

PRODUCT OVERVIEW - BUSTRONIC

VME BACKPLANES

| | SLOTS | DAISY CHAIN | POWER | NOTES |
|------------------|---------------------------|-------------|------------|-------|
| Monolithic - 6U | 2-10, 12, 14-21 | Auto | Power Taps | n/a |
| J1 - 3U | 3-12, 14-18, 20, 21 | Auto | Power Taps | n/a |
| J2 - 3U | 3-5, 7, 9, 12, 14, 20, 21 | n/a | Power Taps | n/a |
| J3 - 3U | 3-21 | n/a | Power Taps | n/a |
| Development - 3U | 3-21 | n/a | Power Taps | n/a |
| Overlays | 2-6 | n/a | n/a | n/a |
| J2 VSB Overlay | 2-6 | n/a | n/a | n/a |

VME64x/VME320 BACKPLANES

| | SLOTS | DAISY CHAIN | POWER | NOTES |
|-------------|------------------------------|-------------|------------|----------|
| VME64x - 6U | 5, 8, 9, 12, 14, 15, 21 | Electronic | Power Taps | n/a |
| VME64x - 7U | 2-10, 12, 15, 16, 18, 20, 21 | Electronic | Power Taps | n/a |
| VME320 | 6, 7, 9, 12, 15, 20, 21 | Manual | Power Taps | 320 Mbps |

VXI BACKPLANES

| | SLOTS | DAISY CHAIN | POWER | NOTES |
|--------------|--------------------|-------------|------------|-----------------------------------|
| VXI "C" - 6U | 5, 6, 8, 9, 11, 13 | Electronic | Power Taps | active/passive termination option |
| VXI "D" - 9U | 5, 8, 9, 13 | Electronic | Power Taps | active/passive termination option |

COMPACTPCI BACKPLANES

| | SLOTS | SYSTEM SLOT | POWER | BUS WIDTH |
|--------------------------------|---------------|-------------|------------------------------|-----------|
| cPCI - 3U | 4, 6, 8 | Right | 6/32 nuts* | 64-bit*** |
| cPCI - 3U (32-bit) | 8 | Right | 6/32 studs* | 32-bit |
| cPCI - 3U (32-bit) | 3 | Left | 6/32 nuts* | 32-bit |
| cPCI - 6U | 3, 4, 5, 6, 8 | Right | 6/32 nuts* | 64-bit*** |
| H.110 - 6U | 4, 5, 6, 8 | Right | 6/32 nuts* | 64-bit*** |
| cPCI Low Profile - 6U | 4 | Right | 6/32 studs* | 64-bit*** |
| cPCI Low Profile - 6U | 8, 21 | Left | 6/32 studs* | 64-bit*** |
| cPCI Low Profile - 6U (32-bit) | 6, 8 | Left | 6/32 studs* | 32-bit |
| cPCI Low Profile - 6U H.110 | 8 | Left | 6/32 studs* | 64-bit*** |
| cPCI Low Profile - 7U | 2, 3 | Left | 6/32 studs* | 64-bit*** |
| cPCI Low Profile - 7U H.110 | 2 | Left | 6/32 studs* | 64-bit*** |
| cPCI EasyPlug - 3U | 8 | Right | 1 vert. 47-pin Positronic | 32-bit* |
| cPCI EasyPlug - 6U | 8, 14, 16 | Right | 1-6 vert. 47-pin Positronic | 64-bit* |
| cPCI EasyPlug - 6U H.110 | 14, 16 | Right | 2-6 vert. 47-pin Positronic | 64-bit* |
| cPCI EasyPlug - 9U | 2, 4, 6, 8 | Right | 1-3 horiz. 47-pin Positronic | 64-bit* |
| cPCI EasyPlug - 9U H.110 | 2, 4, 6, 8 | Right | 1-3 horiz. 47-pin Positronic | 64-bit* |

* Nuts on side of the backplane

** Studs between slots

*** 32-bit capable

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SWITCHED FABRIC BACKPLANES

| | SLOTS | SYSTEM SLOT | FABRIC SLOTS | BUS |
|------------------------------|---------|-------------|--------------|-------------------|
| PICMG 2.17 Development | 17 | 2 | 2 | cPCI, H.110 |
| PICMG 2.17 Backplane | 8 | 1 | 1 | cPCI |
| PICMG 2.16 - Star | 4, 6, 8 | 1 | 1 | cPCI |
| PICMG 2.16 - Dual Star | 8 | 1 | 2 | cPCI |
| PICMG 2.16 H.110 - Star | 4, 6, 8 | 1 | 1 | cPCI, H.110 |
| PICMG 2.16 H.110 - Dual Star | 4, 8 | 1 | 2 | cPCI, H.110 |
| cPCI Express | 4, 6 | 2 (left) | 2 (Type 2) | 0,2 (Legacy cPCI) |

ADVANCEDTCA BACKPLANES

| | SLOTS | HUB SLOTS | NODE SLOTS | SHELF MGMT CONN |
|----------------------------|--------------|-----------|------------|-----------------|
| ATCA Backplane - Dual Star | 14 | 2 | 12 | Pluggable |
| ATCA Backplane - Mesh | 2, 5, 14, 16 | all | all | Pluggable |

VXS BACKPLANES

| | SLOTS | HUB SLOTS | NODE SLOTS | MATERIAL |
|----------------------------|-------------------|-----------|------------------------------|----------|
| VXS Backplane - Star | 5, 8, 10 | 1 | 4, 7, 9 | FR-4 |
| VXS Backplane - Switchless | 5 | 0 | 3 Switchless, 2 VME64x | FR-4 |
| VXS Backplane - Dual Star | 8, 12, 18, 20, 21 | 2 | 6, 10, 16, 18, 18 + 1 VME64x | FR-4 |

PXI BACKPLANES

| | SLOTS | SYSTEM SLOT | POWER | NOTES |
|---------------|-------|-------------|------------|------------------------|
| PXI Backplane | 8 | Left | 6/32 studs | Star trigger on slot 2 |

MICROTCA BACKPLANES

| | AMC SLOTS | MCH | PM | NOTES |
|----------------------------|-----------|------|------|-----------|
| uTCA Backplane - Star | 12 | 1 | 1 | Full size |
| uTCA Backplane - Dual Star | 10 | 2 | 2 | Full size |
| uTCA Backplane - Cube | 6 | 1 | 1 | Full size |
| uTCA Backplane - MicroSlim | 6, 12 | 1, 2 | 1, 2 | Mid size |

VPX BACKPLANES

| | TOTAL SLOTS | VPX SLOTS | OTHER SLOTS | NOTES |
|------------------------|-------------|-----------|--------------------|--------------------------------------|
| VPX Backplane - 3U | 6 | 6 | n/a | Per VITA 46.20 Centralized Switch |
| VPX Backplane - 6U | 5 | 5 | n/a | 6U |
| VPX Backplane - Hybrid | 7, 17 | 5, 14 | 2 VME64x, 3 VME64x | n/a |

PRODUCT OVERVIEW - BUSTRONIC

BACKPLANE ACCESSORIES

| | FORM FACTORS | FRONT PANEL HANDLES | CARD GUIDE HANDLES | NOTES |
|-----------------------------|------------------------------------|---------------------|--------------------|----------------------------|
| VXI Test Extender | 6U x 340mm | No | Yes | Switch Isolation |
| VME64x Test Extender | 6U x 220mm | No | Yes | Switch Isolation |
| cPCI Test Extender | 6U x 220mm | Yes | Yes | Switch Isolation |
| cPCI Test Extender - Rear | 6U x 180mm | Yes | Yes | n/a |
| VME Test Extender | (3U, 6U, 9U) x (200, 400) | No | Yes | Switch Isolation |
| VXS Test Extender | 6U x 220mm | Yes | Yes | Rigid - Flex - Rigid |
| VPX Test Extender | 6U x 220mm | Yes | Yes | Rigid - Flex - Rigid |
| AMC Test Extender | single module, full size | No | No | n/a |
| VME Form Factor Extender | 3U x 60mm, 6U x 60mm, 120mm, 180mm | n/a | n/a | n/a |
| VME64x Form Factor Extender | 6U x 60mm, 6U x 180mm | n/a | n/a | n/a |
| cPCI Load Board | 6U x 160mm | Yes | n/a | Binary Switches |
| VME/64x Load Board | 6U x 160mm | Yes | n/a | Binary Switches |
| VPX Load Board | 6U x 160mm | Yes | n/a | Load to 500W |
| AMC Load Card | single module, full size | Yes | n/a | 0-70W Options |
| Power Interface Boards - 3U | 3U x 1.54in, 3U x 3.13in | n/a | n/a | (1 or 2) 47-Pin Connectors |
| Power Interface Boards - 6U | 6U x 1.54in, 6U x 3.13in | n/a | n/a | (1 or 2) 47-Pin Connectors |
| VPX Serdes Test Module | 6U x 220mm | Yes | n/a | Signal Testing |
| AMC Serdes Test Module | single module, full size | Yes | n/a | Signal Testing |

OTHER PRODUCTS

| | | | |
|------------------|---------------|----------------|------------------|
| Voltage Monitors | Jumper Boards | ISA Backplanes | cPCI Bridge |
| System Monitors | Enclosures | Busbar Kits | PCI-X Backplanes |

** Custom configurations of all of the backplanes above are available. Contact Elma Bustronic for slot sizes and other styles that are not listed. **