Feedthrough Board
Connectors for 2 ¼ Pixel Stations

Actual Size Drawing
Station Pitch = 1.65”
10” of Vertical outside Vacuum
14 modules per ¼ station

Front Side
Back Side

Connectors for High Voltage. One coaxial cable for every pixel module. Coaxial cable shield is GND. 1000V Max DC.

100 position .05” x .1” straight header for data signals. 13 headers required for two ¼ pixel stations. Part is 3M #81100-620200.

Low Voltage Analog ¼ pixel station. 1 Analog Power and 1 Analog GND for each of the 14 Modules in a ¼ Station. Connector is 37 position (only 28 are used) straight post D-sub connector. AMP part#745059-4.

Low Voltage Digital ¼ pixel station. 1 Digital Power and 1 Digital GND for each of the 14 Modules in a ¼ Station. Connector is 37 position (only 28 are used) straight post D-sub connector. AMP part#745059-4.

68 position .05” x .1” straight header for low voltage sense. Only 56 of the 68 positions are used. Part is 3M #81068-620200.