**Other features:**
- CMP Comparator(s)
- ECM Error Control Module
- ICU-S Intelligent Cryptographic Unit – Slave
- POC Power-On Clear
- THS Thermal sensor

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**RH850 Series**
- Part number
  - 16 M
  - 3.6 M
  - 576 K
  - 4+4
  - 3.75 M
  - 5 M
  - 4 M
  - K

**RH850G3MH**
- Data flash

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**External bus**
- 2x Flexray, 1x Ethernet

**256-bit, 2x Display out**
- 2x I2S, Ethernet AVB

**Video in (LVTTL),**
- 2x Flexray, 1x Ethernet

**Timer channels**
- [8 / 16 / 32-bit]
- APU-A:
- [MHz]
- Internal

**A/D converter /**
- 144
- 1x 8-bit
- 64 PLQP0144KE-A
- 1x 8-bit 32 PVQ0032K D-AR5F10PB 64K
- 1x 8-bit 192K

**Video in (LVTTL),**
- 2x Flexray, 1x Ethernet

**Encoder Timer (ENCA)**
- 1x 8-bit
- 64 PLQP0064KF-A
- 30 PLSP0030JB-A

**Motor control unit**
- 150°C
- 5373
- 125°C

**Temperature monitor**
- 105
- 125

**Microcontroller**
- MPU, WDT & SDT, BHP, digital filter engine (DFE);
- DMAs, Encoder Timer (ENCA)
- Security (ICU-M);
- CAN/CAN-FD
- SPI, CAN-FD
- ECU, MCT, POC,
- Motor control unit

**Temperature sensor**
- 105
- 125
- 150°C

**Microcontroller**
- MPU, WDT & SDT, BHP, digital filter engine (DFE);
- DMAs, Encoder Timer (ENCA)
- Security (ICU-M);
- CAN/CAN-FD
- SPI, CAN-FD
- ECU, MCT, POC,
- Motor control unit

**Temperature sensor**
- 105
- 125
- 150°C

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**40x 24-bit**
- 40x 24-bit

**36x 24-bit**
- 36x 24-bit

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**Other**
- 40x 24-bit
- 40x 24-bit

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**Table**
- RH850
- RH850

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**Figure**
- Automotive microcontrollers

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**Diagram**
- Functional block diagram
- Schematic diagram

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**Figure**
- Automotive information systems–microcontroller

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**Diagram**
- Functional block diagram
- Schematic diagram
TOOLS

3RD PARTY EMULATORS
SOFTWARE TOOLS
ON-CHIP DEBUGGING
IN-CIRCUIT EMULATION

RL78/F12 Starter Kit

Order code: Y-RH850-X1X-MB-T1-V1
Order codes: QB-R5F109GE-TB (RL78/F12)

For RH850 evaluation
To be used in combination with

Different license options: locked to PC, dongled (USB), floating

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