

OKI ELECTRONICS (HONG KONG) LTD.

OLMS64K SERIES 4-BITS LOW POWER MCU CHECK LIST

Part No.: M64152AL

The function of this form is just for reminding the customer to (i) avoid commonly-made programming mistakes and, (ii) notice frequently overlooked or misunderstood hardware features of the caption MCU. The customer is required to fill in this form and submit it with all the other necessary files and documents when the code is released. The actual masking of the MCU is based on the code released by the customer - it is NOT based on the information given in this form. OKI and her distributors are not held liable for any discrepancies between the released code and the information given below.

(1) PACKAGE

Chip Form

60-pin QFP Form

(2) VOLTAGE SUPPLY

3.0V

(MSM64152AL-xxx : Voltage Range = 2.5V - 3.5V)

(3) OPERATING TEMPERATURE

-40 °C ~ +70 °C

(4) CLOCK GENERATION CIRCUIT (Mask Option)

Crystal Oscillation

RC Oscillation (Range of Resistor = $1M\Omega \pm 10\%$)

(5) USABLE ROM SIZE

1504 bytes

(6) SYSTEM RESET

Connect pull-up capacitor of 0.1 ~ 0.47 μ F to RESET pin for power up reset

(7) SYSTEM RESET BY PORT 2

Valid only when the system clock is operating normally

(8) LCD ALLOCATION DEFINITION TABLE (See “MSM64152A User’s Manual” Chapter 9.6)

Write 0FFH after the definition of the last segment (Note : Definition of each segment occupies 4 bytes)

Never write 0FFH to any gaps (spare areas) in the allocation area - 0FFH is allowed ONLY at the end of the table

(9) POWER SUPPLY BACK-UP (See “MSM64152A User’s Manual” Chapter 11)

Set BUPF=0 to save power, only set BUPF=1 when power supply may suffer from fluctuation

(10) LCD OPERATING VOLTAGE

4.5V

(11) LCD BIAS GENERATOR (See “MSM64152A User’s Manual” Chapter 9.7)

0.2 μ F are recommended for Ca, Cb & C12 when $V_{DD} = 1.5V$ and operating temperature $> 40^{\circ}C$

(12) SKIP INSTRUCTION

When SKIP condition is satisfied, a no. of idle machine cycles, equal to the no. of machine cycle(s) of the skipped instruction, will be inserted after the instruction which tests and set the SKIP condition.

We, _____, hereby confirm the correctness of information given in this completed form.

Signature & Company Chop

Date