

November 6, 2014

## Product Specifications of the RH850/P1x-C Series of MCUs

Group	RH850/P1H-C		RH850/P1M-C
Product name	R7F701371EABG (Under Development)	R7F701372EABG	R7F701373EABG
CPU	240 MHz (with Lockstep) × 2		240 MHz (with Lockstep)
Code Flash	8 MB	4 MB	2 MB
Data Flash (EEPROM)	192 KB	128 KB	64 KB
RAM	Local RAM 64 KB × 2 + Global RAM 960 KB		Local RAM 64 KB + Global RAM 320 KB
DMA	16 (DMAC) / 128 (DTS)		
MPU	16 regions		
Timer	System Timer: 8 ch WDT: 2 ch GTM: Input 16 ch/ Output 33 ch	System Timer: 8 ch WDT: 2 ch GTM: Input 16 ch/ Output 33 ch	System Timer: 8 ch WDT: 2 ch GTM: Input 16 ch/ Output 20 ch
Communication	CAN: 4 ch FlexRay: 4 ch Fast Ethernet: 2 ch HS-USART: 4 ch LIN: 4 ch CSI: 4ch	CAN: 3 ch FlexRay: 4 ch Fast Ethernet: 2 ch HS-USART: 4 ch LIN: 4 ch CSI: 4 ch	CAN: 3 ch FlexRay: 2 ch Fast Ethernet: 1 ch HS-USART: 2 ch LIN: 4 ch CSI: 4 ch
Sensor IF	SENT: 8 ch		SENT: 6 ch
12-bit ADC	20 ch × 2		12 ch × 2 (BGA) /10 ch × 2 (QFP)
Operation Voltage	3.3 V/ 1.25 V		

Group	RH850/P1H-C	RH850/P1M-C
Other feature	Error control module, Data CRC, Core voltage monitor, Temperature sensor, Security module (ICUMC)	
Package	292-pin P-BGA (17 mm × 17 mm)	292-pin P-BGA (17 mm × 17 mm) 144-pin P-LQFP (16 mm × 16 mm)

(Remarks)

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