

Series	Series No.	Part No.	Memory type	ROM (byte)	RAM (byte)	Operating voltage	Operating frequency	EX DMAC (ch)	DMAC (ch)	Timer (ch)	watchdog timer	PWM	SCI (ch)	A/D converter	Interrupt	Multiplier	Special function	Remarks
H8/500	H8/510	HD6415108	External ROM	-	-	4.5V to 5.5V 2.7V to 5.5V	10MHz 5MHz	-	-	16bit x 2 8bit x 1	1	-	2	10bit x 4ch	5	-	SCI	
H8/500	H8/520	HD6435208	Mask ROM	16k	512	4.5V to 5.5V	10MHz	-	-	16bit x 2 8bit x 1	1	-	2	10bit x 4ch 10bit x 8ch (CP-68)	9	-	SCI	
H8/500	H8/520	HD6475208	One time PROM	16k	512	4.5V to 5.5V	10MHz	-	-	16bit x 2 8bit x 1	1	-	2	10bit x 4ch 10bit x 8ch (CP-68)	9	-	SCI	
H8/500	H8/532	HD6435328	Mask ROM	32k	1k	4.5V to 5.5V	10MHz	-	-	16bit x 3 8bit x 1	1	3	1	10bit x 8ch	3	-	SCI	
H8/500	H8/532	HD6475328	One time PROM	32k	1k	4.5V to 5.5V	10MHz	-	-	16bit x 3 8bit x 1	1	3	1	10bit x 8ch	3	-	SCI	
H8/500	H8/534A	HD6435348A	Mask ROM	32k	2k	4.5V to 5.5V	10MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/534A	HD6475348A	One time PROM	32k	2k	4.5V to 5.5V	10MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/534S	HD6475348S	One time PROM	32k	2k	4.5V to 5.5V 2.7V to 5.5V	16MHz 8MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/534U	HD6435348U	Mask ROM	32k	2k	4.5V to 5.5V	16MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/534U	HD6475348U	One time PROM	32k	2k	4.5V to 5.5V	16MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/536A	HD6435368A	Mask ROM	62k	2k	4.5V to 5.5V	10MHz	-	-	16bit x 3	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/536A	HD6475368A	One time PROM	62k	2k	4.5V to 5.5V	10MHz	-	-	16bit x 3	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/536S	HD6475368S	One time PROM	62k	2k	4.5V to 5.5V 2.7V to 5.5V	16MHz 8MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/536U	HD6435368U	Mask ROM	62k	2k	4.5V to 5.5V	16MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/536U	HD6475368U	One time PROM	62k	2k	4.5V to 5.5V	16MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/537	HD6435378	Mask ROM	124k	4k	4.5V to 5.5V 2.7V to 5.5V	16MHz 8MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/537	HD6475378	One time PROM	124k	4k	4.5V to 5.5V 2.7V to 5.5V	16MHz 8MHz	-	-	16bit x 3 8bit x 1	1	3	2	10bit x 8ch	7	-	SCI	
H8/500	H8/538	HD6435388	Mask ROM	60k	2k	4.5V to 5.5V	10MHz	-	-	16bit x 7	1	-	2	10bit x 12ch	5	-	SCI	
H8/500	H8/538	HD6475388	One time PROM	60k	2k	4.5V to 5.5V	10MHz	-	-	16bit x 7	1	-	2	10bit x 12ch	5	-	SCI	
H8/500	H8/538F	HD64F5388	Flash memory	60k	2k	4.5V to 5.5V	10MHz	-	-	16bit x 7	1	-	2	10bit x 12ch	5	-	SCI	
H8/500	H8/538U	HD6435388U	Mask ROM	60k	2k	4.5V to 5.5V	16MHz	-	-	16bit x 7	1	-	2	10bit x 14ch	5	-	SCI	
H8/500	H8/539	HD6435398	Mask ROM	128k	4k	4.5V to 5.5V 2.7V to 5.5V	16MHz 8MHz	-	-	16bit x 7	1	3	3	10bit x 12ch	5	1	SCI	
H8/500	H8/539	HD6475398	One time PROM	128k	4k	4.5V to 5.5V 2.7V to 5.5V	16MHz 8MHz	-	-	16bit x 7	1	3	3	10bit x 12ch	5	1	SCI	
H8/500	H8/539F	HD64F5398F	Flash memory	128k	4k	4.5V to 5.5V	16MHz	-	-	16bit x 7	2	3	3	10bit x 12ch	5	1	SCI	
H8/500	H8/570	HD6415708	External ROM	-	2k	4.5V to 5.5V	10MHz	-	-	-	1	3	1	10bit x 8ch	2	-	SCI	