

■ FEATURES

- CMOS technology
- Continuous brightness control
- Serial data input
- No LOAD signal required
- Optional external data enable and reset
- Wide power supply operation (3.5V to 10V)
- 34 or 35 outputs, 20mA sink capability
- Alphanumeric capability

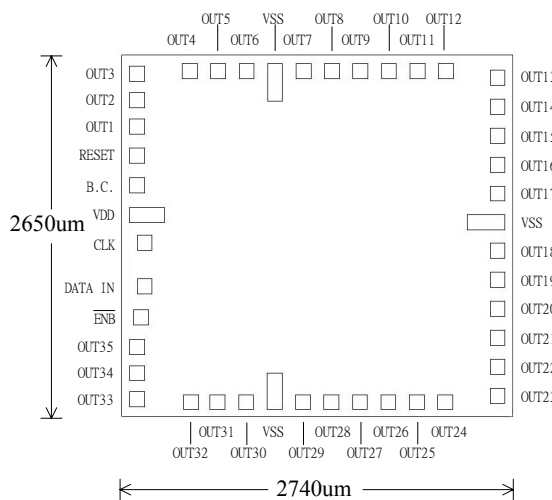
■ APPLICATIONS

- Products with alphanumeric LED displays such as digital clock, counter, radio, multimeter, etc.
- Industrial control indicator or instrumentation readout
- Relay driver

■ GENERAL DESCRIPTIONS

The PS035 is designed to drive either 4 or 5-digit, common anode alphanumeric LED displays with the added benefit of requiring minimal interface with the display or data source. Data is transferred serially via 2 signals: clock and serial data. Data transfer without the added inconvenience of external LOAD and RESET signal is accomplished by using a format of a leading "1" followed by the allowed 35 data bits. Display brightness is determined by control of the output current for LED displays. Typically, the output current is 36 times greater than current flowing into the B.C. terminal.

■ DIE SIZE AND PAD ASSIGNMENT



PAD NAME	DESCRIPTION
VDD	Supply voltage
VSS	System ground
RESET	To reset all the internal registers
B.C.	Brightness-control current input
CLK	Clock input to transfer serial data
DATA IN	Serial data input
ENB	To enable or disable serial data input
OUTn	Constant sinking current output