

## Backplanes

The backplane is the heart of the system. It is responsible for taking signals from one board to another, for distributing power and assists in securing boards mechanically.

*Note:* Backplane widths are shown under ordering information.

### STEBus Backplanes:

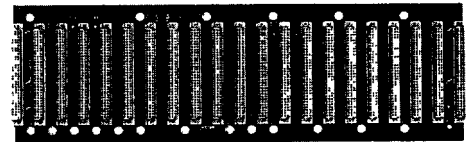
STEBus backplanes are available as standard with 4, 5, 7, 10, 14 or 21 connectors (slots) on a 0.8" pitch. Other sizes are available to special order. All STEBus backplanes must be terminated at one end for 5 slots or fewer, and at both ends for more than 5 slots. Arcom backplanes feature built-in active terminations, saving the expense of additional termination networks.

The SBPL4, 5, 7 and 10 STEBus backplanes are double sided PCBs with a ground plane, the SBPLM14 and 21 are multi-layer PCB designs with on-board reset circuit and +5V LED power supply monitor, providing an easy means of detecting power supply faults. Connections to power rails are by screw connectors for +5V, 0V, +12V, -12V and Standby.

The SBPL5V to SBPLM21V STEBus backplanes are standard backplanes with long terminator connector pins fitted allowing connection of the VTSJ2 interconnect backplane when configuring 32-bit VMEbus/STEBus systems.

### Ordering Information:

<b>SBPL4</b>	4-slot STEBus backplane, 18E
<b>SBPL5</b>	5-slot STEBus backplane, 21E
<b>SBPL7</b>	7-slot STEBus backplane, 29E
<b>SBPL10</b>	10-slot STEBus backplane, 43E
<b>SBPLM14</b>	14-slot STEBus backplane, 57E
<b>SBPLM21</b>	21-slot STEBus backplane, 84E
<b>SBPL5V</b>	5-slot STEBus backplane (long pins), 21E
<b>SBPL10V</b>	10-slot STEBus backplane (long pins), 43E
<b>SBPLM14V</b>	14-slot STEBus backplane (long pins), 57E
<b>SBPLM21V</b>	21-slot STEBus backplane (long pins), 84E



### VMEbus Backplanes

VMEbus backplanes are available as standard with 4, 5, 7, 9, 14, 17, and 21 connectors (slots) on a 0.8" pitch. All VMEbus backplanes are multi-layer PCBs designed to take plug in terminators, and are available for J1 (P1) and J2 (P2) connection. Connections to power rails are by screw studs. A termination network should be fitted to both ends of a VMEbus backplane.

### Ordering Information:

<b>VDBPL4J1</b>	4-slot VMEbus J1 backplane, 17E	<b>VDBPL7J2</b>	7-slot VMEbus J2 backplane, 29E
<b>VDBPL5J1</b>	5-slot VMEbus J1 backplane, 21E	<b>VDBPL9J2</b>	9-slot VMEbus J2 backplane, 37E
<b>VDBPL7J1</b>	7-slot VMEbus J1 backplane, 29E	<b>VDBPL14J2</b>	14-slot VMEbus J2 backplane, 57E
<b>VDBPL9J1</b>	9-slot VMEbus J1 backplane, 37E	<b>VDBPL17J2</b>	17-slot VMEbus J2 backplane, 69E
<b>VDBPL14J1</b>	14-slot VMEbus J1 backplane, 57E	<b>VDBPL21J2</b>	21-slot VMEbus J2 backplane, 85E
<b>VDBPL17J1</b>	17-slot VMEbus J1 backplane, 69E	<b>VTSJ2</b>	Interconnect backplane J2 to STEBus, 12E
<b>VDBPL21J1</b>	21-slot VMEbus J1 backplane, 85E	<b>VNETJ1</b>	VMEbus J1 backplane terminator, 3E
<b>VDBPL4J2</b>	4-slot VMEbus J2 backplane, 17E	<b>VNETJ2</b>	VMEbus J2 backplane terminator, 3E
<b>VDBPL5J2</b>	5-slot VMEbus J2 backplane, 21E		

### VMEbus/STEBus Interconnect Backplane

The VTSJ2 interconnect backplane, jumpers VMEbus J2 (P2) backplanes to STEBus backplanes for full 32-bit VMEbus/STEBus configurations

### Example Configuration: VMEbus/STEBus Backplane

