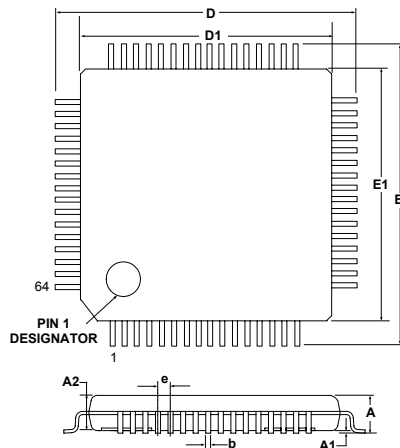


Selected Electrical Specifications

($T_A = -40$ to $+85$ °C, $V_{DD} = 2.8$ V unless otherwise specified)

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
GLOBAL CHARACTERISTICS					
Supply Voltage		2.8		3.6	V
Supply Current (CPU active)	Clock = 25 MHz Clock = 1 MHz Clock = 32 kHz		12.5 0.5 20		mA mA μA
Supply Current (shutdown)	Oscillator not running		10		μA
Clock Frequency Range		DC		25	MHz
A/D CONVERTER					
Resolution			10		bits
Integral Nonlinearity			±½	±1	LSB
Differential Nonlinearity	Guaranteed Monotonic		±½	±1	LSB
Signal-to-Noise Plus Distortion		59	61		dB
Throughput Rate				100	ksps
Input Voltage Range		0		V_{REF}	V
COMPARATORS					
Supply Current	(each Comparator)		1.3		μA
Response Time	$ (CP+) - (CP-) = 100$ mV		4		μs

Package Information



	MIN (mm)	NOM (mm)	MAX (mm)
A	-	-	1.20
A1	0.05	-	0.15
A2	0.95	-	1.05
b	0.17	0.22	0.27
D	-	12.00	-
D1	-	10.00	-
e	-	0.50	-
E	-	12.00	-
E1	-	10.00	-

C8051F005DK Development Kit

