

Separate Sheet

Product Specifications of the RL78/F15 Group of MCUs

Group name		RL78/F15				
Pin count		48-pin	64-pin	80-pin	100-pin	144-pin
Part number		R5F113Gx	R5F113Lx	R5F113Mx	R5F113Px	R5F113Tx
Code flash(Byte)		384 KB, 512 KB			128 KB – 512 KB	
Data flash(Byte)		8 KB			8 KB, 16 KB	
RAM(Byte)		26 KB, 32 KB			10 KB – 32 KB	
OSC	External	High speed 1 MHz – 20 MHz, Low speed 32.768 KHz				
	Internal	High speed 32 MHz, Low speed 15 KHz				
CPU		RL78 CPU				
I/O		38	52	68	86	130
Timer		16bit Timer (TAU, Timer RJ, Timer RD), WDT				
10-bit A/D		18 ch	20 ch	25 ch	31 ch	31 ch
Serial I/F	48-pin	<ul style="list-style-type: none"> •CSI:4 ch/UART :2 ch/ Simple I²C :4 ch •LIN-UART(RLIN3): 2 ch 				
	64-pin	<ul style="list-style-type: none"> •CSI:4 ch/UART :2 ch/ Simple I²C :4 ch •LIN-UART(RLIN3):2 ch 				
	80-pin	<ul style="list-style-type: none"> •CSI:4ch/UART :2 ch/ Simple I²C :4 ch •LIN-UART(RLIN3):2 ch 				
	100-pin	<ul style="list-style-type: none"> •CSI :6ch/UART :3 ch/ Simple I²C :4 ch •LIN-UART(RLIN3) :3 ch 				
	144-pin	<ul style="list-style-type: none"> •CSI:6ch/UART :3 ch/ Simple I²C :4 ch •LIN-UART(RLIN3):3 ch 				
	Common	Multi Master I ² C Bus: 1 ch, IE Bus: 1 ch, CAN: 2 ch				
DTC		46 sources			50 sources	52 sources
Other		D/A, Comparator, ELC, LVD, POR, Key return, RTC, Safety functions				
Voltage range		2.7 V - 5.5 V				
Operating temperature		Ta= -40°C – 105°C, Ta= -40°C -125°C				

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