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Development Tools of Choice

Atmel Microcontrollers supported by Ceibo

DS-51 - In-Circuit Emulator

µC	Probe	Header	Special Adapters	Frequency	Voltage	Limitations
AT87F51/2	P-C51LV	44-PLCC	40-DIP, 44-QFP	24/33MHz	5V	
AT89C51/2	P-C51LV	44-PLCC	40-DIP, 44-QFP	24MHz	3.3V/5V	
AT8xLV51/2	P-C51LV	44-PLCC	40-DIP, 44-QFP	12MHz	3.3V/5V	
AT8xS51/2/3	P-C51LV	44-PLCC	40-DIP, 44-QFP	24MHz	3.3V/5V	
AT8xLS51/2/3	P-C51LV	44-PLCC	40-DIP, 44-QFP	16MHz	3V	
AT8x51RC	P-C51LV	44-PLCC	40-DIP, 44-QFP	24MHz	5V	
TS8xC51U2	P-C51LV	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	ROMless only
AT89LV55	P-C51LV	44-PLCC	40-DIP, 44-QFP	12MHz	3V	
AT8xC55WD	P-C51LV	44-PLCC	40-DIP, 44-QFP	24/33MHz	3.3/5V	
AT89S8252/LS8252	P-C51LV	44-PLCC	40-DIP, 44-QFP	24MHz	3.3/5V	ROMless only without ISP
T89C51iB2/iC2/iD2	P-C51LV	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	ROMless only
T8xC51RA/RB2/RC2/RD2	P-C51LV	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	no EEROM
AT89C51RD2/ED2	P-C51LV	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	ROMless only
AT89C51RD2-68P	P-C51LV	68-PLCC	64-QFP	30/40MHz	3.3/5V	ROMless only

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TS80C31X2/32X2	P-C51LV	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	
TS8xC52X2/54X2/58X2	P-C51LV	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	
AT89C1051U/2051/4051	P-C51LV	44-PLCC	20-DIP, 20-SO	24MHz	3.3/5V	Analog Comp not supported

EB-51 - Low Cost Emulator

µC	Special Adapters	Frequency	Voltage	Limitations
AT87F51/2	44-PLCC, 44-QFP	24/33MHz	5V	
AT89C51/2	44-PLCC, 44-QFP	24MHz	3.3V/5V	
AT8xLV51/2	44-PLCC, 44-QFP	24MHz	3.3V/5V	
AT8xS51/2/3	44-PLCC, 44-QFP	24MHz	3.3V/5V	
AT8xLS51/2/3	44-PLCC, 44-QFP	16MHz	3V	
AT8x51RC	44-PLCC, 44-QFP	24MHz	5V	
AT89LV55	44-PLCC, 44-QFP	12MHz	3V	
AT8xC55WD	44-PLCC, 44-QFP	24/33MHz	3.3/5V	
AT89LV55	44-PLCC, 44-QFP	24MHz	3.3/5V	
AT89C1051U/2051/4051	20-DIP, 20-SO	24MHz	3.3/5V	Analog Com not supported

EB-51X2 - Low Cost Emulator

µC	Daughter Board	Header	Special Adapters	Frequency	Voltage	Limitations
TS8xC51U2	DB-51X2	40-DIP	44-PLCC, 44-QFP	30/40MHz	3.3/5V	ROMless only
T89C51iB2/C2/D2	DB-51X2	40-DIP	44-PLCC, 44-QFP	30/40MHz	3.3/5V	ROMless only
TS80C51RA2/B2/C2/D2	DB-51X2	40-DIP	44-PLCC, 44-QFP	30/40MHz	3.3/5V	no EEROM
AT89C51RD2	DB-51X2	40-DIP	44-PLCC, 44-QFP	30/40MHz	3.3/5V	no EEROM
TS80C31X2/32X2	DB-51X2	40-DIP	44-PLCC, 44-QFP	30/40MHz	3.3/5V	
TS87C52X2/54X2/58X2	DB-51X2	40-DIP	44-PLCC, 44-QFP	30/40MHz	3.3/5V	

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FE-51RD2 - Low Cost Emulator

µC	Header	Special adapter	Frequency	Voltage	Limitations
T8xC51iB2/C2/D2	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	UART shared
T8xC51RA2/B2/C2/D2	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	UART shared
AT89C51RD2/ED2	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	UART shared
TS80C31X2/32X2	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	UART shared
TS87C52X2/54X2/58X2	44-PLCC	40-DIP, 44-QFP	30/40MHz	3.3/5V	UART shared

FE-51RD2/68P - Low Cost Emulator

µC	Header	Special adapter	Frequency	Voltage	Limitations
T89C51RD2-68P	68-PLCC	64-QFP	24MHz	3.3/5V	UART shared

FE-51CC01 - Low Cost Emulator

µC	Header	Special adapter	Frequency	Voltage	Limitations
T89C5115	44-PLCC	40-DIP, 44-QFP, 28-PLCC, 32-QFP	24MHz	3.3/5V	UART shared
T89C51AC2	44-PLCC	40DIP, 44-QFP	30/40MHz	3.3/5V	UART shared
T89C51CC01/2	44-PLCC	40-DIP, 44-QFP, 28-PLCC, 32-QFP	24MHz	3.3/5V	UART shared

FE-5111 - Low Cost Emulator

µC	Header	Special adapter	Frequency	Voltage	Limitations
T8xC5111	24-DIP	24-SO	40MHz	3.3/5V	UART shared

FE-5121 - Low Cost Emulator

µC	Header	Special adapter	Frequency	Voltage	Limitations
AT8xC5121	52-PLCC	24-SSOP	40MHz	3.3/5V	UART shared

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FE-5122 - Low Cost Emulator

µC	Header	Special adapter	Frequency	Voltage	Limitations
AT8xC5122	68-PLCC	28-PLCC, 32-LQFP, 64-VQFP	40MHz	3.3/5V	UART shared

FE-5131 - Low Cost Emulator

µC	Header	Special adapter	Frequency	Voltage	Limitations
T8xC5131	52-PLCC	44-PLCC, 64-QFP,28-SSOP	40MHz	3.3/5V	UART shared

FE-SND1 - Low Cost Emulator

µC	Header	Special adapter	Frequency	Voltage	Limitations
AT8xC51SND1A	84-PLCC	80-QFP	40MHz	3.3	UART shared

DS-251 - In-Circuit Emulator

µC	Probe	Header	Special adapter	Frequency	Voltage	Highlights
TSC80C251G1D/G2D	251GX	44-PLCC	40-DIP, 44-QFP	16/24MHz	3/5V	Bondout tech

EB-C251 - Low Cost Emulator

µC	Daughter Board	Header	Special adapter	Frequency	Voltage	Highlights
TSC80C251G1D/G2D	C251GX	44-PLCC	40-DIP, 44-QFP	16/24MHz	3/5V	Bondout tech

MP-51 - Programmer

µC	Package	Adapters
AT87F51/2	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
AT89C51/2	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
AT8xLV51/2	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q

AT8xS51/2/3	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
AT8xLS51/2/3	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
AT8xC51RC	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
AT89C51RD2/ED2	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
AT89LV55	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
AT8xC55WD	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
AT89S8252/LS8252	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
T8xC51iB2/C2/D2	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
T89C51RA2/B2/C2/D2	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
TS87C51RA2/B2/C2/D2	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
TS80C31X2/32X2	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
TS87C52X2/54X2/58X2	PDIL40, CDIL40, PLCC44, CQPJ44, PQFP44	AD87C51D, AD87C51P, AD87C51Q
AT89C1051U/2051/4051	20-DIP, 20-SO	AD89C1051D, AD89C1051S

Nomenclature:

Probe: means the emulation module that carries on the particular microprocessor

Header: is the mechanical attachment to be plugged into a target socket instead of actual chip

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June 2003