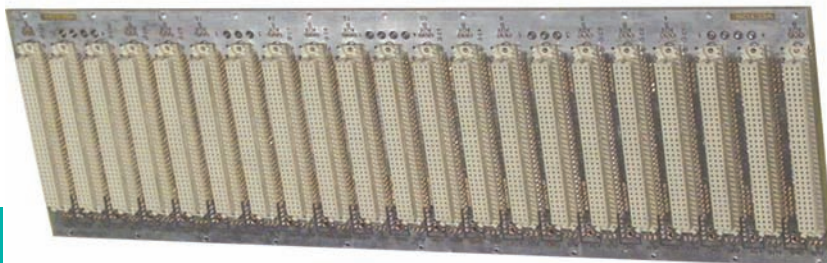




Vectorbord® Backplanes Uncommitted

UNIVERSAL UNCOMMITTED BACKPLANES, 96-Pin

Backplanes



Model UM21A3U-20 Universal (uncommitted) 3U backplane

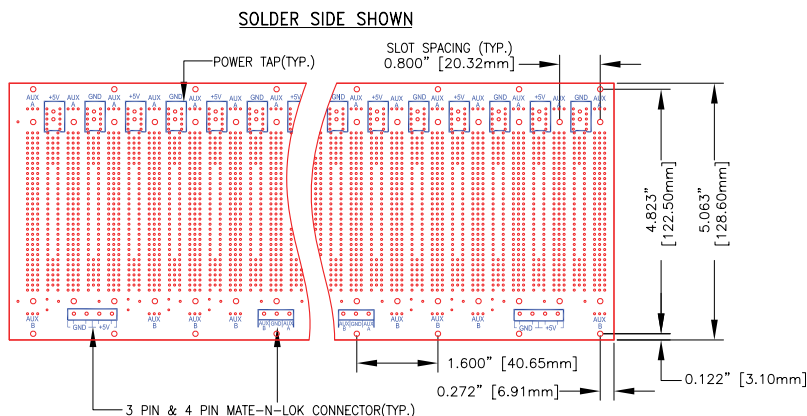
3U Backplanes with 4 Layer Construction

Universal (uncommitted) multilayer backplanes are designed for unique one of a kind applications requiring custom wiring, or for custom development work. They use 96-pin (press-fit type) connectors and conform to DIN 41612, they have three-level wire-wrap length pins on all connector leads. None of the pin positions are committed to power, ground or signal use; your application will dictate these pin assignments.

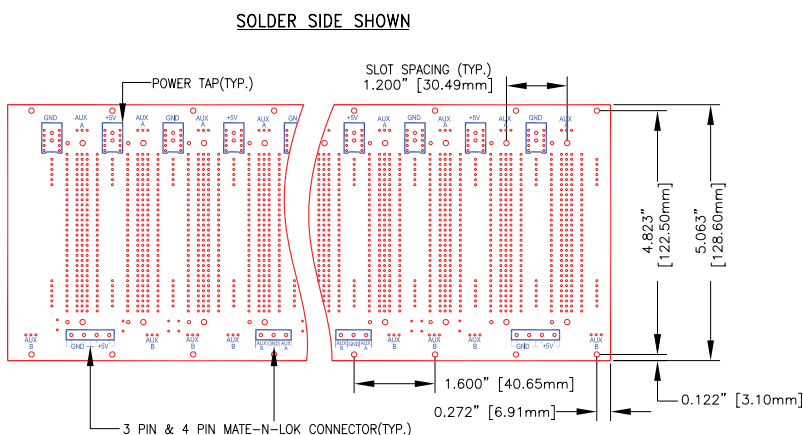
These backplanes are designed for maximum utility by incorporating two parallel rows of ground pins (32 pins per row) for each connector slot and two segment of power pins on one row of 6 pins each (total of 12) for +5V (or main voltage) power pins. Two additional voltage levels may be distributed to the board (as AUX A & AUX B) with these power pins conveniently distributed over the board. Power input by means of power bugs and/or Mate-N-Lock connectors are available.

Features Include:

- High performance wire-wrap interconnection
- 3U size can combine into 6U or 9U
- Connector spacing of 4HP (0.8") or 6HP (1.2")
- Handles large power requirements (3 oz. copper planes)
- Wide choice of accessories for interconnection



Dwg. A: 3U version with .8" connector spacing.
Available with 1.2" spacing.



Dwg. B: 3U with 1.2" connector spacing. Available
with .8" spacing in 3U. 3U can combine to 6U or 9U.



Backplane Mounting Hardware

Each Set includes:
M2.5 X 12MM Screw
#3 Lockwasher
M2.5 (DIN#125) Flat Washer
HD56-1 42 sets
HD56 12 sets



4 Layer Construction

- Layer 1: Chassis Ground (component side), full coverage on component side; also available on solder side, isolated from circuit ground.
- Layer 2: One or two auxiliary voltages (AUX A and AUX B) can be delivered through Mate-N-Lock connectors; AUX A and AUX B (typically +12V and -12V) accessible through gold-plated wrap power pick-ups - three each at most slot positions.
- Layer 3: Source power is delivered through Mate-N-Lock connectors and/or Power Bug connectors on solder side; +5V is accessible through gold-plated, wire-wrap power pick-up pins - 12 pins available at each slot position.
- Layer 4: Circuit ground (solder side) can be dedicated to chassis ground using pins and solder washers (supplied with backplanes); and is accessible at any pin position and through Mate-N-Lock and Power Bug connectors.
- Full Power Planes - four independent power layers, one can be split between AUX A and AUX B - low impedance power distribution.

GROUND LAYER 1 30z

INSULATION

AUX PWR LAYER 2 1oz

INSULATION

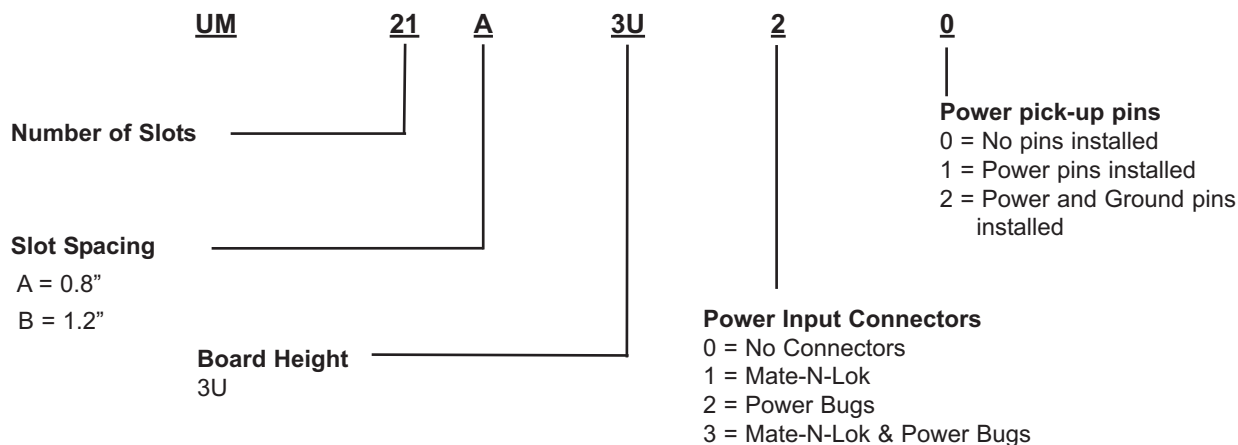
POWER	LAYER 3	10z
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INSULATION

GROUND LAYER 4 30z

Backplanes

Uncommitted Backplane Ordering Table



Mating connectors and crimp pins included.

Two 3U Vectorbord®
Uncommitted Backplanes
installed in 6U DIN Subrack



Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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