

The 40633 is an expansion multiplexer/ amplifier board for use with 82X, 1800 series 818 families. Each 40633 multiplexes 16 differential analog input channels into one analog input of the DAS board. The high grade instrumentation provides software programmable gains of 0.5, 1, 5, 10, 50, 100, 500, and 1000.

Thermocouple measurement are handled easily with 40633. The board includes cold-junction sensing and compensation circuitry that provides a scaling of 24.4 mV/C. Biasing resistors are included for open thermocouple detection. The 40633 can be cascaded to a total of 128 channels of voltage measurements or 112 channel of thermocouple measurement.

SPECIFICATIONS:

- No. of Potentiometer : 2 nos.
- Accepts thermocouple type : J, K, T, E, S, R, B
- Cold-junction compensation: +24.4 mV/°C(1°C/bit), 0.0V at 0.0°C
- Over voltage protection : ± 30V Continuous.
- Common mode voltage : ±10V max
- Analog output voltage : ±10V
- Dimension : 204mm x 114mm



Gain	Common Mode Rejection	Nonlinearity % of FSR	Setting Time
0.5	99dB	±0.0004	23µs
1	99dB	±0.0004	23µs
5	114dB	±0.0004	28µs
10	114dB	±0.0004	28µs
50	123dB	±0.0004	140µs
100	123dB	±0.0004	140µs
500	123dB	±0.0008	1300µs
1000	123dB	±0.0008	1300µs

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in

