

Option List HD6433217,HD6433216,HD6433214,HD6433212

Please check off the appropriate applications by , or within and enter the necessary information.

Date of order	
Customer	
Department	
Name	
ROM code Name	
LSI number (Renesas entry)	

(1) ROM size

<input type="checkbox"/> HD6433212(W) : 16-kbytes
<input type="checkbox"/> HD6433214(W) : 32-kbytes
<input type="checkbox"/> HD6433216(W) : 48-kbytes
<input type="checkbox"/> HD6433217(W) : 60-kbytes

(2) System Oscillator(OSC1,OSC2)

<input type="checkbox"/> Crystal oscillator	f =	MHz
<input type="checkbox"/> External clock	f =	MHz

(3) Power Supply Voltage/Maximum Operating Frequency

<input type="checkbox"/> Vcc = 4.5V to 5.5V (16 MHz max.)
<input type="checkbox"/> Vcc = 4.0V to 5.5V (12 MHz max.)
<input type="checkbox"/> Vcc = 2.7V to 5.5V (10 MHz max.)

Notes: 1.Please select the power supply voltage/operating frequency version according to the power supply voltage used.

Example: For use at Vcc = 4.5V to 5.5V/f = 10MHz
select Vcc = 4.5V to 5.5V(16MHz max.).

2.The power supply voltage and maximum operating frequency of the selected version should also be entered on the Single-Chip Microcomputer Ordering Specifications sheet.

(4) I²C Bus Option

<input type="checkbox"/> I ² C bus used
<input type="checkbox"/> I ² C bus not used

- Notes: 1. The "I²C bus used" option includes all cases where data transfer is performed via the SCL and SDA pins using the on-chip I²C bus interface function (hardware module). If the I²C bus interface function (hardware module) is used, various bus interface with different bus specifications and names are also included in "I²C bus used". The case in which only one of two channels is used is also included in "I²C bus used".
2. When "I²C bus not used" is selected, values cannot be set in registers relating to the I²C bus interface (ICCR,ICSR,ICDR,ICMR). These register always read H'FF. With emulators, ZTAT and F-ZTAT versions, the "I²C bus used" option is selected. If the "I²C bus not used" option is selected, it is essential to ensure that "I²C bus interface related registers are not accessed.

For the Microcomputer Family item in 1.Basic Specifications in the Single-Chip Microcomputer Ordering Specifications Sheet *, please specify the appropriate item from the table below according to the combination of items 1 and 4 above. If the "I²C bus used" option is selected , please also specify this in Special Specifications(Product Specifications , Mark Specifications , etc....) in 1.Basic specifications.

* Please contact the relevant sales department for information on the Single-Chip Microcomputer Ordering Specifications Sheet.

ROM Size \ I ² C	I ² C bus used	I ² C bus not used
16-kbytes	HD6433212W	HD6433212
32-kbytes	HD6433214W	HD6433214
48-kbytes	HD6433216W	HD6433216
60-kbytes	HD6433217W	HD6433217