



Cross Reference Table (NXP Flash MCU to Atmel Flash MCU Devices)

Direct Replacements (Pin-to-Pin Compatible)

	ATMEL		
NXP (Flash) P/N	AT89 (Flash) P/N	High Speed AT89LP (Flash) P/N	Package Type
P89C51X2BN	AT89S51-24PU	AT89LP51-20PU	40-pin PDIP
P89C51X2BA	AT89S51-24JU	AT89LP51-20JU	44-pin PLCC
P89C51X2FA	AT89S51-24JU	AT89LP51-20JU	44-pin PLCC
P89C51X2BBD	AT89S51-24AU	AT89LP51-20AU	44-pin TQFP
P89V51X2FN	AT89S51-24PU	AT89LP51-20PU	40-pin PDIP
P89V51X2FA	AT89S51-24JU	AT89LP51-20JU	44-pin PLCC
P89V51X2FBD	AT89S51-24JU	AT89LP51-20AU	44-pin TQFP
P89C51UBPN	AT89S51-24PU	AT89LP51-20PU	40-pin PDIP
P89C51UBAA	AT89S51-24JU	AT89LP51-20JU	44-pin PLCC
P89C51UBBB	AT89S51-24AU	AT89LP51-20AU	44-pin TQFP
P89C51UFPN	AT89S51-24PU	AT89LP51-20PU	40-pin PDIP
P89C51UFAA	AT89S51-24JU	AT89LP51-20JU	44-pin PLCC
P89C51UFBB	AT89S51-24AU	AT89LP51-20AU	44-pin TQFP
P89C52UBPN	AT89S52-24PU	AT89LP52-20PU	40-pin PDIP
P89C52UBAA	AT89S52-24JU	AT89LP52-20JU	44-pin PLCC
P89C52UBBB	AT89S52-24AU	AT89LP52-20AU	44-pin TQFP
P89C52UFPN	AT89S52-24PU	AT89LP52-20PU	40-pin PDIP
P89C52UFAA	AT89S52-24JU	AT89LP52-20JU	44-pin PLCC
P89C52UFBB	AT89S52-24AU	AT89LP52-20AU	44-pin TQFP
P89V52X2FN	AT89S8253-24PU	AT89LP52-20PU	40-pin PDIP

P89V52X2FA	AT89S8253-24JU	AT89LP52-20JU	44-pin PLCC
P89V52X2FBD	AT89S8253-24AU	AT89LP52-20AU	44-pin TQFP
P89C54UBPN	AT89C51RB2-3CSUM	AT89LP51RB2-20PU	40-pin PDIP
P89C54UBAA	AT89C51RB2-SLSUM	AT89LP51RB2-20JU	44-pin PLCC
P89C54UBBB	AT89C51RB2-RLTUM	AT89LP51RB2-20AAU	44-pin VQFP
P89C54UFPN	AT89C51RB2-3CSUM	AT89LP51RB2-20PU	40-pin PDIP
P89C54UFAA	AT89C51RB2-SLSUM	AT89LP51RB2-20JU	44-pin PLCC
P89C54UFBB	AT89C51RB2-RLTUM	AT89LP51RB2-20AAU	44-pin VQFP
P89C58UBPN	AT89C51RC2-3CSUM	AT89LP51RC2-20PU	40-pin PDIP
P89C58UBAA	AT89C51RC2-SLSUM	AT89LP51RC2-20JU	44-pin PLCC
P89C58UBBB	AT89C51RC2-RLTUM	AT89LP51RC2-20AAU	44-pin VQFP
P89C58UFPN	AT89C51RC2-3CSUM	AT89LP51RC2-20PU	40-pin PDIP
P89C58UFAA	AT89C51RC2-SLSUM	AT89LP51RC2-20JU	44-pin PLCC
P89C58UFBB	AT89C51RC2-RLTUM	AT89LP51RC2-20AAU	44-pin VQFP
P89C51RA2BA	AT89C51RB2-SLSUM	AT89LP51RC2-20PU	44-pin PLCC
P89C51RA2BBD	AT89C51RB2-RLTUM	AT89LP51RC2-20AAU	44-pin VQFP
P89C51RB2BP	AT89C51RB2-3CSUM	AT89LP51RB2-20PU	40-pin PDIP
P89C51RB2FP	AT89C51RB2-3CSUM	AT89LP51RB2-20PU	40-pin PDIP
P89C51RB2BA	AT89C51RB2-SLSUM	AT89LP51RB2-20JU	44-pin PLCC
P89C51RB2FA	AT89C51RB2-SLSUM	AT89LP51RB2-20JU	44-pin PLCC
P89C51RB2BB	AT89C51RB2-RLTUM	AT89LP51RB2-20AAU	44-pin VQFP
P89C51RB2FB	AT89C51RB2-RLTUM	AT89LP51RB2-20AAU	44-pin VQFP
P89V51RB2FN	AT89C51RB2-3CSUM	AT89LP51RB2-20PU	40-pin PDIP
P89V51RB2FA	AT89C51RB2-SLSUM	AT89LP51RB2-20JU	44-pin PLCC
P89V51RB2BBC	AT89C51RB2-RLTUM	AT89LP51RB2-20AAU	44-pin VQFP
P89CV51RB2FA	AT89C51RB2-SLSUM	AT89LP51RB2-20JU	44-pin PLCC
P89CV51RB2FBC	AT89C51RB2-RLTUM	AT89LP51RB2-20AAU	44-pin VQFP
P89LV51RB2BA	AT89C51RB2-SLSUM	AT89LP51RB2-20JU	44-pin PLCC
P89LV51RB2BBC	AT89C51RB2-RLTUM	AT89LP51RB2-20AAU	44-pin VQFP
P89C51RC2BP	AT89C51RC2-3CSUM	AT89LP51RC2-20PU	40-pin PDIP

P89C51RC2BN	AT89C51RC2-3CSUM	AT89LP51RC2-20PU	40-pin PDIP
AT89C51RC2FP	AT89C51RC2-3CSUM	AT89LP51RC2-20PU	40-pin PDIP
P89C51RC2BA	AT89C51RC2-SLSUM	AT89LP51RC2-20JU	44-pin PLCC
P89C51RC2FA	AT89C51RC2-SLSUM	AT89LP51RC2-20JU	44-pin PLCC
P89C51RC2BB	AT89C51RC2-RLTUM	AT89LP51RC2-20AAU	44-pin VQFP
P89C51RC2FB	AT89C51RC2-RLTUM	AT89LP51RC2-20AAU	44-pin VQFP
P89V51RC2FN	AT89C51RC2-3CSUM	AT89LP51RC2-20PU	40-pin PDIP
P89V51RC2FA	AT89C51RC2-SLSUM	AT89LP51RC2-20JU	44-pin PLCC
P89V51RC2FBC	AT89C51RC2-RLTUM	AT89LP51RC2-20AAU	44-pin VQFP
P89CV51RC2FA	AT89C51RC2-SLSUM	AT89LP51RC2-20JU	44-pin PLCC
P89CV51RC2FBC	AT89C51RC2-RLTUM	AT89LP51RC2-20AAU	44-pin VQFP
P89LV51RC2BN	AT89C51RC2-3CSUM	AT89LP51RC2-20PU	40-pin PDIP
P89LV51RC2FA	AT89C51RC2-SLSUM	AT89LP51RC2-20JU	44-pin PLCC
P89LV51RC2FBC	AT89C51RC2-RLTUM	AT89LP51RC2-20AAU	44-pin VQFP
P89C51RD2BP	N/A	AT89LP51RD2-20PU	40-pin PDIP
P89C51RD2FP	N/A	AT89LP51RD2-20PU	40-pin PDIP
P89C51RD2BN	N/A	AT89LP51RD2-20PU	40-pin PDIP
P89C51RD2BA	AT89C51RD2-SLSUM	AT89LP51RD2-20JU	44-pin PLCC
P89C51RD2FA	AT89C51RD2-SLSUM	AT89LP51RD2-20JU	44-pin PLCC
P89C51RD2BB	AT89C51RD2-RLTUM	AT89LP51RD2-20AAU	44-pin VQFP
P89C51RD2FB	AT89C51RD2-RLTUM	AT89LP51RD2-20AAU	44-pin VQFP
P89C51RD2BBD	AT89C51RD2-RLTUM	AT89LP51RD2-20AAU	44-pin VQFP
P89C51RD+IA	AT89C51RD2-SLSUM	AT89LP51RD2-20JU	44-pin PLCC
P89C51RD+JA	AT89C51RD2-SLSUM	AT89LP51RD2-20JU	44-pin PLCC
P89C51RD+IB	AT89C51RD2-RLTUM	AT89LP51RD2-20AAU	44-pin VQFP
P89C51RD+JB	AT89C51RD2-RLTUM	AT89LP51RD2-20AAU	44-pin VQFP
P89V51RD2BN	N/A	AT89LP51RD2-20PU	40-pin PDIP
P89V51RD2FN	N/A	AT89LP51RD2-20PU	40-pin PDIP
P89V51RD2FA	AT89C51RD2-SLSUM	AT89LP51RD2-20JU	44-pin PLCC
P89V51RD2FBC	AT89C51RD2-RLTUM	AT89LP51RD2-20AAU	44-pin VQFP

P89LV51RD2BA	AT89C51RD2-SLSUM	AT89LP51RD2-20JU	44-pin PLCC
P89LV51RD2FA	AT89C51RD2-SLSUM	AT89LP51RD2-20JU	44-pin PLCC
P89LV51RD2BBC	AT89C51RD2-RLTUM	AT89LP51RD2-20AAU	44-pin VQFP
P89V660FA (2 TWI)	AT89C51IC2-SLSUM (1 TWI)	AT89LP51IC2-20JU (1TWI)	44-pin PLCC
P89V660FBC (2 TWI)	AT89C51IC2-RLTUM (1 TWI)	AT89LP51IC2-20AAU (1TWI)	44-pin VQFP
P89V662FA (2 TWI)	AT89C51IC2-SLSUM (1 TWI)	AT89LP51IC2-20JU (1TWI)	44-pin PLCC
P89V662FBC (2 TWI)	AT89C51IC2-RLTUM (1 TWI)	AT89LP51IC2-20AAU (1TWI)	44-pin VQFP
P89V664FA (2 TWI)	AT89C51ID2-SLSUM (1 TWI)	AT89LP51ID2-20JU (1TWI)	44-pin PLCC
P89V664FBC (2 TWI)	AT89C51ID2-RLTUM (1 TWI)	AT89LP51ID2-20AAU (1TWI)	44-pin VQFP