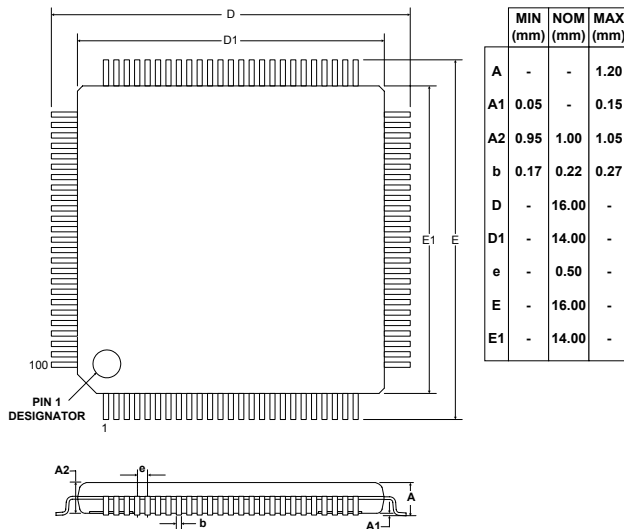


Selected Electrical Specifications

($T_A = -40$ to $+85$ °C, $V_{DD} = 3.0$ V unless otherwise specified)

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
GLOBAL CHARACTERISTICS					
Supply Voltage		3.0	—	3.6	V
Supply Current (CPU active)	Clock = 100 MHz	—	50	—	mA
	Clock = 1 MHz	—	0.6	—	mA
	Clock = 32 kHz	—	16	—	μA
Supply Current (shutdown)	Oscillator off; V_{DD} Monitor Enabled	—	10	—	μA
	Oscillator off; V_{DD} Monitor Disabled	—	0.4	—	μA
Clock Frequency Range		DC	—	100	MHz
INTERNAL CLOCKS					
Oscillator Frequency		24.0	24.5	25.0	MHz
PLL Frequency		—	—	100	MHz
A/D CONVERTER					
Resolution			10		bits
Integral Nonlinearity		—	—	±1	LSB
Differential Nonlinearity	Guaranteed Monotonic	—	—	±1	LSB
Signal-to-Noise Plus Distortion		59	—	—	dB
Throughput Rate		—	—	100	ksps

Package Information



C8051F120DK Development Kit

