



## HE83123 APPROVAL AND TOOLING FORM

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COMPANY NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

PART NUMBER: HE83123

PROJECT NAME: \_\_\_\_\_

CODE NUMBER: HE83123-

PRODUCTION NUMBER: \_\_\_\_\_ (by King Billion)

**PRODUCTION INFORMATION:**

Package Type: <input type="checkbox"/> Package Form ( _____ ) <input type="checkbox"/> Chip Form Ink: Line one – _____ Line two – _____ Line three – _____  Remark:
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**CODE INFORMATIN:**

File Name: _____ Check Sum: _____ Object Code length: _____
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**DEVICE OPTION:**

Operation Voltage:     Two-Battery     Three-Battery     Other( \_\_\_\_\_ )

Mask Options:

NAME	DESCRIPTION	Mask Option
MO_PORE	Internal Power On Reset	<input type="checkbox"/> Disable(0) <input type="checkbox"/> Enable(1)
MO_FCK MO_SCKN	Clock Mode Select	<input type="checkbox"/> Dual Clock (10) <input type="checkbox"/> Fast Only (11) <input type="checkbox"/> Slow Only (00)
MO_FXTAL	Osc. Type of Fast Clock	<input type="checkbox"/> RC(0) <input type="checkbox"/> X'tal(1)
MO_SXTAL	Osc. Type of Slow Clock	<input type="checkbox"/> RC(0) <input type="checkbox"/> X'tal(1)
MO_WDTE	Watch Dog Timer	<input type="checkbox"/> Disable(0) <input type="checkbox"/> Enable(1)
MO_FOSCE	Fast Clock Source Select	<input type="checkbox"/> Internal(0) <input type="checkbox"/> External(1)
MO_FRCS[2:0]	Internal Fast Clock Rate Select (If internal clock is selected.)	<input type="checkbox"/> ~ = 990KHz(000) <input type="checkbox"/> ~ = 1.1MHz(001) <input type="checkbox"/> ~ = 1.3MHz(010) <input type="checkbox"/> ~ = 1.6MHz(011) <input type="checkbox"/> ~ = 2MHz(100) <input type="checkbox"/> ~ = 2.6MHz(101) <input type="checkbox"/> ~ = 3.9MHz(110) <input type="checkbox"/> ~ = 6.5MHz(111)

MO_LCDBS[2.0]	LCD bias resistor	<input type="checkbox"/> R=30K(000) <input type="checkbox"/> R=60K(001) <input type="checkbox"/> R=90K(010) <input type="checkbox"/> R=120K(011) <input type="checkbox"/> R=210K(100) <input type="checkbox"/> R=240K(101) <input type="checkbox"/> R=270K(110) <input type="checkbox"/> R=300K(111)
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NAME	DESCRIPTION	Mask Option
MO_DPP[0]	Port D Bit 0 Configuration	<input type="checkbox"/> Open-drain <input type="checkbox"/> Push-pull
MO_DPP[1]	Port D Bit 1 Configuration	<input type="checkbox"/> Open-drain <input type="checkbox"/> Push-pull
MO_DPP[2]	Port D Bit 2 Configuration	<input type="checkbox"/> Open-drain <input type="checkbox"/> Push-pull
MO_DPP[3]	Port D Bit 3 Configuration	<input type="checkbox"/> Open-drain <input type="checkbox"/> Push-pull
MO_DPP[4]	Port D Bit 4 Configuration	<input type="checkbox"/> Open-drain <input type="checkbox"/> Push-pull
MO_DPP[5]	Port D Bit 5 Configuration	<input type="checkbox"/> Open-drain <input type="checkbox"/> Push-pull
MO_DPP[6]	Port D Bit 6 Configuration	<input type="checkbox"/> Open-drain <input type="checkbox"/> Push-pull
MO_DPP[7]	Port D Bit 7 Configuration	<input type="checkbox"/> Open-drain <input type="checkbox"/> Push-pull

**NOTE:** TP(Table Point)自動加 1 的功能無法用 8000C 的 ICE 來模擬,請在使用”連續兩次 LDV”指令時要特別小心

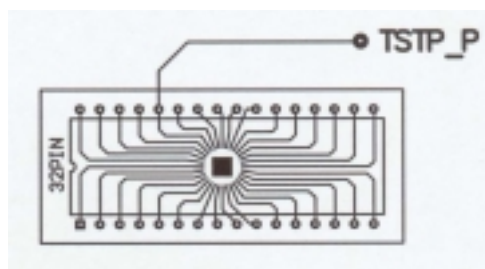
**NOTE:**

LCD driving circuit must be turn off before IC goes into sleep mode.

Please bonds the TSTP\_P with test point on PCB (can be soldered and probed) as you can, then KB can do some IC testing job on PCB.

Neither VDD nor GND connection is necessary for TSTP\_P.

The following figure is an example (Testing point with through hole).





**DEVICE USAGE CHECK: (for double check purpose only)**

Clock Mode:	<input type="checkbox"/> Dual	<input type="checkbox"/> Fast	<input type="checkbox"/> Slow	<input type="checkbox"/> Idle	<input type="checkbox"/> Sleep
Reset Usage:	<input type="checkbox"/> External	<input type="checkbox"/> Internal			
Watch Dog Timer Usage:	<input type="checkbox"/> WDT				
I/O Usage:	<u>          </u> Input	<u>          </u> Output	<u>          </u> Bidirectional		
RAM Usage:	Total <u>          </u> Byte is used.				
ROM Usage:	Total <u>          </u> KB is used, <u>          </u> KB is utilized as program ROM.				
Timer Usage:	<input type="checkbox"/> Timer I	<input type="checkbox"/> Timer II			
LCD Usage:	<u>          </u> COM,	<u>          </u> SEG			
Speech Usage:	<input type="checkbox"/> PWM Output	<input type="checkbox"/> D/A Output			

**APPROVED BY:**     ICE     ROMLESS     DEMOBOARD     OTHER(          )

**COMMENT:**

**CUSTOMER APPROVAL BY:**

SIGNATURE:  
PRINTED NAME:  
TITLE:

**K.B. CONFIRMATION BY:**

SIGNATURE:  
PRINTED NAME:  
TITLE: