Technical Specifications:

Function Generator

Crystal Frequency	:	4.096 MHz
Analog Signals	:	4 Nos
Digital Signals	:	16 Nos

On Board Analog

Signals	:	250 Hz, 500 Hz, 1 KHz, 2KHz (Adjustable Amplitude)

On Board Digital

Outputs	:	16 Square wave frequencies 1 KHz - 2 MHz) Clock Generator 8 bit data
Modulation	:	Pulse Position Modulation
Multiplexing	:	Time Division Multiplexing (4 Channel Analog and 16 Channel Digital)
Coding	:	Manchester Coding and Decoding
Interconnections	:	4mm sockets
Power Supply	:	230 V, 10%, at 50 Hz
Power	:	2 VA approximately
Weight	:	3.600 Kg approx.
Dimensions (mm)	:	W 415 × D315 × H 165

28512 are compact and user friendly learning platform learning material which covers basic theory, step by step procedure to conduct the experiment and other useful information.
Multiplexer-Demultiplexer and Encoder-Decoder 28512 provides all necessary inputs and connections for students to study Analog Time Division Multiplexing / Demultiplexing, Digital Time Division Multiplexing/Demultiplexing of signals, Pulse Position Modulation and Manchester Encoding / Decoding techniques 28512 can be used independently.

Features:
1. Functional blocks indicated on board mimic.
2. Crystal Controlled clock.
3. On board sine wave and Digital Signal Generator.
4. 4-Channel Time Division Multiplexing / Demultiplexing. (Analog)
5. 16-Channel Time Division Multiplexing / Demultiplexing (Digital).
6. Manchester Coding and Decoding.
7. Pulse Position Modulation

Objects:
1. Study of 4 channel analog time division multiplex signal.
2. Study of 4 channel analog time division demultiplex signal.
3. Study of 16-channel analog time division multiplexing/ demultiplexing.
4. Study of pulse position modulation.
5. Study of Manchester coded/decoded output.

List of Accessories:
1. Patch cord 2mm length 50cm Red........09
2. Patch cord 2mm length 50cmBlack..…...09

Note: Specifications are subject to change.