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Apple Portrait Display: Video Card Pinouts

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Security: Everyone

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TOPIC -----

I need the pinouts for the new Portrait Display Video Card that uses the DB-15 connector. I also need the pinouts of the cable that connects the new DB-15 card to the WD-13 on the Portrait Display.

DISCUSSION -----

The pinouts for the new version of the Portrait Display Video Card are identical to those of the Macintosh IIci built-in video connector.

Pin	Signal	
01	RED.GND	Red Video Ground
02	RED.VID	Red Video
03	CSYNC	Composite Sync.
04	MON.ID1	Monitor ID, Bit 1
05	GRN.VID	Green Video
06	GRN.GND	Green Video Ground
07	MON.ID2	Monitor ID, Bit 2
08	nc	(No Connection)
09	BLU.VID	Blue Video
10	MON.ID3	Monitor ID, Bit 3
11	C&VSYNC.GND	CSYNC & VSYNC Ground
12	VSYNC	Vertical Sync.
13	BLU.GND	Blue Ground
14	HSYNC.GND	HSYNC Ground
15	HSYNC	Horizontal Sync.
Shell	CHASSIS.GND	Chassis Ground

The finished-goods part number for this cable is #590-0615.

The pin requirements for a cable between a new version of the Portrait Display

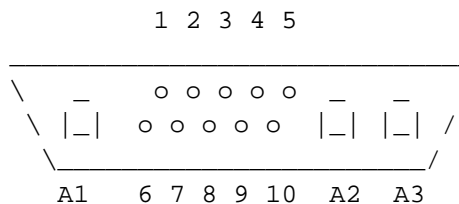
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Video Card (or a Macintosh IIci) and a Portrait Display are as follows:

DB-15 (On Card)	Signal	D Series-Size 3 (On Display)
1	RED.GND	A3 (Outer)
2	RED.VID	A3 (Center)
3	CSYNC	5
4	MON.ID1	9
5	GRN.VID	A2 (Center)
6	GRN.GND	A2 (Outer)
7	MON.ID2	8
8	nc	
9	BLU.VID	A1 (Center)
10	MON.ID3	3
11	C&VSYNC.GND	4,7,10
12	VSYNC	2
13	BLU.GND	A1 (Outer)
14	HSYNC.GND	1
15	HSYNC	6
Shell	CHASSIS.GND	Shell

Following are the signal assignments for the Portrait Display D-series size 3 connector, shown from the back of the monitor.

Pin	Signal Name
A1	Monochrome video
A2	75-ohm
A3	75-ohm
1	Hsync return
2	Vsync
3	Sense #3
4	Sense ground
5	Csync (not used)
6	Hsync
7	Vsync return
8	Sense #2
9	Sense #1
10	Csync return (not used)
Shell	Shell ground



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