

ADXL345

REGISTER MAP

Table 16. Register Map

Address		Name	Type	Reset Value	Description
Hex	Dec				
0x00	0	DEVID	R	11100101	Device ID.
0x01 to 0x01C	1 to 28	Reserved			Reserved. Do not access.
0x1D	29	THRESH_TAP	R/W	00000000	Tap threshold.
0x1E	30	OFSX	R/W	00000000	X-axis offset.
0x1F	31	OFSY	R/W	00000000	Y-axis offset.
0x20	32	OFSZ	R/W	00000000	Z-axis offset.
0x21	33	DUR	R/W	00000000	Tap duration.
0x22	34	Latent	R/W	00000000	Tap latency.
0x23	35	Window	R/W	00000000	Tap window.
0x24	36	THRESH_ACT	R/W	00000000	Activity threshold.
0x25	37	THRESH_INACT	R/W	00000000	Inactivity threshold.
0x26	38	TIME_INACT	R/W	00000000	Inactivity time.
0x27	39	ACT_INACT_CTL	R/W	00000000	Axis enable control for activity and inactivity detection.
0x28	40	THRESH_FF	R/W	00000000	Free-fall threshold.
0x29	41	TIME_FF	R/W	00000000	Free-fall time.
0x2A	42	TAP_AXES	R/W	00000000	Axis control for tap/double tap.
0x2B	43	ACT_TAP_STATUS	R	00000000	Source of tap/double tap.
0x2C	44	BW_RATE	R/W	00001010	Data rate and power mode control.
0x2D	45	POWER_CTL	R/W	00000000	Power-saving features control.
0x2E	46	INT_ENABLE	R/W	00000000	Interrupt enable control.
0x2F	47	INT_MAP	R/W	00000000	Interrupt mapping control.
0x30	48	INT_SOURCE	R	00000010	Source of interrupts.
0x31	49	DATA_FORMAT	R/W	00000000	Data format control.
0x32	50	DATA0	R	00000000	X-Axis Data 0.
0x33	51	DATA1	R	00000000	X-Axis Data 1.
0x34	52	DATA0	R	00000000	Y-Axis Data 0.
0x35	53	DATA1	R	00000000	Y-Axis Data 1.
0x36	54	DATA0	R	00000000	Z-Axis Data 0.
0x37	55	DATA1	R	00000000	Z-Axis Data 1.
0x38	56	FIFO_CTL	R/W	00000000	FIFO control.
0x39	57	FIFO_STATUS	R	00000000	FIFO status.