



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.																																
1T	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							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												
	CRD89L51AA1TA				2.7V - 3.6V																																	
	CRD89C51AR1TA		4K + 4K		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 + OPA	Yes	Math Processor, SPI												
	CRD89L51AR1TA				2.7V - 3.6V																																	
	CRD89C51AB1TB		12K + 4K		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 + OPA	Yes	Math Processor, SPI						
	CRD89L51AB1TB				2.7V - 3.6V																																	
	CRD89C51AA1TB	8K + 4K	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 + OPA	Yes	Math Processor, SPI								
	CRD89L51AA1TB		2.7V - 3.6V																																			
	CRD89C51AR1TB	4K + 4K	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 + OPA	Yes	Math Processor, SPI		
	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	48LQFP	16K + 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																	
CRD89L51AB1T				2.7V - 3.6V																																		
CRD89C51DD1TB	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	SPI																		
CRD89L51DD1TB		2.7V - 3.6V																																				
CRD89C51DD1TB		32K + 4K		4.5V - 5.5V																																		
CRD89L51DD1TB		2.7V - 3.6V																																				
CRD89C51DB1TB		16K + 4K		4.5V - 5.5V																																		
CRD89L51DB1TB	2.7V - 3.6V																																					
CRD89C51DR1TC	48LQFP	4K + 4K	256	4.5V - 5.5V	25 Mhz	1	36 40 40 44	2	3	W/D LVI LVR POR	1	4	4			Yes	Yes		Yes	SPI																		
CRD89L51DR1TC				2.7V - 3.6V																																		
6T	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																																	
12T ISP	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																									
12T	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	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	44PLCC	8K	256	4.5V - 5.5V	40 Mhz	12	32 36 36	1	3	Yes	1																										
	CRD89L51RA				3.0V - 3.6V																																	
	CRD89C51AA	44QFP	8K	256	4.5V - 5.5V	40 Mhz	12	32 36 36	1	3	Yes	1																										
	CRD89L51AA				3.0V - 3.6V																																	
	CRD89C51RB	40PDIP	16K	1024	4.5V - 5.5V	40 Mhz	12	32 36 36	1	3	Yes	1																										
	CRD89L51RB				3.0V - 3.6V																																	
	CRD89C51RC				4.5V - 5.5V																																	
	CRD89L51RC				3.0V - 3.6V																																	
	CRD89C51AC	44QFP	32K	1024	4.5V - 5.5V	40 Mhz	12	32 36 36	1	3	Yes	1																										
	CRD89L51AC				3.0V - 3.6V																																	
CRD89C51AD	4.5V - 5.5V																																					
CRD89L51AD	3.0V - 3.6V																																					
CRD89C51AD	44PLCC	64K	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																			
CRD89L51AD				3.0V - 3.6V																																		