

Features

- * 4 digit (HH:MM) LCD display
- * 24 dot for second display
- * Hour:Minute display
- * Month Date weekday display
- * Alarm with Chime
- * Dual time display
- * 3 keys operation
- * Auto Chime (8am-11pm only)
- * 12/24Hour display
- * 1/2 bias 1/3 duty LCD format
- * Very low power consumption
- * 32768 Crystal oscillator
- * Single 1.5V operation.

General Description

The LS6042 is a 4 digit LCD watch I.C. with Hour:Minute display. It also has 24 dots for second animation. It support 12H/24 H display format and has a time alarm and hourly chime function. The dual time display is selected by bonding option. It has 3 keys operation : KMODE, KSET, KAUX. There are many bonding option which suits for different application.

Bonding Options

BSTYPE1	BSTYPE0	Description
VDD or floating	VDD or floating	Second display type 1
VDD or floating	GND	Second display type 2
GND	VDD or floating	Second display type 3

BMTYPE1	BMTYPE0	Description
VDD or floating	VDD or floating	Normal
VDD or floating	GND	Inverted
GND	XXX	Switch to inverted/non-inverted every minute

BDT	Description
VDD or floating	With Dual time
GND	Without Dual time

BRET1	BRET0	Description
VDD or floating	VDD or floating	Return to Clock mode after 3-4 second
VDD or floating	GND	Return to Clock mode except Date mode after 3-4 sec.
GND	XXX	Do not return to Clock mode

LSI
LS6042

Lcd Drawing

