

VME 64x 6U 166 Series

Hartmann Electronic is an industry leader in the designing, manufacturing and production of backplane technology, including VME and VME64x. Over the evolution of its near 40 years of existence, VME-bus has become a worldwide standard and is still used in a wide variety of applications across many different markets. Hartmann's innovation in cost effective design benefits customers in diverse industries including military, transportation, medical imaging, telecom, industrial controls, and aerospace.

The 6U 166 Series boasts a variety of configurations to fit a complex array of needs. From 2 to 21 slots, optional active or passive termination, there is an option for every need. Talk to a Hartmann representative today to see which configuration will work for you!

Additional Information	
Form Factor	6U
Slots	10, 12, 14, 16, 19, 2, 20, 21, 3, 4, 5, 6, 7, 8, 9
Slot Pitch	4HP (20.32 mm)
Power Consumption, Both Ends Terminated	Active: < 0.1A, Passive: < 1.6A
Daisy Chaining/Bus Grant	Electronic automatic (OR gate), Manual (jumper or wire wrap, on request)
Live Insertion	Series 167
Power Supply Connection	Terminal bar / screw terminal M6
Permissible Current Load	200A
Permissible Current Load/Faston	10A
Permissible Current Load of Combined Double Spade/ Screw Connection	25A
Permissible Current Load Per Slot	+3.3V 12.5A, +5V 9.0A, +12V 1.5A, -12V 1.5A, +5V Standby 1.5A, +48V (38-75V) 3.0A
Termination ON/IN Board	Active, Passive
PCB Design	Optimized for best HF behavior
Base Specification	ANSI/VITA 1.1-1997
Base Material	Type FR-4
Ohmic Resistance	< 1.5 Ohm
Surge Impedance Z of Signal Lines	60 Ohm
Chassis GND	Continuous chassis GND surface where backplane is mounted to rack., HF coupling of rack and system ground implemented by capacitors (10nF, 200V each slot). Chassis ground combination M6 screw / Faston 6.3 x .8 mm
Card Thickness	4.3 mm (.17")
Connectors	160 pin, P0 95 pin, 2 mm press-fit, quality grade 2
Operating Temperature	Active: 0°C ... +70°C, Passive: -40°C ... +85°C
Relative Humidity	90%, non-condensing

PART NO.	HEIGHT	DESCRIPTION	TERMINATION ON/IN BOARD	DAISY CHAINING/BUS GRANT	DATASHEET
B1664_ _ A7D	6U	J1/J0/J2	Active	Electronic automatic (OR gate)	NA
B1664_ _ P7D	6U	J1/J0/J2	Passive	Electronic automatic (OR gate)	NA
B1664_ _ A8D	6U	J1/J2	Active	Electronic automatic (OR gate)	NA
B1664_ _ P8D	6U	J1/J2	Passive	Electronic automatic (OR gate)	NA
B1664_ _ A7B	6U	J1/J0/J2	Active	Manual (jumper or wire wrap, on request)	NA
B1664_ _ A8B	6U	J1/J2	Active	Manual (jumper or wire wrap, on request)	NA

_ _ = Number of slots

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