

REPLACEMENT GUIDE DOCUMENT LIST (OTHER MCU, CAN)

2024.7.23 REV1.1

This is a list of materials that are currently open to the web.
Additional materials may be added in the future.

MIGRATION GUIDE FROM LEGACY PRODUCTS TO RX

For customers using legacy products who think to migrate to RX products, we are providing guides that are useful for replacement, such as differences in each function.

< Product to be migrated >

H8 • H8S • H8SX • SHC • M16C/R32C • V850

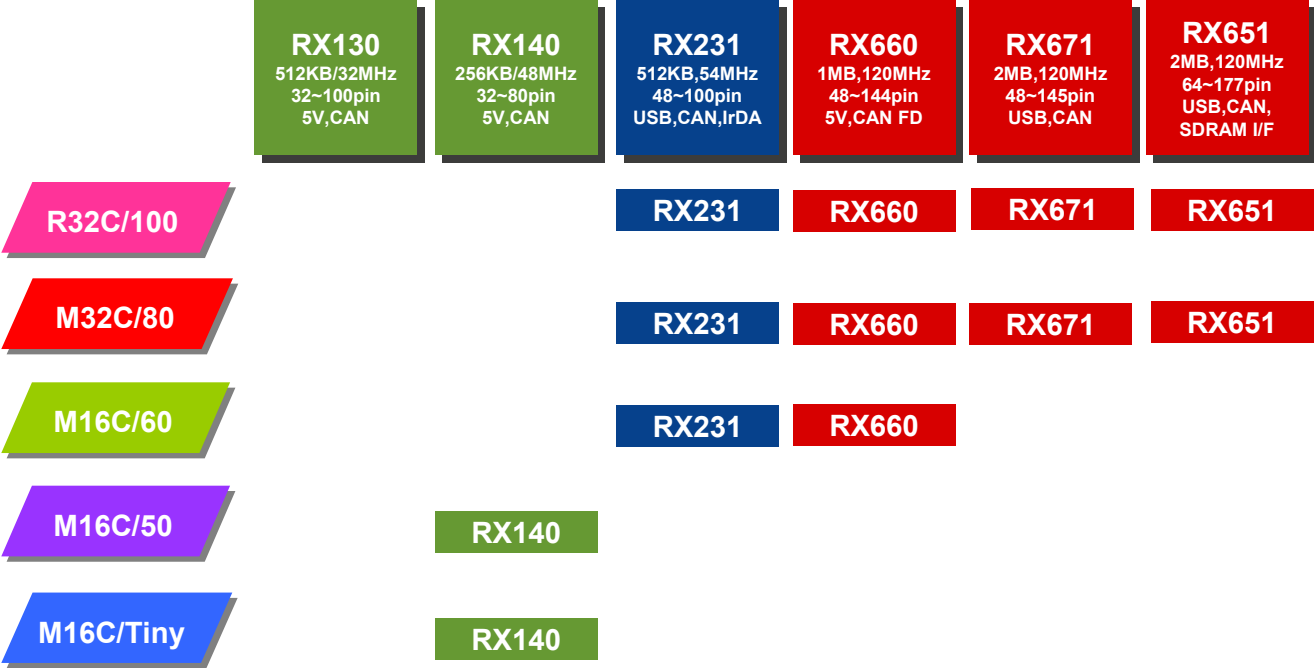
CAN

H8/H8S/H8SX FAMILY : MIGRATION FROM EACH SERIES

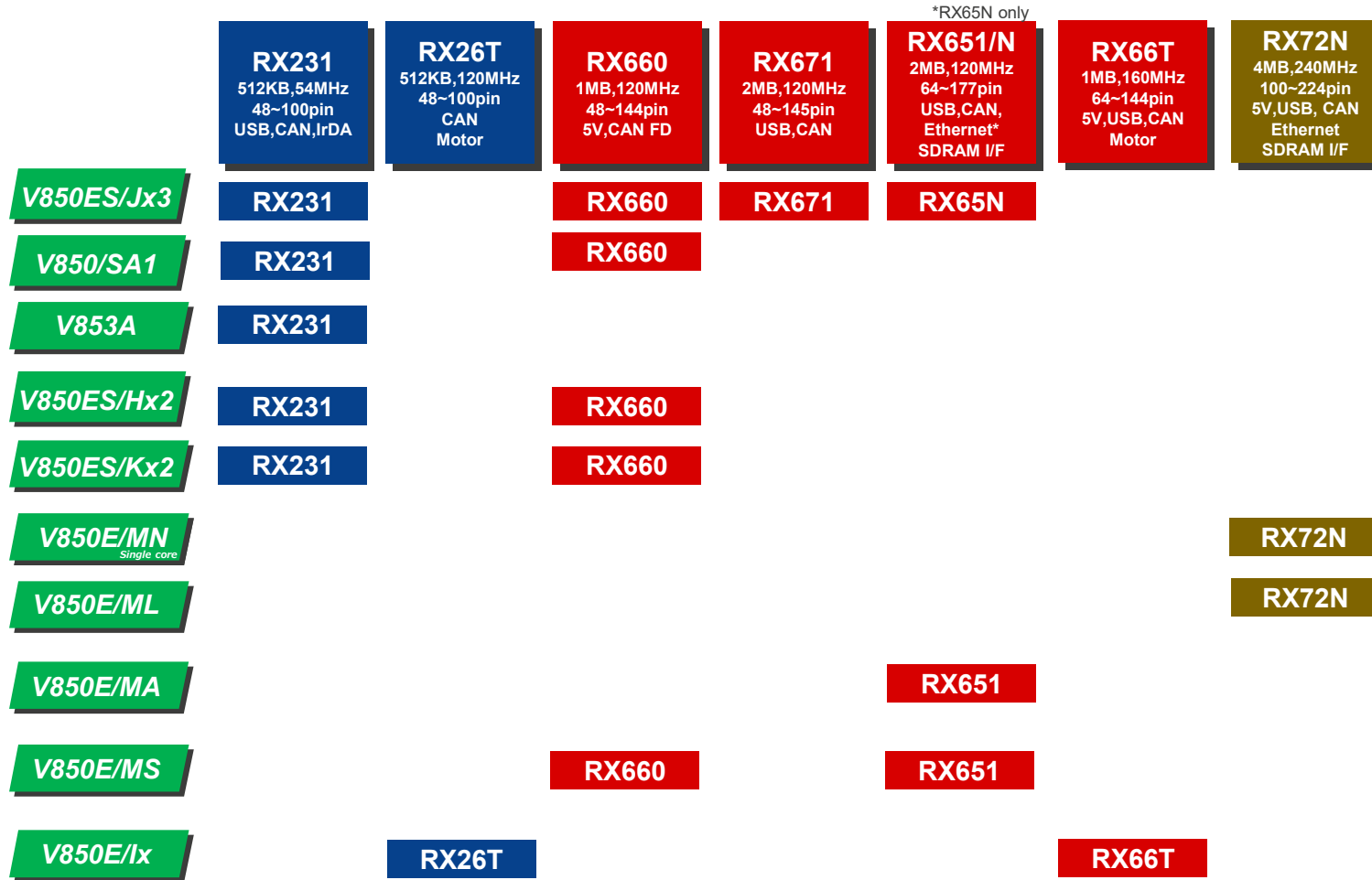
	RX111 512KB/32MHz 36~64pin USB	RX113 512KB/32MHz 32~64pin Seg-LCD,IrDA, USB	RX130 512KB/32MHz 32~100pin 5V,CAN	RX140 256KB/48MHz 32~80pin 5V,CAN	RX230 256KB,54MHz 48~100pin IrDA	RX231 512KB,54MHz 48~100pin USB,CAN,IrDA	RX660 1MB,120MHz 48~144pin 5V,CAN FD	RX671 2MB,120MHz 48~145pin USB,CAN	RX651/N 2MB,120MHz 64~177pin USB,CAN, Ethernet* SDRAM I/F
H8SX/1700							RX660		
H8SX/1600							RX660	RX671	RX651
H8SX/1500						RX231	RX660		
H8S/2600			RX130			RX231	RX660		RX651
H8S/2500							RX660		RX651
H8S/2400							RX660		RX651/N
H8S/2300							RX660		RX651
H8S/2200	RX111	RX113			RX230	RX231	RX660	RX671	
H8S/2100			RX130		RX230	RX231	RX660		RX651
H8S/Tiny			RX130	RX140	RX230				
H8/300H		RX113		RX140	RX230	RX231	RX660		
H8/Tiny			RX130	RX140					
H8/300L		RX113	RX130	RX140					

*RX65N only

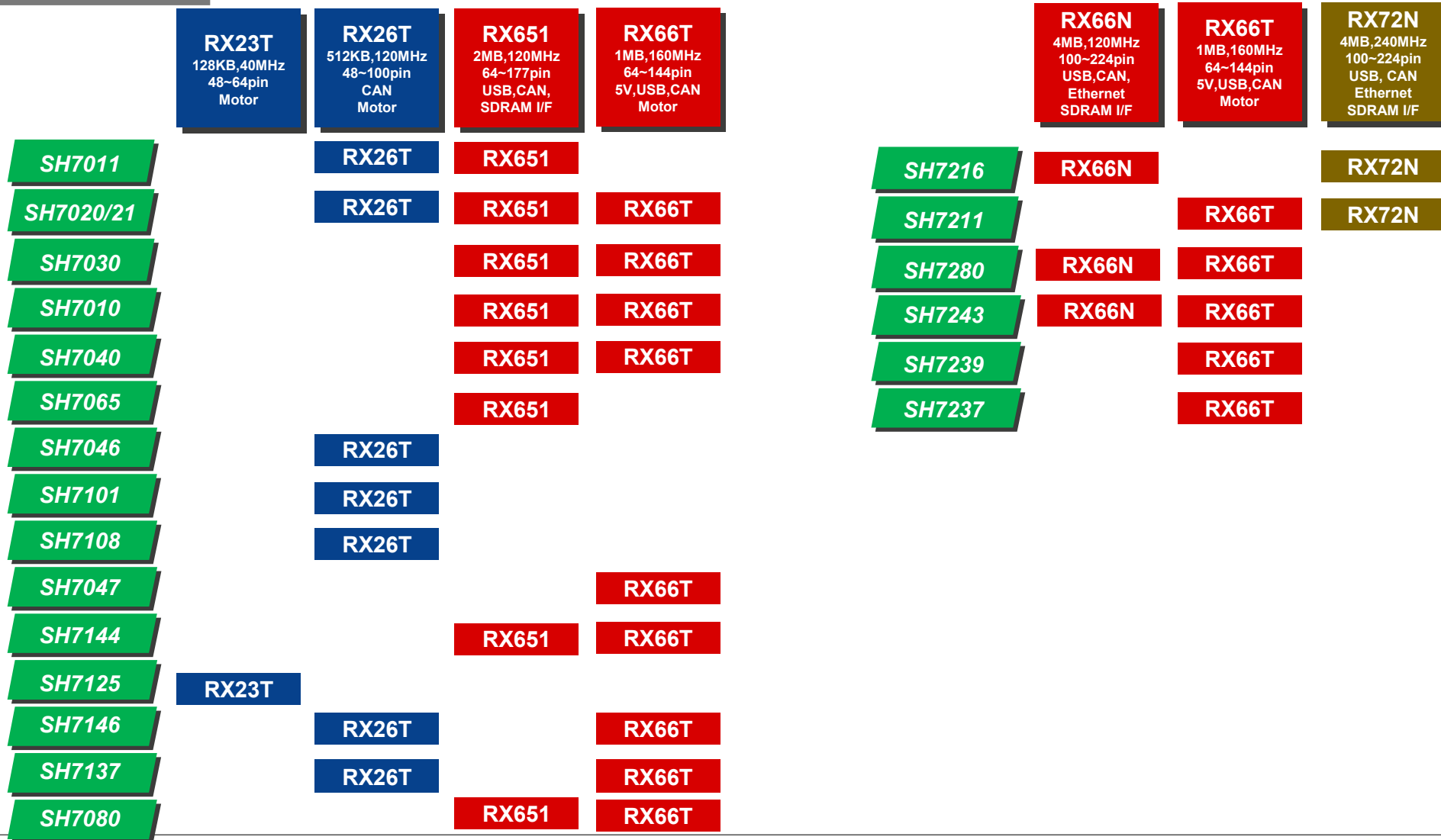
M16C FAMILY: MIGRATION FROM EACH SERIES



V850 FAMILY: MIGRATION FROM EACH SERIES



SUPERH CONTROLLER FAMILY : MIGRATION FROM EACH SERIES



REPLACEMENT GUIDE DOCUMENT LIST(MCU'S)

■ H8 Family


H8/3048 → **RX231**

■ H8S Family

H8S/2378 → **RX231**

■ H8SX Family

H8SX/1668 → **RX65N**

Guide documents
(Please click  for download)

All functions

Timer

DTC

BUS

SCI

ADC

Timer

DTC

WDT

SCI

ADC

Other products that document can be referred

H8/3052,H8/3067,H8/3069,H8/3068,H8/3064,H8/3062

H8S/2355,H8S/2345,H8S/2398,H8S/2357,H8S/2350,
H8S/2368,H8S/2339,H8S/2329,H8S/2319

H8SX/1657,H8SX/1638, H8SX/1648, H8SX/1645,H8SX/1635

REPLACEMENT GUIDE DOCUMENT LIST(MCU'S)

■ SH Family

SH7044 → **RX651**

Guide documents
(Please click  for download)

All
functions

SH7080 → **RX651**

All
functions

SH7216 → **RX72M**

All
functions

Other products that document can be referred

SH7010,SH7020,SH7030,SH7040,SH7144,SH7145,SH7046,SH7047

SH7124,SH7125,SH7137/36,SH7132/31,/SH7146,SH7149

SH7214,SH7211,SH7286,SH7285,SH7243,SH7239,SH7237,SH7231

■ V850 Family

V850E/lx3 → **RX24T**

All
functions

V850E/MA3 → **RX651**

All
functions


V850E/JF3-L → **RX231**

All
functions

REPLACEMENT GUIDE DOCUMENT LIST(MCU'S)

■ M16C Family

M16/65C → RX231
RX660

Guide documents
(Please click  for download)

Clock	BUS	DMAC/ DTC
SCI (Sync)	SCI (Async)	Simple IIC
Timer	ADC DAC	

Other products that document can be referred

M16C/60,M16C/50,M16C/Tiny


M32C/R32C → RX660

Clock	BUS	DMAC/ DTC
SCI*1	Timer	ADC DAC

R32C/100,M32C/80

* Sync, Async, Simple IIC is included

REPLACEMENT GUIDE DOCUMENT LIST(CAN)

Guide documents
(Please click  for download)

HCAN → **RX CAN**
H8S use

[RX CAN](#)

RCAN-TL1 → **RX CAN**
H8SX use

[RX CAN](#)

HCAN2 → **RX CAN**
SH use

[RX CAN](#)

RCAN-ET → **RX CAN**
SH,H8SX use

[RX CAN](#)

