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TECHNOLOGY GROUP

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(217) 352-9330 | sales@artisantg.com | artisantg.com

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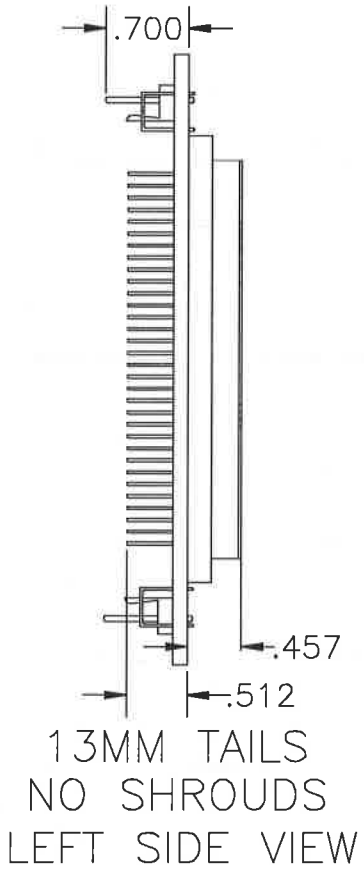
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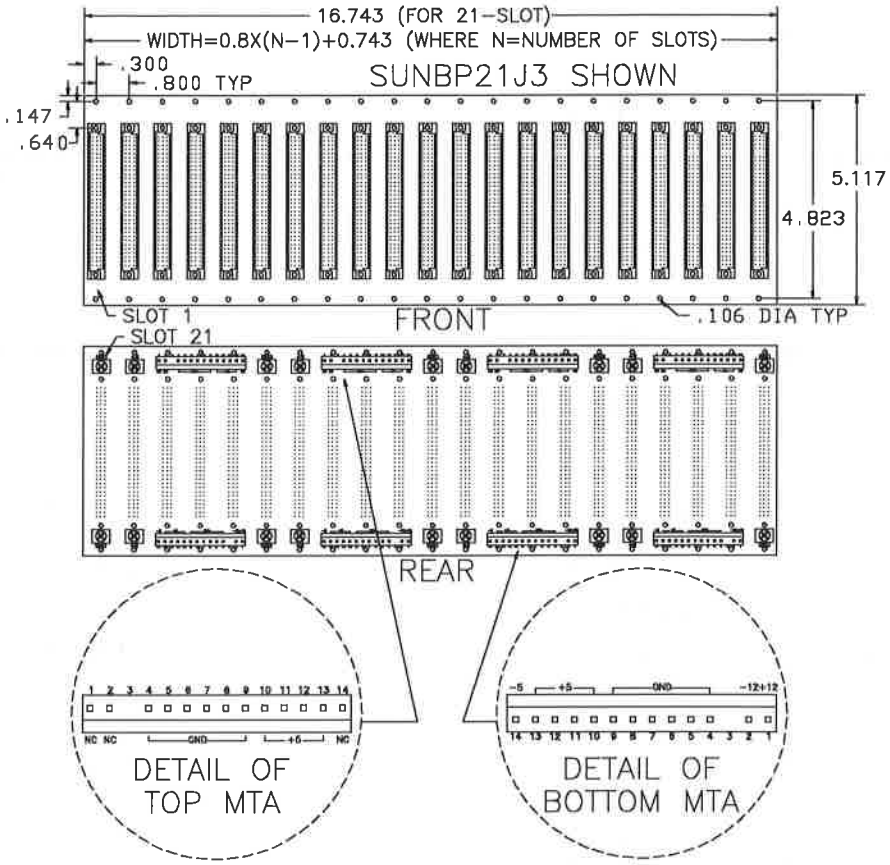
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Find the *Zoltech SUNBP05J3* at our website: *Click HERE*





Dawn VME Products®

FEATURES

- **DIN class 2 connectors are standard**
- **All B-row signals are uncommitted**
- **Power and Ground are committed in accordance with the SUNbus™ J3**
- **Exterior solid copper is ideal for signal impedance reference**
- **High power feed per slot**
- **Very high performance**

DESCRIPTION

The SUNBPXXJ3 backplanes are physically the same size as standard VMEbus 3U backplanes. Slots are on .8 inch centers. The SUNBPXXJ3 backplanes will mount to any Eurocard chassis. Mounting holes are provided on .8 inch centers.

These backplanes were designed to be used in applications where high power distribution is desired, and where user control of the signal pin-out is desired. The SUNBPXXJ3 backplane may be stacked or intermixed with Dawn's VMEbus or other bus configurations to create 6U, 9U, or larger size systems

Power feed into the backplane is provided by power bugs and/or MTA156 style 14-position connectors. The user can connect to the power bugs with #6 ring terminals and a 6-32x1/4 inch screw. The user-provided mating connector to the MTA is AMP™ part number 1-640426-4 or Dawn order number 21-1000336.

The SUNBPXXJ3 backplanes are fabricated as a 2-layer, 1/8 inch thick printed wiring board for high rigidity and structural integrity. The power bug placement on the backplanes matches Dawn's standard line of VMEbus backplanes. This allows use of Dawn's bus bars to inter-connect power bugs of multiple backplanes, for a single point, high current feed.

Bussing of B-row signals can be accomplished easily using Dawn's SUNXXJ3 overlays. Consult the factory for details.

SPECIFICATIONS

Physical

Size

Height: 5.117 inches

Width: 0.8x(n-1)+0.743 inches, where n=number of slots. Example: 21 slots=16.743 inches

Weight: 2.01 pounds (21 slots)

Electrical

DC Characteristics

Power Feed Into Backplane: (Max @ 40°C)
25 A per bug
7.5 A per MTA pin

Maximum Power Sourced at any slot: (Max @ 40°C)
+5 @ 50 A
-5 @ 12 A
+12 @ 8 A
-12 @ 8 A

Environmental

Operating Temperature: -65 to 105°C

Humidity: <95% non-condensing

Reliability

MTBF: >1,500,000 hours MIL-HDBK-217

AMP is a registered trademark of AMP Incorporated
SUNbus is a registered trademark of Sun Microsystems, Incorporated, licensed solely to Dawn VME Products

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Product Information

SUNBPXXJ3

PIN ASSIGNMENTS FOR THE SUN P3 J3 CONNECTOR/BACKPLANE			
PIN/ROW	A	B	C
1	VCC	SUN-DEFINED	GND
2	VCC	SUN-DEFINED	GND
3	VCC	SUN-DEFINED	GND
4	VCC	SUN-DEFINED	GND
5	VCC	SUN-DEFINED	GND
6	VCC	SUN-DEFINED	GND
7	VCC	SUN-DEFINED	GND
8	VCC	SUN-DEFINED	GND
9	VCC	SUN-DEFINED	GND
10	VCC	SUN-DEFINED	GND
11	VCC	SUN-DEFINED	GND
12	VCC	SUN-DEFINED	GND
13	VCC	SUN-DEFINED	GND
14	VCC	SUN-DEFINED	GND
15	VCC	SUN-DEFINED	GND
16	VCC	SUN-DEFINED	GND
17	VCC	SUN-DEFINED	GND
18	VCC	SUN-DEFINED	GND
19	VCC	SUN-DEFINED	GND
20	VCC	SUN-DEFINED	GND
21	VCC	SUN-DEFINED	GND
22	VCC	SUN-DEFINED	GND
23	VCC	SUN-DEFINED	GND
24	VCC	SUN-DEFINED	GND
25	VCC	SUN-DEFINED	GND
26	+12V	SUN-DEFINED	+12V
27	+12V	SUN-DEFINED	+12V
28	-12V	SUN-DEFINED	-12V
29	-12V	SUN-DEFINED	-12V
30	VEE	SUN-DEFINED	VEE
31	VEE	SUN-DEFINED	VEE
32	VEE	SUN-DEFINED	VEE

VCC=+5V VEE=5.2V GND=0V

SIZE	MODEL NUMBER	ORDER NUMBER
3U X 3 SLOTS	SUNBP03J3	06-1000172-XX
3U X 4 SLOTS	SUNBP04J3	06-1000174-XX
3U X 5 SLOTS	SUNBP05J3	06-1000176-XX
3U X 6 SLOTS	SUNBP06J3	06-1000034-XX
3U X 7 SLOTS	SUNBP07J3	06-1000045-XX
3U X 8 SLOTS	SUNBP08J3	06-1000039-XX
3U X 9 SLOTS	SUNBP09J3	06-1000034-XX
3U X 10 SLOTS	SUNBP10J3	06-1000176-XX
3U X 11 SLOTS	SUNBP11J3	06-1002659-XX
3U X 12 SLOTS	SUNBP12J3	06-1000047-XX
3U X 13 SLOTS	SUNBP13J3	06-10002660-XX
3U X 14 SLOTS	SUNBP14J3	06-1002661-XX
3U X 15 SLOTS	SUNBP15J3	06-1000049-XX
3U X 16 SLOTS	SUNBP16J3	06-1001158-XX
3U X 17 SLOTS	SUNBP17J3	06-1002662-XX
3U X 18 SLOTS	SUNBP18J3	06-1002663-XX
3U X 19 SLOTS	SUNBP19J3	06-1002664-XX
3U X 20 SLOTS	SUNBP20J3	06-1002665-XX
3U X 21 SLOTS	SUNBP21J3	06-1000042-XX

CONNECTOR OPTIONS:

	-XX
13MM	NO DASH
13MM and shrouds	-02
17MM	-03
17MM and shrouds	-04
5MM	-05

POWER CONNECTION CONFIGURATION

BACKPLANE SLOT NUMBER

BACKPLANE SIZE (NUMBER OF SLOTS)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
3	MTA																				
4	G	MTA																			
5	G	MTA			5																
6	G	MTA			5	G															
7	5	G	MTA			5	G														
8	MTA			5	G	MTA															
9	G	MTA			5	G	MTA														
10	G	MTA			5	G	MTA			5											
11	G	MTA			5	G	MTA			5	G										
12	5	G	MTA			5	G	MTA			5	G									
13	MTA			5	G	MTA			5	G	MTA										
14	G	MTA			5	G	MTA			5	G	MTA									
15	G	MTA			5	G	MTA			5	G	MTA			5						
16	G	MTA			5	G	MTA			5	G	MTA			5	G					
17	5	G	MTA			5	G	MTA			5	G	MTA			5	G				
18	MTA			5	G	MTA			5	G	MTA			5	G	MTA					
19	G	MTA			5	G	MTA			5	G	MTA			5	G	MTA				
20	G	MTA			5	G	MTA			5	G	MTA			5	G	MTA			5	
21	G	MTA			5	G	MTA			5	G	MTA			5	G	MTA			5	G

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