

October 2, 2012

Product Specifications of the RL78/D1A Group of MCUs

Item	Specifications							
Group name	RL78/D1A							
Package	48-pin QFP		64-pin QFP		80-pin QFP		100-pin QFP	
Product name	R5F 10CG	R5F 10DG	R5F 10CL	R5F 10DL	R5F 10CM	R5F 10DM	R5F 10DP R5F 10TP	R5F 10DP
Code flash(Byte)	24- 48K	32- 64K	48K	48/64K	48/64K	48- 256K	64- 128K 256K	256K
Data flash (Byte)	8K	8K	8K	8K	8K	8K	8K	8K
RAM (Byte)	2/3K	2-4K	3K	3/4K	3/4K	3-16K	9-16K	16K
Voltage range	5V							
Maximum operating frequency	32 MHz @ -40-+85°C, 20 MHz @ -40-+105°C							
Operating temperature	-40-+85°C or -40-+105°C							
CPU	RL78							
Stepper motor controller/driver	1	1	2	2	4	4	4	4
LCD controller/driver	27 (seg)× 4 (com)		39 (seg)× 4 (com)		48 (seg)× 4 (com)		53 (seg)× 4 (com)	
CAN	-	1	-	1	-	1	1	2
Other peripherals	16-bit timer							
	Interval timer							
	Real time clock							
	Watchdog timer							
	UART (supports LIN-bus)							

Item	Specifications
	3-wire clocked serial interface
	I2C
	Sound generator
	A/D converter