



# 2010 Cyrod MCU Product Selector Guide

	BASE NUMBER	PACKAGE OPTIONS	FLASH SIZE	RAM	OPERATING		CYC/ INST	I/O	DPTR	TIMERS	W/D	UART	PWM CH.	PCA CH.	EXTENDED INTERRUPT	EEPROM	ISP	A/D	2 WIRE	OTHER	
					VOLTAGE	FREQ.															
<b>1T</b>	CRD89C51RC1T	64TQFP	32K	2304	4.5V - 5.5V	25 Mhz	1	48	2	3	W/D POR	2	4	4	Yes	Yes	Yes	4x10 bit	Yes	Math Processor, SPI	
	CRD89L51RC1T				2.7V - 3.6V																
	CRD89C51RD1T	64LQFP	64K	2304	4.5V - 5.5V	25 Mhz	1	48	2	3	W/D POR	2	4	4	Yes	Yes	Yes	4x10 bit	Yes	Math Processor, SPI	
	CRD89L51RD1T				2.7V - 3.6V																
	CRD89C51AB1TA	40PDIP 44PLCC 44PQFP 48LQFP	12K + 4K	1280	4.5V - 5.5V	25 Mhz	1	36 40 40 44	2	3	W/D LVI LVR POR	2	4	4	Yes	Yes	Yes	8x10 bit	Yes	Math Processor, SPI	
	CRD89L51AB1TA				2.7V - 3.6V																
	CRD89C51AA1TA		8K + 4K		4.5V - 5.5V																
	CRD89L51AA1TA		2.7V - 3.6V																		
	CRD89C51AR1TA		4K + 4K		4.5V - 5.5V																
	CRD89L51AR1TA		2.7V - 3.6V																		
	CRD89C51AB1TB		12K + 4K		4.5V - 5.5V																
	CRD89L51AB1TB		2.7V - 3.6V																		
	CRD89C51AA1TB	8K + 4K	4.5V - 5.5V																		
	CRD89L51AA1TB	2.7V - 3.6V																			
	CRD89C51AR1TB	4K + 4K	4.5V - 5.5V																		
	CRD89L51AR1TB	2.7V - 3.6V																			
	CRD89C51AD1T	40PDIP 44PLCC 44PQFP 48LQFP	60K + 4K	2304	4.5V - 5.5V	25 Mhz	1	36 40 40 44	2	3 + RTC	W/D LVI LVR POR	2	4	4	Yes	Yes	Yes	8x10 bit + OPA	Yes	Math Processor, SPI	
	CRD89L51AD1T		2.7V - 3.6V																		
	CRD89C51AC1T		32K + 4K		4.5V - 5.5V																
	CRD89L51AC1T		2.7V - 3.6V																		
CRD89C51AB1T	40PDIP 44PLCC 44PQFP 48LQFP	60K + 4K	1280	4.5V - 5.5V	25 Mhz	1	36 40 40 44	2	3	W/D LVI LVR POR	1	4	4	Yes	Yes	Yes	Yes	Yes	SPI		
CRD89L51DD1TB				2.7V - 3.6V																	
CRD89C51DD1TB		32K + 4K		4.5V - 5.5V																	
CRD89L51DD1TB		2.7V - 3.6V																			
CRD89C51DB1TB	44PQFP 48LQFP	16K + 4K	1280	4.5V - 5.5V	25 Mhz	1	36 40 40 44	2	3	W/D LVI LVR POR	1	4	4	Yes	Yes	Yes	Yes	Yes	SPI		
CRD89L51DB1TB				2.7V - 3.6V																	
CRD89C51DR1TC		4K + 4K		4.5V - 5.5V																	
CRD89L51DR1TC	2.7V - 3.6V																				
<b>6T</b>	CRD89C51RA2	40PDIP	8K + 4K	1024	4.5V - 5.5V	25 Mhz	6	32 36 36	2	3	Yes	1	Yes	Yes	Yes	Yes	Yes				
	CRD89L51RA2				3.0V - 3.6V																
	CRD89C51RB2	44PLCC	16K	1024	4.5V - 5.5V	25 Mhz	6	32 36 36	2	3	Yes	1	Yes	Yes	Yes	Yes	Yes				
	CRD89L51RB2				3.0V - 3.6V																
<b>12T ISP</b>	CRD89C51RD	40PDIP	64K Program	1024	4.5V - 5.5V	40 Mhz	12	32 36 36	1	3	Yes	1	5 pin				Yes				
	CRD89L51RD				3.0V - 3.6V								2 pin								
	CRD89C512RD	44PLCC	64K P/64K D	1024	4.5V - 5.5V	40 Mhz	12	32 36 36	1	3	Yes	1	4 pin				Yes			Yes	
	CRD89C51RE				4.5V - 5.5V								4 pin								
<b>12T</b>	CRD89C4051	20SOIC	4K	128	4.5V - 5.5V	40 Mhz	12	15	1	2	Yes	1						COMP.	Yes	LED Drive	
	CRD89L4051				3.0V - 3.6V																
	CRD89C51	40PDIP 44PLCC 44QFP	4K	128	4.5V - 5.5V	40 Mhz	12	32 36 36	1	3	Yes	1									
	CRD89L51				3.0V - 3.6V																
	CRD89C51R		4.5V - 5.5V																		
	CRD89L51R		3.0V - 3.6V																		
	CRD89C51RA	44QFP	8K	256	4.5V - 5.5V	40 Mhz	12	32 36 36	1	3	Yes	1									
	CRD89L51RA				3.0V - 3.6V																
	CRD89L51RA		4.5V - 5.5V																		
	CRD89C51AA		4.5V - 5.5V																		
	CRD89C51RB	40PDIP 44PLCC 44QFP	16K	1024	4.5V - 5.5V	40 Mhz	12	32 36 36	1	3	Yes	1	5 pin								
	CRD89L51RB				3.0V - 3.6V																
	CRD89C51RC		4.5V - 5.5V																		
	CRD89L51RC		3.0V - 3.6V																		
	CRD89C51AC	40PDIP 44PLCC 44QFP	32K	1024	4.5V - 5.5V	40 Mhz	12	32 36 36	1	2+RTC+ Capt/Comp	Yes	1	2 pin					4x6 bit	Yes	LED Drive	
	CRD89L51AC				3.0V - 3.6V																
CRD89C51AD	4.5V - 5.5V																				
CRD89L51AD	3.0V - 3.6V																				