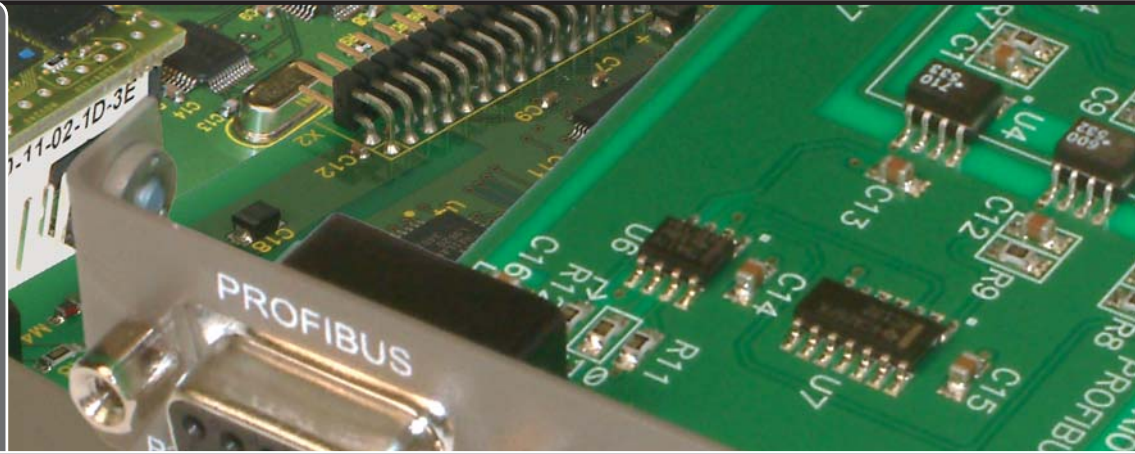


Daughter boards may be added to most of the *Motion Coordinators* providing the interface to many types of servo or stepper and digitally controlled axes, plus a number of advanced communications options such as Ethernet and Profibus.



AXIS DAUGHTER BOARDS

ENHANCED SERVO ENCODER (P201)

Description	Controls 1 servo axis with analogue velocity demand and incremental position feedback device with 2 high speed registration inputs. Can also generate A/B quadrature output (instead of encoder input).
Feedback Device edge rate	5V Line Driver Encoder - 6Mhz max
Demand Signal	+/-10V 16bit resolution analogue output or 2Mhz 90deg A/B quadrature output
Registration	2x 24V inputs @ 1us accuracy
EMC Compliance	BS EN6100-6-2 (2001) Industrial noise immunity BS EN6100-6-4 (1994) Industrial Noise emissions



SSI ENCODER (P270)

Description	Controls 1 servo axis with analogue velocity demand and SSI position feedback device. Includes 1 high speed registration input.
Feedback Device	SSI standard specification encoder - Configurable to a maximum 24bits
Demand Signal	+/-10V 12bit resolution analogue output
Registration	n/a
EMC Compliance	BS EN51000-6-22 : 1999 generic noise immunity standard for industrial environment BS EN61000-6-4 : 2001 generic emission standard for light industrial environment



STEPPER DAUGHTER (P230)

Description	Controls 1 stepper (high speed pulse train) axis with open collector style outputs.
Feedback Device	n/a
Demand Signal	Max output frequency 250kHz pulse and direction. Open collector type
Registration	n/a
EMC Compliance	BS EN50082-2 : 1995 generic noise immunity standard for industrial environment BS EN55022 : 1995 generic emission standard for light industrial environment



STEPPER ENCODER (P240)

Description	Controls 1 stepper (high speed pulse train) axis with standard incremental feedback device for position verification only. Includes high speed registration input.
Feedback Device	5V Line Driver Encoder - 1Mhz max edge rate
Demand Signal	Max output frequency 250kHz pulse and direction. Open collector type
Registration	1x 24V input @ 1us accuracy
EMC Compliance	BS EN50082-2 : 1995 generic noise immunity standard for industrial environment BS EN55022 : 1995 generic emission standard for light industrial environment



DIFFERENTIAL STEPPER (P280)

Part Number	P280
Description	Controls 1 stepper (high speed pulse train) axis with line driver outputs and additional high speed registration input (active on pulse train output).
Feedback Device	n/a
Demand Signal	Max output frequency 500kHz pulse and direction. Line driver type
Registration	1x 24V input @ 1us accuracy (captures outgoing pulses count)
EMC Compliance	BS EN50082-2 : 1995 generic noise immunity standard for industrial environment BS EN55022 : 1995 generic emission standard for light industrial environment



REFERENCE ENCODER (P220)

Part Number	P220
Description	Input for 1 standard incremental feedback device with high speed registration input
Feedback Device	5V Line Driver Encoder - 1Mhz max edge rate
Demand Signal	n/a
Registration	1 x 24V input @ 1us accuracy
EMC Compliance	BS EN61000-6-2 : 1999 generic noise immunity standard for industrial environment BS EN61000-6-4 : 1995 generic emission standard for light industrial environment



PRECISION ANALOGUE INPUT (P225)

Part Number P225
 Description Input for 8 analogue position control devices
 Feedback Device 8 x 0-10V 16bit analogue inputs
 Demand Signal n/a
 Registration n/a
 EMC Compliance BS EN61000-6-2 : 1999 generic noise immunity standard for industrial environment
 BS EN61000-6-4 : 1995 generic emission standard for light industrial environment



HARDWARE PSWITCH (P242)

Part Number P242
 Description Input for 1 standard incremental feedback device with 4 high speed (1us accuracy - open collector style) cam switch style outputs.
 Feedback Device 5V Line Driver Encoder - 1Mhz max edge rate
 Demand Signal n/a
 Registration n/a
 EMC Compliance BS EN50082-2 : 1995 generic noise immunity standard for industrial environment
 BS EN55022 : 1995 generic emission standard for light industrial environment



ANALOGUE OUTPUT (P260)

Part Number P280
 Description Output for 1 analogue output channel
 Feedback Device n/a
 Demand Signal +/-10V 12bit resolution analogue output
 Registration n/a
 EMC Compliance BS EN61000-6-2 : 1999 generic noise immunity standard for industrial environment
 BS EN61000-6-4 : 1995 generic emission standard for light industrial environment



Note: P301 (MC224 Axis Expander) accepts any axis daughter board, but NOT digital drive or fieldbus daughter boards.

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