



Feature Overview XC800 A-Family

	Core		Flash with ECC		ROM	SRAM			I ² C	FOC	UART	CAN	SPI	ADC	Capture Compare Units		Touch sense control	High current pads	PWM channels	Package	Temperature (T _{ambient})
	Core	Frequency (MHz)	Program Flash	Data Flash	Program	Σ SRAM	RAM	XRAM	MDU	LIN	Channels	SSC	Channels	T2CCU	CCU6						
Feature Overview XC800 A-Family for Automotive																					
7-Series	8051	27	24-64	Up to 4		3328	256+64	3008	-	yes	3	Up to 2	1	8	1	1	-	-	10	LQFP-64	-40°C to +125°C
8-Series	8051	24	24-32	Up to 8	24-32	1792	256	1536	-	yes	2	Up to 2	1	8	-	1	-	-	4	TQFP-48/ LQFP-64	-40°C to +150°C
6-Series	8051	27	4-16	Up to 4	4-16	768	256	512	-	-	1	-	1	8	-	1	-	-	4	TSSOP-38	-40°C to +150°C
3-Series	8051	24	4-8	0.128		512	256	256	yes	yes	1	-	1	4/8	-	1	yes	yes	4	TSSOP-28	-40°C to +150°C
2-Series	8051	24	4	0.128		512	256	256	yes	no/yes	1	-	1	4	-	1	-	-	4	SSOP-24	-40°C to +150°C



Feature Overview XC800 I-Family

	Core		Flash		SRAM	I ² C	FOC	UART	CAN	SPI	ADC	Capture Compare Units		Touch sense control	High current pads	PWM channels	Package	Temperature (T _{ambient})
	Core	Frequency (MHz)	Program Flash (KB)	Data Flash (KB)	Σ SRAM		Cordic/MDU		Channels (message objects)	SSC	Channels	T2CCU	CCU6					
Feature Overview XC800 I-Family for Industrial & Multi-Market																		
7-Series	8051	27.67	52/64	Up to 4	3320	no	yes	yes	2 (32)	yes	8	1	1	no	no	10	TQFP-64	-40°C to +125°C
5-Series	8051	27.67	24/52/64	Up to 4	3320	no	no	yes	2 (32)	yes	8	1	1	no	no	10	TQFP-64	-40°C to +125°C
8-Series	8051	24	24/32	Up to 8	1792	no	yes	yes	2	yes	8	0	1	no	no	4	TQFP-48/ TQFP-64	-40°C to +125°C
6-Series	8051	27.67	4/8/16	Up to 8	768	no	no	yes	0	yes	8	0	1	no	no	4	TSSOP-20/ TSSOP-38	-40°C to +125°C
3-Series	8051	24	4/8	0.128	512	yes	yes	yes	0	yes	8	0	1	yes	yes	4	DSO-24/ TSSOP-28	-40°C to +125°C
2-Series	8051	24	4	0.128	512	yes	no	yes	0	yes	4	0	1	yes	no	4	TSSOP-16/ DSO-20	-40°C to +125°C

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