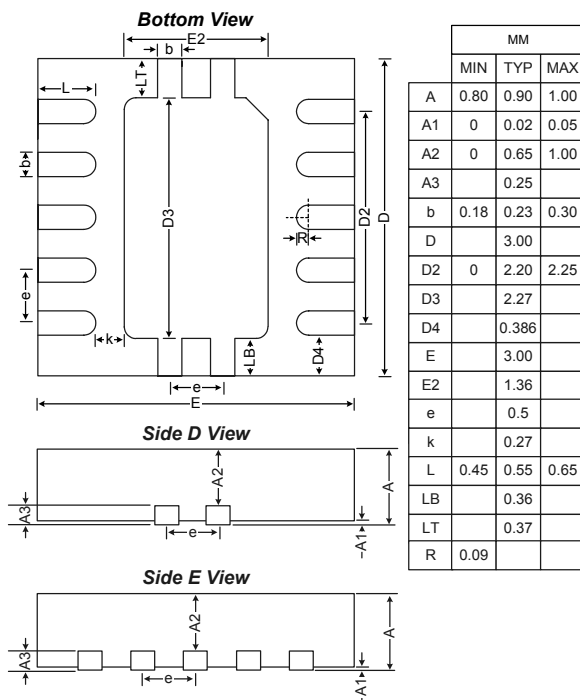


Selected Electrical Specifications

($T_A = -40$ to $+85$ °C, $V_{DD} = 2.7$ V unless otherwise specified)

PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
GLOBAL CHARACTERISTICS					
Supply Voltage		2.7		3.6	V
Supply Current with CPU active	Clock = 25 MHz		5.8		mA
	Clock = 1 MHz		0.34		mA
	Clock = 32 kHz; V_{DD} Monitor Disabled		11		μ A
Supply Current (shutdown)	Oscillator off; V_{DD} Monitor Enabled		10		μ A
	Oscillator off; V_{DD} Monitor Disabled		<0.1		μ A
Clock Frequency Range		DC		25	MHz
INTERNAL OSCILLATOR					
Frequency		15.0	20.0	25.0	MHz
COMPARATOR					
Response Time Mode0	(CP+) – (CP-) = 100 mV		0.1		μ s
Current Consumption Mode0			7.6		μ A
Response Time Mode1	(CP+) – (CP-) = 100 mV		0.18		μ s
Current Consumption Mode1			3.2		μ A
Response Time Mode2	(CP+) – (CP-) = 100 mV		0.32		μ s
Current Consumption Mode2			1.3		μ A
Response Time Mode3	(CP+) – (CP-) = 100 mV		1		μ s
Current Consumption Mode3			0.4		μ A

Package Information



C8051F300DK Development Kit

