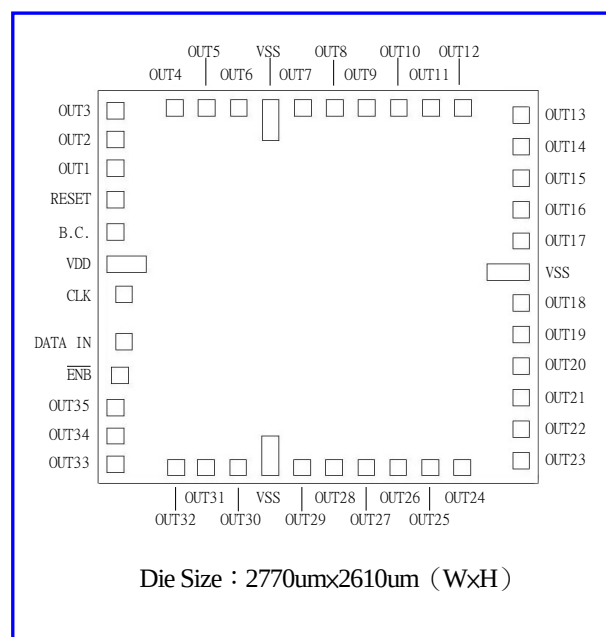


■ FEATURES

- High voltage CMOS technology
- Continuous brightness control
- Serial data input
- No LOAD signal required
- Optional external data enable and reset
- Wide power supply range (3.5V to 12V)
- 34 or 35 outputs, 20mA sink capability
- Alphanumeric capability
- Package type: Dice Tray

■ APPLICATIONS

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



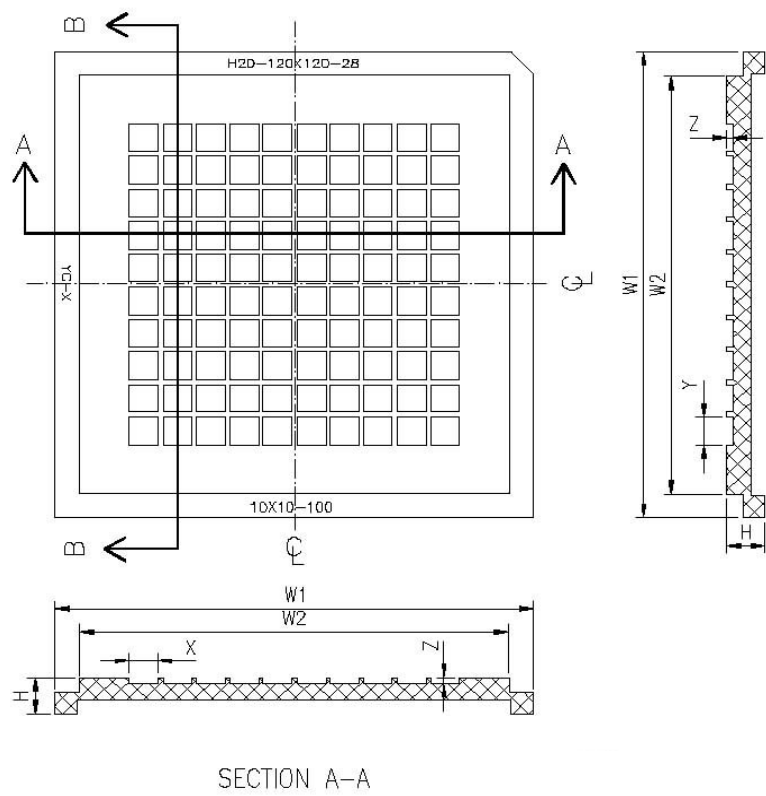
■ GENERAL DESCRIPTIONS

The DI-045 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.

■ PAD DESCRIPTION

PAD NAME	DESCRIPTION	PAD NAME	DESCRIPTION
VDD	Supply voltage	CLK	CLOCK signal input
VSS	Power ground	DATA IN	Serial data input
BC	Brightness control	$\overline{\text{ENB}}$	Data-input enable
RESET	Forced RESET	OUT1~35	Output terminals 1~35

PACKAGE INFORMATION



	Spec
W1	50.70±0.2 (1996)
W2	45.50±0.2 (1791)
H	4.05±0.2 (160)
X	3.05 ^{+0.10} _{-0.00} (120)
Y	3.05 ^{+0.10} _{-0.00} (120)
Z	0.71 ^{+0.10} _{-0.00} (28)
N	100

TOLERANCES		
X, ±	0.3	.XX ± 0.1
X, ±	0.2	ANGLES 2°
		mm SCALE