

Gottlieb System 80 LED Score Display Build Notes

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- Ribbon Display Cable – Correct Build Orientation
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- Power Supply recommendation for LED Displays

Disclaimer

It is recommended that these notes be used as a general guide only and that all work is carried out by qualified electrical contractors or service personnel. Please Note: Pinball machines contain dangerous voltages.

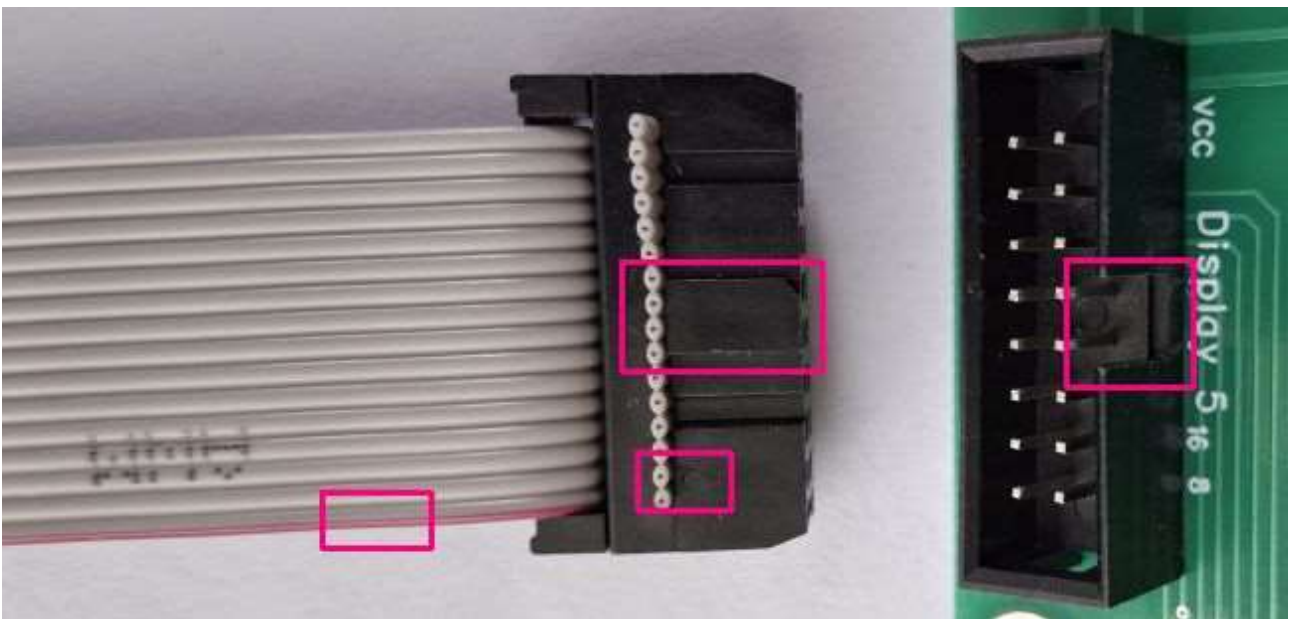
No Responsibility will be accepted for any consequences (unintended or otherwise) that results from the use of these resources.

Important Note on Gottlieb System 1 and System 80 Displays

Please Note: Gottlieb System 1 Displays are also used in Gottlieb System 80 Pinball Machines where 6 Digit score displays were originally fitted. These notes are therefore not to be used where Gottlieb 7 Digit displays are required as found in later System 80 Pinball machines.

Important Build Notes

When building ribbon display cables please ensure that **each end** of the ribbon cable is fitted with a cable connector oriented the same way as shown below. Take note of the notch orientation and the arrow on the connector denoting Pin1 with the **red striped side of the ribbon cable**.



Important Build Notes

Please Note: The 28 **Narrow Pin** Card Edge Connector Pictured Below will need to be trimmed as marked below. The Adapter Interface PCB only requires a 24Pin card edge connector which is difficult to obtain from most suppliers. See pictured below with trimmed section marked.

Disregard above if a **24 Narrow Pin** card edge connector can be sourced.

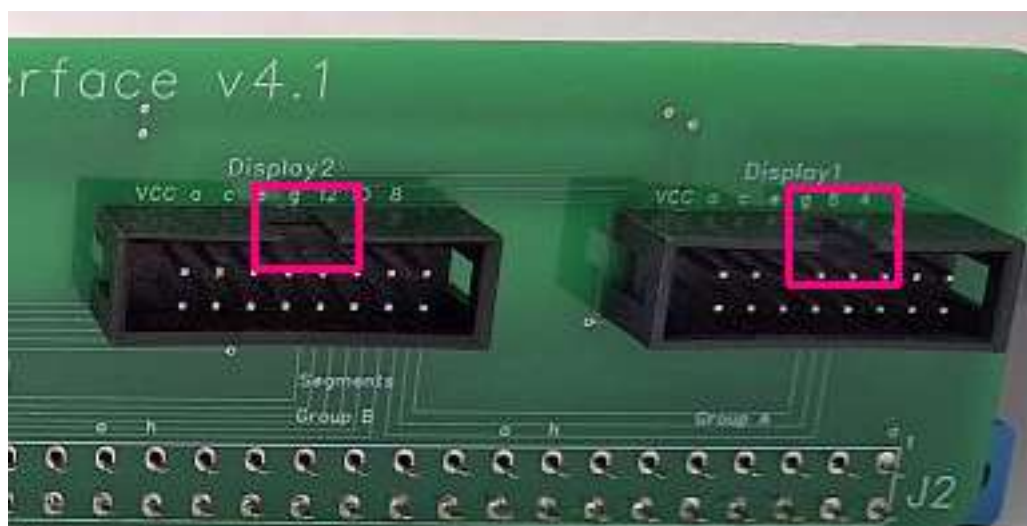
PCB Card Edge Connector
2 x 28 (Narrow Pin)
3.96mm pitch



Important Build Notes

When soldering 16 pin cable connectors to the LED Display interface, please ensure that all connectors are soldered with the **Notch Up**.

See pictured below.



Important Build Notes

It is recommended to use an Arcade Power Supply similar to the one pictured below to power the LED Displays. Please ensure that the Arcade Power Supply has the correct input voltage that suits your local electricity supply authority and is able to output 5volts DC. **Before connecting the Power Supply to the Displays use the +5v voltage adjustment screw to set output voltage to exactly 5v DC.**

Install the Arcade Power Supply inside your pinball machine cabinet and wire the 5v DC and GND to the LED Display Interface Board DC connector, **ensuring that 5v is connected to VCC and GND is connected to VSS.**

Recommended LED Display Power Supply

Arcade Power Supply
24v-12v-5v DC
Output

1 ea



Suppliers

PCB Manufacturing

jlcpb.com

All Other Parts

aliexpress.com