

**Separate Summary Sheet**

**Product Specifications of the R7F701216EABA**

		RH850/E1M-S2
Product no.		R7F701216EABA (BGA304, 320 MHz)
CPU		G3MH (with LSDC)
Maximum CPU operation speed		320 MHz
Code Flash		4 MB
Data Flash (E2PROM)		64 KB
RAM		Local RAM 64 KB + Global RAM 256 KB
PCU		80 MHz with Local RAM 32 KB
DMA		16 (DMAC) / 128 (DTS)
MPU area		16 (CPU) / 8 (PCU)
Engine management timer		ATU-IV、APA
Motor control timer		TSG2
Other Timers		WDT: 2 ch、OSTM: 3 ch
Serial Interfaces		SCI: 4 ch、LIN: 1 ch、CSIH: 4 ch
Microsecond bus		RHSB: 2 ch
CAN		CAN/CAN FD: 4 ch
SENT		SENT: 6 ch
ADC	SAR AD/ $\Delta\Sigma$ AD	48 ch / 8 ch
Security module		ICU-S+IFS
Power supply voltage		5/ 3.3/ 1.25 V
Other functions		Safety function (Error control module、CRC、MISR、Power supply voltage monitor)、DFE
Package		304-pin P-BGA(19 mm × 19 mm)

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