

**Single Chip Microcomputer Ordering Specifications Sheet**

\* Leave this box blank.

**1. Basic Specifications** Fill in the blanks and check the appropriate boxes.

Microcomputer family	HD		Operating frequency/voltage(H8 only) *4	MHz	V
Application*1	<input type="checkbox"/> Consumer use <input type="checkbox"/> Commercial use (industry, manufacturing, etc...)		Functions*2		
ROM code name					
ROM code media	<input type="checkbox"/> ROM Code Receipt System(Ref# )				
Package*3	<input type="checkbox"/> DP - ( ) <input type="checkbox"/> FP - ( ) <input type="checkbox"/> TFP - ( ) <input type="checkbox"/> CP - ( ) <input type="checkbox"/> Other ( )				
Operating temperature*3	<input type="checkbox"/> Standard specifications <input type="checkbox"/> Wide temperature range specifications, I specifications (-40C to +85C) <input type="checkbox"/> J specifications (-40C to +85C) <input type="checkbox"/> Other special specifications ( )				
Special Specifications (product Specification, mark Specification, etc.)					

- Notes: 1. Describe the type of equipment in which the chip will be used. (E.g., cassette recorder, VCR, air conditioner, etc.)  
 2. Describe the function which the chip will control. (E.g., automatic song selection, tuner, temperature control, etc.)  
 3. Note that certain products have undetermined packages and operating temperatures.  
 4. Describe the operating frequency and the voltage version. (E.g., 8MHz/2.7V, 16MHz/5V, 10MHz/5V or etc..)

**2. Application Environment Checklist**

This checklist serves only as a reference for reliable design of the chip, and is not intended for determining guaranteed characteristic values. Actual guaranteed values of products will be determined according to the information entered in table 1 above, Basic Specifications.

Microcomputer ambient temperature	Average	C		
	Range	C to C		
Microcomputer ambient humidity	Average	%		
	Range	% to %		
Power on duration	Average	Hours per day		
Target level reliability	<input type="checkbox"/> 500 fit <input type="checkbox"/> 1000 fit <input type="checkbox"/> Other ( fit )			
Acceptable quality level (AQL)	<input type="checkbox"/> 1.0% <input type="checkbox"/> 0.65% <input type="checkbox"/> 0.4% <input type="checkbox"/> Other ( )			
Package mounting method	Mounting method	<input type="checkbox"/> Lead dip <input type="checkbox"/> Vapor phase reflow <input type="checkbox"/> Infrared reflow <input type="checkbox"/> Air reflow <input type="checkbox"/> Wave solder <input type="checkbox"/> Solder iron <input type="checkbox"/> Other ( )		
		Mounting conditions	Temperature	C    Seconds ( )
	* For more information, contact your local Renesas sales representative, or consult the Mounting Manual.			
Remarks				

**3. Checksum**

Enter the last 4 digits of the checksum value of the first to last address of the ROM-Data you will be supplying.

Do not forget to fill in this table.		
Start Address (Hexadecimal)	End Address (Hexadecimal)	Checksum value
(e.g.) 0	1FFFF	ABCD

Date of order	
Customer	
Department	
Name	