

Specification sheet

Specifications of the blood pressure monitoring evaluation kit

	Part number	Content
Hardware	RTK0EH0003S02001BR	<ul style="list-style-type: none"> •RL78/H1D built-in reference board *Circuit diagrams and reference patterns can also be downloaded from the website •pressure sensor •arm cuff •pump •electronically controlled valve •LCD •BLE module
Software		<ul style="list-style-type: none"> •reference software •GUI tool •smartphone application

Specifications of the RL78/H1D

		R5F11NG*	R5F11PL*	R5F11NL*	R5F11NM*	
Analog	Power Supply	2.7 – 5.5 V		2.7 – 5.5 V	2.7 – 5.5 V	
	ADC	24-bit $\Delta\Sigma$ ADC 10-/8-bit SAR ADC		24-bit $\Delta\Sigma$ ADC 10-/8-bit SAR ADC	24-bit $\Delta\Sigma$ ADC 10-/8-bit SAR ADC	
	DAC	8-bit DAC x1 12-bit DAC x1		8-bit DAC x1 12-bit DAC x1	8-bit DAC x1	
	Amp	PGA x2, OpAmp x3		PGA x2, OpAmp x3	PGA x1, OpAmp x1	
	SW	Analog SW for PGIA x2ch		-	-	
MCU	Power Supply	2.4 – 5.5 V		2.4 – 5.5 V	2.4 – 5.5 V	
	Code Flash	96 kB/ 128 kB		96 kB/ 128 kB	64 kB/ 96 kB / 128 kB	
	SRAM	5.5 kB		5.5 kB	5.5 kB	
	Data Flash	4 kB		4 kB	4 kB	
	LCD	Segment signal output	-		27(23) (Note 1)	36(32) (Note 1)
		Common signal output	-		4(8) (Note 1)	4(8) (Note 1)
	PWM	3ch		2ch	3ch	

	I/F	Serial interface	<ul style="list-style-type: none"> • CSI (SPI supported): 1 channel/UART (LIN-bus supported): 1 channel/simplified I²C: 1 channel • CSI: 1 channel/UART: 1 channel/simplified I²C: 1 channel • CSI: 1 channel/UART: 1 channel/simplified I²C: 1 channel 			
		I ² C bus	1 channel			
Package			LFQFP 48-pin (7mm x 7mm)	TFBGA 64-pin (4mm x 4mm)	LFQFP 64-pin (10mm x 10mm)	LFQFP 80-pin (12mm x 12mm)

(Note 1) The number of outputs varies depending on the settings of the number of masters and channels used. The value in parentheses is the number of signal outputs when 8com is used.

*Part number varies depending on code flash ROM capacity.

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