

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