

Absolute Maximum Ratings

Parameter	Value	Units
Storage Temperature	-65°C to + 150°C	Degrees C
Floor Life (Out of Bag) at Factory Ambient (30°C/60% Relative Humidity)	192 Hours (Level 3 Compliant) **Note 2	
Ambient Temperature (Power Applied)	0°C to + 70°C	Degrees C
M.T.B.F. (at 35°C)	247484 Hours ≈ 28 Years	
VCC Supply Voltage	-0.5 to +6.00	V
D.C. Input Voltage - USBDP and USBDM	-0.5 to +3.8	V
D.C. Input Voltage - High Impedance Bidirectionals	-0.5 to +(Vcc +0.5)	V
D.C. Input Voltage - All other Inputs	-0.5 to +(Vcc +0.5)	V
DC Output Current – Outputs	24	mA
DC Output Current – Low Impedance Bidirectionals	24	mA
Power Dissipation (VCC = 5.25V)	500	mW
Electrostatic Discharge Voltage (Human Body Model) (I < 1uA)	+/- 3000	V
Latch Up Current (Vi = +/- 10V maximum, for 10 ms)	+/-200	mA

UART IO Pin Characteristics (VCCIO = 5.0V)

Parameter	Description	Min	Typ	Max	Units	Conditions
Voh	Output Voltage High	3.2	4.1	4.9	V	I source = 2mA
Vol	Output Voltage Low	0.3	0.4	0.6	V	I sink = 2mA
Vin	Input Switching Threshold	1.3	1.6	1.9	V	**Note 4
VHys	Input Switching Hysteresis	50	55	60	mV	