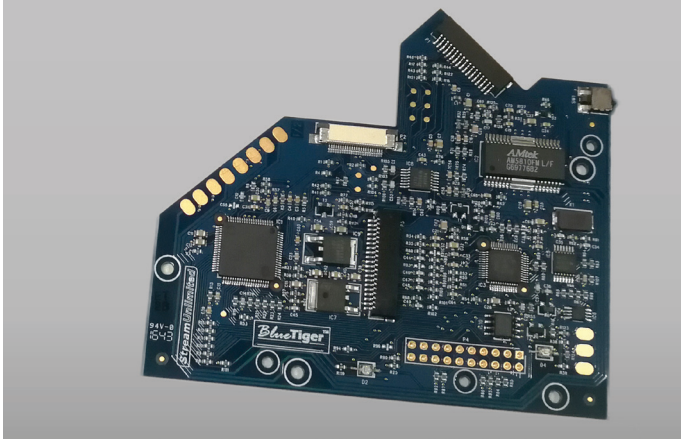


## CD-84

### High-end Servo/Decoder board



### Servoboard dedicated to top loading

Our latest development and addition to the BlueTiger platform, the **CD-84** was developed specifically for **top loading** in mind. It is therefore mounted on the **CD-Pro8/-S** by default.

It is a vast improvement over the **CD-80**, of which the design is based on, which includes the existing **CD-80** command set and new commands for new functions.

One of the new features is the added **EEPROM**, which lets customers read out several values like the **laser current** and **operating hours**, which offer a **great advantage** for testing and servicing.

If you are a **CD-80** customer and want the improved circuitry but keep the form-factor, please refer to the **CD-88** product brief.

### Features:

- ◆ **High level serial command interface:**  
(3 wire, I<sup>2</sup>C with IRQ and NEW alternatively UART)
- ◆ **Predefined Commands for common features:**  
e.g. Program, Shuffle, Repeat, Search,...
- ◆ **The Audio Masterclock can be internal or external:**  
selectable by a logic level input. NEW If the MCLK is external the internal oscillator is completely shut down.
- ◆ **A PC tool emulating a front board** for fast application development using the CD-84 UART mode and USB on the PC. All communication between the PC and the CD-84 is shown as hex data as well as high-level commands and can be logged.
- ◆ **A physical front board, the UFB-8X** is available and comes mounted with a display by default.

### About CD-84 and BlueTiger

BlueTiger is a connected CD and DVD optical drive platform, established in 2005.

BlueTiger reference solutions are comprised of a hardware platform, a high quality CD/DVD loader, and a customizable software framework that enables manufacturers to significantly improve time-to-market and lower development costs when responding to new market opportunities.

### Applications:

- ◆ CD-DA players, combi products with CD function.

### Benefits:

- ◆ Reduced development and total system cost through platform and product line development.
- ◆ Reduced time-to-market with cost-optimized hardware platform.

### Additional features:

- ◆ **Compatibility:**  
Code written for the CD-80 will run on the CD-84 with just minor changes needed.
- ◆ **Multiple loader types:**  
While developed specifically with top loading in mind, other loader types like tray and slot loaders are supported too. For other loaders types than top loaders, we recommend the CD-88, which is the same board circuitry-wise

### Availability:

- ◆ **Samples:** Available
- ◆ **Mass production:** Available
- ◆ **Dev-kits:** Available
- ◆ **Mounted by default** on CD-Pro8 and CD-Pro8-S

### Further Information

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