

C 166 Family

Member of C166 Family	Type	max CPU Clock	Oscillator	Instruction Cycle Time	ROM/Flash/OT P/DRAM	RAM	Linear Address Space for Code/Data	I/O Lines	ADC Inputs Resolution	Timers/Counters (16-Bit)	Capture Compare Unit (Channels)	PWM (Outputs)	Interrupts Vectors/Levels	Serial I/O	Real Time Clock	CAN interface 2.0B active	Hardware Power Down	Watchdog Timer	Osc Watchdog	On-Chip Bootstrap loader	Packaging		
C161	C161V-LM	20 MHz	Prescaler/ Direct Input	100 ns	-	1 KB	4 MB	63	-	3	-	-	14/16	USART + SSC	-	-	-	-	-	-	P-MQFP-80		
	C161K-LM					2 KB							✓										
	C161O-LM					2 KB							✓										
	C161OR-LM	25 MHz	PLL Prescaler/ Direct Input	80 ns	-	3 KB	8 MB	76	4/10 bit	5	-	-	27/16	USART + SSC + I ² C	✓	-	yes + Powers.	✓	-	✓	P-MQFP-100		
	C161PI-LM					3 KB																✓	
	C161PI-LF					3 KB																✓	
C163	C163-LF	20 MHz	PLL Prescaler/ Direct Input	100 ns	-	1 KB	16 MB	77	-	5	-	-	20/16	USART + SSP	-	-	✓	✓	-	-	P-TQFP-100		
	C163-L25F	25 MHz		80 ns	-																	76	
	C163-16F25F			80 ns	128 KB Flash																		
	C163-24D33F	33 MHz		60 ns	192 KB DRAM																		
C164	C164CI-LM	20 MHz	PLL Prescaler/ Direct Input	100 ns	-	4 KB	4 MB	59	8/10 bit	5	8	6	32/16	USART + SSC	✓	✓	yes + Powers.	✓	✓	✓	P-MQFP-80		
	C164CI-8EM				64 KB OTP	2 KB																	
	C164CI-4RM				32 KB ROM	4 KB																	
	C164CI-8RM				64 KB ROM																		
	C164CL-4RM				32 KB ROM																		
	C164SI-8RM				64 KB ROM																		
	C165				C165-LM	20 MHz																PLL Prescaler/ Direct Input	100 ns
C165-L25M		25 MHz	80 ns	P-TQFP-100																			
C165-LF		20 MHz	100 ns	P-MQFP-100																			
C165-L25F		25 MHz	80 ns	P-TQFP-100																			
80C166	80C166-M	20 MHz	Prescaler	100 ns	32 KB ROM	1 KB	256 KB	76	10/10 bit	7	16	-	32/16	2 x USART	-	-	✓	✓	-	✓	P-MQFP-100		
	83C166-5M		Prescaler/ Direct Input																				
	80C166W-M		Prescaler/ Direct Input																				
C167	C167S-4RM	20 MHz	PLL/ Prescaler/ Direct Input	100 ns	32 KB ROM	2 KB	16 MB	111	16/10 bit	9	32	4	56/16	USART + SSC	-	✓	-	-	-	-	-	P-MQFP-144	
	C167CR-LM	-			4 KB																		
	C167CR-L25M	25 MHz		80 ns		-																	
	C167CR-4RM	20 MHz		PLL/ Prescaler/ Direct Input	100 ns	32 KB ROM																	4 KB
	C167CR-16RM					128 KB ROM																	
	C167CS-LM					-																	11 KB
	C167CS-4RM					32 KB ROM																	
	C167CS-32FM					256 KB Flash + 4 KB Data Flash																	
C167CS-32FM	256 KB Flash + 4 KB Data Flash																						

* in preparation