
5032-6, 5032-10, 5032-12, 5032EP-6 AND 5032EP-12

MAINFRAMES

DESCRIPTION

The Models 5032-6, 5032-10, 5032-12, 5032EP-6 AND 5032EP-12 Mainframes are designed to hold, protect and make electrical connection to all 5000 Series Audio Processing System cards.

The Model 5032-6 has a capacity of 6 processing cards plus a Model 5030 Power Supply. The Model 5032-12 holds 12 processing cards and a Model 5030 Power Supply. The card slots are numbered from left to right as viewed from the front. The slot (or 2 slots, in the case of the 5032-10) on the extreme right is for the Power Supply.

The 5032EP-6 and 5032EP-12 Mainframes make use of external power supplies (the Model 400PS Power Supply System) for applications requiring higher current. A 5002 Interface Card is supplied with these mainframes and is located in the power supply slot. The 5002 includes a fuse and an On/Off switch. Connection to the 400PS is made via connectors on the rear of the mother board.

The 5032-10 has 10 function card slots and 2 power supply (5030) slots for powering higher current applications such as 5232Q and multiple cards with 208S outputs. It is identical to the 5032-12 except that function card slots 11 and 12 have been converted to a power supply slot.

The processing and power supply cards make connection to the mainframe by card edge connectors located on the mother board which forms the rear panel of the mainframe. Each processing card slot also has associated with it a 15 position screw terminal connector for making the necessary input, output and external control connections. The mother board provides all inter-card connections between processing cards, expansion cards, and power supply cards, as well as connections to system ground, trimpots, phantom power, and AC power, thereby eliminating the need for any direct wiring to individual cards.

Also located on the Mainframe mother board are the AC power cord connector, and locations for up to 5 gain set trimpots for each processing card slot, as needed.

The Models 5032-6, 5032-10, and 5032-12 Mainframes are designed for mounting in a standard 19" equipment rack. They occupy 3 1/2" of rack space. Their depth is 12.3", overall, including the power cord.

A hinged, semitransparent smoke-colored plexiglas cover is provided for appearance and as a dust cover which permits observation of any indicator lights.



SPECIFICATIONS

1. Size (maximum overall dimensions)
 - Height (8.89 cm) 3.5"
 - Width (48.3 cm) 19"
 - Depth (including power cord) (31.2 cm) 12.3"
2. Weight (including power cord)
 - 5032-6, 5032EP-6 (1861 gm) 4.1 lb.
 - 5032-10 (1762 gm) 3.88 lb.
 - 5032-12, 5032EP-12 (2043 gm) 4.5 lb.
3. Connectors
 - Card edge (13 each) 44 bifurcated gold contacts
 - Inputs, Outputs, and External Control (12 each) Phoenix 1717813
(15 position compression type screw terminal connectors)
 - AC power Panel Components 8843.ZP.30.60
 - Mating Line Cords Belden 17250, or equivalent

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