

## LCD Driver for 280 Display Units BL55080

(SEG35\*COM8)

### General Description

The BL55080 is a peripheral device, which interfaces to almost any Liquid Crystal Display (LCD) having low multiplex rates. It generates the drive signals for any static or multiplexed LCD containing up to 8 back planes and up to 35 segments. The BL55080 is compatible with most microprocessors/micro controllers and communicates via a two-line bi-directional IIC -bus.

### Features

- LCD drive output: 8 Common output, 35 Segment output
- 35×8=280-bit RAM for display data storage
- 2 wire serial interface(IIC-bus)
- Integrated Oscillator circuit
- Integrated Buffer AMP for LCD driving, 1/4 Bias, 1/8 Duty
- No external components required
- Low power consumption
- Integrated Electrical volume register(EVR) function
- 2.5 to 5.5V power supply range
- 2.5 to 5.5V LCD drive power supply range
- Packages: TSSOP48, LQFP48, LQFP52

### Application

Telephone, Power meter, Toy, Portable equipment, Car audio...

### PIN Description

PIN No			PIN Name	Function
TSSOP48	LQFP52	LQFP48		
48	20	18	SDA	Serial data input
47	19	17	SCL	Serial data transfer clock
1	21	19	Vdd	Power supply
2	22	20	Vlcd	LCD drive power supply
3	23	21	Vss	GND
4-24 33-46	3-11 14-18 24-27 29-52	3-16 22-42	SEG0-34	Segment output
25-32	2,46-52	1-2 43-48	COM0-7	COM output
	1,12,13,28		NC	Not connected