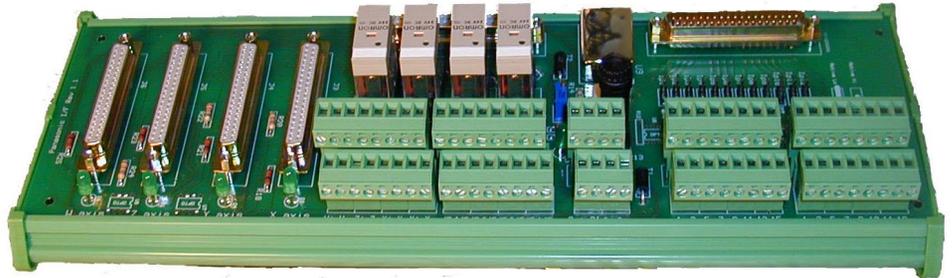


DRIVE INTERFACE BOARD



KEY FEATURES

- Din Rail Mountable
- 4 Omron SPCO 10A Relays
- Limit Switch Terminals
- 12 optically isolated input channels
- Screw terminals for 16 optically isolated output channels

Optional:

- Onboard 5V Supply
- Analogue Input

The Drive Interface board was designed to be used with the AMTECH AMT-PCI-MC4 servo control board. The Drive Interface board enables the user to interface between AMTECH's control cards with a wide range of Servo Drives easily and quickly.

The board provides easy connection of up to four drives through 37 way D type connectors. Amtech provide cables for ABB, Panasonic and Mitsubishi drives, others to follow. Also giving 4 outputs through 10 Amp single pole relays. Two part, screw terminals for digital inputs and outputs.

The product has been both designed and manufactured in the UK.

Applications

- Motion control and positioning
- System automation
- Process Control
- Robotics
- Automatic welding machine
- Profile cutting machines
- Woodwork routing machines
- Engraving machines
- Drilling machines
- Laser cutting machines
- Water jet cutting machines
- Glue laying machines
- Automatic stitching machines
- Tangential knife
- Glass cutting machines
- Lathes & Mills

Options

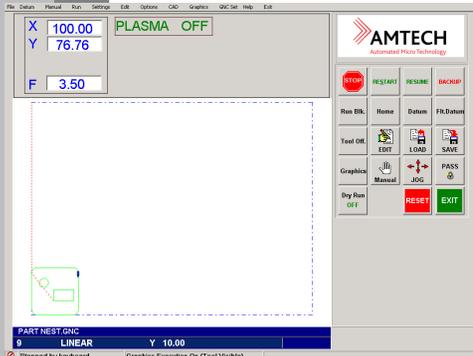
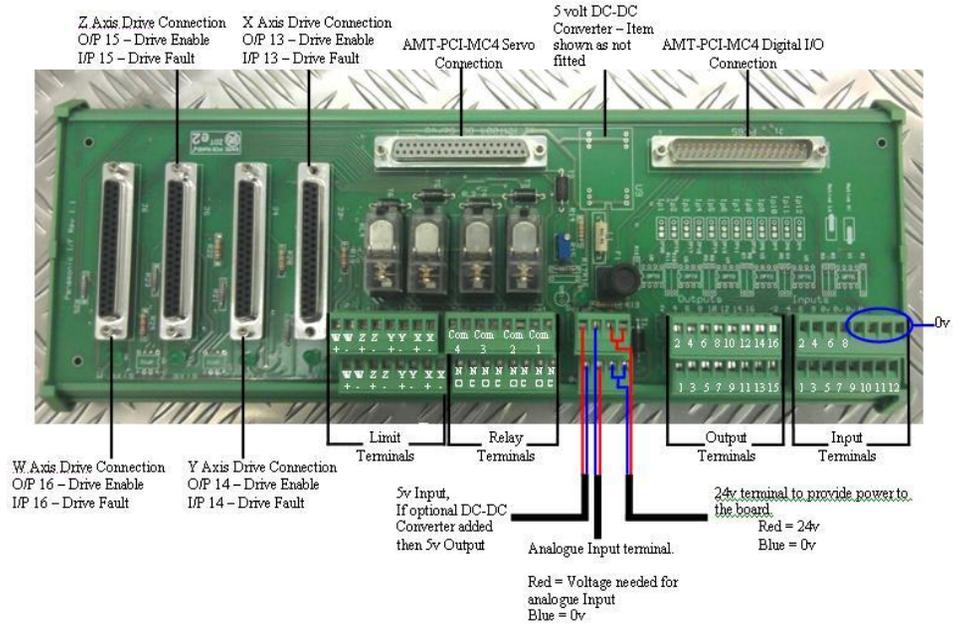
A/I

- Analogue Input circuit can be fitted

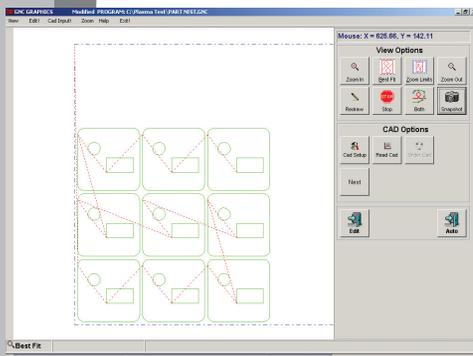
Onboard 5V Supply

- Optional DC-DC Converter can be fitted to allow the board to output 5V

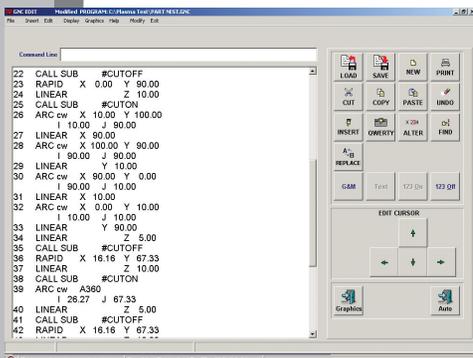
Wiring Diagram



GNC Execution Screen



GNC Graphics Screen



GNC Edit Screen

TECHNICAL SPECIFICATION

Outputs

Screw terminals for 16 optically isolated output channels
 4 Omron SPCO 10A Relays with separate wiring to 8x2 screw terminals. The last 4 outputs are used to drive axis enables on the drives.
 O/P 13 X Enable O/P 15 Z Enable
 O/P 14 Y Enable O/P 16 W Enable

Inputs

Screw terminals for 12 optically isolated input channels, with jumper settings for active high and active low inputs.
 Another 4 inputs are directly used for axis ready signals from the drives.
 I/P 13 X Ready I/P 15 Z Ready
 I/P 14 Y Ready I/P 16 W Ready

Power

Power input via screw terminal connectors 0V & +24VDC. F1 is a 2A fuse for the 24V supply, and D1 is the power LED for the 24V circuit

Optional 5V
 Power output via screw terminal connectors 0ve & +5VDC. D2 is the power LED for the 5V circuit.

Dimensions

341mm x 126mm

