



MotionCreator™



ISaGRAF C-function Library

Windows DLL



LabVIEW MOTION VIs

## Specifications

### Motion

- Number of controllable axes: 4
- Max. number of cards in one system: 12
- 0.05 pps-2.4 Mpps programmable DIR/OUT, CW/CCW pulse command output
- 28-bit Up/Down counter for reading encoder
- Position range: 0-268, 435, 455 pulses (28-bit)

### Motion Interface I/O Signals

- All I/O pins are 2500 VRMS optically isolated
- Incremental encoder signals input pins: DIR/OUT, EA/EB
- Encoder index signal input: EZ.
- Mechanical Limit/Switch signal input pins: ±EL, ±SD and ORG
- Servomotor Interface I/O pins: INP, ALM, ERC
- General DO pin: SVON
- General DI pin: RDY
- Pulser signal input: PA and PB
- Simultaneous signal I/O pins: STA and STP

### General Specifications

- Power requirement
  - Slot power supply (input): +5 V ±5%, 900 mA max.
  - External power supply (input): +24 VDC ± 5%, 500 mA max.
  - External power supply (output): +5 V ± 5%, 100 mA max.
- Operating temperature: 0 to 50°C

## Termination Board

### DIN-100M15

Termination Board for General Purpose with 1.5M Cable



DIN-100M15

### DIN-814M

Termination Board for Mitsubishi Servo Driver with 1M Cable



DIN-814M

## PCI-8134 Pin Assignment of the 100-pin SCSI-type Connector

EX+5V	1	51	EX+5V
EXGND	2	52	EXGND
OUT1+	3	53	OUT3+
OUT1-	4	54	OUT3-
DIR1+	5	55	DIR3+
DIR1-	6	56	DIR3-
SVON1	7	57	SVON3
ERC1	8	58	ERC3
ALM1	9	59	ALM3
INP1	10	60	INP3
RDY1	11	61	RDY3
EXGND	12	62	EXGND
EA1+	13	63	EA3+
EA1-	14	64	EA3-
EB1+	15	65	EB3+
EB1-	16	66	EB3-
EZ1+	17	67	EZ3+
EZ1-	18	68	EZ3-
EX+5V	19	69	EX+5V
EXGND	20	70	EXGND
OUT2+	21	71	OUT4+
OUT2-	22	72	OUT4-
DIR2+	23	73	DIR4+
DIR2-	24	74	DIR4-
SVON2	25	75	SVON4
ERC2	26	76	ERC4
ALM2	27	77	ALM4
INP2	28	78	INP4
RDY2	29	79	RDY4
EXGND	30	80	EXGND
EA2+	31	81	EA4+
EA2-	32	82	EA4-
EB2+	33	83	EB4+
EB2-	34	84	EB4-
EZ2+	35	85	EZ4+
EZ2-	36	86	EZ4-
+EL1	37	87	EL3+
+EL1	38	88	EL3-
+SD1	39	89	SD3+
-SD1	40	90	SD3-
ORG1	41	91	ORG3
EXGND	42	92	EXGND
+EL2	43	93	EL4+
+EL2	44	94	EL4-
+SD2	45	95	SD4+
-SD2	46	96	SD4-
ORG2	47	97	ORG4
EXGND	48	98	EXGND
EXGND	49	99	EX+24V
EXGND	50	100	EX+24V

## Ordering Information

- PCI-8134  
4-Axis Motion Control Card

Note: Products are shipped with software development kits for DOS, Windows 2000/NT/XP/9x, and MotionCreator.

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