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TECHNOLOGY GROUP

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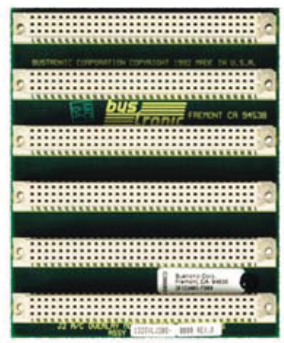
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Find the *Elma / Bustronic 1340VLJ206* at our website: *Click HERE*

J2, J2 VSB, J3 VME OVERLAY MODULES

ELMA
Your Solution Partner



Features

- 4-layer controlled impedance stripline design
- Minimum width permits use of several overlays on one backplane
- Replaces wirewrap or ribbon cable assembly
- Virtually zero crosstalk

Board Specifications

- 4-layer board
- 2 oz. copper power and ground
- PCB FR-4 or equivalent
- PCB .157" thick
- PCB Material: Nelco 4000-13SI

Mechanical Specifications

- 3U height
- 2-6 Slots

Description

In three forms, VSB, J2-rows A+C, and J3-row B. The J2 overlay module is used to upgrade an existing VMEbus J2 backplane to include the pinouts needed to implement signal bussing of the A and C rows of the connector. Modules can be plugged into the pin side of the host backplane. All row A and C pins are bussed. Each module's high performance (40MHz) can be attributed to its stripline, controlled impedance design.

Several overlay modules can be stacked on the host backplane. Their ends can be stacked in any direction. All of these features make the backplane overlay module far more convenient and effective than wire wraps and ribbon cables. The standard type module uses flush tail DIN connectors.

The J3 overlay module is used to upgrade an existing VMEbus J3 backplane to include the pinouts needed to implement signal bussing of the B row of the connector. Modules can be plugged into the pin side of the host backplane. All row B pins are bussed. Each module's high performance (40MHz) can be attributed to its stripline, controlled impedance design.

The VSB overlay is an entirely dedicated multilayer system designed in accordance with VSB specification C. Overlays are installed on the pin or reverse side of the VMEbus J2 backplanes. With VSBbus, all A and C row pins are bussed with the exception of the BGIN*/BGOUT* daisy chain that runs between pins A31 and C32, the GA0-GA2 geographical address bits that exist on pins A28, A29, and A30, and additional ground pins as assigned by the specification.

Related Products from Elma Electronic:

- System Platforms – need a chassis for your backplane?
- VME Embedded Computing Products – SBCs, Switches, Storage, and More





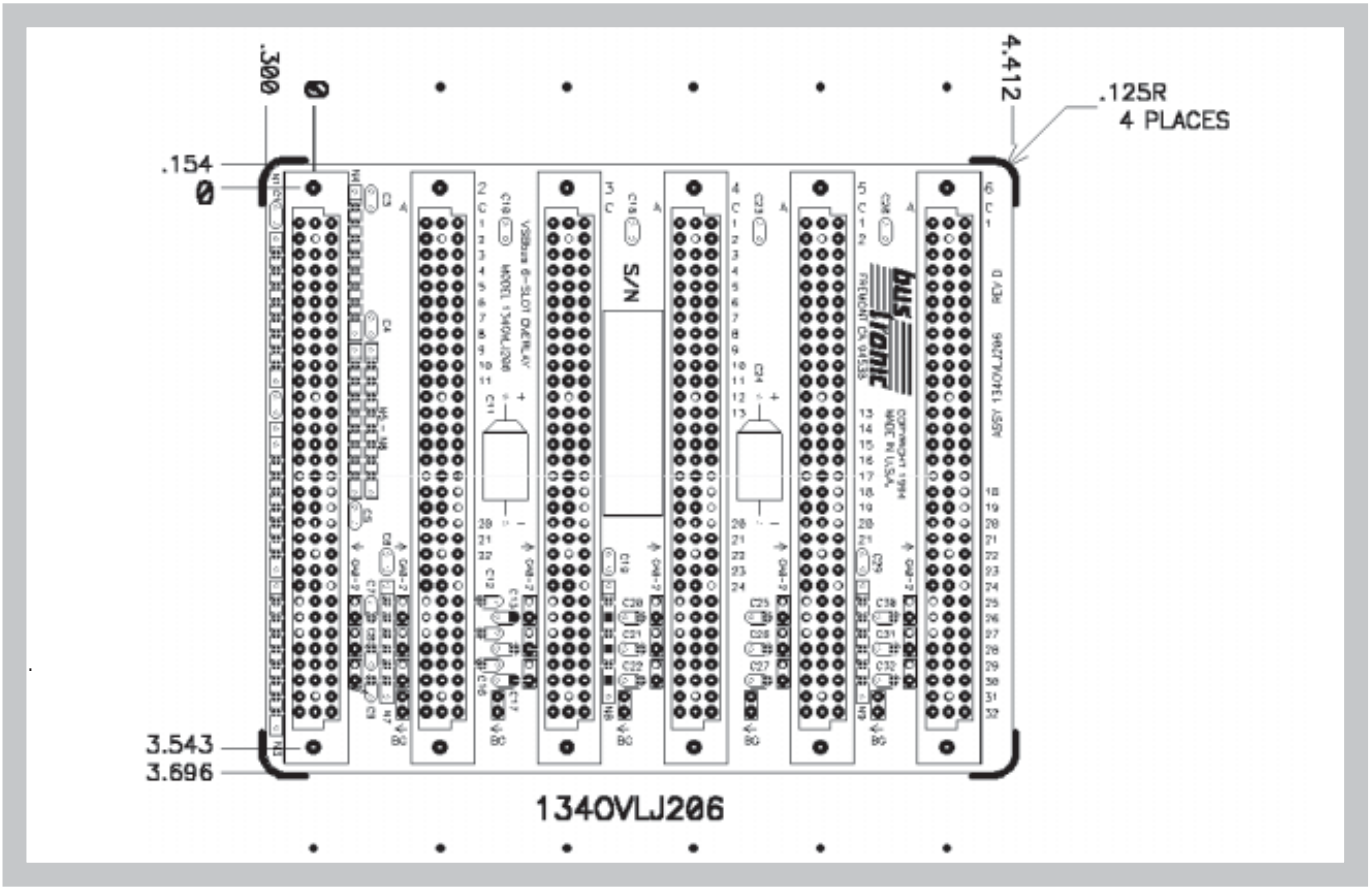
Did you know we also offer with this VME backplane:

- VME test & form factor extenders, load boards, RTMs, and overlays
- Thermal or backplane simulation/test, paint/silkscreen, customization, integration

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J2, J2 VSB, J3 VME OVERLAY MODULES

Line Drawing



Order Information

Slots	Height		Width		Part Number		
	in	mm	in	mm	J2 Rows A+C Overlay	J2 VSB Overlay	J3 Row B Overlay
2	3.850	99.790	1.400	35.560	132OVLJ202	134OVLJ202	132OVLJ302
3	3.850	99.790	2.200	55.880	132OVLJ203	134OVLJ203	132OVLJ303
4	3.850	99.790	3.000	76.200	132OVLJ204	134OVLJ204	132OVLJ304
5	3.850	99.790	3.800	96.520	132OVLJ205	134OVLJ205	132OVLJ305
6	3.850	99.790	4.600	116.840	132OVLJ206	134OVLJ206	132OVLJ306

PRODUCT CONFIGURATIONS

J2, J2 VSB J3 VME Overlay Modules

(Example: 132OVLJ206-0001)

13	Product	Form	Specifier	Slots	-_ _ _ _ _Configuration

Product
2 = SUN
4 = VSB

Form
OVLJ = Bus overlay module

Specifier
J1 = J1
J2 = J2
J3 = J3

02-21 = Slots

Configuration

J1 Connector Tail Length is Applicable
0 = 13mm, 96 pin connector & shroud 1st & last slots, 6mm all else
1 = 17mm, 96 pin connector & shroud 1st & last slots, 6mm all else
2 = 6mm, 96 pin connector all slots
3 = 13mm, 96 pin connector & shroud all slots
4 = 17mm, 96 pin connector & shroud all slots
5 = 6mm 160 pin VME64x connector & shroud all slots
X = Not applicable

J2 Connector Tail Length if Applicable
0 = 13mm, 96 pin connector & shroud 1st & last slots, 6mm all else
1 = 17mm, 96 pin connector & shroud 1st & last slots, 6mm all else
2 = 6mm, 96 pin connector all slots
3 = 13mm, 96 pin connector & shroud all slots
4 = 17mm, 96 pin connector & shroud all slots
5 = 6mm 160 pin VME64x connector & shroud all slots
X = Not applicable

J3 Connector Tail Length if Applicable
0 = 13mm, 96 pin connector & shroud 1st & last slots, 6mm all else
1 = 17mm, 96 pin connector & shroud 1st & last slots, 6mm all else
2 = 6mm, 96 pin connector all slots
3 = 13mm, 96 pin connector & shroud all slots
4 = 17mm, 96 pin connector & shroud all slots
5 = 6mm 160 pin VME64x connector & shroud all slots
X = Not applicable

On-Board Termination
0 = Yes
1 = No

Common Configuration Examples

-0000 -0001

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