16

Backplanes

Monolithic J1/J2 Backplane Specifications

Ordering Options

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.

Up to 40 Mbytes/Sec.

Specifications

Backplanes

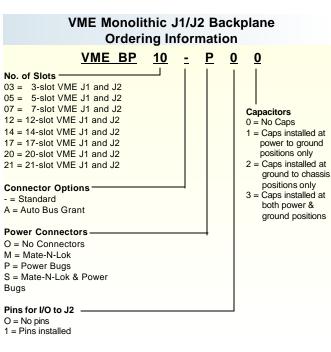
Data Transfer Rate: Cross Talk: Signal to Signal:

Power to Signal Delay: Overshoot: Voltage Rating: Altitude Rating: Operating Temperature: Connector Type: Housing Material:

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 - 60ºC Press-fit DIN 41612 Class II Thermoplastic polyester 94V-O UL rated 36 pounds typical (3.0 oz. per pin)

24 pounds typical (2.0 oz. per pin)

Insertion Force: Withdrawal Force:



BUS	BAR

mounts with power bug hardware



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BB21S (or 1600041 type kit)	0:

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Power	Layer 1		2oz.
Ground	Layer 2		1 oz.
Signal	Layer 3		1 oz.
Ground	Layer 4		1 oz.
<u>Signal</u>	Layer 5		1 oz.
Ground	Layer 6		1 oz.
Signal	Layer 7	. <u></u>	1 oz.
Ground	Layer 8		2 oz.

Power Rating

Voltage	Per Slot Rating	
-	@ 25°C t	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)

Accessories	
Part Number	Description
Shroud 79900004 (white) 79900003 (black)	Shroud for Din connector. Optional for adding J2 con- nector. (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 BB <u>XX</u> S	Insert number of slots - Example: BB21S