4.7

DC Performance Specifications

Table 4-15. VMEbus Signals (A[7:0], D[7:0])

Parameter	Description	Test Conditions		Comm.	Industrial	Military	Units
V_{IH}	Minimum High-Level Input Voltage			2.0	2.0	2.0	V
V_{IL}	Maximum Low-Level Input Voltage			0.8	0.8	0.8	V
V_{OH}	Minimum High-Level Output Voltage	V_{CC} = Min., I_{OH} = –3 mA		2.4	2.4	2.4	V
V_{OL}	Maximum Low-Level Output Voltage	V_{CC} = Min., I_{OL} = 48 mA		0.6	0.6	0.6	V
I_L	Maximum Input Leakage Current	V_{CC} = Max., V_{IN} = 0.6–2.4		±5	±5	±5	µA
V_{IK}	Input Clamp Voltage	V_{CC} = Min.	I_{IN} = –18 mA	–1.2	–1.2	–1.2	V
V_{IK}	Input Clamp Voltage	V_{CC} = Min.	I_{IN} = 18 mA	V_{CC}+1.2	V_{CC}+1.2	V_{CC}+1.2	V
I_{OZ}	Maximum Output Leakage Current	V_{CC} = Max. GND ≤ V_{OUT} ≤ V_{CC} All Outputs Disabled		±10	±10	±10	µA

Table 4-16. Non-VMEbus Signals

Parameter	Description	Test Conditions		Comm.	Industrial	Military	Units
V_{IH}	Minimum High-Level Input Voltage			2.0	2.0	2.0	V
V_{IL}	Maximum Low-Level Input Voltage			0.8	0.8	0.8	V
V_{OH}	Minimum High-Level Output Voltage	V_{CC} = Min., I_{OH} = –8 mA		2.4	2.4	2.4	V
V_{OL}	Maximum Low-Level Output Voltage	V_{CC} = Min., I_{OL} = 8 mA		0.6	0.6	0.6	V
I_L	Maximum Input Leakage Current	V_{CC} = Max., V_{IN} = 0.00 – V_{CC}		±5	±5	±5	µA
V_{IK}	Input Clamp Voltage	V_{CC} = Min.	I_{IN} = –18 mA	–1.2	–1.2	–1.2	V
V_{IK}	Input Clamp Voltage	V_{CC} = Min.	I_{IN} = 18 mA	V_{CC}+1.2	V_{CC}+1.2	V_{CC}+1.2	V
I_{OZ}	Maximum Output Leakage Current	V_{CC} = Max. GND ≤ V_{OUT} ≤ V_{CC} All Outputs Disabled		±5	±5	±5	µA
I_{CC}	V_{CC} Maximum Operating Supply Current	V_{CC} = Max., All Outputs Disabled		25	25	25	mA

Table 4-17. Operating Current

Parameters	Description	Test Conditions	Max.	Units
I_{DD}	Maximum Operating Current	No external DC load	50	mA