# Macintosh SE/30: Recommended Way To Connect Kodak DataShow

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Article Change History
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09/28/92 - REVIEWED
- For technical accuracy.

TOPIC ----------

Connecting the Kodak DataShow to the Macintosh SE/30 created quite a controversy as to which chip and pin on the logic board contains the signal for the pixel clock.

DISCUSSION ----------

Initially, an article stated that pin 1 of UG6 was the correct location to find the pixel clock (according to the engineer who designed the logic board). Soon thereafter, Kodak recommended pin 1 of UG7.

A copy of the Macintosh SE/30 logic board schematics showed that both pin 1 of UG6 and pin 1 of UG7 are tied together and generate the same signal. In fact, several chips on the logic board, beside UG6 and UG7, generate the pixel clock signal. Engineers confirmed this with a continuity meter and verified a connection between pin 1 of UG6 and pin 1 of UG7. An oscilloscope also verified that the signals were identical.

Tech Comm engineers obtained a Kodak DataShow unit and successfully installed it on pin 1 of UG6 and pin 1 of UG7. Perhaps other factors caused the unsuccessful installations of the DataShow unit on UG6 and UG7. For example, perhaps pin 1 and pin 2 were shorted together. It is also possible that a good connection was not made between pin 1 and the DataShow interface.

Recommendation: Use pin 1 of UG7. This is for two reasons:

1) Pin 1 of UG7 is what Kodak recommends.

2) It is easier to install the DataShow connector on pin 1 of UG7.

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