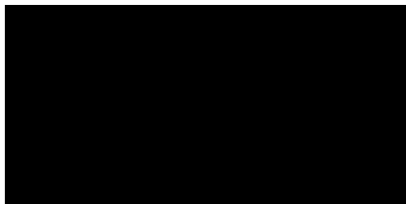


April 3, 1964

Declass Review, NIMA/DoD

STATOTHR



As discussed over the phone on 2 April, 1964, this is a written response to your request for technical information with regard to the computer interface.

The assignment of the X and Y bits to specific pins on the cable connector is a function of both the hardware and programming.

STATOTHR

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- 1) Cable and Connector Assignment: A pin assignment list was forwarded via our program manager to [REDACTED]. This list clearly specifies the assignment of each data bit. As noted in the remarks, the pair associated with each pin is listed with the signal pin first and followed by the reference (ground) pin. For example, the 2^0 bit is the least significant bit of a word, and the signal is on Pin A while the reference for this twisted pair is on Pin E. Naturally, only the bit positions 0 to 29 are applicable for the [REDACTED] 490. The additional wires for bit positions 30 to 35 are not used.

STATOTHR

- 2) Plotter X and Y Bit Assignments: The assignment of these bit positions should be made by someone familiar with the programming requirements. An arbitrary choice would be to place the 10 bits for the X direction in the bit positions 0 - 9 and the 10 bits of the Y direction in bit positions 15 - 24, with the least significant bits of each group at bit positions 0 and 15. From a hardware viewpoint, any other choice is equally suitable. The programmer, on the other hand, will have some voice on the choice made since it can affect his coding requirements. The programmers who are associated with writing programs for use of the [REDACTED] plotter should be consulted.


STATOTHR

- 2 -

With regard to your question on the specific cable connector, the desired information was given in an earlier letter. I believe the point on interchangeability was clarified over the phone, and no further written material is necessary. Please let us know if this is not the case.

Yours truly,

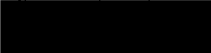

STATOTHR


Manager,
Peripheral Systems II

SO/bk

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CC:

 Federal Gov't Mtg - Washington
- Federal Gov't Mtg - Washington


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