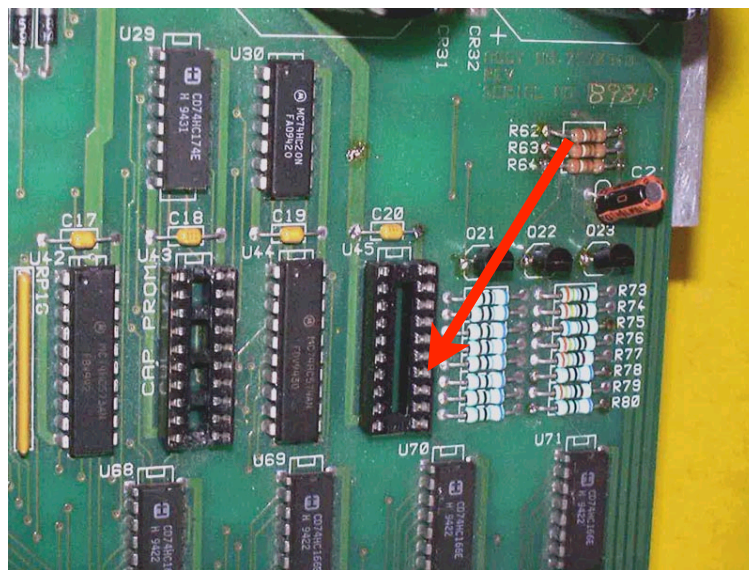


The monitor in an IGT PE+ is an RGB 15KHz (NTSC TV type resolution/frequency). The kicker is that the PE+ board outputs inverted RGB instead of what most RGB monitors are looking for.

While some LCD panels do allow for TV style inputs (Composite Video, S-Video etc.) they don't have an RGB input unless they are a VGA monitor (like a PC Computer) too. And then, the frequency of VGA is 31KHz and up. Since I know little about what is really available in LCD's someone else may know of a unit that will accept RGB at 15KHz.

How do you convert the video back to normal?

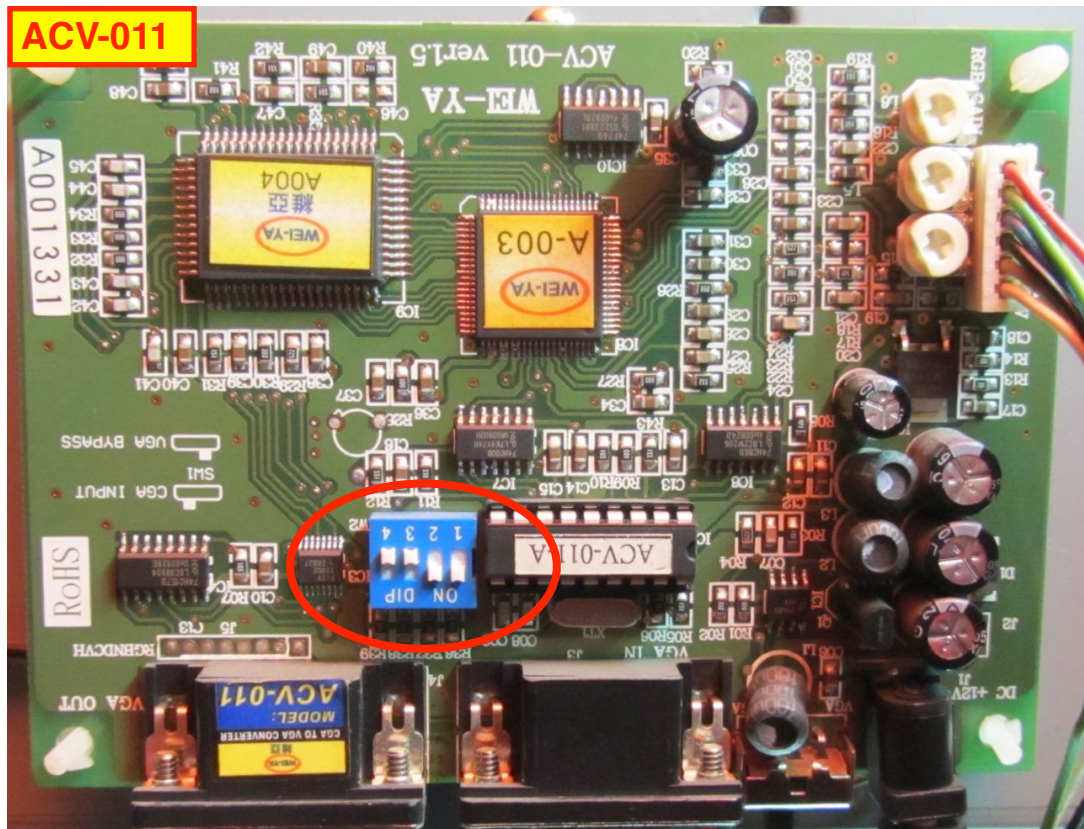
It will require unsoldering a chip on the board (the video latch) and replacing it with a socket and a 74HC564 (thanks to Stolistic)



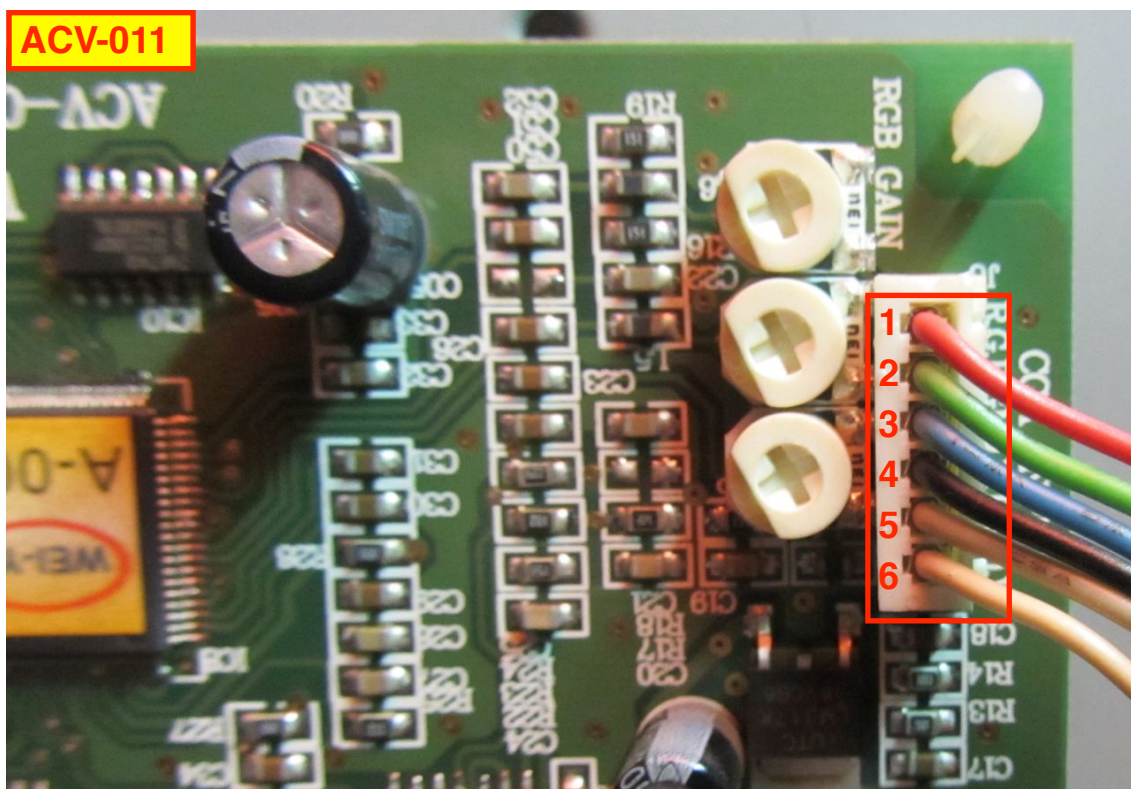
We have to use the converter ACV-011 from Weiya.com.tw (<http://www.weiya.com.tw/products.asp?le=english&fid=111>) the price was \$48.00 in 2008

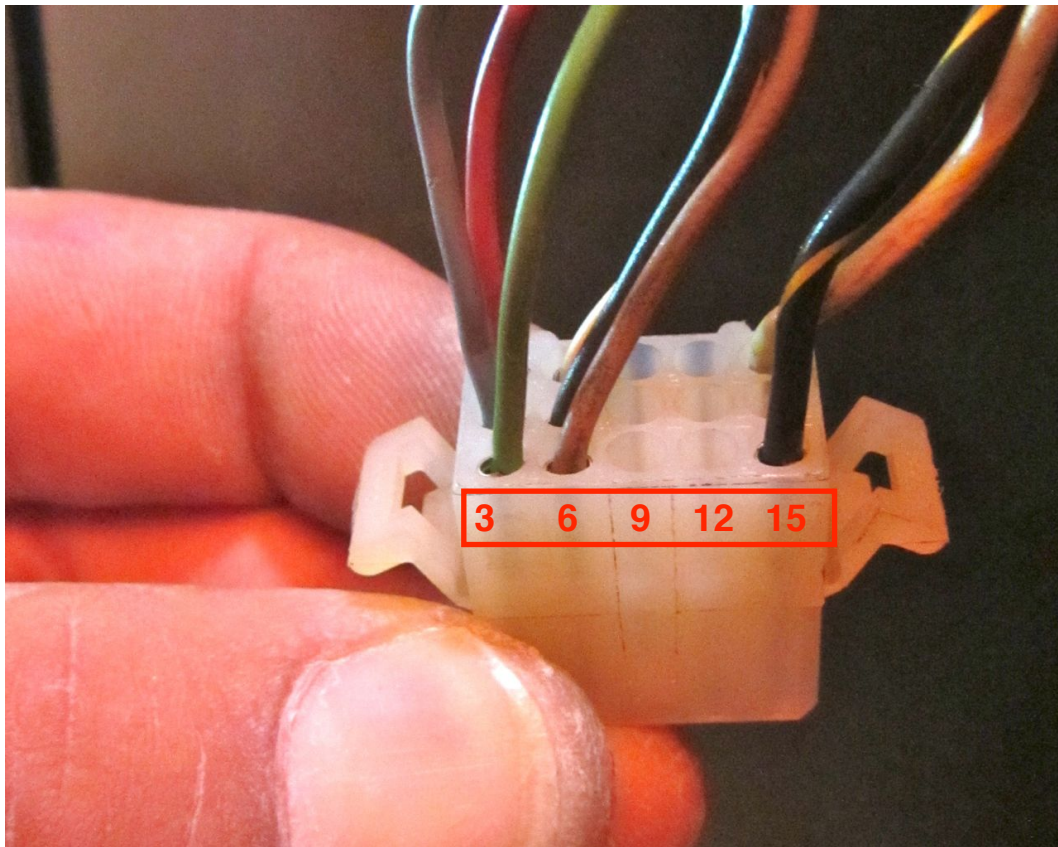


DIP Switch
settings:



Connect the ACV-011 wires to the PE+

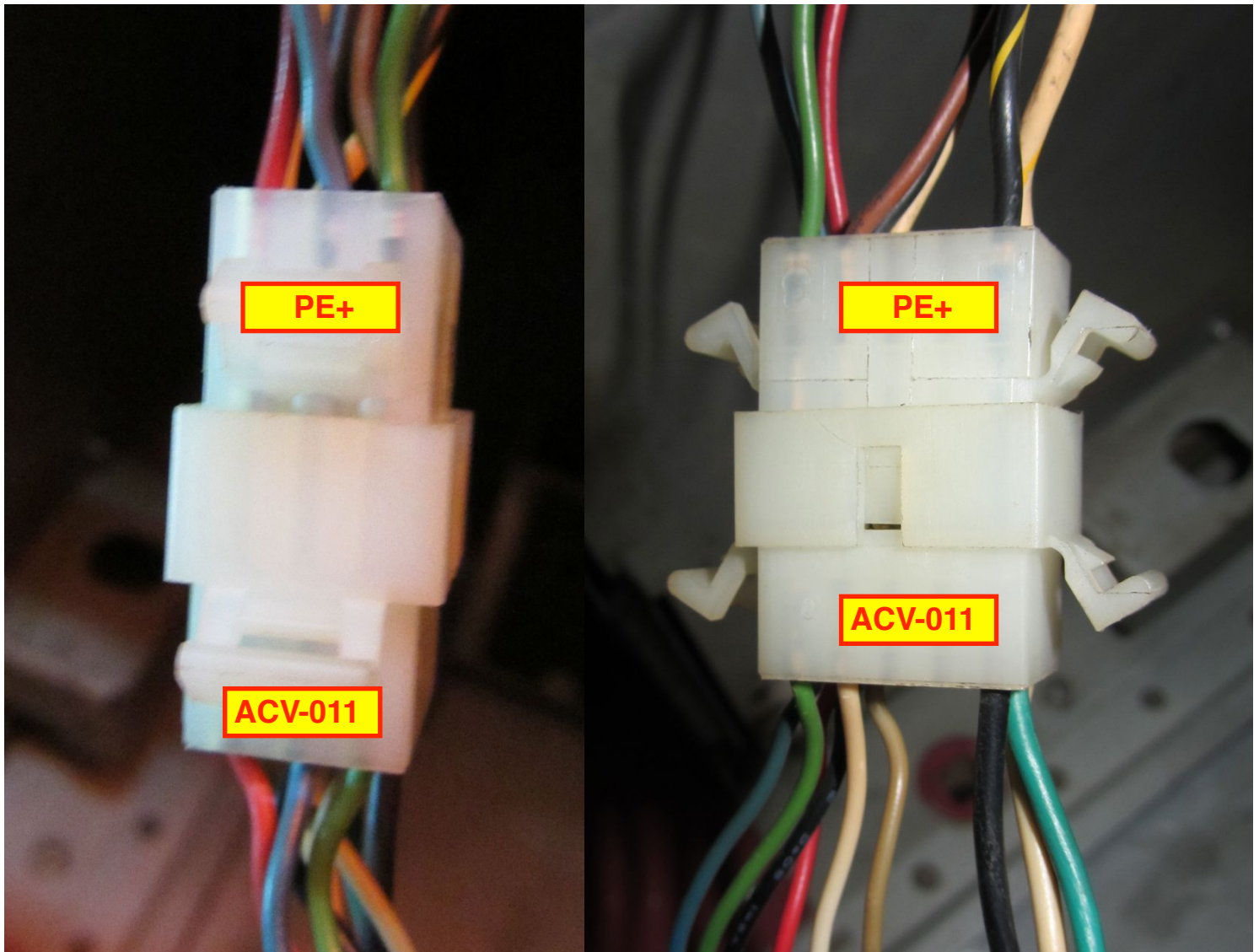




ACV-011	PE+
1 (Red)	1 (Red)
2 (Green)	2 (Blue)
3 (Blue)	3 (Green)
4 (Black)	5 (Black)
5 (Grey)	4 (White)
6 (White)	6 (Brown)
LCD* (power)	13 (110VAC)
LCD (power)	15 (110VAC)

Note: our LCD needs a transformer 220/110VAC <-> 12VDC

Other views between ACV-011 connector and PE+ connector:



You can connect whichever LCD you want, you will have to set the RGB gain by 3 VR on the ACV-011

Q: It looks like the modifications were done to the PE+ MPU only?

A: Yes

Q: then that means I can use just about any regular desktop PC computer LCD screen?

A: Yes

