## **Ordering Options**

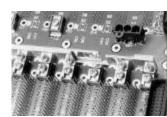
# Monolithic J1/J2 Backplane Specifications

Four configurations for power connectors: Power Bugs ("P" Series). Mate-N-Lock ("M" Series), combination of Mate-N-Lock and Power Bugs ("S" Series) and no connectors.

I/O mounting area adjacent to J1 connectors: with goldplated, double-tailed (accessible from both sides of backplane) wire-wrap pins installed at factory, or with no pins installed.

Decoupling capacitors: factory-installed at power to ground positions only, at ground to chassis positions only, at both power to ground and ground to chassis positions, or with no pins installed.

#### **BUS BAR**



BB21S (or 1600041 type kit) mounts with power bug hardware

#### Layer Designation

Power	Layer 1	2oz.
Ground	Layer 2	1 oz
Signal	Layer 3	1 oz.
Ground	Layer 4	1 oz.
Signal	Layer 5	1 oz.
Ground	Layer 6	1 oz.
	Layer 7	1 oz
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#### **Specifications**

Data Transfer Rate: Cross Talk:

Signal to Signal:

Power to Signal Delay:

Overshoot: Voltage Rating:

Altitude Rating: Operating Temperature:

Connector Type:

Housing Material:

Up to 40 Mbytes/Sec.

180mV due to six closest lines in simultaneous

transition using AS type drivers

4 mV per volt of power plane noise 25 ns (AS type driver to AS type receiver)

260 mV max 100 Volts 10,000 feet 0º - 60°C

Press-fit DIN 41612 Class II

Thermoplastic polyester 94V-O UL rated

Insertion Force: 36 pounds typical (3.0 oz. per pin) Withdrawal Force: 24 pounds typical (2.0 oz. per pin)

#### **Power Rating**

Voltage	Per Slot Rating @ 25°C to 60°C		
+5V	9.0 Amps	6A	
+12V	1.5 Amps	1A	
-12V	1.5 Amps	1A	

Part No.	Slots	Width	Length
VMEBP3P00	3	10.32" (262,13mm)	2.34 (59.44mm)
VMEBP5P00	5	10.32" (262,13mm)	3.94" (100mm)
VMEBP10P00	10	10.32" (262,13mm)	7.94" (201.78mm)
VMEBP12P00	12	10.32" (262,13mm)	9.54" (242.4mm)
VMEBP14P00	14	10.32" (262,13mm)	11.14" (282mm)
VMEBP16P00	16	10.32" (262,13mm)	12.61" (320.3mm)
VMEBP17P00	17	10.32" (262,13mm)	13.40: (340.4mm)
VMEBP20P00	20	10.32" (262,13mm)	15.94" (404mm)
VMEBP21P00	21	10.32" (262,13mm)	16.74" (425.3mm)

### VME Monolithic J1/J2 Backplane **Ordering Information**

#### VME BP 10 No. of Slots 03 = 3-slot VME J1 and J2 05 = 5-slot VME J1 and J2 07 = 7-slot VME J1 and J2 12 = 12-slot VME J1 and J2 0 = No Caps 14 = 14-slot VME J1 and J2 17 = 17-slot VME J1 and J2 20 = 20-slot VMF .I1 and .I2 21 = 21-slot VME J1 and J2 **Connector Options** - = Standard A = Auto Bus Grant **Power Connectors** O = No Connectors M = Mate-N-Lok P = Power Bugs S = Mate-N-Lok & Power

#### Capacitors

- 1 = Caps installed at power to ground positions only
- 2 = Caps installed at ground to chassis positions only
- 3 = Caps installed at both power & ground positions

Accessories	
Part Number	Description
<b>Shroud</b> 79900004 (white) 79900003 (black)	Shroud for Din connector. Optional for adding J2 connector. (Shrouds installed on first and last connector only)
Power Bug Number 78510002	Power Bug and #6-32 Screw (SC06032#)
CA-3UM	Cable, pre-made for 3-pin Mate-N-Lok connector. Contains 36" of 14 ga. wire and mating connector.
CA-4UM	Cable, pre-made for 4-pin Mate-N-Lok connector. Contains 48" of 14 ga. wire and mating connector.
Bus Bar BBXXS	Insert number of slots - Example: BB21S

Bugs

Pins for I/O to J2 O = No pins 1 = Pins installed