

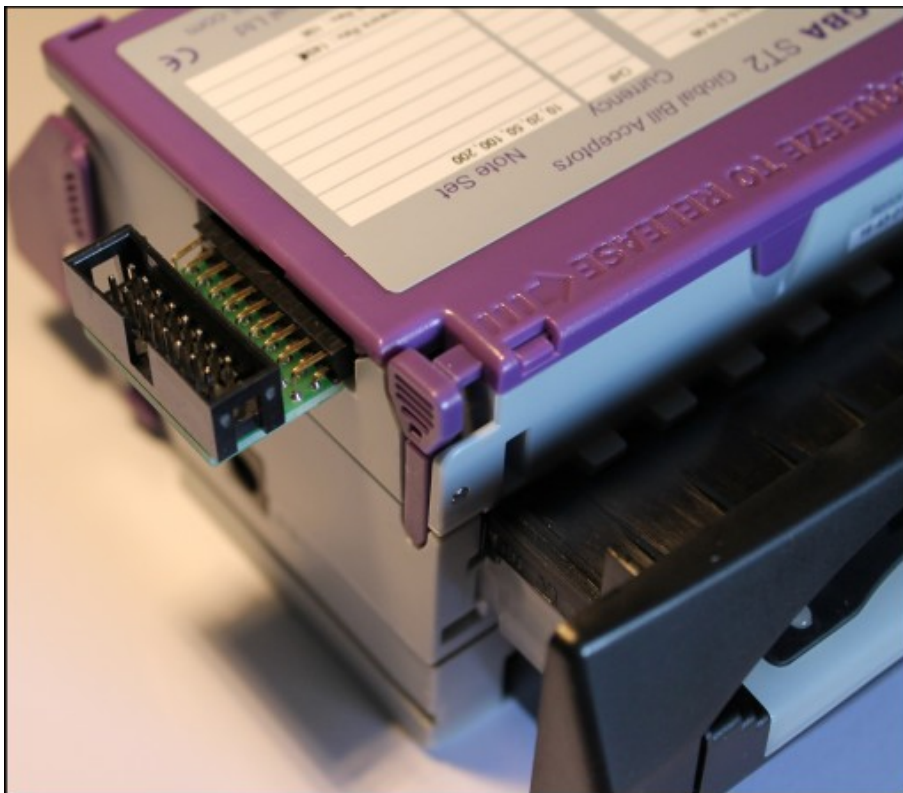


Bernd Karle Hard- und Softwareentwicklung
Blauenweg 6
79379 Müllheim, Germany
Phone: +49 (0)7631-172375
E-Mail: info@casino-software.de
Web: <http://www.casino-software.de>

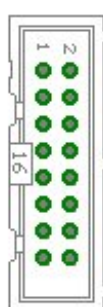
GBA-Adapter (Type 1) v1.04

With the GBA bill validator to NV10 bill validator adapter you can connect bill validators of the type GBA (Global Bill Acceptor with 20 pin plug) to interfaces that are done for bill validators of the type NV10 (Innovative Technology with 16 pin plug).

The GBA bill validator to NV10 bill validator adapter is made for use with PARALLEL, BINARY or PULSE protocol and is connected directly to the bill validator.



Occupation of the 16 pole plug (NV7/NV8/NV9/NV10 compatible):

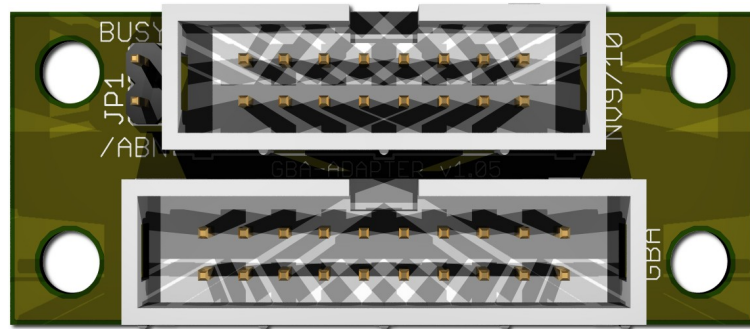


- Pin 1 = +12V DC
- Pin 2 = 0V
- Pin 3,4,5,6 = MDB (not used)
- Pin 7 = Busy (act. low)
- Pin 8 = Escrow (not used)
- Pin 9,10,11,12 = Inhibit 1-4 (blocking = High, accept = Low)
- Pin 13 = Vend 3 (Note channel 3, act. low)
- Pin 14 = Vend 4 (Note channel 4, act. low)
- Pin 15 = Vend 1 (Note channel 1, act. low)
- Pin 16 = Vend 2 (Note channel 2, act. low)

GBA-Adapter (Type 2)

v1.05

The GBA-Adapter can also be used to convert machines equipped with an [AstroSystems](#) GBA bill validator and replace the GBA bill validator with an NV9 or NV10 bill validator. To achieve this use the [AstroSystems](#) "GBA Adapter Type 2", that offers a 20pin plug for the GBA cable and a 16 pol. plug for NV9 or NV10 cable.



The GBA Adapter type 2 also connects the ESCROW control line.

Via jumper JP1 the NV9 or NV10 "BUSY" line can be connected to the "/ABN" line of the GBA. We had some money changer machines this connection was needed to operate correctly.