

# Apple /// cable for TAXAN RGB Vision Monitor

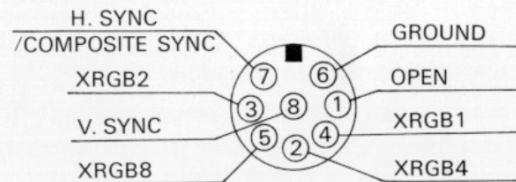
Achim Boers

24-7-2021

# Pinouts

## MODE III

Computer Type : Apple-III  
 TAXAN Cable Type : RGBCABLE-III  
 Signal Types : XRGB-1 (blue), XRGB-2 (green), XRGB-4 (red),  
 XRGB-8 (intensity), composite horizontal and vertical sync.  
 Signal Levels : All TTL  
 Signal Polarity : XRGB 1, 2, 4 & 8.....Positive  
 Sync.....Negative  
 Connections : RGBCABLE-III cable 8-pin DIN plug to the mating connector on the  
 monitor and the 15-pin Type D plug to the mating connector on  
 the computer.



**WARNING!** DO NOT CONNECT MORE THAN ONE INTERFACE CABLE TO THE  
 MONITOR AT ANYTIME.

P3

## Apple III: Color Video Port Pinouts (2/95)

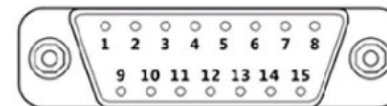
- **Last Modified:** February 14, 1995
- **Article:** [TA30822](#)
- **Old Article:** 1423

This article provides a description of the Apple /// color video port.

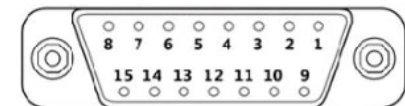
DB-15 Connector Signal Description

- 1 ....Shield Ground - Establishes electrical ground.
- 2 ..... XRGB4 - One of 4 RGB outputs. Pins 2, 5, 9, & 10 are TTL outputs with instantaneous color information. A linear-weighted sum of these four signals will form a true 16 color RGB video signal.
- 3 ..... SYNC - Composite negative synchronous signal.
- 4 ..... PDI - Not used
- 5 ..... XRGB1 - See pin 2 (one of 4 RGB outputs)
- 6 ..... GND - Power & Signal Ground
- 7 ..... -5V - Maximum load 200 mA
- 8 ..... +12V - Maximum load 500 mA
- 9 ..... XRGB2 - See pin 2 (one of 4 RGB outputs)
- 10 ..... XRGB8 - See pin 2 (one of 4 RGB outputs)
- 11 .....BWVID - NTSC B&W Composite video with negative going sync, 1 volt peak to peak into a 75 ohm load.
- 12 .....NTSC - NTSC Color video with negative going sync, 1 volt peak to peak into a 75 ohm load.
- 13 .....GND - Power & Signal Ground
- 14 .....-12V - Maximum load 200 mA
- 15 .....+5V - Maximum load 1 Amp.

## DB15 Interface definition



DB15 Male



DB15 Female

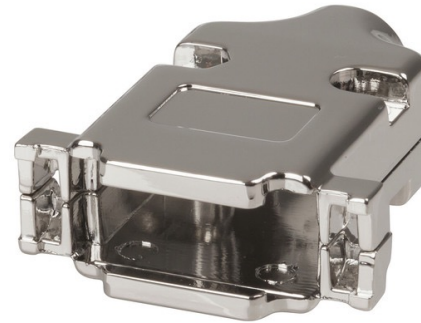
# Jaycar



**8 Pin DIN Line Plug**



**DB15 Male Connector - Solder**



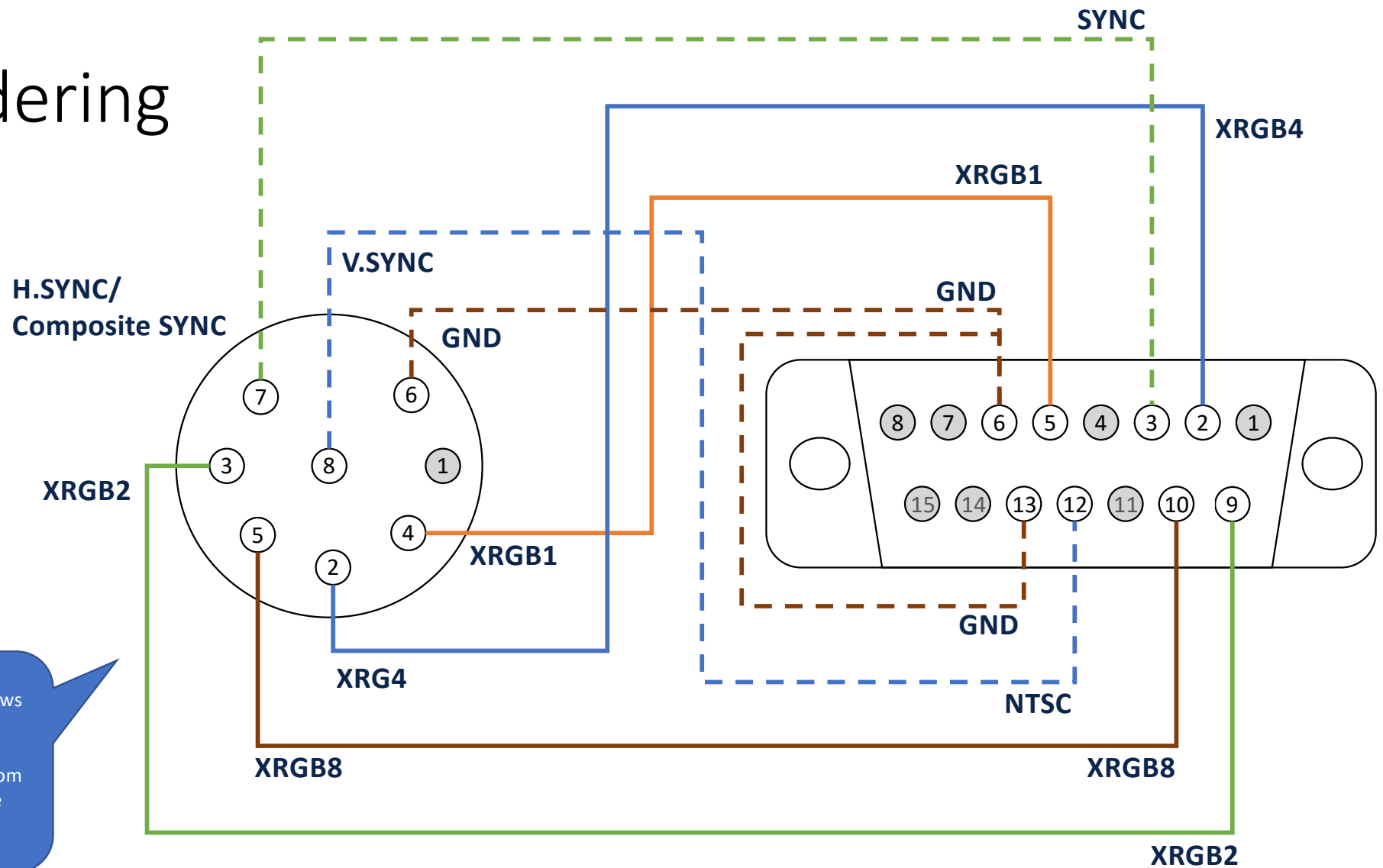
**DB15 Metal Backshell**

This one has 8  
Core Cables inside!



**Cat 5e Solid  
Core Network Cable**

# Soldering



These are the views for the female socket, so the soldering view from the back of the connector



# The Cable

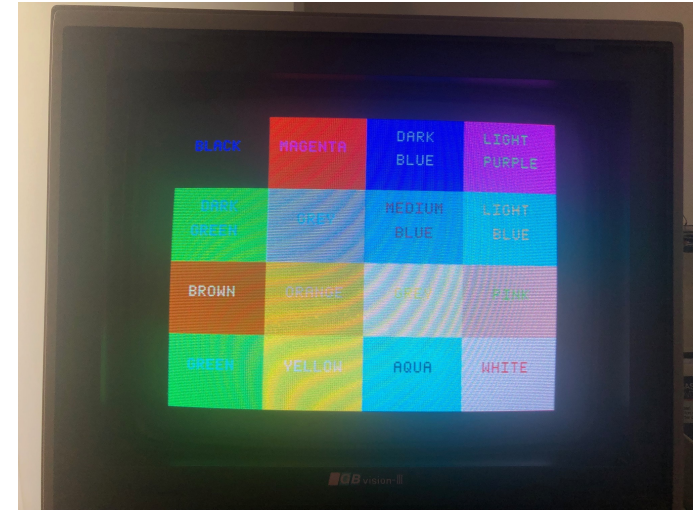




# The Result



# The Result



# Documentation

- <https://www.apple3.org/Documents/Technotes/TA30822.html>
- <http://mirrors.apple2.org.za/ftp.apple.asimov.net/documentation/hardware/video/Taxan%20RGB%20vision%20Color%20Monitor%20Owner%27s%20Guide%20by%20Kaga.pdf>
- <https://www.apple.asimov.net/documentation/hardware/video/Taxan%20RGB%20vision%20Color%20Monitor%20Owner%27s%20Guide%20by%20Kaga.pdf>
- <https://www.jaycar.com.au/8-pin-din-line-plug/p/PP0312?pos=3&queryId=1013a5d04b31b73e7ef14fa46e0e13c5&sort=relevance>
- <https://www.jaycar.com.au/db15-male-connector-solder/p/PP0820?pos=1&queryId=d657aff690a1dac9e857ea71a90ed2ac&sort=DB15Male%20Connector%20-relevance>
- <https://www.jaycar.com.au/db15-metal-backshell/p/PM0833?pos=8&queryId=ec509264998b37b4fc6800c3aef64517&sort=relevance>
- <https://www.jaycar.com.au/cat-5e-solid-core-network-cable-sold-per-metre/p/WB2022?pos=5&queryId=0ea715b9a6cba8060451c992f1300066&sort=relevance>