



7177 FIELD BUS
GX16-5 7A
The 7177/7177D are daughtercard/breakout boards for use with MESA's 25 pin I/O FPGAs like the 5125 and 7192. The 7177 is designed for interfacing up to 6 Axis of analog servo motor drives and also provides #8 isolated I/O points for general purpose field I/O.
Six + -10V analog outputs and six encoder inputs (all with index) are provided for servo interfacing. Six floating drive enable outputs allow control of active high or active low drive enables. Encoder inputs can be individually set for differential or single ended mode. 48 points of isolated field I/O are provided for general control use including limit switch, control panel inputs, coolant enable and tool changer control outputs. Isolated I/O includes 32 sinking inputs and 16 sourcing (7177) or sinking (7177D) outputs. Inputs can sense 5V to 32V signals and the outputs can switch 5V through 28V signals. Maximum output load is 300 mA. Outputs are short circuit protected. Field I/O is powered by an isolated 10-32V field power source.

