | 3 |
| 69 | C10 | CEUSM2A3R3 <br> CE capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 3.3 \mu \end{aligned}$ | 304A1041A2339 | 1 |
| 70 | C8 |  |  | 304A1046E1220 | 1 |
| 71 | C9 | CEUSM1E470 CE capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 47 \mathrm{\mu} \end{aligned}$ | 304A1041E1470 | 1 |
| 72 | C11,12,15 | CEUSM1H100 CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mu \end{aligned}$ | 304A1041H1100 | 3 |
| 73 | C14 | SRC50VB-680(M) <br> CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 680 \mu \end{aligned}$ | 304A1035H1681 | 1 |
| 74 |  |  |  |  |  |
| 75 | Q8,9 | $\begin{aligned} & \text { M5M4464P-12 } \\ & \text { MOS-D-RAM } \end{aligned}$ |  | 802A2022M8302 | 2 |
| 76 | Q12 | $\begin{aligned} & 5128-20 \mathrm{GS} / 55170 \\ & \text { MOS-S-RAM } \end{aligned}$ | $\begin{aligned} & -20 \\ & \text { (SO) } \end{aligned}$ | 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 | $\begin{aligned} & \text { 74LS02FP } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503N0002 | 1 |
| 78 | Q14 | SN74LS06NS <br> BIP digital IC <br> (SO) | 700A0550N0006 | 1 |
| 79 | Q5 | SN74LSIONS BIP digital IC (SO) | 700A0550N0010 | 1 |
| 80 | Q1 | SN74LS244NS <br> BIP digital IC (SO) | 700A0550N0244 | 1 |
| 81 | Q6 | NJM2901M <br> BIP linear IC <br> (SO) | 720A0528N0002 | 1 |
| 82 | Q7 | $\begin{aligned} & \text { MSM80C154VGS-V1K-1 } \\ & \text { MOS-CPU } \end{aligned}$ | 851A0124N0013 | 1 |
| 83 | Q11 | MSM6990GS-V1K MOS digital IC (FP) | 702A2024N0003 | 1 |
| 84 85 |  |  |  |  |
| 86 | TR106 | $\begin{aligned} & \text { 2SA1331 } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1032N0002 | 1 |
| 87 | TR19 | $\begin{aligned} & \text { 2SC3361 } \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1032N0002 | 1 |
| 88 | TR107 | $\begin{aligned} & \text { 2SAl331/2SA1037K } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1003N0002 | 1 |
| 89 | $\begin{aligned} & \text { TR11,13,104, } \\ & 111 \end{aligned}$ | $\begin{aligned} & 2 \mathrm{SC} 3361 / 2 \mathrm{SC} 2412 \mathrm{~K} \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1003N0002 | 4 |
| 90 | $\begin{aligned} & \text { TR14, 15, 20, } \\ & 109,118,120 \end{aligned}$ | A1344/UN2111/DTA114K <br> PNP-HF-TR <br> (CP) | 600A1003N0003 | 6 |
| 91 | TR17 | $\begin{align*} & 2 \mathrm{SC} 2713 \\ & \mathrm{NPN}-\mathrm{HF}-\mathrm{TR} \tag{CP} \end{align*}$ | 602A1025N0050 | 1 |
| 92 | TR3 | $\begin{align*} & \text { 2SD1472 } \\ & \text { NPN-LF-TR } \tag{CP} \end{align*}$ | 603A1121N0007 | 1 |
| 93 | TR1 | $\begin{align*} & 2 \mathrm{SB} 1123 \\ & \text { PNP-LF-TR } \tag{CP} \end{align*}$ | 601A1032N0002 | 1 |
| 94 | TR5 | $\begin{aligned} & \text { 2SB882 } \\ & \text { PNP-LF-TR } \end{aligned}$ | $601 \mathrm{Al132M0003}$ | 1 |
| 95 |  |  |  |  |
| 96 | Q2,3 | $\begin{aligned} & \text { M54661P/LB1731 } \\ & \text { BIP-INF-IC } \end{aligned}$ | 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 <br> BIP 1inear IC | 720A1822M0002 | 1 |
| 98 | MTDV | HA13412 <br> BIP linear IC | 720A4021E0004 | 1 |
| 99 | BAT | CR2430-FI6 <br> Lithium battery | 455A3027P0001 | 1 |
| 100 | L1 | ```OL1614-102KR70 H coil``` | 353A3002K0102 | 1 |
| 101 | SP1,2 | FFC-6AMEP1 <br> FC connector | 225A3123P0060 | 2 |
| 102 | SP3 | FFC-3AMEP1 <br> FC connector | 225A3123P0030 | 1 |
| 103 | S102 | MCR18-JPW <br> Chip jumper <br> (CP) | 323A5011P0001 | 1 |
| 104 | CN1 | AK-127S15D <br> PC connector | 224A1156P0150 | 1 |
| 105 | CN2 | $\left\lvert\, \begin{aligned} & \mathrm{Z}-355 \mathrm{~S} \\ & \text { PC connector } \end{aligned}\right.$ | 224A3198P0240 | 1 |
| 106 | CN3 | MCR69-30D-2.54DS PC connector | 224A1052P0300 | 1 |
| 107 | CN5 | $\begin{aligned} & \text { 57LE-40360-7300 (D53) } \\ & \text { Square connector } \end{aligned}$ | 220A1423P0361 | 1 |
| 108 | CN4 | TCS7688-01-201 <br> Round connector | 221A1622P0081 | 1 |
| 109 | 3 | DIC-252 <br> PC connector | 224A3182P0020 | 1 |
| 110 | PE | EE-SX1042 <br> Photocoupler | 652A0127M0012 | 1 |
| 111 | Q13 | IC26-3206-GS4 <br> IC socket | 245A1016P0320 | 1 |
| 112 | L3, 5,7 | FBA04HA900KF-00 <br> Beads core | 105A1222C1001 | 3 |
| 113 | L2,4 | DST306-55F103Z <br> EMI filter | $342 \mathrm{Al004P2103}$ | 2 |
| 114 | OSC | FAR-C4SB16000000M120 <br> Piezoelectric vibrator | 381A2001B0005 | 1 |
| 115 | BASW | MSW-1731CVC <br> Leaf switch | 218A7050P0001 | 1 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 2 PCB version 2
For: G103, 203, 205





LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 3 PCB version 3
For: G100, 101, 102, 106, 200, 201, 202, 204


LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 3 PCB version 3 For: G100, 101, 102, 106, 200, 201, 202, 204


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 <br> RN resistor | (CP) | 323A5015J0513 | 1 |
| 40 | R130 | RM73B2B683J <br> RN resistor | (CP) | 323A5015J0683 | 1 |
| 41 | $\begin{aligned} & \text { R49,110,113- } \\ & 119,124,125, \\ & 153 \end{aligned}$ | RM73B2B104J <br> RN resistor | (CP) | 323A5015J0104 | 12 |
| 42 |  |  |  |  |  |
| 43 | R30 | RM73B2B224J <br> RN resistor | (CP) | 323A5015J0224 | 1 |
| 44 | R42,45,46 | RM73B2B242F <br> RN resistor | (CP) | 323A5015F0242 | 3 |
| 45 | R134 | RM73B2B124F <br> RN resistor | (CP) | 323A5015F0124 | 1 |
| 46 | R43 | RM73B2B222F <br> RN resistor | (CP) | 323A5015F0222 | 1 |
| 47 | R50 | RM73B2B153F <br> RN resistor | (CP) | 323A5015F0153 | 1 |
| 48 |  |  |  |  |  |
| 49 | R1,3,4 | $\begin{aligned} & \text { MSF } 1 / 2 \mathrm{B0.51} \mathrm{\Omega J} \\ & \text { RS resistor } \end{aligned}$ |  | 324A1001J0518 | 3 |
| 50 | R2 | $\begin{array}{\|l} \text { RD1/2Y2k } \Omega J \\ \text { RD resistor } \end{array}$ |  | 321A1431J0202 | 1 |
| 51 | R5 | $\begin{aligned} & \text { FMR1-1. } 8 \Omega \mathrm{~J} \\ & \text { Fuse resistor } \end{aligned}$ |  | 327A1002J0189 | 1 |
| 52 |  |  |  |  |  |
| 53 | C94,233 | CC3216SL1H561J CC capacitor | (CP) | 303A3008K0561 | 2 |
| 54 | Cl02 | CC3216SL1H100D CC capacitor | (CP) | 303A3008K0100 | 1 |
| 55 | C89,229,231 | CC3216SL1H101J CC capacitor | (CP) | 303A3008K0101 | 3 |
| 56 | C132 | CC3216SL1H221J <br> 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 | $\begin{aligned} & C 61,163,164 \\ & 166 \end{aligned}$ | CC3216SL1H821J CC capacitor | (CP) | 303A6009K0821 | 4 |
| 59 | C103,246 | CC3216SL1H102J CC capacitor | (CP) | 303A3008K0102 | 2 |
| 60 | C136 | CK3216BlH472K <br> CK capacitor | (CP) | 303A6009K3472 | 1 |
| 61 | C107,123 | CK3216F1H103Z CK capacitor | (CP) | 303A6009Z3103 | 2 |
| 62 | $\begin{aligned} & c 59,97,122, \\ & 169,180,184, \\ & 190,191,215, \\ & 217,219,230, \\ & 232,254,255 \end{aligned}$ | CK3216F1H104Z <br> CK capacitor | (CP) | 303A6009Z3104 | 15 |
| 63 |  |  |  |  |  |
| 64 |  |  |  |  |  |
| 65 | $\begin{aligned} & \text { Ci6,18,20,21, } \\ & 29,65,85,92 \end{aligned}$ | CK92F1E105ZS CK capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 1.0 \mathrm{p} \end{aligned}$ | 303A411722105 | 8 |
| 66 | C19,91 | CK92F1H155ZS CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 1.5 \mu \end{aligned}$ | 303A4117Z2155 | 2 |
| 67 | C13 | CQM-92PP2A223G <br> CQ capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 0.022 \mu \end{aligned}$ | 306A4100G2223 | 1 |
| 68 | C17,23,27 | TCK45F2E103ZYA CK capacitor | $\begin{aligned} & 250 \mathrm{~V} \\ & 10000 \mathrm{P} \end{aligned}$ | 302A402725103 | 3 |
| 69 | C10 | CEUSM2A3R3 <br> CE capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 3.3 \mu \end{aligned}$ | 304A1041A2339 | 1 |
| 70 | C8 |  |  | 304A1046E1220 | 1 |
| 71 | C9 | CEUSM1E470 CE capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 47 \mathrm{p} \end{aligned}$ | 304A1041E1470 | 1 |
| 72 | C11,12,15 | CEUSM1H100 CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mathrm{\mu} \end{aligned}$ | 304A1041H1100 | 3 |
| 73 | C14 | SRC50VB-680(M) <br> CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 680 \mu \end{aligned}$ | $304 \mathrm{Al035H1681}$ | 1 |
| 74 |  |  |  |  |  |
| 75 | Q8,9 | $\begin{aligned} & \text { M5M4464P-12 } \\ & \text { MOS-D-RAM } \end{aligned}$ |  | 802A2022M8302 | 2 |
| 76 | Q12 | $\begin{aligned} & 5128-20 \mathrm{GS} / 5517 \mathrm{C} \\ & \text { MOS-S-RAM } \end{aligned}$ | $-20$ | 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 | $\begin{aligned} & \text { 74LS02FP } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503N0002 | 1 |
| 78 | Q14 | SN74LS06NS <br> BIP digital IC <br> (so) | 700A0550N0006 | 1 |
| 79 | Q5 | SN74LSIONS <br> BIP digital IC (SO) | 700A0550N0010 | 1 |
| 80 | Q1 | SN74LS244NS <br> BIP digital IC <br> (SO) | 700A0550N0244 | 1 |
| 81 | Q6,15 | NJM2901M <br> BIP 1inear IC <br> (SO) | 720A0528N0002 | 2 |
| 82 | Q7 | $\begin{aligned} & \text { MSM80C154VGS-V1K-1 (FP) } \\ & \text { MOS-CPU } \end{aligned}$ | 851A0124N0013 | 1 |
| 83 | Q11 | $\begin{aligned} & \text { MSM6990GS-V1K } \\ & \text { MOS digital IC } \end{aligned}$ | 702A2024N0003 | 1 |
| 84 85 |  |  |  |  |
| 86 | TR106 | $\begin{aligned} & \text { 2SA1331 } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1032N0002 | 1 |
| 87 | TR19 | 2SC3361 <br> NPN-HF-TR <br> (CP) | 602Al032N0002 | 1 |
| 88 | TR107 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1003N0002 | 1 |
| 89 | $\begin{aligned} & \operatorname{TR11,13,104,} \\ & 111 \end{aligned}$ | $\begin{aligned} & 2 \mathrm{SC} 3361 / 2 \mathrm{SC} 2412 \mathrm{~K} \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1003N0002 | 4 |
| 90 | $\begin{aligned} & \operatorname{TR} 14,15,20, \\ & 109,118,120 \end{aligned}$ | A1344/UN2111/DTA114K <br> PNP-HF-TR <br> (CP) | 600A1003N0003 | 6 |
| 91 | TR17 | $\begin{align*} & 2 \mathrm{SC} 2713  \tag{CP}\\ & \text { NPN-HF-TR } \end{align*}$ | 602A1025N0050 | 1 |
| 92 | TR3 | $\begin{aligned} & \text { 2SD1472 } \\ & \text { NPN-LF-TR } \end{aligned}$ | 603A1121N0007 | 1 |
| 93 | TR1 | $\begin{aligned} & 2 \mathrm{SB} 1123 \\ & \text { PNP-LF-TR } \end{aligned}$ | 601A1032N0002 | 1 |
| 94 | TRS | $\begin{aligned} & \text { 2SB882 } \\ & \text { PNP-LF-TR } \end{aligned}$ | 601A1132M0003 | 1 |
| $\begin{aligned} & 95 \\ & 96 \end{aligned}$ | Q2, 3 | $\begin{aligned} & \text { M54661P/LB1731 } \\ & \text { BIP-INF-IC } \end{aligned}$ | 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 | $\begin{aligned} & \text { M54646P } \\ & \text { BIP linear IC } \end{aligned}$ | 720A1822M0002 | 1 |
| 98 | MTDV | $\begin{aligned} & \text { HA13412 } \\ & \text { BIP 1inear IC } \end{aligned}$ | 720A4021E0004 | 1 |
| 99 | BAT | CR2430-FI6 <br> Lithium battery | 455A3027P0001 | 1 |
| 100 | L1 | ```OL1614-102KR70 H coil``` | 353A3002K0102 | 1 |
| 101 | SP1,2 | FFC-6AMEP1 <br> FC connector | 225A3123P0060 | 2 |
| 102 | SP3 | FFC-3AMEP1 <br> FC connector | 225A3123P0030 | 1 |
| 103 | S102 | MCR18-JPW <br> Chip jumper <br> (CP) | 323A5011P0001 | 1 |
| 104 | CN1 | AK-127S15D <br> PC connector | 224A1156P0150 | 1 |
| 105 | CN2 | $\begin{aligned} & \mathrm{Z}-355 \mathrm{~S} \\ & \mathrm{PC} \text { connector } \end{aligned}$ | 224A3198P0240 | 1 |
| 106 | CN3 | MCR69-30D-2.54DS PC connector | 224A1052P0300 | 1 |
| 107 | CN5 | $\begin{aligned} & \text { 57LE-40360-7300 (D53) } \\ & \text { Square connector } \end{aligned}$ | 220A1423P0361 | 1 |
| 108 | CN4 | TCS7688-01-201 <br> Round connector | 221A1622P0081 | 1 |
| 109 | 3 | DIC-252 <br> PC connector | 224A3182P0020 | 1 |
| 110 | PE | EE-SX1042 <br> Photocoupler | 652A0127M0012 | 1 |
| 111 | Q13 | DL2-28A-05 <br> IC socket | 245A1155P0280 | 1 |
| 112 | L3,5,7 | FBA04HA900KF-00 <br> Beads core | 105A1222C1001 | 3 |
| 113 | L2, 4 | $\begin{aligned} & \text { DST306-55F } 103 Z \\ & \text { EMI filter } \end{aligned}$ | 342A1004P2103 | 2 |
| 114 | OSC | FAR-C4SB16000000M12C Piezoelectric vibrator | 381A2001B0005 | 1 |
| 115 | BASW | MSW-1731CVC <br> Leaf switch | 218A7050P0001 | 1 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (7/7) REV. 3 PCB version 3
For: $G 100,101,102,106,200,201,202,204$


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 | DFAlA1 <br> Rectifier DI | 610A0221L0021 | 1 |
| 2 | D4 | $\begin{aligned} & \text { EM1Z/SM-1A-02/DSA1A2 } \\ & \text { Rectifier DI } \end{aligned}$ | 610A0003M0001 | 1 |
| 3 |  |  |  |  |
| 4 | $\begin{aligned} & \text { D10,12,18,21, } \\ & 105,112,121 \end{aligned}$ | MA151WK/DAN202K <br> Signal DI <br> (CP) | 611A0003N0003 | 7 |
| 5 | D113 | $\begin{aligned} & \text { MA3075-M/RD7.5M-B2 } \\ & \text { Zener DI } \end{aligned}$ | 613A0103M0152B | 1 |
| 6 | D101 | MA3300-M <br> Zener DI <br> (CP) | 613A0291M0292M | 1 |
| 7 | D16,114 | $\begin{aligned} & \text { MA3300/RD30M-B } \\ & \text { Zener DI } \end{aligned}$ | 613A0103M0292 | 2 |
| 8 | D103,110 | $\begin{aligned} & \text { MA3047-H } \\ & \text { Zener DI } \end{aligned}$ | 613A0291M0102H | 2 |
| 9 | D102 | MA3100/RD10M-B <br> Zener DI <br> (CP) | 613A0103M0182 | 1 |
| 10 | D119 | RD2.7M-B1 <br> Zener DI <br> (CP) | 613A0233M0042A | 1 |
| 11 | $\begin{aligned} & \mathrm{R} 99,121,151, \\ & 194 \end{aligned}$ | RM73B2B101J <br> RN resistor <br> (CP) | 323A5015J0101 | 4 |
| 12 | $\begin{aligned} & \mathrm{R} 55,86,87, \\ & 129,234-239 \end{aligned}$ | RM73B2B431J <br> RN resistor <br> (CP) | 323A5015J0431 | 10 |
| 13 | $\left\lvert\, \begin{aligned} & \text { R41, 104, 131 } \\ & 240 \end{aligned}\right.$ | RM73B2B511J <br> RN resistor <br> (CP) | 323A5015J0511 | 4 |
| 14 | R128 | RM73B2B561J <br> RN resistor <br> (CP) | 323A5015J0561 | 1 |
| 15 | R154 | RM73B2B751J <br> RN resistor <br> (CP) | 323A5015J0751 | 1 |
| 16 | $\begin{aligned} & \mathrm{R} 51,72,88,90, \\ & 161,162,187, \\ & 193 \end{aligned}$ | RM73B2B102J <br> RN resistor <br> (CP) | 323A5015J0102 | 8 |
| 17 |  |  |  |  |
| 18 | R34,127,133 | RM73B2B122J <br> RN resistor <br> (CP) | 323A5015J0122 | 3 |
| 19 | R53 | RM73B2B182J <br> RN resistor <br> (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/ |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20 | $\begin{aligned} & \mathrm{R} 35,37,52,62, \\ & 150,171,172, \\ & 220-228, \\ & 243-245 \end{aligned}$ | $\begin{aligned} & \text { RM73B2B202J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0202 | 19 |
| 21 |  |  |  |  |  |
| 22 | R109,135 | RM73B2B222J RN resistor | (CP) | 323A5015J0222 | 2 |
| 23 | $\begin{aligned} & \mathrm{R} 71,73- \\ & 80,101,105, \\ & 106,138,186, \\ & 203-208 \end{aligned}$ | RM73B2B332J RN resistor | (CP) | 323A5015J0332 | 20 |
| 24 |  |  |  |  |  |
| 25 | R137 | $\begin{aligned} & \text { RM73B2B472J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0472 | 1 |
| 2627 |  |  |  |  |  |
|  |  |  |  |  |  |
| 28 |  |  |  |  |  |
| 29 | R241,242 | RM73B2B201J RN resistor | ( CP) | 323A5015J0201 | 2 |
| 30 | $\begin{aligned} & \mathrm{R} 31,32,39,44, \\ & 58,81,82,140- \\ & 149,177,210 \end{aligned}$ | RM73B2B562J <br> RN resistor | ( CP ) | 323A5015J0562 | 19 |
| 31 |  |  |  |  |  |
| 32 | R139 | RM73B2B682J <br> RN resistor | (CP) | 323A5015J0682 | 1 |
| 33 | $\begin{aligned} & \mathrm{R} 36,38,54,70, \\ & 120,126,152, \\ & 155,157,179, \\ & 183,185,192, \\ & 195-202,211 \end{aligned}$ | RM73B2B103J <br> RN resistor | (CP) | 323A5015J0103 | 22 |
| 34 |  |  |  |  |  |
| 35 |  |  |  |  |  |
| 36 |  |  |  |  |  |
| 37 | R47,108,159 | RM73B2B223J RN resistor | (CP) | 323A5015J0223 | 3 |
| 38 | R60,165 | RM73B2B473J <br> 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/Nam |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 39 | R33 | $\begin{aligned} & \text { RM73B2B513J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0513 | 1 |
| 40 | R130 | RM73B2B683J <br> RN resistor | (CP) | 323A5015J0683 | 1 |
| 41 | $\begin{aligned} & \mathrm{R} 49,113-119, \\ & 124,125,153, \\ & 110 \end{aligned}$ | 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 <br> RN resistor | (CP) | 323A5015F0153 | 1 |
| 48 |  |  |  |  |  |
| 49 | R1,3,4 | MSF1/2B0.51 JJ RS resistor |  | 324A1001J0518 | 3 |
| 50 | R2 | RDI / $2 \mathrm{Y} 2 \mathrm{~K} \Omega \mathrm{~J}$ <br> RD resistor |  | 321A1431J0202 | 1 |
| 51 | R5 | FMR1-1.8 8 J <br> 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 <br> CC capacitor | (CP) | 303A3008K0471 | 2 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/7) REV. 3 PCB version 3
For: G103, 203, 205

| No. | Symbol | Type/Name |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 58 | $\begin{aligned} & \mathrm{C} 61,163,164 \\ & 166 \end{aligned}$ | CC3216SLlH821J CC capacitor | (CP) | 303A3008K0821 | 4 |
| 59 | C103,246 | CC3216SL1H102J CC capacitor |  | 303A3008K0102 | 2 |
| 60 | C136 | CK3216B1H472K CK capacitor | (CP) | 303A6009K3472 | 1 |
| 61 | C107,123 | CK3216F1H1032 CK capacitor | (CP) | 303A6009Z3103 | 2 |
| 62 | $\begin{aligned} & \text { C59,97,122, } \\ & 169,180,184, \\ & 190,191,215, \\ & 217,219,230, \\ & 232,254,255 \end{aligned}$ | CK3216F1H104Z CK capacitor | ( CP ) | 303A6009Z3104 | 15 |
| 63 64 |  |  |  |  |  |
| 65 | $\begin{aligned} & \mathrm{C} 16,18,20,21, \\ & 29,65,85,92 \end{aligned}$ | CK92F1El05ZS CK capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 1.0 \mu \end{aligned}$ | 303A4117Z2105 | 8 |
| 66 | C19,91 | CK92F1H155ZS CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 1.5 \mu \end{aligned}$ | 303A4117Z2155 | 2 |
| 67 | C13 | CQM-92PP2A223G CQ capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 0.022 \mu \end{aligned}$ | 306A4100G2223 | 1 |
| 68 | C17,23,27 | TCK45F2E103ZYA <br> CK capacitor | $\begin{aligned} & 250 \mathrm{~V} \\ & 10000 \mathrm{P} \end{aligned}$ | 302A4027Z5103 | 3 |
| 69 | C10 | CEUSM2A3R3 <br> CE capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 3.3 \mu \end{aligned}$ | 304A1041A2339 | 1 |
| 70 | C8 |  |  | 304A1046E1220 | 1 |
| 71 | C9 | CEUSMIE470 <br> CE capacitor | $\begin{aligned} & 25 V \\ & 47 \mu \end{aligned}$ | 304A1041E1470 | 1 |
| 72 | C11,12,15 | CEUSM1H100 <br> CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mathrm{\mu} \end{aligned}$ | 304A1041H1100 | 3 |
| 73 | C14 | SRC50VB-680(M) <br> CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 680 \mu \end{aligned}$ | 304A1035H1681 | 1 |
| 74 |  |  |  |  |  |
| 75 | Q8,9 | $\begin{aligned} & \text { M5M4464P-12 } \\ & \text { MOS-D-RAM } \end{aligned}$ |  | 802A2022M8302 | 2 |
| 76 | Q12 | $\begin{aligned} & 5128-20 \mathrm{GS} / 55170 \\ & \text { MOS-S-RAM } \end{aligned}$ | $\begin{aligned} & -20 \\ & (\mathrm{SO}) \end{aligned}$ | 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 | $\begin{aligned} & \text { 74LS02FP } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503N0002 | 1 |
| 78 | Q14 | SN74LS06NS <br> BIP digital IC <br> (SO) | 700A0550N0006 | 1 |
| 79 | Q5 | SN74LSIONS <br> BIP digital IC <br> (SO) | 700A0550N0010 | 1 |
| 80 | Q1 | SN74LS244NS <br> BIP digital IC <br> (SO) | 700A0550N0244 | 1 |
| 81 | Q6,15 | NJM2901M <br> BIP linear IC (SO) | 720A0528N0002 | 2 |
| 82 | Q7 | $\begin{aligned} & \text { MSM80C154VGS-VIK-1 } \\ & \text { MOS-CPU (FP) } \end{aligned}$ | 851A0124N0013 | 1 |
| 83 | Q11 | $\begin{aligned} & \text { MSM6990GS-V1K } \\ & \text { MOS digital IC } \end{aligned}$ | 702A2024N0003 | 1 |
| 84 |  |  |  |  |
| 85 |  |  |  |  |
| 86 | TR106 | $\begin{align*} & \text { 2SA1331 } \\ & \text { PNP-HF-TR } \tag{CP} \end{align*}$ | 600Al032N0002 | 1 |
| 87 | TR19 | $\begin{align*} & \text { 2SC3361 } \\ & \text { NPN-HF-TR } \tag{CP} \end{align*}$ | 602A1032N0002 | 1 |
| 88 | TR107 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1003N0002 | 1 |
| 89 | $\begin{aligned} & \operatorname{TR} 11,13,104, \\ & 111 \end{aligned}$ | $\begin{aligned} & \text { 2SC3361/2SC2412K } \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1003N0002 | 4 |
| 90 | $\begin{aligned} & \text { TR14,15,20, } \\ & 109,118,120 \end{aligned}$ | Al344/UN2111/DTA114K <br> PNP-HF-TR <br> (CP) | 600A1003N0003 | 6 |
| 91 | TR17 | $\begin{aligned} & \text { 2SC2713 } \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1025N0050 | 1 |
| 92 | TR3 | $\begin{aligned} & \text { 2SD1472 } \\ & \text { NPN-LF-TR } \end{aligned}$ | 603A1121N0007 | 1 |
| 93 | TR1 | $\begin{aligned} & 2 \mathrm{SBI} 123 \\ & \text { PNP-LF-TR } \end{aligned}$ | 601A1032N0002 | 1 |
| 94 | TR5 | $\begin{aligned} & \text { 2SB882 } \\ & \text { PNP-LF-TR } \end{aligned}$ | 601A1132M0003 | 1 |
| 95 |  |  |  |  |
| 96 | Q2,3 | $\begin{aligned} & \text { M54661P/LB1731 } \\ & \text { BIP-INF-IC } \end{aligned}$ | 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 <br> BIP 1inear IC | 720A1822M0002 | 1 |
| 98 | MTDV | HA13412 <br> BIP linear IC | 720A4021E0004 | 1 |
| 99 | BAT | CR2430-FI6 <br> Lithium battery | 455A3027P0001 | 1 |
| 100 | L1 | ```OL1614-102KR70 H coil``` | 353A3002K0102 | 1 |
| 101 | SP1,2 | FFC-6AMEP1 <br> FC connector | 225A3123P0060 | 2 |
| 102 | SP3 | FFC-3AMEP1 <br> FC connector | 225A3123P0030 | 1 |
| 103 | S102 | MCR18-JPW <br> Chip jumper <br> (CP) | 323A5011P0001 | 1 |
| 104 | CNI | AK-127S15D <br> PC connector | 224A1156P0150 | 1 |
| 105 | CN2 | $z-355 s$ <br> PC connector | 224A3198P0240 | 1 |
| 106 | CN3 | MCR69-30D-2.54DS PC connector | 224A1052P0300 | 1 |
| 107 | CN5 | 57LE-40360-7300 (D53) <br> Square connector | 220A1423P0361 | 1 |
| 108 | CN4 | TCS7688-01-201 <br> Round connector | 221A1622P0081 | 1 |
| 109 |  | DIC-252 <br> PC connector | 224A3182P0020 | 1 |
| 110 | PE | EE-SX1042 <br> Photocoupler | 652A0127M0012 | 1 |
| 111 | Q13 | IC26-3206-GS4 <br> IC socket | 245A1016P0320 | 1 |
| 112 | L3,5,7 | FBA04HA900KF-00 <br> Beads core | 105A1222C1001 | 3 |
| 113 | L2,4 | $\begin{aligned} & \text { DST306-55F103Z } \\ & \text { EMI filter } \end{aligned}$ | $342 \mathrm{Al004P2103}$ | 2 |
| 114 | OSC | FAR-C4SB16000000M120 <br> Piezoelectric vibrator | 381A2001B0005 | 1 |
| 115 | BASW | MSW-1731CVC <br> 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 $\mathrm{L}=30.48 \mathrm{P}=15.24 \mathrm{~N}=3$ | 3LH-31313-10 | 1 |
|  |  | X165 thermal fuse or 251-001 fuse | 540A2208S1102 | 1 1 |

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LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 4 PCB version 4 For: $G 100,101,102,106,200,201,202,204$

| No. | Symbol | Type/Nam |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | D2 | DFAlA1 <br> Rectifier DI |  | 610A0221L0021 | 1 |
| 2 | D4 | $\begin{aligned} & \text { EM1Z/SM-1A-02/DSA1A2 } \\ & \text { Rectifier DI } \end{aligned}$ |  | 610A0003M0001 | 1 |
| 3 | $\begin{aligned} & \mathrm{D} 10,12,18,21, \\ & 105,112,121 \end{aligned}$ | MA151WK/DAN202K <br> Signal DI | (CP) | 611A0003N0003 | 7 |
| 4 | D113 | $\begin{aligned} & \text { MA3075-M/RD7.5M } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0103M0152B | 1 |
| 5 | D101 | $\left\lvert\, \begin{aligned} & \text { MA3300-M } \\ & \text { Zener DI } \end{aligned}\right.$ | $(C P)$ | 613A0291M0292M | 1 |
| 6 | D16,114 | $\begin{aligned} & \text { MA3300/RD30M-B } \\ & \text { Zener DI } \end{aligned}$ | $(C P)$ | 613A0103M0292 | 2 |
| 7 | D103,110 | MA3047-H <br> Zener DI | (CP) | 613A0291M0102H | 2 |
| 8 | D102 | $\begin{aligned} & \text { MA3100/RDIOM-B } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0103M0182 | 1 |
| 9 | D119 | RD2.7M-B1 <br> Zener DI | (CP) | 613A0233M0042A | 1 |
| 10 |  |  |  |  |  |
| 11 | $\begin{aligned} & \mathrm{R} 99,121,151, \\ & 194 \end{aligned}$ | RM73B2B101J RN resistor | (CP) | 323A5015J0101 | 4 |
| 12 | $\begin{aligned} & \mathrm{R} 55,86,87, \\ & 129,234-239 \end{aligned}$ | RM73B2B431J RN resistor | (CP) | 323A5015J0431 | 10 |
| 13 | $\begin{aligned} & \text { R41, 104, 131, } \\ & 240 \end{aligned}$ | RM73B2B511J RN resistor | (CP) | 323A5015J0511 | 4 |
| 14 | R128 | RM73B2B561J <br> RN resistor | (CP) | 323A5015J0561 | 1 |
| 15 | R154 | RM73B2B751J | (CP) | 323A5015J0751 | 1 |
| 16 | $\begin{aligned} & \mathrm{R} 51,72,88,90 \\ & 161,162,187, \\ & 193 \end{aligned}$ | RM73B2B102J <br> RN resistor | (CP) | 323A5015J0102 | 8 |
| 17 |  |  |  |  |  |
| 18 | R34,127,133 | $\begin{aligned} & \text { RM73B2B122J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0122 | 3 |
| 19 | R53 | RM73B2B182J <br> RN resistor | (CP) | 323A5015J0182 | 1 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 4 PCB version 4
For: G100, 101, 102, 106, 200, 201, 202, 204

| No. | Symbol | Type/ |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20 | $\begin{aligned} & \mathrm{R} 35,37,52,62, \\ & 150,171,172, \\ & 220-228, \\ & 243-245 \end{aligned}$ | RM73B2B202J <br> RN resistor | (CP) | 323A5015J0202 | 19 |
| 21 |  |  |  |  |  |
| 22 | R109,135 | RM73B2B222J <br> RN resistor | (CP) | 323A5015J0222 | 2 |
| 23 | $\begin{aligned} & \mathrm{R} 71,73- \\ & 80,101,105, \\ & 106,138,186, \\ & 203-208 \end{aligned}$ | RM73B2B332J RN resistor | (CP) | 323A5015J0332 | 20 |
| 24 |  |  |  |  |  |
| 25 | R137 | RM73B2B472J <br> RN resistor | (CP) | 323A5015J0472 | 1 |
| 26 |  |  |  |  |  |
| 27 |  |  |  |  |  |
| 28 |  |  |  |  |  |
| 29 | R241,242 | RM73B2B201J RN resistor | (CP) | 323A5015J0201 | 2 |
| 30 | $\begin{aligned} & \mathrm{R} 31,32,39,44, \\ & 58,81,82,140- \\ & 149,177,210 \end{aligned}$ | RM73B2B562J RN resistor | (CP) | 323A5015J0562 | 19 |
| 31 |  |  |  |  |  |
| 32 | R139 | RM73B2B682J RN resistor | (CP) | 323A5015J0682 | 1 |
| 33 | $\begin{aligned} & \mathrm{R} 36,38,54,70, \\ & 120,126,152, \\ & 155,157,179, \\ & 183,185,192, \\ & 195-202,211 \end{aligned}$ | RM73B2B103J RN resistor | (CP) | 323A5015J0103 | 22 |
| 34 35 |  |  |  |  |  |
| 36 | R96 | RM73B2B303J RN resistor |  | 323A5015J0303 | 1 |
| 37 | R47, 108,159, | RM73B2B223J <br> 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/Nam |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 39 | R33 | RM73B2B513J <br> RN resistor | (CP) | 323A5015J0513 | 1 |
| 40 | R130 | RM73B2B683J RN resistor | (CP) | 323A5015J0683 | 1 |
| 41 | $\begin{aligned} & \text { R49,93,110, } \\ & 113-117,119, \\ & 124,125,153 \end{aligned}$ | RM73B2B104J RN resistor | (CP) | 323A5015J0104 | 12 |
| 42 |  |  |  |  |  |
| 43 | R30 | RM73B2B224J <br> RN resistor | (CP) | 323A5015J0224 | 1 |
| 44 | R42,45,46 | RM73B2B242F <br> RN resistor | (CP) | 323A5015F0242 | 3 |
| 45 | R134 | RM73B2B124F RN resistor | (CP) | 323 A 5015 F 0124 | 1 |
| 46 | R43 | RM73B2B222F <br> RN resistor | (CP) | 323A5015F0222 | 1 |
| 47 | R50 | RM73B2B153F <br> RN resistor | (CP) | 323A5015F0153 | 1 |
| 48 |  |  |  |  |  |
| 49 | R1,3,4 | MSF1/2B0.51 JJ <br> RS resistor |  | 324A1001J0518 | 3 |
| 50 | R2 | $\begin{aligned} & \mathrm{RDl} / 2 \mathrm{Y} 2 \mathrm{k} \Omega \mathrm{~J} \\ & \mathrm{RD} \text { resistor } \end{aligned}$ |  | 321A1431J0202 | 1 |
| 51 | R5 | FMR1-1.8 J <br> Fuse resistor |  | 327A1002J0189 | 1 |
| 52 |  |  |  |  |  |
| 53 | C94,233 | $\begin{aligned} & \text { CC3216SL1H561J } \\ & \text { CC capacitor } \end{aligned}$ | (CP) | 303A3008K0561 | 2 |
| 54 | C102 | CC3216SL1H100D CC capacitor | (CP) | 303A3008K0100 | 1 |
| 55 | C89,229,231 | CC3216SLlH101J 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 | $\begin{aligned} & \mathrm{C} 61,163,164, \\ & 166 \end{aligned}$ | $\begin{aligned} & \text { CC3216SLlH821J } \\ & \text { CC capacitor } \end{aligned}$ | $(C P)$ | 303A6009K0821 | 4 |
| 59 | C103,246 | CC3216SL1H102J CC capacitor | (CP) | 303A3008K0102 | 2 |
| 60 | C136 | CK3216B1H472K CK capacitor | (CP) | 303A6009K3472 | 1 |
| 61 | C107,123 | CK3216F1H103Z <br> CK capacitor | ( $C P$ ) | 303A6009Z3103 | 2 |
| 62 | $\begin{aligned} & \text { C59,97,122, } \\ & 169,180,184, \\ & 190,191,215, \\ & 217,219,230, \\ & 232,254,255 \end{aligned}$ | CK3216F1H104Z <br> CK capacitor | (CP) | 303A6009Z3104 | 15 |
| 63 64 |  |  |  |  |  |
| 65 | $\begin{aligned} & \mathrm{Cl} 6,18,20,21, \\ & 29,65,85,92 \end{aligned}$ | CK92FlE105ZS CK capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 1.0 \mu \end{aligned}$ | 303A411722105 | 8 |
| 66 | C19,91 | CK92F1H155ZS CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 1.5 \mu \end{aligned}$ | 303A4117Z2155 | 2 |
| 67 | Cl3 | CQM-92PP2A223G CQ capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 0.022 \mu \end{aligned}$ | 306A4100G2223 | 1 |
| 68 | C17,23,27 | TCK45F2E103ZYA CK capacitor | $\begin{aligned} & 250 \mathrm{~V} \\ & 10000 \mathrm{P} \end{aligned}$ | 302A4027Z5103 | 3 |
| 69 | C10 | CEUSM2A3R3 CE capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 3.3 \mu \end{aligned}$ | 304A1041A2339 | 1 |
| 70 | C8 |  |  | 304A1046E1220 | 1 |
| 71 | C9 | CEUSM1E470 <br> CE capacitor | $\begin{aligned} & 25 V \\ & 47 \mu \end{aligned}$ | 304A1041E1470 | 1 |
| 72 | C11,12,15 | CEUSM1H100 CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mu \end{aligned}$ | 304A1041H1100 | 3 |
| 73 | C14 | SRC50VB-680(M) <br> CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 680 \mu \end{aligned}$ | 304A1035H1681 | 1 |
| 74 |  |  |  |  |  |
| 75 | Q8,9 | $\begin{aligned} & \text { M5M4464P-12 } \\ & \text { MOS-D-RAM } \end{aligned}$ |  | 802A2022M8302 | 2 |
| 76 | Q12 | $\begin{aligned} & 5128-20 \mathrm{GS} / 5517 \mathrm{C} \\ & \text { MOS-S-RAM } \end{aligned}$ | $\begin{aligned} & -20 \\ & (\text { SO }) \end{aligned}$ | 804A0003N4302 | 1 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (5/7) REV. 4 PCB version 4 For: $\mathrm{G} 100,101,102,106,200,201,202,204$

| No. | Symbol | Type/Name | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: |
| 77 | Q4 | $\begin{aligned} & \text { 74LS02FP } \\ & \text { BIP digital IC } \quad \text { (So) } \end{aligned}$ | 700A0503N0002 | 1 |
| 78 | Q14 | SN74LS06NS BIP digital IC | 700A0550N0006 | 1 |
| 79 | Q5 | $\begin{array}{\|l} \text { SN74LSIONS } \\ \text { BIP digital IC (SO) } \end{array}$ | 700A0550N0010 | 1 |
| 80 | Q1 | SN74LS244NS BIP digital IC | 700A0550N0244 | 1 |
| 81 | Q6,15 | NJM2901M <br> BIP linear IC (SO) | 720A0528N0002 | 2 |
| 82 | Q7 | $\begin{aligned} & \text { MSM80C154VGS-V1K-1 } \\ & \text { MOS-CPU } \end{aligned}$ | 851A0124N0013 | 1 |
| 83 | Q11 | MSM6990GS-V1K <br> MOS digital IC (FP) | 702A2024N0003 | 1 |
| 84 85 |  |  |  |  |
| 86 | TR106 | $\begin{aligned} & \text { 2SA1331 } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1032N0002 | 1 |
| 87 | TR19 | $\left\lvert\, \begin{aligned} & 2 \mathrm{SC} 3361 \\ & \text { NPN-HF-TR } \end{aligned}\right.$ | 602A1032N0002 | 1 |
| 88 | TR107 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600Al003N0002 | 1 |
| 89 | $\begin{aligned} & \operatorname{TR} 11,13,104, \\ & 111 \end{aligned}$ | $\begin{aligned} & 2 \mathrm{SC} 3361 / 2 \mathrm{SC} 2412 \mathrm{~K} \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1003N0002 | 4 |
| 90 | $\begin{aligned} & \text { TR14,15,20, } \\ & 109,118,120 \end{aligned}$ | Al344/UN2111/DTA114K PNP-HF-TR (CP) | 600A1003N0003 | 6 |
| 91 | TR17 | $\begin{aligned} & 2 \mathrm{SC} 2713 \\ & \mathrm{NPN}-\mathrm{HF}-\mathrm{TR} \end{aligned}$ | 602A1025N0050 | 1 |
| 92 | TR3 | $\begin{array}{\|l\|} \hline 2 \text { SD1472 } \\ \text { NPN-LF-TR } \end{array}$ | 603A1121N0007 | 1 |
| 93 | TR1 | $\begin{aligned} & 2 \text { 2SB1123 } \\ & \text { PNP-LF-TR } \end{aligned}$ | 601A1032N0002 | 1 |
| 94 | TRS | $\begin{aligned} & \text { 2SB882 } \\ & \text { PNP-LF-TR } \end{aligned}$ | 601Al132M0003 | 1 |
| $\begin{aligned} & 95 \\ & 96 \end{aligned}$ | Q2,3 | $\begin{aligned} & \text { M54661P/LB1731 } \\ & \text { BIP-INF-IC } \end{aligned}$ | 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 | $\begin{aligned} & \text { M54646P } \\ & \text { BIP linear IC } \end{aligned}$ | 720A1822M0002 | 1 |
| 98 | MTDV | HA13412 <br> BIP 1inear IC | 720A4021E0004 | 1 |
| 99 | BAT | CR2430-FI6 <br> Lithium battery | 455A3027P0001 | 1 |
| 100 | L1 | $\begin{align*} & \text { OL1614-102KR70 }  \tag{D}\\ & \text { H coi1 } \end{align*}$ | 353A3002K0102 | 1 |
| 101 |  |  |  |  |
| 102 | SP1,3 | FFC-3AMEP1 FC connector | 225A3123P0030 | 2 |
| 103 | S102 | MCR18-JPW <br> Chip jumper <br> (CP) | 323A5011P0001 | 1 |
| 104 | CN1 | AK-127S15D <br> PC connector | 224A1156P0150 | 1 |
| 105 | CN2 | $\begin{aligned} & \mathrm{Z}-355 \mathrm{~S} \\ & \text { PC connector } \end{aligned}$ | 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 <br> Round connector | 221A1622P0081 | 1 |
| 109 | 3 | DIC-252 <br> PC connector | 224A3182P0020 | 1 |
| 110 | PE | EE-SX1042 <br> Photocoupler | 652A0127M0012 | 1 |
| 111 | Q13 | $\begin{aligned} & \text { DL2-28A-05 } \\ & \text { IC socket } \end{aligned}$ | 245A1155P0280 | 1 |
| 112 | L3, 5, 7 | FBA04HA900KF-00 <br> Beads core | 105A1222C1001 | 3 |
| 113 | L2,4 | $\begin{aligned} & \text { DST306-55F } 103 Z \\ & \text { EMI filter } \end{aligned}$ | 342A1004P2103 | 2 |
| 114 | OSC | FAR-C4SB16000000M12C <br> Piezoelectric vibrator | 381A2001B0005 | 1 |
| 115 | BASW | $\begin{aligned} & \text { MSW-1731CVC } \\ & \text { Leaf switch } \end{aligned}$ | 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


LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 4 PCB version 4 For: G103, 203, 205

| No. | Symbol | Type/Nam |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | D2 | DFAlA1 <br> Rectifier DI |  | 610A0221L0021 | 1 |
| 2 | D4 | $\begin{aligned} & \text { EM1Z/SM-1A-02/DSA1A2 } \\ & \text { Rectifier DI } \end{aligned}$ |  | 610A0003M0001 | 1 |
| 3 | $\left\lvert\, \begin{aligned} & \text { D10,12,18,21, } \\ & 105,112,121 \end{aligned}\right.$ | MA151WK/DAN202K <br> Signal DI <br> (CP) |  | 611A0003N0003 | 7 |
| 4 | D113 | $\begin{aligned} & \text { MA3075-M/RD7.5M-B2 } \\ & \text { Zener DI } \end{aligned}$ |  | 613A0103M0152B | 1 |
| 5 | D101 | $\begin{aligned} & \text { MA3300-M } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0291M0292M | 1 |
| 6 | D16,114 | $\begin{aligned} & \text { MA3300/RD30M-B } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0103M0292 | 2 |
| 7 | D103,110 | MA3047-H <br> Zener DI | (CP) | 613A0291M0102H | 2 |
| 8 | D102 | $\begin{aligned} & \text { MA3100/RD10M-B } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0103M0182 | 1 |
| 9 | D119 | RD2.7M-B1 <br> Zener DI | (CP) | 613A0233M0042A | 1 |
| 10 |  |  |  |  |  |
| 11 | $\begin{aligned} & \mathrm{R} 99,121,151, \\ & 194 \end{aligned}$ | RM73B2B101J <br> RN resistor | (CP) | 323A5015J0101 | 4 |
| 12 | $\begin{aligned} & \mathrm{R} 55,86,87, \\ & 129,234-239 \end{aligned}$ | RM73B2B431J <br> RN resistor | (CP) | 323A5015J0431 | 10 |
| 13 | $\begin{aligned} & \text { R41, 104, 131, } \\ & 240 \end{aligned}$ | RM73B2B511J RN resistor | (CP) | 323A5015J0511 | 4 |
| 14 | R128 | RM73B2B561J RN resistor | (CP) | 323A5015J0561 | 1 |
| 15 | R154 | RM73B2B751J RN resistor | (CP) | 323A5015J0751 | 1 |
| 16 | $\begin{aligned} & \mathrm{R} 51,72,88,90 \\ & 161,162,187, \\ & 193 \end{aligned}$ | RM73B2B102J <br> 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/ |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20 | $\begin{aligned} & \mathrm{R} 35,37,52,62, \\ & 150,171,172, \\ & 220-228, \\ & 243-245 \end{aligned}$ | RM73B2B202J RN resistor | (CP) | 323A5015J0202 | 19 |
| 21 |  |  |  |  |  |
| 22 | R109,135 | RM73B2B222J RN resistor | (CP) | 323A5015J0222 | 2 |
| 23 | $\begin{aligned} & \mathrm{R} 71,73- \\ & 80,101,105, \\ & 106,138,186, \\ & 203-208 \end{aligned}$ | 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 | $\begin{aligned} & \text { R31,32,39,44, } \\ & 58,81,82,140- \\ & 149,177,210 \end{aligned}$ | $\begin{aligned} & \text { RM73B2B562J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0562 | 19 |
| 31 |  |  |  |  |  |
| 32 | R139 | RM73B2B682J RN resistor | (CP) | 323A5015J0682 | 1 |
| 33 | $\begin{aligned} & \mathrm{R} 36,38,54,70, \\ & 120,126,152, \\ & 155,157,179, \\ & 183,185,192, \\ & 195-202,211 \end{aligned}$ | RM73B2B103J <br> 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/Nam |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 39 | R33 | $\begin{aligned} & \text { RM73B2B513J } \\ & \text { RN resistor } \end{aligned}$ | $(C P)$ | 323A5015J0513 | 1 |
| 40 | R130 | $\begin{aligned} & \text { RM73B2B683J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0683 | 1 |
| 41 | $\begin{aligned} & \mathrm{R} 49,93,110, \\ & 113-117,119, \\ & 124,125,153 \end{aligned}$ | RM73B2B104J RN resistor | (CP) | 323A5015J0104 | 12 |
| 42 |  |  |  |  |  |
| 43 | R30 | RM73B2B224J RN resistor | (CP) | 323A5015J0224 | 1 |
| 44 | R42,45,46 | RM73B2B242F <br> RN resistor | ( CP) | 323A5015F0242 | 3 |
| 45 | R134 | RM73B2B124F <br> RN resistor | (CP) | 323A5015F0124 | 1 |
| 46 | R43 | RM73B2B222F <br> RN resistor | (CP) | 323A5015F0222 | 1 |
| 47 | R50 | RM73B2B153F RN resistor | (CP) | 323A5015F0153 | 1 |
| 48 |  |  |  |  |  |
| 49 | R1, 3,4 | MSF1/2B0.51 gJ RS resistor |  | 324A1001J0518 | 3 |
| 50 | R2 | RD1/2Y2K $\Omega$ <br> RD resistor |  | 321A1431J0202 | 1 |
| 51 | R5 | FMR1-1.8 JJ <br> Fuse resistor |  | 327A1002J0189 | 1 |
| 52 |  |  |  |  |  |
| 53 | C94,233 | CC3216SL1H561J CC capacitor | ( CP ) | 303A3008K0561 | 2 |
| 54 | C102 | CC3216SL1H100D CC capacitor | (CP) | 303 A 3008 K 0100 | 1 |
| 55 | C89,229,231 | CC3216SL1H101J CC capacitor | (CP) | 303 A 3008 K 0101 | 3 |
| 56 | C132 | CC3216SLIH221J CC capacitor | (CP) | 303A3008K0221 | 1 |
| 57 | C83,188 | CC3216SL1H471J <br> CC capacitor | (CP) | 303 A 3008 K 0471 | 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 | $\begin{aligned} & C 61,163,164, \\ & 166 \end{aligned}$ | 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 | $\begin{aligned} & C 59,97,122, \\ & 169,180,184, \\ & 190,191,215, \\ & 217,219,230, \\ & 232,254,255 \end{aligned}$ | CK3216F1H104Z CK capacitor | (CP) | 303A6009Z3104 | 15 |
| 63 |  |  |  |  |  |
| 64 |  |  |  |  |  |
| 65 | $\begin{aligned} & C 16,18,20,21, \\ & 29,65,85,92 \end{aligned}$ | CK92F1E105ZS CK capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 1.0 \mu \end{aligned}$ | 303A4117Z2105 | 8 |
| 66 | C19,91 | CK92F1H155ZS CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 1.5 \mu \end{aligned}$ | 303A411722155 | 2 |
| 67 | C13 | CQM-92PP2A223G <br> CQ capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 0.022 \mu \end{aligned}$ | 306A4100G2223 | 1 |
| 68 | C17,23,27 | TCK45F2E103ZYA CK capacitor | $\begin{aligned} & 250 \mathrm{~V} \\ & 10000 \mathrm{P} \end{aligned}$ | 302A4027Z5103 | 3 |
| 69 | C10 | CEUSM2A3R3 <br> CE capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 3.3 \mu \end{aligned}$ | 304A1041A2339 | 1 |
| 70 | C8 |  |  | 304A1046E1220 | 1 |
| 71 | C9 | CEUSM1E470 <br> CE capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 47 \mu \end{aligned}$ | 304A1041E1470 | 1 |
| 72 | C11,12,15 | CEUSM1H100 CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mathrm{u} \end{aligned}$ | 304A1041H1100 | 3 |
| 73 | C14 | SRC50VB-680(M) <br> CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 680 \mu \end{aligned}$ | 304 Al 1035 Hl 681 | 1 |
| 74 |  |  |  |  |  |
| 75 | Q8,9 | $\begin{aligned} & \text { M5M4464P-12 } \\ & \text { MOS-D-RAM } \end{aligned}$ |  | 802A2022M8302 | 2 |
| 76 | Q12 | $\begin{aligned} & 5128-20 G S / 5517 \mathrm{C} \\ & \text { MOS-S-RAM } \end{aligned}$ | $\begin{aligned} & -20 \\ & (S O) \end{aligned}$ | 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 | $\left\lvert\, \begin{aligned} & \text { 74LSO2FP } \\ & \text { BIP digital IC } \end{aligned}\right.$ | 700A0503N0002 | 1 |
| 78 | Q14 | SN74LS06NS <br> BIP digital IC (SO) | 700A0550N0006 | 1 |
| 79 | Q5 | SN74LSIONS <br> BIP digital IC <br> (so) | 700A0550N0010 | 1 |
| 80 | Q1 | SN74LS244NS <br> BIP digital IC <br> (SO) | 700A0550N0244 | 1 |
| 81 | Q6,15 | NJM2901M <br> BIP linear IC <br> (SO) | 720A0528N0002 | 2 |
| 82 | Q7 | $\begin{aligned} & \text { MSM80C154VGS-V1K-1 } \\ & \text { MOS-CPU (FP) } \end{aligned}$ | 851A0124N0013 | 1 |
| 83 | Q11 | $\begin{aligned} & \text { MSM6990GS-V1K } \\ & \text { MOS digital IC (FP) } \end{aligned}$ | 702A2024N0003 | 1 |
| 84 85 |  |  |  |  |
| 86 | TR106 | $\begin{align*} & \text { 2SA1331 } \\ & \text { PNP-HF-TR } \tag{CP} \end{align*}$ | 600A1032N0002 | 1 |
| 87 | TR19 | $\begin{align*} & 2 \mathrm{SC} 3361 \\ & \text { NPN-HF-TR } \tag{CP} \end{align*}$ | 602A1032N0002 | 1 |
| 88 | TR107 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1003N0002 | 1 |
| 89 | $\begin{align*} & \text { TR11,13,104, }  \tag{CP}\\ & 111 \end{align*}$ | $\begin{aligned} & \text { 2SC3361/2SC2412K } \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1003N0002 | 4 |
| 90 | $\begin{aligned} & \text { TR14,15,20, } \\ & 109,118,120 \end{aligned}$ | A1344/UN2111/DTA114K <br> PNP-HF-TR <br> (CP) | 600A1003N0003 | 6 |
| 91 | TR17 | $\begin{aligned} & 2 \mathrm{SC} 2713 \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1025N0050. | 1 |
| 92 | TR3 | $\begin{align*} & 2 \mathrm{SD} 1472 \\ & \text { NPN-LF-TR } \tag{CP} \end{align*}$ | 603A1121N0007 | 1 |
| 93 | TR1 | $\begin{align*} & 2 \mathrm{SB} 1123 \\ & \text { PNP-LF-TR } \tag{CP} \end{align*}$ | 601A1032N0002 | 1 |
| 94 | TR5 | $\begin{aligned} & 2 \mathrm{SB} 882 \\ & \mathrm{PNP}-\mathrm{LF}-\mathrm{TR} \end{aligned}$ | 601Al132M0003 | 1 |
| 95 |  |  |  |  |
| 96 | Q2,3 | $\begin{aligned} & \text { M54661P/LB1731 } \\ & \text { BIP-INF-IC } \end{aligned}$ | 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 <br> BIP linear IC | 720A1822M0002 | 1 |
| 98 | MTDV | HAl3412 <br> BIP linear IC | 720A4021E0004 | 1 |
| 99 | BAT | CR2430-FI6 <br> Lithium battery | 455A3027P0001 | 1 |
| 100 | L1 | $\begin{align*} & \text { OL1614-102KR70 }  \tag{D}\\ & \text { H coil } \end{align*}$ | 353A3002K0102 | 1 |
| 101 |  |  |  |  |
| 102 | SP1,3 | FFC-3AMEP1 FC connector | 225A3123P0030 | 2 |
| 103 | S102 | MCR18-JPW <br> Chip jumper <br> (CP) | 323A5011P0001 | 1 |
| 104 | CN1 | $\begin{aligned} & A K-127 S 15 D \\ & P C \text { connector } \end{aligned}$ | 224A1156P0150 | 1 |
| 105 | CN2 | Z-355s <br> PC connector | 224A3198P0240 | 1 |
| 106 | CN3 | MCR69-30D-2.54DS <br> PC connector | 224A1052P0300 | 1 |
| 107 | CN5 | 57LE-40360-7300 (D53) Square connector | 220A1423P0361 | 1 |
| 108 | CN4 | TCS7688-01-201 <br> Round connector | 221A1622P0081 | 1 |
| 109 |  | DIC-252 <br> PC connector | 224A3182P0020 | 1 |
| 110 | PE | EE-SX1042 <br> Photocoupler | 652A0127M0012 | 1 |
| 111 | Q13 | $\begin{aligned} & \text { IC26-3206-GS4 } \\ & \text { IC socket } \end{aligned}$ | 245A1016P0320 | 1 |
| 112 | L3, 5, 7 | FBA04HA900KF-00 <br> Beads core | 105A1222C1001 | 3 |
| 113 | L2,4 | $\begin{aligned} & \text { DST306-55F103Z } \\ & \text { EMI filter } \end{aligned}$ | 342A1004P2103 | 2 |
| 114 | OSC | FAR-C4SB16000000M120 <br> Piezoelectric vibrator | 381A2001B0005 | 1 |
| 115 | BASW | $\begin{aligned} & \text { MSW-1731CVC } \\ & \text { Leaf switch } \end{aligned}$ | 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 $\mathrm{L}=30.48 \mathrm{P}=15.24 \mathrm{~N}=3$ | 3LH-31313-10 | 1 |
| 121 | F1 | $251-001$ <br> 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 |  |  |  |  |



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 <br> Rectifier DI |  | 610A0221L0021 | 1 |
| 2 | D4 | $\begin{aligned} & \text { EM1Z/SM-1A-02/DSA1A2 } \\ & \text { Rectifier DI } \end{aligned}$ |  | 610A0003M0001 | 1 |
| 3 | $\begin{aligned} & \mathrm{D} 10,12,18,21, \\ & 105,112,121 \end{aligned}$ | MA151WK/DAN202K <br> Signal DI <br> (CP) |  | 611A0003N0003 | 7 |
| 4 | D113 | $\begin{aligned} & \text { MA3075-M/RD7.5M-B2 } \\ & \text { Zener DI } \end{aligned}$ |  | 613A0103M0152B | 1 |
| 5 | D101 | $\begin{aligned} & \text { MA3300-M } \\ & \text { Zener DI } \end{aligned}$ |  | 613A0291M0292M | 1 |
| 6 | D16,114 | $\begin{aligned} & \text { MA3300/RD30M-B } \\ & \text { Zener DI } \end{aligned}$ |  | 613A0103M0292 | 2 |
| 7 | D103,110 | $\left\lvert\, \begin{array}{ll} \text { MA3047-H } \\ \text { Zener DI } \end{array}\right.$ |  | 613A0291M0102H | 2 |
| 8 | D102 | $\begin{aligned} & \text { MA3100/RD10M-B } \\ & \text { Zener DI } \end{aligned}$ |  | 613A0103M0182 | 1 |
| 9 | D119 | $\left\lvert\, \begin{aligned} & \text { RD2.7M-B1 } \\ & \text { Zener DI } \end{aligned}\right.$ |  | 613A0233M0042A | 1 |
| 10 |  |  |  |  |  |
| 11 | $\begin{aligned} & \mathrm{R} 99,121,151, \\ & 194 \end{aligned}$ | RM73B2B101J <br> RN resistor <br> (CP) |  | 323A5015J0101 | 4 |
| 12 | $\begin{aligned} & \text { R55, 86,87, } \\ & 129,234-239 \end{aligned}$ | RM73B2B431JRN resistor (CP) |  | 323A5015J0431 | 10 |
| 13 | ${ }_{240}^{\mathrm{R} 41,104,131,}$ | RM73B2B511JRN resistor (CP) |  | 323A5015J0511 | 4 |
| 14 | R128 | RM73B2B561J <br> RN resistor <br> (CP) |  | 323A5015J0561 | 1 |
| 15 | R154 | RM73B2B751J <br> RN resistor <br> (CP) |  | 323A5015J0751 | 1 |
| 16 | $\begin{aligned} & \text { R51,72,88,90, } \\ & 161,162,187, \\ & 193 \end{aligned}$ | RM73B2B102J (CP)RN resistor |  | 323A5015J0102 | 8 |
| 17 |  |  |  |  |  |
| 18 | R34,127,133 | RM73B2B122J <br> RN resistor | (CP) | 323A5015J0122 | 3 |
| 19 | R53 | RM73B2B182J <br> RN resistor | (CP) | 323A5015J0182 | 1 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 6, 7 PCB version 6, 7
For: $\mathrm{G} 100,101,102,106,200,201,202,204$

| No. | Symbol | Type/Name |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20 | $\begin{aligned} & \mathrm{R} 35,37,52,62, \\ & 150,171,172, \\ & 220-228, \\ & 243-245 \end{aligned}$ | RM73B2B202J RN resistor | (CP) | 323A5015J0202 | 19 |
| 21 |  |  |  |  |  |
| 22 | R109,135 | $\begin{aligned} & \text { RM73B2B222J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0222 | 2 |
| 23 | $\begin{aligned} & \mathrm{R} 71,73- \\ & 80,101,105, \\ & 106,138,186, \\ & 203-208 \end{aligned}$ | $\begin{aligned} & \text { RM73B2B332J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0332 | 20 |
| 24 |  |  |  |  |  |
| 25 | R137 | $\begin{aligned} & \text { RM73B2B472J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0472 | 1 |
| 26 |  |  |  |  |  |
| 27 |  |  |  |  |  |
| 28 |  |  |  |  |  |
| 29 | R241,242 | RM73B2B201J RN resistor | (CP) | 323A5015J0201 | 2 |
| 30 | $\begin{aligned} & R 31,32,39,44, \\ & 58,81,82,140- \\ & 149,177,210 \end{aligned}$ | $\begin{aligned} & \text { RM73B2B562J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0562 | 19 |
| 31 |  |  |  |  |  |
| 32 | R139 | RM73B2B682J RN resistor | (CP) | 323A5015J0682 | 1 |
| 33 | $\begin{aligned} & \mathrm{R} 36,38,54,70, \\ & 120,126,152, \\ & 155,157,179, \\ & 183,185,192, \\ & 195-202,211 \end{aligned}$ | RM73B2B103J RN resistor | (CP) | 323A5015J0103 | 22 |
| 34 |  |  |  |  |  |
| 35 |  |  |  |  |  |
| 36 | R96 | $\begin{aligned} & \text { RM73B2B303J } \\ & \text { RN resistor } \end{aligned}$ |  | 323A5015J0303 | 1 |
| 37 | R47,108,159, | RM73B2B223J RN resistor | (CP) | 323A5015J0223 | 3 |
| 38 | R60,165 | RM73B2B473J <br> RN resistor | (CP) | 323A5015J0473 | 2 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (3/7) REV. 6, 7 PCB version 6, 7 For: $\mathrm{G} 100,101,102,101,106,200,201,202,204$

| No. | Symbol | Type/Nam |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 39 | R33 | RM73B2B513J <br> RN resistor | (CP) | 323A5015J0513 | 1 |
| 40 | R130 | $\begin{aligned} & \text { RM73B2B683J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0683 | 1 |
| 41 | $\begin{aligned} & \mathrm{R} 49,93,110, \\ & 113-117,119, \\ & 124,125,153 \end{aligned}$ | 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 | MSF1/2B0.51 JJ <br> RS resistor |  | 324A1001J0518 | 3 |
| 50 | R2 | $\begin{aligned} & \mathrm{RD1} / 2 \mathrm{Y} 2 \mathrm{k} \Omega \mathrm{~J} \\ & \mathrm{RD} \text { resistor } \end{aligned}$ |  | 321A1431J0202 | 1 |
| 51 | R5 | FMR1-1.8 J <br> 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 | $\begin{aligned} & \mathrm{C} 61,163,164, \\ & 166 \end{aligned}$ | CC3216SL1H821J CC capacitor | (CP) | $303 \mathrm{~A} 6009 \mathrm{K0821}$ | 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) | $303 A 6009 Z 3103$ | 2 |
| 62 | $\begin{aligned} & C 59,97,122, \\ & 169,180,184, \\ & 190,191,215, \\ & 217,219,230, \\ & 232,254,255 \end{aligned}$ | CK3216F1H104Z CK capacitor | ( CP ) | 303A6009Z3104 | 15 |
| 63 |  |  |  |  |  |
| 64 |  |  |  |  |  |
| 65 | $\begin{aligned} & \mathrm{Cl} 6,18,20,21, \\ & 29,65,85,92 \end{aligned}$ | CK92F1E105ZS CK capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 1.0 \mathrm{p} \end{aligned}$ | 303A4117Z2105 | 8 |
| 66 | C19,91 | CK92F1H155ZS CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 1.5 \mu \end{aligned}$ | 303A4117Z2155 | 2 |
| 67 | C13 | CQM-92PP2A223G <br> CQ capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 0.022 \mu \end{aligned}$ | 306A4100G2223 | 1 |
| 68 | C17,23,27 | TCK45F2E103ZYA CK capacitor | $\begin{aligned} & 250 \mathrm{~V} \\ & 10000 \mathrm{P} \end{aligned}$ | 302A402725103 | 3 |
| 69 | C10 | CEUSM2A3R3 CE capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 3.3 \mu \end{aligned}$ | 304A1041A2339 | 1 |
| 70 | C8 |  |  | 304A1046E1220 | 1 |
| 71 | C9,66 | CEUSM1E470 CE capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 47 \mathrm{\mu} \end{aligned}$ | 304A1041E1470 | 2 |
| 72 | C11,12,15 | CEUSM1H100 CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mu \end{aligned}$ | 304A1041H1100 | 3 |
| 73 | C14 | SRC50VB-680(M) <br> CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 680 \mu \end{aligned}$ | 304A1035H1681 | 1 |
| 74 | C15 | CEUSM1J100 CE capacitor | $\begin{aligned} & 63 \mathrm{~V} \\ & 10 \mu \end{aligned}$ | 304A1041J1100 | 1 |
| 75 | Q8,9 | $\begin{aligned} & \text { M5M4464P-12 } \\ & \text { MOS-D-RAM } \end{aligned}$ |  | 802A2022M8302 | 2 |
| 76 | Q12 | $\begin{aligned} & 5128-20 G S / 5517 \mathrm{C} \\ & \text { MOS-S-RAM } \end{aligned}$ | $-20$ | 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


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 | $\begin{array}{\|l} \text { M54646P } \\ \text { BIP 1inear IC } \end{array}$ | 720A1822M0002 | 1 |
| 98 | MTDV | $\begin{aligned} & \text { HAl } 3412 \\ & \text { BIP linear } \end{aligned}$ | 720A4021E0004 | 1 |
| 99 | bat | CR2430-FI6 <br> Lithium battery | 455A3027P0001 | 1 |
| 100 | LI | $\begin{aligned} & \text { OL1614-102KR70 (D) } \\ & \text { H coil } \end{aligned}$ | 353A3002K0102 | 1 |
| 101 |  |  |  |  |
| 102 | SP1,3 | FFC-3AMEP1 <br> FC connector | 225A3123P0030 | 2 |
| 103 | S102 | MCR18-JPW <br> Chip jumper <br> (CP) | 323A5011P0001 | 1 |
| 104 | CN 1 | $\begin{aligned} & \mathrm{AK}-127 \mathrm{~S} 15 \mathrm{D} \\ & \mathrm{PC} \text { connector } \end{aligned}$ | 224A1156P0150 | 1 |
| 105 | CN2 | $\begin{aligned} & \text { 2-355S } \\ & \text { PC connector } \end{aligned}$ | 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 |  | $\begin{aligned} & \text { DIC-252 } \\ & \text { PC connector } \end{aligned}$ | 224A3182P0020 | 1 |
| 110 | PE | EE-SX1042 <br> Photocoupler | 652A0127M0012 | 1 |
| 111 | Q13 | $\begin{aligned} & \text { DL2-28A-05 } \\ & \text { IC socket } \end{aligned}$ | 245A1155P0280 | 1 |
| 112 | L3,5,7 | $\begin{aligned} & \text { FBA04HA900KF-00 } \\ & \text { Beads core } \end{aligned}$ | 105A1222C1001 | 3 |
| 113 | L2,4 | $\begin{aligned} & \text { DST306-55F } 103 Z \\ & \text { EMI filter } \end{aligned}$ | 342A1004P2103 | 2 |
| 114 | OSC | FAR-C4SB16000000M12C Piezoelectric vibrator | 381A2001B0005 | 1 |
| 115 | BASW | $\left\lvert\, \begin{aligned} & \text { MSW-1731CVC } \\ & \text { Leaf switch } \end{aligned}\right.$ | 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


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 | $\begin{aligned} & \text { DFAlAl } \\ & \text { Rectifier DI } \end{aligned}$ | 610A0221L0021 | 1 |
| 2 | D4 | $\begin{aligned} & \text { EM1Z/SM-1A-02/DSA1A2 } \\ & \text { Rectifier DI } \end{aligned}$ | 610A0003M0001 | 1 |
| 3 |  |  |  |  |
| 4 | $\left\lvert\, \begin{aligned} & \text { D10,12,18,21, } \\ & 105,112,121 \end{aligned}\right.$ | MA151WK/DAN202K (CP) Signal DI | 611A0003N0003 | 7 |
| 5 | D113 | $\begin{array}{\|l} \text { MA3075-M/RD7.5M-B2 } \\ \text { Zener DI (CP) } \end{array}$ | 613A0103M0152B | 1 |
| 6 | D101 | $\begin{aligned} & \text { MA } 3300-\mathrm{M} \\ & \text { Zener DI } \end{aligned}$ | 613A0291M0292M | 1 |
| 7 | D16,114 | $\begin{array}{\|l} \text { MA3300/RD30M-B } \\ \text { Zener DI } \end{array}$ | 613A0103M0292 | 2 |
| 8 | D103,110 | $\begin{array}{\|l\|} \text { MA3047-H } \\ \text { Zener DI } \end{array}$ | 613A0291M0102H | 2 |
| 9 | D102 | $\begin{array}{\|l\|} \text { MA3100/RD10M-B } \\ \text { Zener DI } \end{array}$ | 613A0103M0182 | 1 |
| 10 | D119 | $\begin{aligned} & \mathrm{RD2.7M-Bl} \\ & \text { Zener DI } \end{aligned}$ | 613A0233M0042A | 1 |
| 11 | ${ }_{194}^{\mathrm{R} 99,121,151,}$ | RM73B2B101J <br> RN resistor <br> (CP) | 323A5015J0101 | 4 |
| 12 | $\begin{aligned} & \text { R55,86,87, } \\ & \text { 129,234-239 } \end{aligned}$ | RM73B2B431J (CP) RN resistor | 323A5015J0431 | 10 |
| 13 | $\begin{aligned} & \mathrm{R} 41,104,131, \\ & 240 \end{aligned}$ | RM73B2B511J RN resistor (CP) | 323A5015J0511 | 4 |
| 14 | R128 | RM73B2B561J RN resistor (CP) | 323A5015J0561 | 1 |
| 15 | R154 | $\begin{aligned} & \text { RM73B2B751J } \\ & \text { RN resistor } \end{aligned}$ | 323A5015J0751 | 1 |
| 16 | $\begin{aligned} & \mathrm{R} 51,72,88,90, \\ & 161,162,187, \\ & 193 \end{aligned}$ | RM73B2B102J <br> RN resistor <br> (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/ |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 20 | $\begin{aligned} & \mathrm{R} 35,37,52,62, \\ & 150,171,172, \\ & 220-228, \\ & 243-245 \end{aligned}$ | RM73B2B202J RN resistor | (CP) | 323A5015J0202 | 19 |
| 21 |  |  |  |  |  |
| 22 | R109,135 | RM73B2B222J RN resistor | (CP) | 323A5015J0222 | 2 |
| 23 | $\begin{aligned} & \text { R } 71,73-80, \\ & 101,105,106, \\ & 138,186, \\ & 203-208 \end{aligned}$ | $\begin{aligned} & \text { RM73B2B332J } \\ & \text { RN resistor } \end{aligned}$ | (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 | $\begin{aligned} & \mathrm{R} 31,32,39,44, \\ & 58,81,82,140- \\ & 149,177,210 \end{aligned}$ | $\begin{aligned} & \text { RM73B2B562J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0562 | 19 |
| 31 |  |  |  |  |  |
| 32 | R139 | RM73B2B682J <br> RN resistor | (CP) | 323A5015J0682 | 1 |
| 33 | $\begin{aligned} & \mathrm{R} 36,38,54,70, \\ & 120,126,152, \\ & 155,157,179, \\ & 183,185,192, \\ & 195-202,211 \end{aligned}$ | 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 <br> 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/Nam |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 39 | R33 | RM73B2B513J <br> RN resistor | (CP) | 323A5015J0513 | 1 |
| 40 | R130 | RM73B2B683J RN resistor | $(C P)$ | 323A5015J0683 | 1 |
| 41 | $\left\lvert\, \begin{aligned} & \mathrm{R} 49,93,110, \\ & 113-117,119, \\ & 124,125,153 \end{aligned}\right.$ | RM73B2B104J RN resistor | (CP) | 323A5015J0104 | 12 |
| 42 |  |  |  |  |  |
| 43 | R30 | RM73B2B224J RN resistor | (CP) | 323A5015J0224 | 1 |
| 44 | R42,45,46 | $\begin{aligned} & \text { RM73B2B242F } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015F0242 | 3 |
| 45 | R134 | RM73B2B124F <br> 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 | MSF1/2B0.51 $\Omega \mathrm{J}$ <br> RS resistor |  | 324A1001J0518 | 3 |
| 50 | R2 | $\begin{aligned} & \mathrm{RD} 1 / 2 \mathrm{Y} 2 \mathrm{~K} \Omega \mathrm{~J} \\ & \mathrm{RD} \text { resistor } \end{aligned}$ |  | 321A1431J0202 | 1 |
| 51 | R5 | FMRI-1.8 JJ <br> Fuse resistor |  | 327A1002J0189 | 1 |
| 52 |  |  |  |  |  |
| 53 | C94,233 | CC3216SL1H561J CC capacitor | (CP) | 303A3008K0561 | 2 |
| 54 | C102 | CC3216SLIH100D 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 <br> CC capacitor | (CP) | 303A3008K0471 | 1 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (4/7) REV. 6, 7 PCB version 6; 7 For: G103, 203, 205

| No. | Symbols: | Type/Name | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: |
| 58 | $\begin{aligned} & C 61,163,164, \\ & 166 \end{aligned}$ | $\begin{aligned} & \mathrm{CC} 3216 \text { SL1H821J } \\ & \mathrm{CC} \text { capacitor (CP) } \end{aligned}$ | 303 A 3008 K 0821 |  |
| 59 | C103,246, | CC3216SL1H102J <br> CC capacitor <br> (CP) | $303 \mathrm{~A} 3008 \mathrm{~K} 0102$ | $\bigcirc 2$ |
| 60 | C136 \% ¢\%\% ${ }^{\text {and }}$ | CK3216B1H472K <br> CK capacitor <br> (GP) | $303 \mathrm{~A} 6009 \mathrm{~K} 3472$ | ¢ 1 |
| 61 | C107, 123 meat | CK3216F1H103Z <br> CK capacitor <br> (CP) | 303A600923103 | 0 |
| 62 | $\begin{aligned} & C 59,97,122, \\ & 169,180,184, \\ & 190,191,215, \end{aligned}$ | CK3216F1H104Z <br> CK capacitor <br> (CP) | $303 A 600923104$ | 15 |
| F | $\begin{aligned} & 217,219,230, \\ & 232,254,255 \end{aligned}$ |  | Sn: 9 | ce |
| 63 | cocomses |  |  |  |
| 64 |  | (4) at anta |  |  |
| 65 | $\begin{aligned} & \mathrm{Cl} 6,18,20,21 \\ & 29,65,85,92 \end{aligned}$ | $\begin{array}{ll} \text { CK92FlE105ZS } & 25 \mathrm{~V} \\ \text { CK capacitor } & 1.0 \mu \end{array}$ | 303A4117Z2105 | 8 |
| 66 | C19,910mmen | CK92F1H155ZS 50 V <br> CK capacitor $1.5 \mu$ | 3034411722155 | 5 |
| 67 | C13 S000nscota | CQM-92PP2A223G 100 V <br> CQ capacitor 0.022 p | 306A4100G2223 | 1 |
| -68 | C17,23,27.04 | $\begin{array}{ll} \text { TCK } 45 \mathrm{~F} 2 \mathrm{E} 103 \mathrm{ZA} \mathrm{Y} & 250 \mathrm{~V} \\ \text { CK capacitor } & 10000 \mathrm{P} \end{array}$ | $302 \mathrm{~A} 4027 \mathrm{Z5103}$ | 83 |
| 69 | C10 emmrant | CEUSM2A3R3 100 V <br> CE capacitor $3.3 \mu$ | 304A1041A2339 | 1 |
| 70 | C8 |  | 304A1046E1220 | 1 |
| 71 | C9,66 | CEUSMIE470 25 V <br> CE capacitor 47 u | 304A1041E1470 | 2 |
|  |  | ce capacter |  |  |
| 72 | C11,12 | CEUSM1H100 50V | 304A1041H1100 | 2 |
|  |  | CE capacitor $10 \mu$ | \% |  |
| 73 | C14 | SRC50VB-680(M) 50 V | 304A1035H1681 | 1 |
|  | stomer | CE capacitor $680 \mu$ |  |  |
| 74 | C15 | CEUSM1J100 63V | 304A1041J1100 | 1 |
|  |  | $\text { CE capacitor } \quad 10 \mu$ | \%\% | , |
| 75 | Q8,9 | M5M4464P-12 | 802A2022M8302 | 2 |
|  |  | MOS-D-RAM |  |  |
| 76 | Q12 me9¢acos | $\begin{array}{ll} 5128-20 \mathrm{GS} / 5517 \mathrm{GFL}-20 \\ \text { MOS-S-RAM } & \text { (SO) } \end{array}$ | 804 A 0003 N 4302 C | A¢ 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 | $\begin{aligned} & \text { 74LS02FP } \\ & \text { BIP digital IC (SO) } \end{aligned}$ | 700A0503N0002 | 1 |
| 78 | Q14 | SN74LS06NS <br> BIP digital IC <br> (SO) | 700A0550N0006 | 1 |
| 79 | Q5 | SN74LS10NS <br> BIP digital IC (SO) | 700A0550N0010 | 1 |
| 80 | Q1 | SN74LS244NS <br> BIP digital IC <br> (SO) | 700A0550N0244 | 1 |
| 81 | Q6,15 | NJM2901M <br> BIP 1inear IC <br> (SO) | 720A0528N0002 | 2 |
| 82 | Q7 | $\begin{aligned} & \text { MSM80C154VGS-V1K-1 (FP) } \\ & \text { MOS-CPU } \end{aligned}$ | 851A0124N0013 | 1 |
| 83 | Q11 | $\begin{aligned} & \text { MSM6990GS-V1K } \\ & \text { MOS digital IC } \end{aligned}$ | 702A2024N0003 | 1 |
| 84 85 |  |  |  |  |
| 86 | TR106 | 2SA1331 <br> PNP-HF-TR <br> (CP) | 600A1032N0002 | 1 |
| 87 | TR19 | $\begin{align*} & \text { 2SC3361 } \\ & \text { NPN-HF-TR } \tag{CP} \end{align*}$ | 602A1032N0002 | 1 |
| 88 | TR107 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1003N0002 | 1 |
| 89 | $\begin{aligned} & \operatorname{TR} 11,13,104, \\ & 111 \end{aligned}$ | $\begin{aligned} & 2 \mathrm{SC} 3361 / 2 \mathrm{SC} 2412 \mathrm{~K} \\ & \text { NPN-HF-TR } \end{aligned}$ | 602Al003N0002 | 4 |
| 90 | $\begin{aligned} & \operatorname{TR} 14,15,20, \\ & 109,118,120 \end{aligned}$ | A1344/UN2111/DTA114K <br> PNP-HF-TR <br> (CP) | 600A1003N0003 | 6 |
| 91 | TR17 | $\begin{align*} & \text { 2SC2713 } \\ & \text { NPN-HF-TR } \tag{CP} \end{align*}$ | 602A1025N0050 | 1 |
| 92 | TR3 | $\begin{align*} & \text { 2SD1472 } \\ & \text { NPN-LF-TR } \tag{CP} \end{align*}$ | 603Al121N0007 | 1 |
| 93 | TR1 | $\begin{align*} & \text { 2SB1123 } \\ & \text { PNP-LF-TR } \tag{CP} \end{align*}$ | 601Al032N0002 | 1 |
| 94 | TR5 | $\begin{aligned} & \text { 2SB882 } \\ & \text { PNP-LF-TR } \end{aligned}$ | 601Al132M0003 | 1 |
| 95 |  |  |  |  |
| 96 | Q2,3 | $\begin{aligned} & \text { M54661P/LB1731 } \\ & \text { BIP-INF-IC } \end{aligned}$ | 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 | $\left\lvert\, \begin{aligned} & \text { M54646P } \\ & \text { BIP 1inear } \end{aligned}\right.$ | 720A1822M0002 | 1 |
| 98 | MTDV | $\left\lvert\, \begin{aligned} & \text { HA13412 } \\ & \text { BIP 1inear IC } \end{aligned}\right.$ | 720A4021E0004 | 1 |
| 99 | bat | $\left\lvert\, \begin{aligned} & \text { CR2430-FI6 } \\ & \text { Lithium battery } \end{aligned}\right.$ | 455A3027P0001 | 1 |
| 100 | L1 | $\begin{aligned} & \text { OL1614-102KR70 } \\ & \text { H coil } \end{aligned}$ | 353A3002K0102 | 1 |
| 101 |  |  |  |  |
| 102 | SP1,3 | FFC-3AMEP1 <br> FC connector | 225A3123P0030 | 2 |
| 103 | S102 | MCR18-JPW <br> Chip jumper <br> (CP) | 323A5011P0001 | 1 |
| 104 | CN1 | $\begin{aligned} & A K-127 S 15 D \\ & P C \text { connector } \end{aligned}$ | 224A1156P0150 | 1 |
| 105 | CN2 | $\begin{aligned} & \text { 2-355s } \\ & \text { PC connector } \end{aligned}$ | 224A3198P0240 | 1 |
| 106 | CN3 | $\begin{aligned} & \text { MCR69-30D-2.54DS } \\ & \text { PC connector } \end{aligned}$ | 224A1052P0300 | 1 |
| 107 | CN5 | 57LE-40360-7300 (D53) Square connector | 220A1423P0361 | 1 |
| 108 | CN4 | TCS7688-01-201 <br> Round connector | 221A1622P0081 | 1 |
| 109 | 3 | $\begin{aligned} & \text { DIC-252 } \\ & \text { PC connector } \end{aligned}$ | 224A3182P0020 | 1 |
| 110 | PE | $\begin{array}{\|l} \text { EE-SX1042 } \\ \text { Photocoupler } \end{array}$ | 652A0127M0012 | 1 |
| 111 | Q13 | $\begin{array}{\|l} \text { IC26-3206-GS4 } \\ \text { IC socket } \end{array}$ | 245A1016P0320 | 1 |
| 112 | L3,5,7 | $\begin{aligned} & \text { FBA04HA900KF-00 } \\ & \text { Beads core } \end{aligned}$ | 105A1222C1001 | 3 |
| 113 | L2,4 | $\begin{aligned} & \text { DST306-55F1032 } \\ & \text { EMI filter } \end{aligned}$ | 342A1004P2103 | 2 |
| 114 | OSC | FAR-C4SBl6000000M120 Piezoelectric vibrator | 381A2001B0005 | 1 |
| 115 | BASW | $\begin{aligned} & \text { MSW-1731CVC } \\ & \text { Leaf switch } \end{aligned}$ | 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 $\mathrm{L}=30.48 \mathrm{P}=15.24 \mathrm{~N}=3$ | 3LH-31313-10 | 1 |
| 121 | F1 | 251-001 <br> Fuse | 540A2208S1102 | 1 |

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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/Nam |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | D2 | DFAlAl <br> Rectifier DI |  | 610A0221L0021 | 1 |
| 2 | D4 | $\begin{aligned} & \text { EM1Z/SM-1A-02/DSA1A2 } \\ & \text { Rectifier DI } \end{aligned}$ |  | 610A0003M0001 | 1 |
| 3 | $\begin{aligned} & \text { D10,12,18,21, } \\ & 105,112,121 \end{aligned}$ | MAI51WK/DAN202K Signal DI | (CP) | 611A0003N0003 | 7 |
| 4 | D113 | MA3075-M/RD7.5M <br> Zener DI | (CP) | 613A0103M0152B | 1 |
| 5 | D101 | $\begin{aligned} & \text { MA3300-M } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0291M0292M | 1 |
| 6 | D16,114 | $\begin{aligned} & \text { MA3300/RD30M-B } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0103M0292 | 2 |
| 7 | D103,110 | MA3047-H <br> Zener DI | ( CP ) | 613A0291M0102H | 2 |
| 8 | D102 | $\begin{aligned} & \text { MA3100/RD10M-B } \\ & \text { Zener DI } \end{aligned}$ | (CP) | 613A0103M0182 | 1 |
| 9 | D119 | $\mathrm{RD} 2.7 \mathrm{M}-\mathrm{B} 1$ <br> Zener DI | (CP) | 613A0233M0042A | 1 |
| 10 | $\begin{aligned} & \mathrm{R} 99,121,151, \\ & 194 \end{aligned}$ | RM73B2B101J <br> RN resistor | (CP) | 323A5015J0101 | 4 |
| 11 | $\begin{aligned} & \mathrm{R} 65,67-69,86, \\ & 87,95,129, \\ & 232,239 \end{aligned}$ | RM73B2B431J <br> RN resistor | (CP) | 323A5015J0431 | 10 |
| 12 | $\left\lvert\, \begin{aligned} & \mathrm{R} 24,41,98, \\ & 104,131 \end{aligned}\right.$ | RM73B2B511J RN resistor | (CP) | 323A5015J0511 | 5 |
| 13 | R128 | RM73B2B561J <br> RN resistor | ( CP ) | 323A5015J0561 | 1 |
| 14 | R154 | RM73B2B751J RN resistor | ( $C P$ ) | 323A5015J0751 | 1 |
| 15 | $\begin{aligned} & \mathrm{R} 51,72,88,90, \\ & 161,162,187, \\ & 193 \end{aligned}$ | RM73B2B102J RN resistor | (CP) | 323A5015J0102 | 8 |
| 16 | R34,127,133 | RM73B2B122J RN resistor | (CP) | 323A5015J0122 | 3 |
| 17 | R157 | RM73B2B182J <br> 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/ |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 | $\begin{aligned} & \mathrm{R} 35,37,52,62, \\ & 150,171,172, \\ & 220-228,243- \\ & 245 \end{aligned}$ | RM73B2B202J RN resistor | (CP) | 323A5015J0202 | 19 |
| 19 | R109,135 | RM73B2B222J RN resistor | (CP) | 323A5015J0222 | 2 |
| 20 | $\begin{aligned} & \text { R } 71,73-80, \\ & 101,105,106, \\ & 138,186, \\ & 203-208 \end{aligned}$ | RM73B2B332J RN resistor | (CP) | 323A5015J0332 | 20 |
| 21 | R137 | $\begin{aligned} & \text { RM73B2B472J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0472 | 1 |
| 22 | R241,242 | RM73B2B201J <br> RN resistor | (CP) | 323A5015J0201 | 2 |
| 23 | $\begin{aligned} & \mathrm{R} 31,32,39,44, \\ & 55,81,82,140- \\ & 149,177,210 \end{aligned}$ | RM73B2B562J RN resistor | (CP) | 323A5015J0562 | 19 |
| 24 | R139 | RM73B2B682J RN resistor | (CP) | 323A5015J0682 | 1 |
| 25 | $\begin{aligned} & \mathrm{R} 36,38,54,57, \\ & 70,120,126, \\ & 152,155,179, \\ & 183,185,192, \\ & 195-202,211 \end{aligned}$ | RM73B2B103J <br> RN resistor | (CP) | 323A5015J0103 | 22 |
| 26 | R47,108,159 | $\begin{aligned} & \text { RM73B2B223J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0223 | 3 |
| 27 | R96 | $\begin{aligned} & \text { RM73B2B303J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0303 | 1 |
| 28 | R60,165 | $\begin{aligned} & \text { RM73B2B473J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0473 | 2 |
| 29 | R33 | RM73B2B513J <br> RN resistor | (CP) | 323A5015J0513 | 1 |
| 30 | R130 | RM73B2B683J RN resistor | (CP) | 323A5015J0683 | 1 |
| 31 | $\begin{aligned} & \mathrm{R} 49,93,110, \\ & 113-117,119, \\ & 124,125,153 \end{aligned}$ | $\begin{aligned} & \text { RM73B2B104J } \\ & \text { RN resistor } \end{aligned}$ | (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 <br> RN resistor | $(C P)$ | 323A5015F0242 | 3 |
| 34 | R134 | $\begin{aligned} & \text { RM73B2B124F } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015F0124 | 1 |
| 35 | R43 | $\begin{aligned} & \text { RM73B2B222F } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015F0222 | 1 |
| 36 | R50 | RM73B2B153F RN resistor | (CP) | 323A5015F0153 | 1 |
| 37 | R1,3,4 | MSF1/2B0.51 JJ <br> RS resistor |  | 324A1001J0518 | 3 |
| 38 | R2 | $\begin{aligned} & \mathrm{RD} 1 / 2 \mathrm{Y} 2 \mathrm{k} \Omega \mathrm{~J} \\ & \mathrm{RD} \text { resistor } \end{aligned}$ |  | 321A1431J0202 | 1 |
| 39 | R5 | FMR1-1.8 SJ <br> Fuse resistor |  | 327A1002J0189 | 1 |
| 40 | C94,233 | CC3216SL1H561J CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0561 | 2 |
| 41 | C102 | CC3216SLlH100D CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0100 | 1 |
| 42 | C89,229,231 | CC3216SLlH101J CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0101 | 3 |
| 43 | C83,132 | CC3216SL1H221J <br> CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0221 | 2 |
| 44 | C188 | CC3216SL1H471J CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0471 | 1 |
| 45 | $\begin{aligned} & C 61,163,164, \\ & 166 \end{aligned}$ | CC3216SL1H821J CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0821 | 4 |
| 46 | C56,103 | $\begin{aligned} & \text { CC3216SL1H102J } \\ & \text { CC capacitor } \end{aligned}$ | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0102 | 2 |
| 47 | C136 | CK3216B1H472K <br> CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A6009K3472 | 1 |
| 48 | C107,123 | CK3216F1H103Z <br> CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A6009Z3103 | 2 |
| 49 | $\begin{aligned} & \mathrm{C} 20,21,26,28, \\ & 58,59,85,97, \\ & 122,169,180, \\ & 184,190,191, \\ & 215,217,230, \\ & 234,235,254, \\ & 255 \end{aligned}$ | CK3216F1H104Z CK capacitor | 50 V <br> (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 | $\begin{aligned} & 25 \mathrm{~V} \\ & 1.0 \mu \end{aligned}$ | 303A4117Z2105 | 4 |
| 51 | C13 | CQM-92PP2A223G <br> CQ capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 0.022 \mu \end{aligned}$ | 306A4100G2223 | 1 |
| 52 | C17,22,23,27 | TCK45F2E103ZYA CK capacitor | $\begin{aligned} & 250 \mathrm{~V} \\ & 10000 \mathrm{P} \end{aligned}$ | 302A402725103 | 4 |
| 53 | C10 | CEUSM2A3R3 CE capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 3.3 \mu \end{aligned}$ | 304A1041A2339 | 1 |
| 54 | C8 | 25MS5-22M <br> CE capacitor | $\begin{aligned} & 25 V \\ & 22 \mu \end{aligned}$ | 304Al046E1220 | 1 |
| 55 | C9,66 | CEUSM1E470 CE capacitor | $\begin{aligned} & 25 V \\ & 47 \mu \end{aligned}$ | 304A1041E1470 | 2 |
| 56 | C11,12 | CEUSM1H100 CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mu \end{aligned}$ | 304A1041H1100 | 2 |
| 57 | C15 | 50MS5-10M CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mu \end{aligned}$ | 304A1046H1100 | 1 |
| 58 | C14 | SRC50VB-680 (M) <br> CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 680 \mu \end{aligned}$ | 304A1035H1681 | 1 |
| 59 | C6 | CEUSM1A101 <br> CE capacitor | $\begin{aligned} & 10 \mathrm{~V} \\ & 100 \mu \end{aligned}$ | 304A1041A1101 | 1 |
| 60 | Q8,9 | $\begin{aligned} & 464 \mathrm{P}-12 \\ & \text { MOS-D-RAM } \end{aligned}$ |  | 802A2003M8302 | 2 |
| 61 | Q12 | $\begin{aligned} & 5128-20 \mathrm{GS} / 5517 \mathrm{C} \\ & \text { MOS-S-RAM } \end{aligned}$ | $\begin{aligned} & -20 \\ & \text { (SO) } \end{aligned}$ | 804A0003N4302 | 1 |
| 62 | Q4 | $\begin{aligned} & \text { 74LS02FP } \\ & \text { BIP digital IC } \end{aligned}$ | (SO) | 700A0503N0002 | 1 |
| 63 | Q14 | SN74LS06NS <br> BIP digital IC | (so) | 700A0550N0006 | 1 |
| 64 | Q5 | SN74LSIONS <br> BIP digital IC | (SO) | 700A0550N0010 | 1 |
| 65 | Q1 | SN74LS244NS <br> BIP digital IC | (SO) | 700A0550N0244 | 1 |
| 66 | Q6,15 | NJM2901M/UPC339 <br> BIP 1inear IC | (SO) | 720A0503N0007 | 1 |
| 67 | Q7 | $\begin{aligned} & \text { MSM80C154VGS-V1 } \\ & \text { MOS-CPU } \end{aligned}$ | (FP) | 851A0124N0013 | 1 |
| 68 | Q11 | MSM6990GS-V1K <br> 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 | $\begin{align*} & \text { 2SA1331 } \\ & \text { PNP-HF-TR } \tag{CP} \end{align*}$ | 600Al032N0002 | 1 |
| 70 | TR19 | $\begin{align*} & 2 \mathrm{SC} 3361 \\ & \mathrm{NPN}-\mathrm{HF}-\mathrm{TR} \tag{CP} \end{align*}$ | 602A1032N0002 | 1 |
| 71 | TR107 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1003N0002 | 1 |
| 72 | $\begin{aligned} & \text { TR11, 13,104, } \\ & 111 \end{aligned}$ | $2 \mathrm{SC} 3361 / 2 \mathrm{SC} 2412 \mathrm{~K}$ <br> NPN-HF-TR <br> (CP) | 602A1003N0002 | 4 |
| 73 | $\begin{aligned} & \text { TR14,15,20, } \\ & 109,118,120 \end{aligned}$ | A1344/UN2111/DTA114K PNP-HF-TR <br> (CP) | 600A1003N0003 | 6 |
| 74 | TR17 | $\begin{align*} & 2 \mathrm{SC} 2713 \\ & \text { NPN-HF-TR } \tag{CP} \end{align*}$ | 602A1025N0050 | 1 |
| 75 | TR3 | 2SD1472 <br> NPN-LF-TR <br> (CP) | $603 \mathrm{Al121N0007}$ | 1 |
| 76 | TR1 | $\begin{aligned} & 2 \mathrm{SB} 1123 \\ & \text { PNP-LF-TR } \end{aligned}$ | 601Al032N0002 | 1 |
| 77 | TR5 | $\begin{aligned} & \text { 2SB882 } \\ & \text { PNP-LF-TR } \end{aligned}$ | $601 \mathrm{Al132M0003}$ | 1 |
| 78 | Q2,3 | $\begin{aligned} & \text { M54661P/LB1731 } \\ & \text { BIP-INF-IC } \end{aligned}$ | 710A2003M0001 | 2 |
| 79 | Q10 | M54646AP <br> BIP linear IC | 720A1822M0002 | 1 |
| 80 | MTDV | HA13412 <br> BIP 1inear IC | 720A4021E0004 | 1 |
| 81 | BAT | CR2430-FI6 <br> Lithium battery | 455A3027P0001 | 1 |
| 82 | L1 | ```OL1614-102KR70 H coil``` | 353A3002K0102 | 1 |
| 83 | SP1,3 | FFC-3AMEP 1 <br> FC connector | 225A3123P0030 | 2 |
| 84 | CN1 | AK-127S15D <br> PC connector | 224A1156P0150 | 1 |
| 85 | CN2 | $\begin{aligned} & Z-355 S \\ & \text { PC connector } \end{aligned}$ | 224A3198P0240 | 1 |
| 86 | CN3 | MCR69-30D-2.54DS PC connector | 224A1052P0300 | 1 |
| 87 | CN5 | $\begin{aligned} & \text { 57LE-40360-7300 (D53) } \\ & \text { Square connector } \end{aligned}$ | 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 <br> Round connector | 221A1622P0081 | 1 |
| 90 |  | DIC-252 <br> PC connector | 224A3182P0020 | 1 |
| 91 | PE | EE-SX1054 <br> Photocoupler | 651A0127M0001 | 1 |
| 92 | Q13 | DL2-28A-05 <br> IC socket | 245A1155P0280 | 1 |
| 93 | L5,7,8 | ZBF253D-01 <br> Beads filter | 377A1115P1309 | 3 |
| 94 | L2,4,6 | DST306-55F1032 <br> EMI filter | 342A1004P2103 | 3 |
| 95 | OSC | FAR-C4SB16000000M12C <br> Piezoelectric vibrator | 381A2001B0005 | 1 |
| 96 | BASW | MSW-1731CVC <br> Leaf switch | 218A7050P0001 | 1 |
| 97 | F1 | 251-001 <br> Fuse | 540A2208S 1102 | 1 |
| 98 | S10,11 | JPW02 <br> Jumper wire | $321 \mathrm{Al520P0001}$ | 2 |
| 99 | EB1 | Power supply bar $\mathrm{L}=22.86$ | 3LH-31313-15 | 1 |
| 100 | EB2, 4 | Power supply bar | 4PP4021-1064P002 | 2 |
| 101 | EB7 | Power supply bar $\mathrm{L}=22.86$ | 3LH-31313-164 | 1 |
| 102 | EB5 | Power supply bar $\mathrm{L}=30.48 \mathrm{P}=30.48 \mathrm{~N}=2$ | 3LH-31313-117 | 1 |
| 103 | EB6,8 | Power supply bar $\mathrm{L}=15.24 \mathrm{P}=15.24 \mathrm{~N}=2$ | 3LH-31313-5 | 2 |
| 104 | EB3 | Power supply bar $\mathrm{L}=15.24 \mathrm{P}=15.24 \mathrm{~N}=2$ | 3LH-31313-13 | 1 |

LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (1/7) REV. 8 PCB version 8 For: G103, 203, 205


LXMC-Printed Circuit Board (4YA4021-1051GXXX) 2/2 (2/7) REV. 8 PCB version 8 For: G103, 203, 205

| No. | Symbol | Type/ |  | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 18 | $\begin{aligned} & \text { R35,37,52,62, } \\ & 150,171,172, \\ & 220-228,243- \\ & 245 \end{aligned}$ | RM73B2B202J <br> RN resistor | (CP) | 323A5015J0202 | 19 |
| 19 | R109,135 | RM73B2B222J <br> RN resistor | (CP) | 323A5015J0222 | 1 |
| 20 | $\begin{aligned} & \mathrm{R} 71,73-80, \\ & 101,105,106, \\ & 138,186, \\ & 203-208 \end{aligned}$ | RM73B2B332J <br> RN resistor | (CP) | 323A5015J0332 | 20 |
| 21 | R137 | RM73B2B472J <br> RN resistor | (CP) | 323A5015J0472 | 1 |
| 22 | R241,242 | RM73B2B201J | (CP) | 323A5015J0201 | 2 |
| 23 | $\begin{aligned} & \text { R31,32,39,44, } \\ & 55,81,82,140- \\ & 149,177,210 \end{aligned}$ | RM73B2B562J | (CP) | 323A5015J0562 | 19 |
| 24 | R139 | RM73B2B682J <br> RN resistor | (CP) | 323A5015J0682 | 1 |
| 25 | $\left\lvert\, \begin{aligned} & \text { R36,38,54,57, } \\ & 70,120,126, \\ & 152,155,179, \\ & 183,185,192, \\ & 195-202,211 \end{aligned}\right.$ | RM73B2B103J RN resistor | (CP) | 323A5015J0103 | 21 |
| 26 | R47, 108,159 | $\begin{aligned} & \text { RM73B2B223J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0223 | 3 |
| 27 | R96 | RM73B2B303J <br> RN resistor | (CP) | 323A5015J0303 | 1 |
| 28 | R60,165 | RM73B2B473J <br> RN resistor | (CP) | 323A5015J0473 | 2 |
| 29 | R33 | RM73B2B513J <br> RN resistor | (CP) | 323A5015J0513 | 1 |
| 30 | R130 | $\begin{aligned} & \text { RM73B2B683J } \\ & \text { RN resistor } \end{aligned}$ | (CP) | 323A5015J0683 | 1 |
| 31 | $\begin{aligned} & \mathrm{R} 49,93,110, \\ & 113-117,119, \\ & 124,125,153 \end{aligned}$ | RM73B2B104J <br> RN resistor | (CP) | 323A5015J0104 | 12 |
| 32 | R30 | RM73B2B224J <br> 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 <br> RN resistor | (CP) | 323A5015F0242 | 3 |
| 34 | R134 | RM73B2B124F <br> RN resistor | (CP) | 323A5015F0124 | 1 |
| 35 | R43 | RM73B2B222F <br> RN resistor | (CP) | 323A5015F0222 | 1 |
| 36 | R50 | RM73B2B153F <br> RN resistor | (CP) | 323A5015F0153 | 1 |
| 37 | R1,3,4 | MSF1/2B0.51 $\Omega \mathrm{J}$ <br> RS resistor |  | 324A1001J0518 | 3 |
| 38 | R2 | RD1/2Y2k $\Omega \mathrm{J}$ <br> RD resistor |  | 321A1431J0202 | 1 |
| 39 | R5 | FMR1-1.8 J <br> Fuse resistor |  | 327A1002J0189 | 1 |
| 40 | C94,233 | CC3216SL1H561J CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0561 | 2 |
| 41 | C102 | CC3216SL1H100D CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0100 | 2 |
| 42 | C89,229,231 | CC3216SL1H101J CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0101 | 3 |
| 43 | C83,132 | CC3216SL1H221J CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0221 | 2 |
| 44 | C188 | CC3216SL1H471J <br> CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0471 | 1 |
| 45 | $\mathrm{C}_{166}^{\mathrm{C} 1,163,164,}$ | CC3216SL1H821J CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0821 | 4 |
| 46 | C56,103 | CC3216SLIH102J CC capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A3008K0102 | 2 |
| 47 | C136 | CK3216B1H472K CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A6009K3472 | 1 |
| 48 | C107,123 | CK3216F1H103Z CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A600923103 | 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 | $\begin{aligned} & C 20,21,26,28, \\ & 58,59,85,97, \\ & 122,169,180, \\ & 184,190,191, \\ & 215,217,230, \\ & 234,235,254, \\ & 255 \end{aligned}$ | CK3216F1H104Z CK capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & (\mathrm{CP}) \end{aligned}$ | 303A6009Z3104 | 21 |
| 50 | C16,19,91,92 | CK92F1E105ZS CK capacitor | $\begin{aligned} & 25 V \\ & 1 \mu \end{aligned}$ | 303A4117Z2105 | 4 |
| 51 | C13 | CQM-92PP2A223G <br> CQ capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 0.022 \mu \end{aligned}$ | 306A4100G2223 | 1 |
| 52 | C17,22,23,27 | TCK45F2E103ZYA CK capacitor | $\begin{aligned} & 250 \mathrm{~V} \\ & 10000 \mathrm{P} \end{aligned}$ | 302A4027Z5103 | 4 |
| 53 | C10 | CEUSM2A3R3 CE capacitor | $\begin{aligned} & 100 \mathrm{~V} \\ & 3.3 \mu \end{aligned}$ | 304A1041A2339 | 1 |
| 54 | C8 | 25MS5-22M <br> CE capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 22 \mathrm{u} \end{aligned}$ | 304A1046E1220 | 1 |
| 55 | C9,66 | CEUSM1E470 CE capacitor | $\begin{aligned} & 25 \mathrm{~V} \\ & 47 \mathrm{\mu} \end{aligned}$ | 304A1041E1470 | 1 |
| 56 | C11,12 | CEUSM1H100 CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mu \end{aligned}$ | 304A1041H1100 | 2 |
| 57 | C15 | 50MS5-10M CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 10 \mu \end{aligned}$ | 304A1046H1100 | 1 |
| 58 | C14 | SRC50VB-680(M) <br> CE capacitor | $\begin{aligned} & 50 \mathrm{~V} \\ & 680 \mu \end{aligned}$ | 304A1035H1681 | 1 |
| 59 | C6 | CEUSM1A101 <br> CE capacitor | $\begin{aligned} & 10 \mathrm{~V} \\ & 100 \mu \end{aligned}$ | 304A1041A1101 | 1 |
| 60 | Q8,9 | $\begin{aligned} & 464 \mathrm{P}-12 \\ & \text { MOS-D-RAM } \end{aligned}$ |  | 802A2003M8302 | 2 |
| 61 | Q12 | $\begin{aligned} & 5128-20 \mathrm{GS} / 5517 \mathrm{C} \\ & \text { MOS-S-RAM } \end{aligned}$ | $\begin{aligned} & \mathrm{L}-20 \\ & (\mathrm{SO}) \end{aligned}$ | 804A0003N4302 | 1 |
| 62 | Q4 | $\begin{aligned} & \text { 74LS02FP } \\ & \text { BIP digital IC } \end{aligned}$ | (SO) | 700A0503N0002 | 1 |
| 63 | Q14 | SN74LS06NS <br> BIP digital IC | (so) | 700A0550N0006 | 1 |
| 64 | Q5 | SN74LSIONS <br> BIP digital IC | (SO) | 700A0550N0010 | 1 |
| 65 | Q1 | SN74LS244NS <br> 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 <br> BIP linear IC (SO) | 720A0503N0007 | 2 |
| 67 | Q7 | MSM80C154VGS-V1K-1 MOS-CPU (FP) | 851A0124N0013 | 1 |
| 68 | Q11 | $\begin{aligned} & \text { MSM6990GS-V1K } \\ & \text { MOS digital IC (FP) } \end{aligned}$ | 702A2024N0003 | 1 |
| 69 | TR106 | $\begin{aligned} & \text { 2SAl331 } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1032N0002 | 1 |
| 70 | TR19 | $\left\lvert\, \begin{aligned} & \text { 2SC3361 } \\ & \text { NPN-HF-TR } \end{aligned}\right.$ | 602A1032N0002 | 1 |
| 71 | TR107 | $\begin{aligned} & \text { 2SAl331/2SA1037K } \\ & \text { PNP-HF-TR } \end{aligned}$ | 600A1003N0002. | 1 |
| 72 | $\begin{aligned} & \text { TR11,13,104, } \\ & 111 \end{aligned}$ | $\begin{aligned} & \text { 2SC3361/2SC2412K } \\ & \text { NPN-HF-TR } \end{aligned}$ | 602A1003N0002 | 4 |
| 73 | $\begin{aligned} & \operatorname{TR} 14,15,20, \\ & 109,118,120 \end{aligned}$ | $\begin{aligned} & \text { A1344/UN2111/DTA114K } \\ & \text { PNP-HF-TR } \quad \text { (CP) } \end{aligned}$ | 600A1003N0003 | 6 |
| 74 | TR17 | $\begin{align*} & \text { 2SC2713 } \\ & \text { NPN-HF-TR } \tag{CP} \end{align*}$ | 602A1025N0050 | 1 |
| 75 | TR3 | $\begin{align*} & \text { 2SD1472 } \\ & \text { NPN-LF-TR } \tag{CP} \end{align*}$ | 603A1121N0007 | 1 |
| 76 | TR1 | $\begin{aligned} & \text { 2SB1123 } \\ & \text { PNP-LF-TR } \end{aligned}$ | 601A1032N0002 | 1 |
| 77 | TR5 | $\begin{aligned} & \text { 2SB882 } \\ & \text { PNP-LF-TR } \end{aligned}$ | 601A1132M0003 | 1 |
| 78 | Q2,3 | $\begin{aligned} & \text { M54661P/LB1731 } \\ & \text { BIP-INF-IC } \end{aligned}$ | 710A2003M0001 | 2 |
| 79 | Q10 | $\begin{aligned} & \text { M54646P } \\ & \text { BIP Iinear IC } \end{aligned}$ | 720A1822M0002 | 1 |
| 80 | MTDV | HA13412 <br> BIP Iinear IC | 720A4021E0004 | 1 |
| 81 | BAT | CR2430-FI6 <br> Lithium battery | 455A3027P0001 | 1 |
| 82 | L1 | 0L1614-102KR70 <br> H coil | 353A3002K0102 | 1 |
| 83 | SP1,3 | FFC-3AMEP1 <br> FC connector | 225A3123P0030 | 2 |
| 84 | CN1 | $\begin{aligned} & \mathrm{AK}-127 \mathrm{~S} 15 \mathrm{D} \\ & \mathrm{PC} \text { connector } \end{aligned}$ | 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 | $\begin{aligned} & \mathrm{Z}-355 \mathrm{~S} \\ & \text { PC connector } \end{aligned}$ | 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 <br> Round connector | 221A1622P0081 | 1 |
| 90 | 3 | DIC-252 <br> PC connector | 224A3182P0020 | 1 |
| 91 | PE | EE-SX1054 <br> Photosensor | $651 \mathrm{A0127M0001}$ | 1 |
| 92 | Q13 | DL2-28A-05 <br> IC socket | 245A1155P0280 | 1 |
| 93 | L5, 7,8 | ZBF253D-01 <br> Beads filter | 377A1115P1309 | 3 |
| 94 | L2,4,6 | DST306-55F103Z <br> EMI filter | 342A1004P2103 | 3 |
| 95 | OSC | FAR-C4SB16000000M12C <br> Piezoelectric vibrator | 381A2001B0005 | 1 |
| 96 | BASW | MSW-1731CVC <br> Leaf switch | 218A7050P0001 | 1 |
| 97 | F1 | $\begin{aligned} & 251-001 \\ & \text { Fuse } \end{aligned}$ | 540A2208S1102 | 1 |
| 98 | S10,11 | JPW02 <br> Jumper wire | 321A1520P0001 | 2 |
| 99 | EB1 | Power supply bar $\mathrm{L}=22.86 \mathrm{P}=22.86 \mathrm{~N}=2$ | 3LH-31313-15 | 1 |
| 100 | EB2,4 | Power supply bar | 4PP4021-1064P002 | 2 |
| 101 | EB7 | Power supply bar $\mathrm{L}=22.86$ | 3LH-31313-164 | 1 |
| 102 | EB5 | Power supply bar $\mathrm{L}=30.48 \mathrm{P}=30.48 \mathrm{~N}=2$ | 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 | EB3 | Power supp1y bar <br> L=45.72 P=15.24 $\mathrm{N}=4$ <br> Power supp1y bar <br> L=15.24 $\mathrm{P}=15.24 \mathrm{~N}=2$ | 3LH-31313-5 |



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 | RD1/4Y100 2 J <br> RD resistor | 321A1421J0101 | 4 |
| 2 | $\begin{aligned} & \mathrm{R} 1-3,6,8,11, \\ & 12,15,18 \end{aligned}$ | RDI/4Y150 2 J RD resistor | 321A1421J0151 | 9 |
| 3 | R4,9 | RD1/4Y5.6K $\Omega \mathrm{J}$ RD resistor | 321A1421J0562 | 2 |
| 4 | R5, 20 | RD1/4Y51K $\Omega \mathrm{J}$ RD resistor | 321A1421J0513 | 2 |
| 5 |  |  |  |  |
| 6 | C2 | FK26Y5R1H101M 50 V <br> CK capacitor 100 P | 303A4010M3101 | 1 |
| 7 | C3 | $16 \mathrm{MS5-22M}$ 16 V <br> CE capacitor $22 \mu$ | 304A1046C1220 | 1 |
| 8 |  |  |  |  |
| 9 | Q2,4 | $\begin{aligned} & \text { 74LS06P } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503M0006 | 2 |
| 10 | Q1,3 | 74LS164P <br> SR memory IC | 820A0003M3013 | 2 |
| 11 |  |  |  |  |
| 12 | TR1 | DTCl14ES <br> NPN-HF-TR | 602A1035M0007 | 1 |
| 13 |  |  |  |  |
| 14 | D2 | $\begin{aligned} & \text { GL3HD47 } \\ & \text { LED } \end{aligned}$ | 650A0128M0022 | 1 |
| 15 | D1,3,6-15 | GL3HY47 | 650A0228M0007 | 12 |
| 16 |  |  |  |  |
| 17 | SW1-8 | B3F-1000 <br> Push-button switch | 205A1179P1000 | 8 |
| 18 |  |  |  |  |
| 19 | S3,4 | Shorting wire (U type) $0.65 \mathrm{P}=5.0$ | 5KH-31036-50 | 2 |
| 20 | S7,8 | Shorting wire (U type) $0.65 \mathrm{P}=7.5$ | $5 \mathrm{KH}-31036-75$ | 2 |

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



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 | $\begin{aligned} & \text { RD1/4Y68 } \mathrm{RJ} \\ & \text { RD resistor } \end{aligned}$ |  | 321A1421J0680 | 4 |
| 2 | $\begin{aligned} & \mathrm{R} 1,2,6-9,12, \\ & 14 \end{aligned}$ | RD1/4Y110 JJ RD resistor |  | 321A1421J0111 | 8 |
| 3 | R3 | RD1/4Y150 RJ RD resistor |  | 321A1421J0151 | 1 |
| 4 | R4,5 | RD1/4Y5.6K $\Omega \mathrm{J}$ RD resistor |  | 321A1421J0562 | 2 |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |
| 7 | SW1-8 | B3F-1000 <br> Push button switch |  | 205A1179P1000 | 8 |
| 8 | C4 | CEUSMLH100 50 V <br> CE capacitor $10 \mu$ |  | $304 \mathrm{Al041H1100}$ | 1 |
| 9 | C3 | TCK45BlH101KYA 50 V <br> CK capacitor 100 P |  | 302A4027K3101 | 1 |
| 10 | C2 | TCK45F2E103ZYA 250 V <br> CK capacitor 10000 P |  | 302A402725103 | 1 |
| 11 | S1-8, 13-18 | Short wire (U type) $\mathrm{P}=10$ |  | $5 \mathrm{KH}-31036-100$ | 14 |
| 12 | D1,3,6-15 | $\begin{aligned} & \text { GL3HY47-B.C (LT3H477) } \\ & \text { LED } \end{aligned}$ |  | 650A0228M0007 | 12 |
| 13 | D2 | $\begin{aligned} & \text { GL3HD47 } \\ & \text { LED } \end{aligned}$ |  | 650A0128M0022 | 1 |
| 14 | IC1 | $\begin{aligned} & \text { MSM59371RS } \\ & \text { CPU-INF-IC } \end{aligned}$ |  | 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


(Note 1) Details for mounting the IC1.

(Note 2) Details for mounting the Q1.


PAll-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 | $\begin{aligned} & \text { RB602 } \\ & \text { Stack } \end{aligned}$ | 4FP-24374-2 | 1 |
| 2 | D2 | $\begin{aligned} & \text { CR8AMW8 } \\ & \text { SCR } \end{aligned}$ | 4FP-24388 | 1 |
| 3 | D3 | $\begin{aligned} & \text { ERC35-02 } \\ & \text { DI } \end{aligned}$ | 4FP-24383 | 1 |
| 4 | D14 | $\begin{array}{\|l\|l} \text { RD20EB } \\ \text { Zener DI } \end{array}$ | 4FP-24005-16 | 1 |
| 5 | D8 | $\begin{aligned} & \text { 1SS229 } \\ & \text { DI } \end{aligned}$ | 4FP-24173 | 1 |
| 6 | D9 | RD56E-B <br> Zener DI | 4FP-24005-3 | 1 |
| 7 | D10 | $\begin{aligned} & \text { RD39E-B6 or B7 } \\ & \text { Zener DI } \end{aligned}$ | 4FP-24005-55 | 1 |
| 8 | D11 | $\left\lvert\, \begin{aligned} & \text { ERC01-02 } \\ & \text { DI } \end{aligned}\right.$ | 4FP-24377 | 1 |
| 9 | D12 | RB402 Stack | 4FP-24374-1 | 1 |
| 10 | TH1 | 5D-11 <br> Thermistor | 4FP-14512-8 | 1 |
| 11 | R1 | 2W 7.5K <br> RN resistor | $4 \mathrm{FP}-22075-752$ | 1 |
| 12 | R4 | 2W 5.6K <br> RN resistor | 4FP-22075-562 | 1 |
| 13 | (Missing number) |  |  |  |
| 14 | R9 | 1/2W 100 <br> RD resistor | 4LP-8447-101 | 1 |
| 15 | R12 | $\begin{aligned} & 2 \mathrm{~W} \\ & \mathrm{RN} \\ & \mathrm{RN} \end{aligned}$ | 4FP-22075-390 | 1 |
| 16 | R18 | 2W 3K <br> 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 |

PAll-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 | $\begin{aligned} & 1 / 4 \mathrm{~W} 560 \\ & \text { RD resistor } \end{aligned}$ | 4LP-8446-561 | 3 |
| 20 | R13,16 | 1/4W 100 RD resistor | 4LP-8446-101 | 2 |
| 21 | R6 | $\begin{aligned} & 1 / 4 \mathrm{~W} 220 \\ & \text { RD resistor } \end{aligned}$ | 4LP-8446-221 | 1 |
| 22 | R10 | 1/4W 27KF <br> 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 | $\begin{aligned} & \text { 5W } 10 \\ & \text { SQ resistor } \end{aligned}$ | 4FP-22091-100 | 1 |
| 26 | R21 | 5W 0.2 <br> SQ resistor | 4FP-22091-8 | 1 |
| 27 | R20 | 1/4W 1.5 K RD resistor | 4LP-8446-152 | 1 |
| 28 | RV1 | $\begin{aligned} & \text { 1/2W } 200 \Omega \\ & \text { Volume } \end{aligned}$ | 4FP-22087-201 | 1 |
| 29 | C1 | 80V $3300 \mu$ CE capacitor | 4FP-23131 | 1 |
| 30 | C5 | $50 \mathrm{~V} \quad 1000 \mu$ CE capacitor | 4FP-23124-69 | 1 |
| 31 | C7 | $\begin{aligned} & 16 \mathrm{~V} \quad 8200 \mu \\ & \mathrm{CE} \text { capacitor } \end{aligned}$ | 4FP-23132 | 1 |
| 32 | C9 | $\begin{aligned} & 10 \mathrm{~V} \quad 100 \mathrm{p} \\ & \mathrm{CE} \text { capacitor } \end{aligned}$ | 4FP-23012-12 | 1 |
| 33 | C2, 10 | $\begin{aligned} & 100 \mathrm{~V} \quad 0.1 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-47 | 2 |
| 34 | $\mathrm{Cl1}$ | $\begin{aligned} & 100 \mathrm{~V} \quad 0.01 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-41 | 1 |
| 35 | C13 | $\begin{aligned} & 100 \mathrm{~V} \quad 0.0015 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-36 | 1 |
| 36 | C3 | 10000p <br> CK capacitor | 302A4027Z5103 | 1 |
| 37 | C4 | $\begin{aligned} & 100 \mathrm{~V} \quad 0.001 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-35 | 1 |

PAll-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 <br> Transistor | 4FP-24378 | 1 |
| 40 | Q2-5 | $2 \mathrm{SC} 2719$ <br> Transistor | 4LP-44335 | 4 |
| 41 | FB1 | $B-20 L-48 B$ <br> EMC bead | 4FP-21542-6 | 1 |
| 42 | L1 | $S K-21 P-060-550$ <br> Coil | 4FP-21566 | 1 |
| 43 | IC1 | $\begin{aligned} & \text { ST3052V } \\ & \text { 3-pin regulator } \end{aligned}$ | 4FP-25074-1 | 1 |
| 44 | IC2 | $\begin{aligned} & \text { M5291P } \\ & \text { IC } \end{aligned}$ | 4FP-25129 | 1 |
| 45 | F1 | $\begin{aligned} & 250 \mathrm{~V} 2 \mathrm{~A} \\ & \text { Fuse } \end{aligned}$ | 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 | ```\[ 8 \mathrm{P} \] Spring header``` | 4FP-12836-8 | 1 |
| 51 |  | Heat sink | 4FP-14133 | 1 |
| 52 |  | Stopper plate | 4PP4025-2930P1 | 1 |
| 53 | J2,3 | Shorting wire $\mathrm{P}=15$ | 4FP-22079-5 | 2 |
| 54 | J1 | Shorting wire $\mathrm{P}=7.5$ | 4FP-22079-2 | 1 |
| 55 | J4, 5 | Shorting wire $\mathrm{P}=10$ | 4FP-22079-3 | 2 |
| 56 |  | Screw | +P(SW+2W)3-12-HHC | 2 |
| 57 |  | Screw | $+\mathrm{P}(\mathrm{SW}+2 \mathrm{~W}) 3-20-\mathrm{HHC}$ | 1 |
| 58 |  | Spring washer | SW3-HHC | 1 |
| 59 |  | Lock nut | 1N3-HHC | 1 |


(Note 1) Details for mounting the IC1.


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

PAll-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 <br> Zener DI | 4FP-24005-16 | 1 |
| 5 | D8 | $\begin{aligned} & \text { 1SS229 } \\ & \text { DI } \end{aligned}$ | 4FP-24173 | 1 |
| 6 | D9 | $\begin{array}{\|l\|l} \text { RD56E-B } \\ \text { Zener DI } \end{array}$ | 4FP-24005-3 | 1 |
| 7 | D10 | $\begin{aligned} & \text { RD39E-B6 or B7 } \\ & \text { Zener DI } \end{aligned}$ | 4FP-24005-55 | 1 |
| 8 | D11 | $\begin{aligned} & \text { ERC01-02 } \\ & \text { DI } \end{aligned}$ | 4FP-24377 | 1 |
| 9 | D12 | RB402 or S4VB20 Stack | 4FP-24459 | 1 |
| 10 | THl | $5 D-11$ <br> Thermistor | 4FP-14512-8 | 1 |
| 11 | R1 | 2W 7.5K <br> RN resistor | 4FP-22075-752 | 1 |
| 12 | R4 | 2W 5.6K <br> RN resistor | 4FP-22075-562 | 1 |
| 13 | (Missing number) |  |  |  |
| 14 | R9 | $\begin{aligned} & 1 / 2 \mathrm{~W} 100 \\ & \text { RD resistor } \end{aligned}$ | 4LP-8447-101 | 1 |
| 15 | R12 | 2W 39 <br> RN resistor | 4FP-22075-390 | 1 |
| 16 | R18 | 2W 3K <br> RN resistor | 4FP-22075-302 | 1 |
| 17 | R22,23 | 1/4W 10K RD resistor | 4LP-8446-103 | 2 |
| 18 | R2 | 1/4W 1.2K <br> RD resistor | 4LP-8446-122 | 1 |

PAll-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 <br> RD resistor | 4LP-8446-221 | 1 |
| 22 | R10 | 1/4W 27KF RD resistor | 323Al222F0273 | 1 |
| 23 | R11 | 1/4W 820F <br> RD resistor | 323A1222F0821 | 1 |
| 24 | R19 | 1/4W 430 <br> RD resistor | 4LP-8446-431 | 1 |
| 25 | R17 | $\begin{aligned} & \text { 5W } 10 \\ & \text { SQ resistor } \end{aligned}$ | 4FP-22091-100 | 1 |
| 26 | R21 | 5W 0.2 <br> SQ resistor | 4FP-22091-8 | 1 |
| 27 | R20 | 1/4W 1.5K RD resistor | 4LP-8446-152 | 1 |
| 28 | RV1 | 1/2W 200 Volume | 4FP-22087-201 | 1 |
| 29 | Cl | 80V $3300 \mu$ CE capacitor | 4FP-23131 | 1 |
| 30 | C5 | $50 \mathrm{~V} \quad 1000 \mu$ CE capacitor | 4FP-23124-69 | 1 |
| 31 | C7 | 16V $8200 \mu$ CE capacitor | 4FP-23132 | 1 |
| 32 | C9 | $\begin{aligned} & 10 \mathrm{~V} \quad 100 \mu \\ & \text { CE capacitor } \end{aligned}$ | 4FP-23012-12 | 1 |
| 33 | C2, 10 | $\begin{aligned} & 100 \mathrm{~V} \quad 0.1 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-47 | 2 |
| 34 | Cll | $\begin{aligned} & 100 \mathrm{~V} \quad 0.01 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-41 | 1 |
| 35 | Cl3 | $\begin{aligned} & 100 \mathrm{~V} \quad 0.0015 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-36 | 1 |
| 36 | C3 | 10000P <br> CK capacitor | 302A4027Z5103 | 1 |
| 37 | C4 | $\begin{aligned} & 100 \mathrm{~V} \quad 0.001 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-35 | 1 |

PAll-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 <br> Transistor | 4FP-24378 | 1 |
| 40 | Q2-5 | $2 \mathrm{SC} 2719$ <br> Transistor | 4LP-44335 | 4 |
| 41 | FB1 | $B-20 L-48 B$ <br> EMC bead | 4FP-21542-6 | 1 |
| 42 | L1 | $\begin{aligned} & \text { SK-21P-060-550 } \\ & \text { Coil } \end{aligned}$ | 4FP-21566 | 1 |
| 43 | ICl | $\begin{aligned} & \text { ST3052V } \\ & \text { 3-pin regulator } \end{aligned}$ | 4FP-25074-1 | 1 |
| 44 | IC2 | $\begin{aligned} & \text { M5291P } \\ & \text { IC } \end{aligned}$ | 4FP-25129 | 1 |
| 45 | F1 | $\begin{aligned} & 250 \mathrm{~V} 2 \mathrm{~A} \\ & \text { Fuse } \end{aligned}$ | 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 <br> Spring header | 4FP-12836-8 | 1 |
| 51 |  | Heat sink | 4FP-14133 | 1 |
| 52 |  |  |  |  |
| 53 | J2,3 | Shorting wire $\mathrm{P}=15$ | 4FP-22079-5 | 2 |
| 54 | J1 | Shorting wire $\mathrm{P}=7.5$ | 4FP-22079-2 | 1 |
| 55 | J4,5 | Shorting wire $\mathrm{P}=10$ | 4FP-22079-3 | 2 |
| 56 |  | Screw | +P(SW+2W)3-12-HHC | 3 |
| 57 |  |  |  |  |
| 58 |  |  |  |  |
| 59 |  |  |  |  |


(Note 1) Details for mounting the IC1.


SUll-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 | $\begin{aligned} & \text { ERC35-02 or RG4Z } \\ & \text { DI } \end{aligned}$ | 4FP-24460 | 1 |
| 4 | D17,18,20,21 | $\begin{aligned} & 1 S 2075 \mathrm{~K} \text { or } 1 \mathrm{~S} 1588 \text { or } \\ & 1 \mathrm{~S} 953 \\ & \mathrm{DI} \end{aligned}$ | 4FP-24207 | 4 |
| 5 | D9 | $\left\lvert\, \begin{aligned} & \text { RD5.6EB } \\ & \text { Zener DI } \end{aligned}\right.$ | 4FP-24005-3 | 1 |
| 6 | D10 | $\begin{aligned} & \text { RD39EB6 or B7 } \\ & \text { Zener DI } \end{aligned}$ | 4FP-24005-55 | 1 |
| 7 | D2 | TF821M or CR8AMW8 or 8P2M <br> Thyristor | 4FP-24459 | 1 |
| 8 | R13, 16 | 1/4W 100 RD resistor | 4LP-8446-101 | 2 |
| 9 | R6 | 1/4W 220 <br> 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 <br> 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 <br> RD resistor | $323 \mathrm{Al222F0131}$ | 1 |
| 18 | R11 | 1/4W 820 RD resistor | 323A1222F0821 | 1 |

SUll-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 | $\begin{aligned} & 1 / 4 \mathrm{~W} 910 \\ & \text { RD resistor } \end{aligned}$ | 323A1222F0911 | 1 |
| 20 | R25 | 1/4W 1.3K RD resistor | 323A1222F0132 | 1 |
| 21 | R30,32 | 1/4W 3K RD resistor | 323Al222F0302 | 2 |
| 22 | R10 | 1/4W 27K RD resistor | 323Al222F0273 | 1 |
| 23 | R9 | $\text { \| } 1 / 2 \mathrm{~W} \quad 100$ <br> RN resistor | 4FP-22113-101 | 1 |
| 24 | R12 | 2W 39 <br> RN resistor | 4FP-22115-390 | 1 |
| 25 | R4 | 2W 5.6K <br> RN resistor | 4FP-22115-562 | 1 |
| 26 | R1 | 2W 7.5K <br> RN resistor | 4FP-22115-752 | 1 |
| 27 | R18 | 2W 3K <br> RN resistor | 4FP-22068-302 | 1 |
| 28 | R21 | 5W 0.2 <br> SQ resistor | 4FP-22108-8 | 1 |
| 29 | C4 | $\begin{aligned} & 100 \mathrm{~V} \quad 0.001 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-35 | 1 |
| 30 | C13 | $\begin{aligned} & 100 \mathrm{~V} \quad 0.0015 \mu \\ & \mathrm{CQ} \text { capacitor } \end{aligned}$ | 4FP-23044-36 | 1 |
| 31 | C3 | $\begin{aligned} & 250 \mathrm{~V} \quad 0.01 \mu \\ & \mathrm{CK} \text { capacitor } \end{aligned}$ | 302A4027Z5103 | 1 |
| 32 | C2 | 50V $\quad 1 \mu$ CE capacitor | 4FP-23012-57 | 1 |
| 33 | C17,18 | $50 \mathrm{~V} \quad 10 \mu$ CE capacitor | 4FP-23012-61 | 2 |
| 34 | C9 | $10 \mathrm{~V} \quad 100 \mu$ CE capacitor | 4FP-23012-12 | 1 |
| 35 | C5 | $50 \mathrm{~V} \quad 1000 \mu$ CE capacitor | 4FP-23140 | 1 |
| 36 | C1 | $80 \mathrm{~V} 3300 \mu$ CE capacitor | 4FP-23139 | 1 |
| 37 | C7 | $16 \mathrm{~V} \quad 8200 \mu$ CE capacitor | 4FP-23141 | 1 |

SUll-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 | $\begin{aligned} & \text { 2SB1382 or } 2 \text { SB1420 } \\ & \text { Transistor } \end{aligned}$ | 4FP-24494 | 1 |
| 39 | Q2 | ```2SC1627 or 2SC2719 Transistor``` | 4LP-24486 | 1 |
| 40 | FB1 | $B-20 L-48 B$ <br> EMC bead | 4FP-21542-6 | 1 |
| 41 | L1 | $S K-21 P-060-550$ <br> Coil | 4FP-21566 | 1 |
| 42 | ICI | $\begin{aligned} & \text { SI } 3052 \mathrm{~V} \\ & \text { 3-pin regulator } \end{aligned}$ | 4FP-25074 | 1 |
| 43 | IC2 | $\begin{aligned} & \text { M5291P } \\ & \text { Regulator controller IC } \end{aligned}$ | 4FP-25129 | 1 |
| 44 | IC3 | $\begin{aligned} & \mu \mathrm{PC} 339 \mathrm{C} \text { or NJM2901 } \\ & \text { Comparator IC } \end{aligned}$ | 4FP-25166 | 1 |
| 45 | F1 | MGC-2 or $61 \mathrm{NMO2OH}$ Fuse | 4FP-21107-2 | 1 |
| 46 | FH1 | TS-01-P-SN <br> Fuse holder | 4FP-21069 | 2 |
| 47 |  |  |  |  |
| 48 | H1 | Heat sink | 4FP-14110-5 | 1 |
| 49 | H2 | Heat sink | 4FP-14110-4 | 1 |
| 50 | CN1 | $\begin{aligned} & 172681-8 \\ & \text { Connector } \end{aligned}$ | 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 | $+\mathrm{P}(\mathrm{SW}+2 \mathrm{~W}) 3-12-\mathrm{HHC}$ | 3 |

Table of ROM classification according to G. NO.

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




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 <br> Signal DI <br> (CP) | 611A0029N0004 | 1 |
| 4 | D104,105 | MA151WK/DAN202K <br> Signal DI <br> (CP) | 611A0003N0003 | 2 |
| 5 | D1 | $\left\lvert\, \begin{aligned} & \text { RD10F-B } \\ & \text { Zener DI } \end{aligned}\right.$ | 613A2232L0182 | 1 |
| 6 |  |  |  |  |
| 7 | R115 | RM73B2B102J <br> RN resistor (CP) | 323A5015J0102 | 1 |
| 8 | R104 | RM73B2B122J <br> RN resistor (CP) | 323A5015J0122 | 1 |
| 9 | R103,109,110 | RM73B2B242J <br> RN resistor (CP) | 323A5015J0242 | 3 |
| 10 | $\begin{aligned} & \text { R111,112,116 } \\ & 120-129 \end{aligned}$ | RM73B2B103J <br> RN resistor (CP) | 323A5015J0103 | 13 |
| 11 | R106 | $\begin{aligned} & \text { RM73B2B203J } \\ & \text { RN resistor (CP) } \end{aligned}$ | 323A5015J0203 | 1 |
| 12 | R108 | $\begin{aligned} & \text { RM73B2B474J } \\ & \text { RN resistor (CP) } \end{aligned}$ | 323A5015J0474 | 1 |
| 13 | R1 | $\left\lvert\, \begin{aligned} & \text { RD1/2Y150 } \\ & \text { RD resistor } \end{aligned}\right.$ | 321A1431J0151 | 1 |
| 14 |  |  |  |  |
| 15 | $\begin{aligned} & \mathrm{C} 101,102,105 \\ & 107,117,118 \\ & 130,131 \end{aligned}$ | CK3216F1H104Z CK capacitor (CP) | 303A6009Z3104 | 8 |
| 16 |  |  |  |  |
| 17 | C6 | RPE123-127F105Z25 25V CK capacitor $1.0 \mu$ | 303A4117Z2105 | 1 |
| 18 | C5 | CEUSM1E470 25 V <br> CE capacitor $47 \mu$ | 304A1041E1470 | 1 |
| 19 | C2,3 | CEUSM1E221 25 V <br> CE capacitor $220 \mu$ | 304A1041E1221 | 2 |
| 20 | C4 | CEUSM2AO10 100 V <br> CE capacitor $1.0 \mu$ | 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 <br> BIP digital IC (SO) | 700A0550N0005 | 1 |
| 23 | Q5 | $\begin{aligned} & \text { SN74LS32NS } \\ & \text { BIP digital IC (SO) } \end{aligned}$ | 700A0550N0032 | 1 |
| 24 | Q4 | SN74LS373NS <br> BIP digital IC (SO) | 700A0550N0373 | 1 |
| 25 | Q7 | $\begin{aligned} & \text { 74LS245P } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503M0245 | 1 |
| 26 | Q2 | 75154P | 710A0003M0154 | 1 |
| 27 | Q1 | $\begin{aligned} & \text { 75188P } \\ & \text { BIP-INF-IC } \end{aligned}$ | 710A0003M0188 | 1 |
| 28 |  |  |  |  |
| 29 |  |  |  |  |
| 30 | Q3 | $\begin{aligned} & \text { MSM80C31FGS-V1K } \\ & \text { MOS-CPU } \end{aligned}$ | 851A0124N0011 | 1 |
| 31 | Q9 | $\begin{aligned} & \text { HM6264ALSP-15 } \\ & \text { MOS-S-RAM } \end{aligned}$ | 804 A 0021 M 6335 | 1 |
| 32 |  |  |  |  |
| 33 | Q8 | DL2-28A-05 <br> IC socket | 245A1155P0280 | 1 |
| 34 |  |  |  |  |
| 35 | TR101 | $\begin{aligned} & \text { A1344/UN2111/DTA114K } \\ & \text { PNP-HF-TR } \quad \text { (CP) } \end{aligned}$ | 600A1003N0003 | 1 |
| 36 | TR103 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR (CP) } \end{aligned}$ | 600Al003N0002 | 1 |
| 37 | TR102 | $\begin{array}{\|l\|} \hline 2 \mathrm{SC} 3361 / 2 \mathrm{SC} 2412 \mathrm{~K} \\ \mathrm{NPN}-\mathrm{HF}-\mathrm{TR} \end{array}$ | 602Al003N0002 | 1 |
| 38 39 |  |  |  |  |
| 40 | OSC | $\begin{aligned} & \text { FAR-C4SB11059000-M02 } \\ & \text { Oscillator } \end{aligned}$ | 4LP-12186-1 | 1 |
| 41 | S1 | $\begin{array}{ll} \text { Shorting wire (U type) } \\ 0.65 & \mathrm{P}=2.5 \end{array}$ | 5KH-31036-25 | 1 |

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



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 <br> Signal DI (CP) | 611A0029N0004 | 1 |
| 4 | D104,105 | $\begin{aligned} & \text { MA151WK/DAN202K } \\ & \text { Signal DI } \end{aligned}$ | 611A0003N0003 | 2 |
| 5 | D1 | $\begin{aligned} & \text { RD10F-B } \\ & \text { Zener DI } \end{aligned}$ | 613A2232L0182 | 1 |
| 6 |  |  |  |  |
| 7 | R115 | RM73B2B102J <br> RN resistor (CP) | 323A5015J0102 | 1 |
| 8 | R104 | RM73B2B122J <br> RN resistor (CP) | 323A5015J0122 | 1 |
| 9 | R103,109,110 | RM73B2B242J <br> RN resistor (CP) | 323A5015J0242 | 3 |
| 10 | $\begin{aligned} & \text { R111,112,116 } \\ & 120-129 \end{aligned}$ | RM73B2B103J <br> RN resistor (CP) | 323A5015J0103 | 13 |
| 11 | R106 | RM73B2B203J <br> RN resistor (CP) | 323A5015J0203 | 1 |
| 12 | R108 | RM73B2B474J <br> RN resistor (CP) | 323A5015J0474 | 1 |
| 13 | R1 | RD1/2Y150 RJ <br> RD resistor (CP) | 321A1431J0151 | 1 |
| 14 |  |  |  |  |
| 15 | $\begin{align*} & \mathrm{C} 101,102,105 \\ & 107,117,118  \tag{CP}\\ & 130,131 \end{align*}$ | CK3216F1H104Z <br> CK capacitor | 303A600923104 | 8 |
| 16 |  |  |  |  |
| 17 | C6 | RPE123-127F105Z25 25 V <br> CK capacitor $1.0 \mu$ | 303A411722105 | 1 |
| 18 | C5 | CEUSM1E470 25 V <br> CE capacitor $47 \mu$ | 304A1041E1470 | 1 |
| 19 | C2, 3 | CEUSMIE221 25 V <br> CE capacitor $220 \mu$ | 304A1041E1221 | 2 |
| 20 | C4 | CEUSM2A010 100 V <br> CE capacitor $1.0 \mu$ | 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 <br> BIP digital IC (SO) | 700A0550N0005 | 1 |
| 23 | Q5 | SN74LS32NS <br> BIP digital IC (SO) | 700A0550N0032 | 1 |
| 24 | Q4 | SN74LS373NS <br> BIP digital IC (SO) | 700A0550N0373 | 1 |
| 25 | Q7 | $\begin{aligned} & \text { 74LS245P } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503M0245 | 1 |
| 26 | Q2 | $\left\lvert\, \begin{aligned} & 75154 \mathrm{P} \\ & \text { BIP-INF-IC } \end{aligned}\right.$ | 710A0003M0154 | 1 |
| 27 | Q1 | $\begin{aligned} & 75188 \mathrm{P} \\ & \text { BIP-INF-IC } \end{aligned}$ | 710A0003M0188 | 1 |
| 28 |  |  |  |  |
| 29 |  |  |  |  |
| 30 | Q3 | $\begin{aligned} & \text { MSM80C31FGS-V1K (FP) } \\ & \text { MOS-CPU } \end{aligned}$ | 851A0124N0011 | 1 |
| 31 | Q9 | $\begin{aligned} & \text { HM6264ALSP-15 } \\ & \text { MOS-S-RAM } \end{aligned}$ | 804A0021M6335 | 1 |
| 32 |  |  |  |  |
| 33 | Q8 | DL2-28A-05 <br> IC socket | 245A1155P0280 | 1 |
| 34 |  |  |  |  |
| 35 | TR101 | $\begin{aligned} & \text { A1344/UN2111/DTA114K } \\ & \text { PNP-HF-TR } \quad \text { (CP) } \end{aligned}$ | 600A1003N0003 | 1 |
| 36 | TR103 | $\begin{aligned} & \text { 2SAl331/2SA1037K } \\ & \text { PNP-HF-TR (CP) } \end{aligned}$ | 600A1003N0002 | 1 |
| 37 | TR102 | $\begin{aligned} & \text { 2SC3361/2SC2412K } \\ & \text { NPN-HF-TR (CP) } \end{aligned}$ | 602Al003N0002 | 1 |
| 38 39 |  |  |  |  |
| 40 | OSC | FAR-C4SB11059000-M02 Oscillator | 4LP-12186-1 | 1 |
| 41 | S1 | $\begin{aligned} & \text { Shorting wire (U type) } \\ & 0.65 \quad \mathrm{P}=2.5 \end{aligned}$ | 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 | L1 | FBA04HA900KF-00 Beads core | 105A1222C1001 |  |
| 46 |  |  |  | 1 |
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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 <br> Signal DI <br> (CP) | 611A0029N0004 | 1 |
| 4 | D104,105 | MA151WK/DAN202K <br> Signal DI <br> (CP) | 611A0003N0003 | 2 |
| 5 | D1 | $\left\lvert\, \begin{array}{l\|l\|} \text { RD10F-B } \\ \text { Zener DI } \end{array}\right.$ | 613A2232L0182 | 1 |
| 6 |  |  |  |  |
| 7 | R115 | RM73B2B102J <br> RN resistor (CP) | 323A5015J0102 | 1 |
| 8 | R104 | $\begin{aligned} & \mathrm{RM} 73 \mathrm{~B} 2 \mathrm{~B} 122 \mathrm{~J} \\ & \mathrm{RN} \text { resistor (CP) } \end{aligned}$ | 323A5015J0122 | 1 |
| 9 | R103,109,110 | RM73B2B242J RN resistor (CP) | 323A5015J0242 | 3 |
| 10 | $\begin{aligned} & \text { R111,112,116 } \\ & 120-129 \end{aligned}$ | RM73B2B103J RN resistor (CP) | 323A5015J0103 | 13 |
| 11 | R106 | RM73B2B203J <br> RN resistor (CP) | 323A5015J0203 | 1 |
| 12 | R108 | RM73B2B474J <br> RN resistor (CP) | 323A5015J0474 | 1 |
| 13 | R1 | $\begin{aligned} & \mathrm{RD} 1 / 2 \mathrm{Y} 150 \mathrm{JJ} \\ & \mathrm{RD} \text { resistor (CP) } \end{aligned}$ | 321A1431J0151 | 1 |
| 14 |  |  |  |  |
| 15 | $\begin{aligned} & C 101,102,105 \\ & 107,117,118 \\ & 130,131 \end{aligned}$ | CK3216F1H1042 <br> CK capacitor <br> (CP) | 303A6009Z3104 | 8 |
| 16 |  |  |  |  |
| 17 | C6 | $\begin{array}{lr}\text { RPE123-127F105Z25 } & 25 \mathrm{~V} \\ \text { CK capacitor } & 1.0 \mu\end{array}$ | 303A411722105 | 1 |
| 18 | C5 | CEUSM1E470 25 V <br> CE capacitor $47 \mu$ | 304A1041E1470 | 1 |
| 19 | C2, 3 | CEUSM1E221 25 V <br> CE capacitor $220 \mu$ | 304A1041E1221 | 2 |
| 20 | C4 | CEUSM2A010 100 V <br> CE capacitor $1.0 \mu$ | 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 <br> BIP digital IC (SO) | 700A0550N0005 | 1 |
| 23 | Q5 | SN74LS32NS BIP digital IC (SO) | 700A0550N0032 | 1 |
| 24 | Q4 | SN74LS373NS <br> BIP digital IC (SO) | 700A0550N0373 | 1 |
| 25 | Q7 | $\begin{aligned} & \text { 74LS245P } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503M0245 | 1 |
| 26 | Q2 | $\begin{aligned} & \text { 75154P } \\ & \text { BIP-INF-IC } \end{aligned}$ | $710 \mathrm{A0003M0154}$ | 1 |
| 27 | Q1 | $\begin{aligned} & \text { 75188P } \\ & \text { BIP-INF-IC } \end{aligned}$ | 710 A 0003 M 0188 | 1 |
| 28 |  |  |  |  |
| 29 |  |  |  |  |
| 30 | Q3 | $\begin{aligned} & \text { MSM80C31FGS-V1K } \\ & \text { MOS-CPU } \end{aligned}$ | 851A0124N0011 | 1 |
| 31 | Q9 | $\begin{aligned} & \text { HM6264ALSP-15 } \\ & \text { MOS-S-RAM } \end{aligned}$ | 804A0021M6335 | 1 |
| 32 |  |  |  |  |
| 33 | Q8 | DL2-28A-05 <br> IC socket | 245A1155P0280 | 1 |
| 34 |  |  |  |  |
| 35 | TR101 | A1344/UN2111/DTA114K PNP-HF-TR (CP) | 600A1003N0003 | 1 |
| 36 | TR103 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR (CP) } \end{aligned}$ | 600A1003N0002 | 1 |
| 37 | TR102 | $\begin{align*} & 2 \mathrm{SC} 3361 / 2 \mathrm{SC} 2412 \mathrm{~K} \\ & \mathrm{NPN}-\mathrm{HF}-\mathrm{TR} \tag{CP} \end{align*}$ | 602A1003N0002 | 1 |
| 38 39 |  |  |  |  |
| 40 | OSC | FAR-C4SB11059000-M02 <br> Oscillator | 4LP-12186-1 | 1 |
| 41 | S1 | $\begin{aligned} & \text { Shorting wire (U type) } \\ & 0.65 \quad P=2.5 \end{aligned}$ | 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 <br> FC connector | 225A3123P0030 | 1 |
| 43 |  |  |  |  |
| 44 | CN1 | D25S-LLD-hexagon(\#4-40) <br> Square connector | 220A0121P0250 | 1 |
| 45 |  |  |  |  |
| 46 | L1 | FBA04HA900KF-00 <br> Beads core | 105Al222C1001 | 1 |
| 47 | 2 | DIC-252 <br> PC connector | 224A3182P0020 | 1 |



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

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (1/3) REV. 5 PCB version 5

| No. | Symbol | Type/Name | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 | D2 | MA153 <br> Signal DI (CP) | 611A0029N0004 | 1 |
| 4 | D104,105 | MA151WK/DAN202K <br> Signal DI (CP) | 611A0003N0003 | 2 |
| 5 | D1 | $\left\lvert\, \begin{aligned} & \text { RD10F-B } \\ & \text { Zener DI } \end{aligned}\right.$ | 613A2232L0182 | 1 |
| 6 |  |  |  |  |
| 7 | R115 | RM73B2B102J <br> RN resistor (CP) | 323A5015J0102 | 1 |
| 8 | R104 | $\begin{aligned} & \text { RM73B2B122J } \\ & \text { RN resistor (CP) } \end{aligned}$ | 323A5015J0122 | 1 |
| 9 | R103,109,110 | $\begin{aligned} & \text { RM73B2B242J } \\ & \text { RN resistor (CP) } \end{aligned}$ | 323A5015.J0242 | 3 |
| 10 | $\begin{aligned} & \text { R111,112,116 } \\ & 120-129 \end{aligned}$ | RM73B2B103J <br> RN resistor (CP) | 323A5015J0103 | 13 |
| 11 | R106 | RM73B2B203J <br> RN resistor (CP) | 323A5015J0203 | 1 |
| 12 | R108 | $\begin{aligned} & \text { RM73B2B474J } \\ & \text { RN resistor (CP) } \end{aligned}$ | 323A5015J0474 | 1 |
| 13 | RI | $\begin{aligned} & \text { RD1/2Y150 } / 2 \mathrm{~J} \\ & \text { RD resistor (CP) } \end{aligned}$ | 321A1431J0151 | 1 |
| 14 |  |  |  |  |
| 15 | $\begin{aligned} & C 101,102,105 \\ & 107,117,118 \\ & 130,131 \end{aligned}$ | CK3216F1H104Z <br> CK capacitor (CP) | 303A6009Z3104 | 8 |
| 16 |  |  |  |  |
| 17 | C6 | RPE123-127F105Z25 25 V <br> CK capacitor 1.0 p | 303A4117Z2105 | 1 |
| 18 | C5 | CEUSMIE470 25 V <br> CE capacitor $47 \mu$ | 304A1041E1470 | 1 |
| 19 | C2, 3 | CEUSMIE221 25 V <br> CE capacitor $220 \mu$ | 304A1041E1221 | 2 |
| 20 | C4 | CEUSM2A010 100 V <br> CE capacitor $1.0 \mu$ | 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 <br> BIP digital IC (SO) | 700A0550N0005 | 1 |
| 23 | Q5 | $\begin{array}{\|l} \text { SN74LS32NS } \\ \text { BIP digital IC (SO) } \end{array}$ | 700A0550N0032 | 1 |
| 24 | Q4 | SN74LS373NS BIP digital IC (SO) | 700A0550N0373 | 1 |
| 25 | Q7 | $\begin{aligned} & \text { 74LS245P } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503M0245 | 1 |
| 26 | Q2 | $\begin{aligned} & 75154 \mathrm{P} \\ & \text { BIP-INF-IC } \end{aligned}$ | 710A0003M0154 | 1 |
| 27 | Q1 | $\left\lvert\, \begin{aligned} & 75188 \mathrm{P} \\ & \text { BIP-INF-IC } \end{aligned}\right.$ | 710A0003M0188 | 1 |
| 28 |  |  |  |  |
| 29 |  |  |  |  |
| 30 | Q3 | $\begin{aligned} & \text { MSM80C51FV-568GS-V1K } \\ & \text { MOS-CPU (ROM) (FP) } \end{aligned}$ | 853A0150N0568 | 1 |
| 31 | Q9 | $\begin{aligned} & \text { HM6264ALSP-15 } \\ & \text { MOS-S-RAM } \end{aligned}$ | 804A0021M6335 | 1 |
| 32 |  |  |  |  |
| 33 | Q8 | DL2-28A-05 <br> IC socket | 245A1155P0280 | 1 |
| 34 |  |  |  |  |
| 35 | TR101 | A1344/UN2111/DTA114K PNP-HF-TR (CP) | 600A1003N0003 | 1 |
| 36 | TR103 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR } \quad \text { (CP) } \end{aligned}$ | 600A1003N0002 | 1 |
| 37 | TR102 | $\begin{align*} & 2 \mathrm{SC} 3361 / 2 \mathrm{SC} 2412 \mathrm{~K} \\ & \text { NPN-HF-TR } \tag{CP} \end{align*}$ | 602A1003N0002 | 1 |
| 38 39 |  |  |  |  |
| 40 | OSC | FAR-C4SB11059000-M02 <br> Oscillator | 4LP-12186-1 | 1 |
| 41 | Sl | Shorting wire (U type) $0.65 \quad \mathrm{P}=2.5$ | $5 \mathrm{KH}-31036-25$ | 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 <br> FC connector | 225A3123P0030 | 1 |
| 43 |  |  |  |  |
| 44 | CN 1 | D25S-LLD-hexagon (\#4-40) <br> Square connector | 220A0121P0250 | 1 |
| 45 |  |  |  |  |
| 46 | L1 | FBA04HA900KF-00 <br> Beads core | 105A1222C1001 | 1 |
| 47 | 2 | DIC-252 <br> PC connector | 224A3182P0020 | 1 |



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

LXHI-Printed Circuit Board (4YA4021-1050GXXX) 2/2 (1/3) REV. 6 PCB version 6

| No. | Symbol | Type/Name | Part No. | Q'ty |
| :---: | :---: | :---: | :---: | :---: |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 | D2 | MA153 <br> Signal DI (CP) | 611A0029N0004 | 1 |
| 4 | D104,105 | MA151WK/DAN202K <br> Signal DI <br> (CP) | 611A0003N0003 | 2 |
| 5 | D1 | $\begin{aligned} & \text { RDl0F-B } \\ & \text { Zener DI } \end{aligned}$ | 613A2232L0182 | 1 |
| 6 |  |  |  |  |
| 7 | Rl15 | RM73B2B102J <br> RN resistor (CP) | 323A5015J0102 | 1 |
| 8 | R104 | RM73B2B122J <br> RN resistor (CP) | 323A5015J0122 | 1 |
| 9 | R103,109,110 | RM73B2B242J <br> RN resistor (CP) | 323A5015J0242 | 3 |
| 10 | $\begin{aligned} & \text { R111,112,116 } \\ & 120-129 \end{aligned}$ | RM73B2B103J <br> RN resistor (CP) | 323A5015J0103 | 13 |
| 11 | R106 | $\begin{aligned} & \text { RM73B2B203J } \\ & \text { RN resistor (CP) } \end{aligned}$ | 323A5015J0203 | 1 |
| 12 | R108 | RM73B2B474J <br> RN resistor (CP) | 323A5015J0474 | 1 |
| 13 | R1 | RDl/2Y150 2 J <br> RD resistor (CP) | 321A1431J0151 | 1 |
| 14 |  |  |  |  |
| 15 | $\begin{aligned} & \mathrm{C} 101,102,105 \\ & 107,117,118 \\ & 130,131 \end{aligned}$ | CK3216F1H104Z <br> CK capacitor <br> (CP) | 303A6009Z3104 | 8 |
| 16 |  |  |  |  |
| 17 | C6 | $\begin{array}{\|lr} \text { RPE123-127F105Z25 } & 25 \mathrm{~V} \\ \text { CK capacitor } & 1.0 \mu \end{array}$ | 3034411722105 | 1 |
| 18 | C5 | CEUSMIE470 25 V <br> CE capacitor $47 \mu$ | 304A1041E1470 | 1 |
| 19 | C2,3 | CEUSM1E221 25 V <br> CE capacitor $220 \mu$ | 304A1041E1221 | 2 |
| 20 | C4 | CEUSM2A010 100 V <br> CE capacitor $1.0 \mu$ | 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 <br> BIP digital IC (SO) | $700 \mathrm{A0550N0005}$ | 1 |
| 23 | Q5 | SN74LS32NS <br> BIP digital IC (SO) | 700A0550N0032 | 1 |
| 24 | Q4 | SN74LS373NS <br> BIP digital IC (SO) | 700A0550N0373 | 1 |
| 25 | Q7 | $\begin{aligned} & \text { 74LS245P } \\ & \text { BIP digital IC } \end{aligned}$ | 700A0503M0245 | 1 |
| 26 | Q2 | $\begin{aligned} & 75189 \mathrm{P} \\ & \text { BIP-INF-IC } \end{aligned}$ | 710A0003M0189 | 1 |
| 27 | Q1 | $\begin{aligned} & 75188 \mathrm{P} \\ & \text { BIP-INF-IC } \end{aligned}$ | $710 \mathrm{A0003M0188}$ | 1 |
| 28 |  |  |  |  |
| 29 |  |  |  |  |
| 30 | Q3 | $\begin{aligned} & \text { MSM80C51FV-568GS-V1K } \\ & \text { MOS-CPU (ROM) (FP) } \end{aligned}$ | 853A0150N0568 | 1 |
| 31 | Q9 | $\begin{aligned} & \text { HM6264ALSP-15 } \\ & \text { MOS-S-RAM } \end{aligned}$ | 804A0021M6335 | 1 |
| 32 |  |  |  |  |
| 33 | Q8 | DL2-28A-05 <br> IC socket | 245A1155P0280 | 1 |
| 34 |  |  |  |  |
| 35 | TR101 | $\begin{aligned} & \text { A1344/UN2111/DTA114K } \\ & \text { PNP-HF-TR (CP) } \end{aligned}$ | 600A1003N0003 | 1 |
| 36 | TR103 | $\begin{aligned} & \text { 2SA1331/2SA1037K } \\ & \text { PNP-HF-TR } \quad \text { (CP) } \end{aligned}$ | 600A1003N0002 | 1 |
| 37 | TR102 | $\begin{aligned} & \text { 2SC3361/2SC2412K } \\ & \text { NPN-HF-TR (CP) } \end{aligned}$ | 602A1003N0002 | 1 |
| 38 39 |  |  |  |  |
| 40 | OSC | $\begin{aligned} & \text { FAR-C4SB11059000-M02 } \\ & \text { Oscillator } \end{aligned}$ | 4LP-12186-1 | 1 |
| 41 | Sl | $\begin{aligned} & \text { Shorting wire (U type) } \\ & 0.65 \quad \mathrm{P}=2.5 \end{aligned}$ | $5 \mathrm{KH}-31036-25$ | 1 |

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


