

# How To Share 1 Monitor With 2 Or More Roland S-50 / S-550 Samplers

This DIY project assumes that you have already completed another DIY project I have documented titled, "GBS 8200 CGA/EGA/YUV To VGA Video Converter Board DIY". That project enables you to inexpensively connect a VGA LCD or CGA monitor to an S-50 or S-550

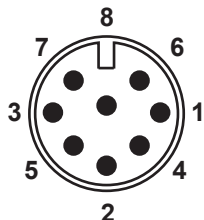
This project is a very easy and inexpensive build. Essentially, you are building three extension cables. Two of the cables connect to the samplers and one cable connects to the GBS 8200 Video Converter Board. An A/B switch box alternates between the samplers

## Parts List:

- (3) DB25-Pin Male Connectors With Hoods
- (2) 8-Pin DIN Male Connectors With Hoods
- (1) 8-Pin DIN Female Connector With Hood
- (5) Feet Of 6 Conductor Shielded Cable
- (1) DB25-Pin Female A/B Switch Box

### S-50 / S-550 #1 RGB Video Output Cable DB25-Pin 8-Pin DIN (Male)

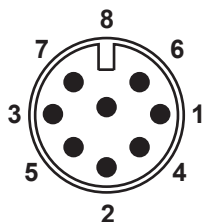
1	2 - GROUND
2	4 - HSYNC
3	5 - VSYNC
4	6 - RED
5	7 - GREEN
6	8 - BLUE



8-Pin DIN Male  
(Back View)

### S-50 / S-550 #2 RGB Video Output Cable DB25-Pin 8-Pin DIN (Male)

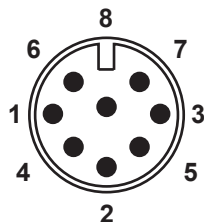
1	2 - GROUND
2	4 - HSYNC
3	5 - VSYNC
4	6 - RED
5	7 - GREEN
6	8 - BLUE



8-Pin DIN Male  
(Back View)

### CGA/VGA Video Board Input Cable DB25-Pin 8-Pin DIN (Female)

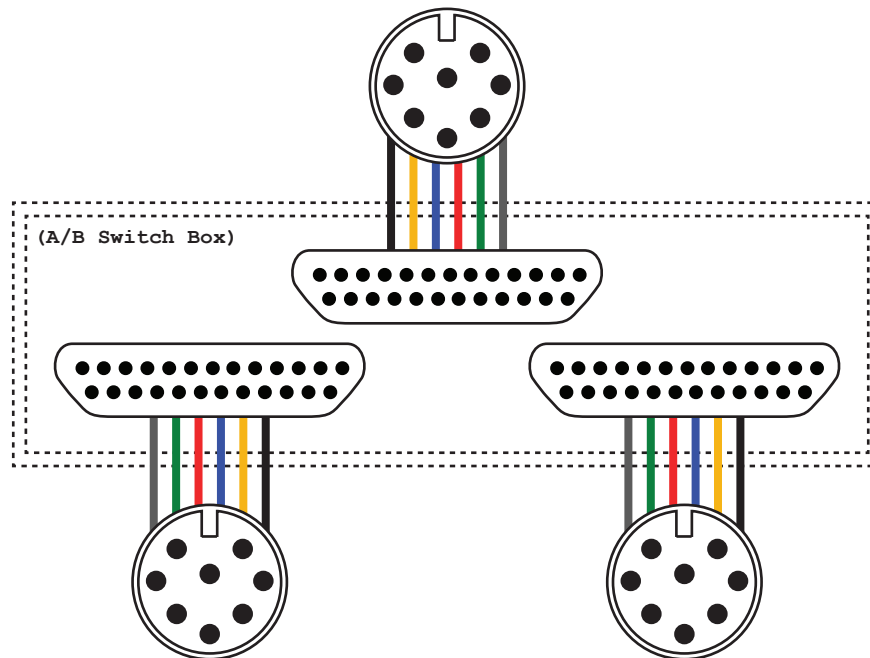
1	2 - GROUND
2	4 - HSYNC
3	5 - VSYNC
4	6 - RED
5	7 - GREEN
6	8 - BLUE



8-Pin DIN Female\*  
(Back View)

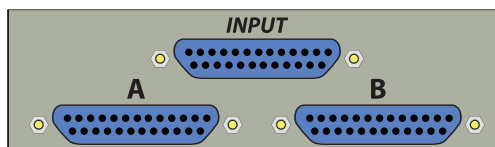
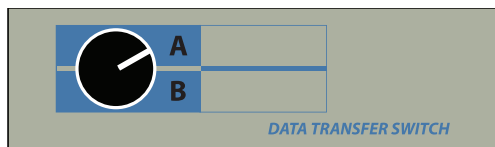
\* Note the different pin locations when compared with the two male DIN connectors

### Connector Cable For CGA/VGA Video Board 8-Pin DIN (Female)



Connector Cable For S-50 / S-550 #1  
8-Pin DIN (Male)

Connector Cable For S-50 / S-550 #2  
8-Pin DIN (Male)



Note: I already had some 6-conductor shielded cable and was able to build this project for less than \$14. This price includes the A/B switch box and all the connectors w/hoods which were about \$1 each from eBay

The A/B switch box used for this project is a 1-In, 2-Out 25-Pin model, but any type of A/B switch box can be used, provided the In and Out connectors use 6 or more pins. A/B switch boxes typically use 8-pin, 9-pin, 15-pin, 25-pin and 36-pin In/Out connectors. If you have more than two samplers, some A/B switch boxes have three and four Out connectors