

### J5

GND	50	49	DAC 4
GND	48	47	DAC 3
GND	46	45	DAC 2
GND	44	43	DAC 1
GND	42	41	-5V (Neg. 5V)
ESTOP 1	40	39	ADC 4
GND	38	37	ADC 3
GND	36	35	ADC 2
GND	34	33	ADC 1
GND	32	31	+5V
ENC 4X-	30	29	ENC 4X+
ENC 4B-	28	27	ENC 4B+
ENC 4A-	26	25	ENC 4A+
GND	24	23	+5V
ENC 3X-	22	21	ENC 3X+
ENC 3B-	20	19	ENC 3B+
ENC 3A-	18	17	ENC 3A+
GND	16	15	+5V
ENC 2X-	14	13	ENC 2X+
ENC 2B-	12	11	ENC 2B+
ENC 2A-	10	9	ENC 2A+
GND	8	7	+5V
ENC 1X-	6	5	ENC 1X+
ENC 1B-	4	3	ENC 1B+
ENC 1A-	2	1	ENC 1A+

### J8

GND	50	49	DAC 8
GND	48	47	DAC 7
GND	46	45	DAC 6
GND	44	43	DAC 5
GND	42	41	-5V (Neg. 5V)
ESTOP 2	40	39	ADC 8
GND	38	37	ADC 7
GND	36	35	ADC 6
GND	34	33	ADC 5
GND	32	31	+5V
ENC 8X-	30	29	ENC 8X+
ENC 8B-	28	27	ENC 8B+
ENC 8A-	26	25	ENC 8A+
GND	24	23	+5V
ENC 7X-	22	21	ENC 7X+
ENC 7B-	20	19	ENC 7B+
ENC 7A-	18	17	ENC 7A+
GND	16	15	+5V
ENC 6X-	14	13	ENC 6X+
ENC 6B-	12	11	ENC 6B+
ENC 6A-	10	9	ENC 6A+
GND	8	7	+5V
ENC 5X-	6	5	ENC 5X+
ENC 5B-	4	3	ENC 5B+
ENC 5A-	2	1	ENC 5A+

## VITAL SYSTEMS INC

### PCI MOTENC-100 REV-A

#### PIN ASSIGNMENTS

- \* 2A Current Limit on +5V pins (Per Board)
- \* 200mA Current Limit on -5V pins (Per Board)

On the Web @ [www.VSi99.com](http://www.VSi99.com)

### J6

GND	50	49	+5V
GND	48	47	OUTPUT 8
GND	46	45	OUTPUT 7
GND	44	43	OUTPUT 6
GND	42	41	OUTPUT 5
GND	40	39	OUTPUT 4
GND	38	37	OUTPUT 3
GND	36	35	OUTPUT 2
GND	34	33	OUTPUT 1
GND	32	31	INPUT 16
GND	30	29	INPUT 15
GND	28	27	INPUT 14
GND	26	25	INPUT 13
GND	24	23	INPUT 12
GND	22	21	INPUT 11
GND	20	19	INPUT 10
GND	18	17	INPUT 9
GND	16	15	INPUT 8
GND	14	13	INPUT 7
GND	12	11	INPUT 6
GND	10	9	INPUT 5
GND	8	7	INPUT 4
GND	6	5	INPUT 3
GND	4	3	INPUT 2
GND	2	1	INPUT 1

### J7

GND	50	49	+5V
GND	48	47	OUTPUT 16
GND	46	45	OUTPUT 15
GND	44	43	OUTPUT 14
GND	42	41	OUTPUT 13
GND	40	39	OUTPUT 12
GND	38	37	OUTPUT 11
GND	36	35	OUTPUT 10
GND	34	33	OUTPUT 9
GND	32	31	INPUT 32
GND	30	29	INPUT 31
GND	28	27	INPUT 30
GND	26	25	INPUT 29
GND	24	23	INPUT 28
GND	22	21	INPUT 27
GND	20	19	INPUT 26
GND	18	17	INPUT 25
GND	16	15	INPUT 24
GND	14	13	INPUT 23
GND	12	11	INPUT 22
GND	10	9	INPUT 21
GND	8	7	INPUT 20
GND	6	5	INPUT 19
GND	4	3	INPUT 18
GND	2	1	INPUT 17

### J9

GND	50	49	+5V
GND	48	47	OUTPUT 24
GND	46	45	OUTPUT 23
GND	44	43	OUTPUT 22
GND	42	41	OUTPUT 21
GND	40	39	OUTPUT 20
GND	38	37	OUTPUT 19
GND	36	35	OUTPUT 18
GND	34	33	OUTPUT 17
GND	32	31	INPUT 48
GND	30	29	INPUT 47
GND	28	27	INPUT 46
GND	26	25	INPUT 45
GND	24	23	INPUT 44
GND	22	21	INPUT 43
GND	20	19	INPUT 42
GND	18	17	INPUT 41
GND	16	15	INPUT 40
GND	14	13	INPUT 39
GND	12	11	INPUT 38
GND	10	9	INPUT 37
GND	8	7	INPUT 36
GND	6	5	INPUT 35
GND	4	3	INPUT 34
GND	2	1	INPUT 33

### J10

GND	50	49	+5V
GND	48	47	OUTPUT 32
GND	46	45	OUTPUT 31
GND	44	43	OUTPUT 30
GND	42	41	OUTPUT 29
GND	40	39	OUTPUT 28
GND	38	37	OUTPUT 27
GND	36	35	OUTPUT 26
GND	34	33	OUTPUT 25
GND	32	31	INPUT 64
GND	30	29	INPUT 63
GND	28	27	INPUT 62
GND	26	25	INPUT 61
GND	24	23	INPUT 60
GND	22	21	INPUT 59
GND	20	19	INPUT 58
GND	18	17	INPUT 57
GND	16	15	INPUT 56
GND	14	13	INPUT 55
GND	12	11	INPUT 54
GND	10	9	INPUT 53
GND	8	7	INPUT 52
GND	6	5	INPUT 51
GND	4	3	INPUT 50
GND	2	1	INPUT 49