

National Radio Astronomy Observatory  
Charlottesville, Va 22903

September 19, 1988

To: VLBA Electronics Staff  
From: Erich Schlecht  
Subject: New M/C bus reset signal

Even though it has been decided not to add a M/C general reset to the system, hardware to do so is being added for this purpose, in case it should be needed in the future.

The reset signal is being incorporated into the rack system using the same cable that carries the receive and transmit M/C bus. Two pins on the 9-pin D connector have been reserved for this purpose, as have two pins in the 42-pin AMP connector for the modules. The 9-pin connector specification must be used, and the 42-pin specification should be used if the pins have not already been used for something else.

The part numbers specified in this memo add to those in VLBA Electronics Memo 69.

<u>Signal</u>	<u>9-pin D</u>	<u>42-pin AMP</u>	<u>Wire Color</u>
RST +	4	35	GREEN
RST -	7	36	BLACK
XMIT +	1	8	RED
XMIT -	2	9	BLACK
RCV +	8	14	WHITE
RCV -	9	15	BLACK

Cable: Belden 9805

Shell for Connector: AMP 745171-5

Crimp Ferrules: inner -- AMP 745129-8  
outer -- AMP 745130-8

RFI Gasket for Panel Connector: AMP 747024-3

9-Pin D Connector: female socket -- Amphenol 17-12090-00  
(solder pot) male plug -- Amphenol 17-22090-00