

**Option List HD6433712,HD6433713,HD6433714**

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"/> HD6433712	16k-word ROM
<input type="checkbox"/> HD6433713	24k-word ROM
<input type="checkbox"/> HD6433714	32k-word ROM

2. I/O options(Check off the I/O options required and shaded options are not available)

pin name	I/O	I/O option			
		B	C	D	E
P10/IRQ0	Standard pins	<input type="checkbox"/>	<input type="checkbox"/>		
P11/IRQ1		<input type="checkbox"/>	<input type="checkbox"/>		
P14/IRQ4		<input type="checkbox"/>	<input type="checkbox"/>		
P15/IRQ5/TMOE		<input type="checkbox"/>	<input type="checkbox"/>		
P16/EVENT		I	<input type="checkbox"/>	<input type="checkbox"/>	
P40/FS16	High-Voltage pins			<input type="checkbox"/>	<input type="checkbox"/>
P41/FS17				<input type="checkbox"/>	<input type="checkbox"/>
P42/FS18				<input type="checkbox"/>	<input type="checkbox"/>
P43/FS19				<input type="checkbox"/>	<input type="checkbox"/>
P44/FS20				<input type="checkbox"/>	<input type="checkbox"/>
P45/FS21				<input type="checkbox"/>	<input type="checkbox"/>
P46/FS22				<input type="checkbox"/>	<input type="checkbox"/>
P47/FS23				<input type="checkbox"/>	<input type="checkbox"/>
P50/FS15				<input type="checkbox"/>	<input type="checkbox"/>
P51/FS14				<input type="checkbox"/>	<input type="checkbox"/>
P52/FS13				<input type="checkbox"/>	<input type="checkbox"/>
P53/FS12				<input type="checkbox"/>	<input type="checkbox"/>
P54/FS11				<input type="checkbox"/>	<input type="checkbox"/>
P55/FS10				<input type="checkbox"/>	<input type="checkbox"/>
P56/FS9				<input type="checkbox"/>	<input type="checkbox"/>
P57/FS8				<input type="checkbox"/>	<input type="checkbox"/>
P17/Vdisp		I	Check 3.		

pin name	I/O	I/O option			
		B	C	D	E
P60/FD0/FS7	High-Voltage pins			<input type="checkbox"/>	<input type="checkbox"/>
P61/FD1/FS6				<input type="checkbox"/>	<input type="checkbox"/>
P62/FD2/FS5				<input type="checkbox"/>	<input type="checkbox"/>
P63/FD3/FS4				<input type="checkbox"/>	<input type="checkbox"/>
P64/FD4/FS3				<input type="checkbox"/>	<input type="checkbox"/>
P65/FD5/FS2				<input type="checkbox"/>	<input type="checkbox"/>
P66/FD6/FS1				<input type="checkbox"/>	<input type="checkbox"/>
P67/FD7/FS0				<input type="checkbox"/>	<input type="checkbox"/>
P70/FD8				<input type="checkbox"/>	<input type="checkbox"/>
P71/FD9				<input type="checkbox"/>	<input type="checkbox"/>
P72/FD10				<input type="checkbox"/>	<input type="checkbox"/>
P73/FD11				<input type="checkbox"/>	<input type="checkbox"/>
P74/FD12				<input type="checkbox"/>	<input type="checkbox"/>
P75/FD13				<input type="checkbox"/>	<input type="checkbox"/>
P76/FD14				<input type="checkbox"/>	<input type="checkbox"/>
P77/FD15			<input type="checkbox"/>	<input type="checkbox"/>	
P90/PWM	Standard pins	<input type="checkbox"/>	<input type="checkbox"/>		
P91/SCK1		<input type="checkbox"/>	<input type="checkbox"/>		
P92/SI1		<input type="checkbox"/>	<input type="checkbox"/>		
P93/SO1		<input type="checkbox"/>	<input type="checkbox"/>		
P94/SCK2		<input type="checkbox"/>	<input type="checkbox"/>		
P95/SI2/CS		<input type="checkbox"/>	<input type="checkbox"/>		
P96/SO2		<input type="checkbox"/>	<input type="checkbox"/>		
P97/UD		<input type="checkbox"/>	<input type="checkbox"/>		

- B : With pull-up MOS
- C : Without pull-up MOS
- D : Without pull-down resistance
- E : With pull-down resistance

3. P17/Vdisp

<input type="checkbox"/> P17:without pull-down resistance
<input type="checkbox"/> Vdisp

(Note) I/O Option "E" selected at High voltage pins,  
In this case, must be selected Vdisp pin.

5. Subsystem Oscillator (X1,X2)

<input type="checkbox"/> Used	f = 32.768 kHz
<input type="checkbox"/> Not used (X1 = Vcc)	

4. System Oscillator(OSC1,OSC2)

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

6. Package type

<input type="checkbox"/> DP-64S
<input type="checkbox"/> FP-64A