

# Optical Storage (BD Recorder/Player and DVD Recorder/Player) System Solution

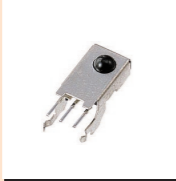
Dec. 16, 2010

## Input/Output (Including UI, Sensors)

For wireless operation of devices

### ■ IR detecting unit for remote control

- Operating voltage: 2.7 to 5.5 V



### ■ Holderless-type IR detecting unit for remote control

- Operating voltage: 2.7 to 5.5 V
- Holderless form enables board mounting suited to the design of various set devices using a single model



For transmission of optical digital signals

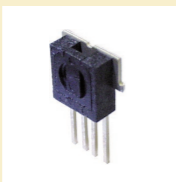
### ■ Fiber optic transmitter (optic fiber link)

- EIAJ RC-5702B-compliant square optical connector
- High-speed signal transfer type



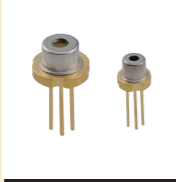
For DVD playback and recording

### ■ High-power red laser diode



For CD playback and recording

### ■ High-power infrared laser diode



For CD/DVD playback and recording

### ■ Hologram laser diode



For BD playback and recording

### ■ High-power blue-violet laser diode



## Display

For LCD backlight

### ■ LED driver

- A lineup of LED drivers necessary for backlights in LCDs ranging from small- to large-size



For operation button lighting

### ■ Surface-mount LED

- 3 228 size



For image display

### ■ Transmissive-type TFT LCD module

- These LCD modules are only made to order.

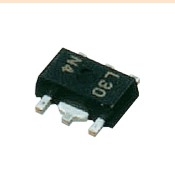


## Power Supply

For circuit voltage stabilization

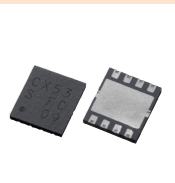
### ■ Low power-loss voltage regulator

- Compact
- Compatible with ceramic capacitors



### ■ CMOS chopper regulator (Bootstrap system)

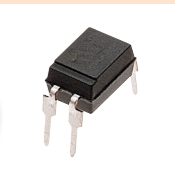
- High efficiency
- Chip employing CMOS process



For insulation of and transfer between high- and low-voltage sides of power supply

### ■ Photocoupler compliant with safety standards

Safety standard approved / compliant



For TV broadcast reception

- Combination front-end units for digital terrestrial / digital satellite broadcasting
- Combination front-end units for digital terrestrial / digital analog terrestrial / digital satellite broadcasting



### ■ One-seg tuner module

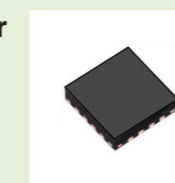


For wireless LAN

### ■ Wireless LAN / Bluetooth combo module



- 2.4 GHz band power amplifier
- 5 GHz band power amplifier
- 2.4 GHz / 5 GHz band power amplifier



## Mechanical Structure

For BD drive optical pickup position detection

### ■ Compact transmissive-type photointerrupter

- Compact, transmissive type
- Lineup of both board-insertion and surface-mount types

