

February 14, 2012

## Main Specifications of the V850E2/Fx4-L MCU

Features		V850E2/Fx4-L				
Pin count		64-pin	80-pin	100-pin	144-pin	176-pin(*)
Product name		μPD70F3570- μPD70F3572	μPD70F3573- μPD70F3575	μPD70F3576- μPD70F3580	μPD70F3582- μPD70F3586	μPD70F3587- μPD70F3589
Code flash (Byte)		256K-512K		256K-1M	384K-1.5M(*)	768K-1.5M
Data flash (Byte)		32K				
RAM (Byte)		24K-32K		24K-64K	28K-96K	48K-96K
Back-up RAM (Byte)		4K		4K-8K	4K-8K	8K
OSC	External	4, 5, 6, 8, 10, 12, 16, 20 MHz				
	Internal	High speed 8 MHz, Low speed 240 KHz				
CPU		V850E2S				
I/O		45	61	76	116	145
Timer	Timer array unit B (16-bit, 16 ch)	1 unit			2 units	
	Timer array unit J (32-bit, 4 ch)	1 unit				
	Window watch dog	2 ch				
	OS timer	1 ch				
10-bit A/D		12 ch	14 ch	20 ch	24 ch	
Serial I/F	CAN(32 message)	1		2		
	UART (LIN master)	2		3	3 (-384K) 5 (512K-1.5M)	5
	CSI	2		3		4

Features		V850E2/Fx4-L			
I <sup>2</sup> C	1				
External interrupt (inc. NMI)	10	14	16	17	
DMA	8 ch				
Other	Power-on-clear, clock-monitor, key-return (8 ch)				
Voltage range	VPOC (Power-on-clear detect voltage) -5.5V				
Operating temperature	-40°C-85°C, -40°C-110°C, -40°C-125°C				

(\*): under planning

(Note) Above chart include products under planning and may be subject to change without prior notice.

(Remarks) CAN (Controller Area Network) is an automotive network specification proposed by Robert Bosch GmbH (Germany). All registered trademarks or trademarks are the property of their respective owners.