Ordering Options

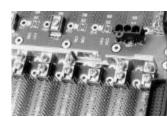
Monolithic J1/J2 Backplane Specifications

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
Shroud 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