



GENERAL DESCRIPTION

The standard vertical card edge connectors are specifically designed to implement PCI Express technology for desktop PCs and server systems. These connectors allow the end user to upgrade the PC with an "add on graphics card". Therefore complete range is available to support basic speed x1 to high-speed x16 bandwidth requirements.

The connectors are available in 36(x1), 64(x4), 98(x8) and 164(x16) contact positions, all in a 1.00mm pitch. Therefore each range can support different bandwidth requirements for an "add on" graphics card.

These connectors are ideal for use in a broad range of computing/data communication applications, including desktop PCs, Servers and Workstations.

All connectors support PCI Express signal and Power requirements as well as the interface between system board and the add on card specification.

FEATURES/BENEFITS

- Different tail (contact) length (2.3mm or 3.00mm) available to support differing motherboard thickness.
- Tails are offset to form 4 rows on a 2.00mm pitch, thus making wave soldering easier.
- All connectors come with locating bosses to help align the connector to PCB (motherboard).
- Raised ridge at the topside of the connector, which can be used to lock/retain the graphic card.
- Molded polarization key prevents improper insertion of the PCB.
- Connectors have slots to accept "add in" cards with thickness of 1.58mm (0.062in).
- Conforms to PCI Express specification on connectors.
- · Available in black or white color.

TECNICAL SPECIFICATIONS

Contact Resistance: 30 milliohm, maximum
Contact Material: Phosphor Bronze
Contact Plating: See table below
Insulator Material: 30% Glass Filled Nylon
Insulation Resistance: 100 Megaohms 50 50V AC

Plating Table

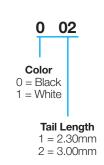
Code	Contact Area	Terminal Area
1	15µm AuNi	Tin/Lead
6	15µm AuNi	Tin (Lead Free)

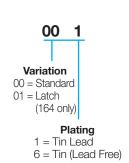
APPLICATIONS

- Desktop PCs
- Servers
- Work Stations
- Factory Automation Systems

HOW TO ORDER



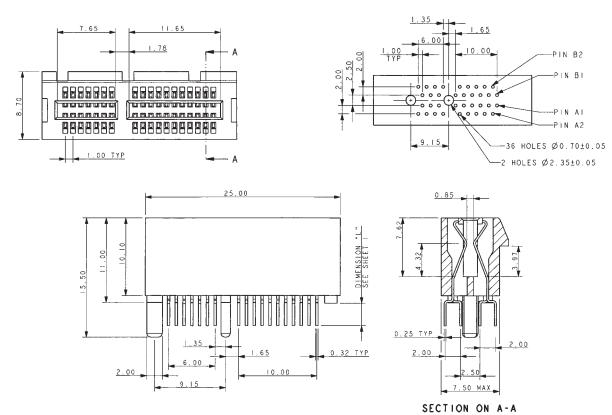




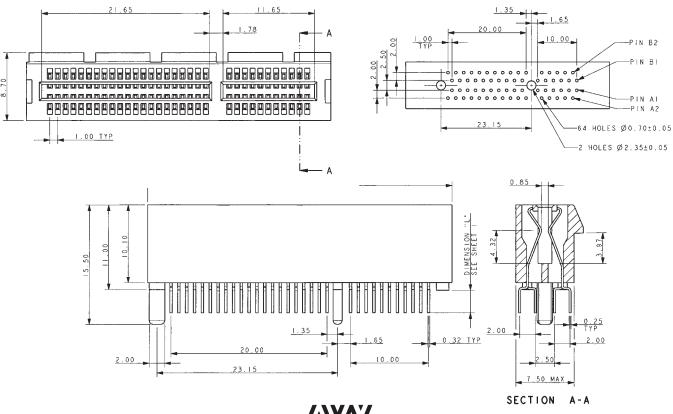




36 WAY CONNECTOR

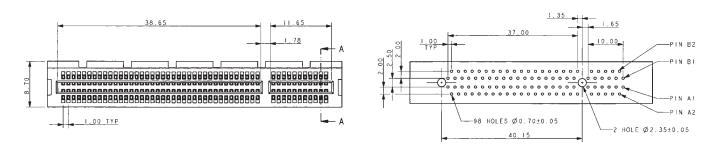


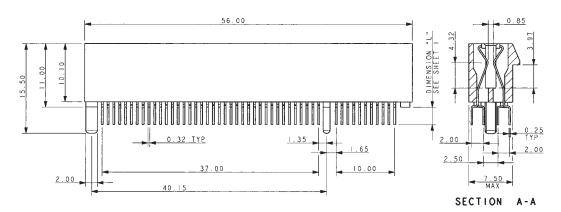
64 WAY CONNECTOR



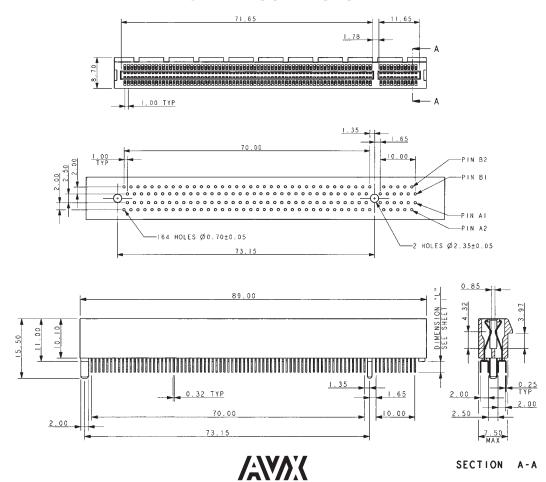


98 WAY CONNECTOR



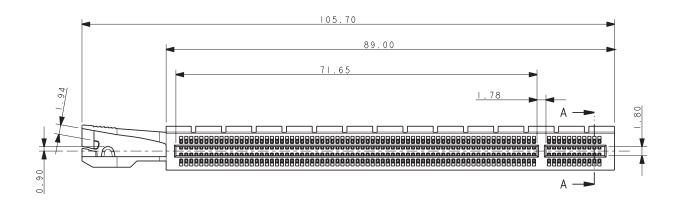


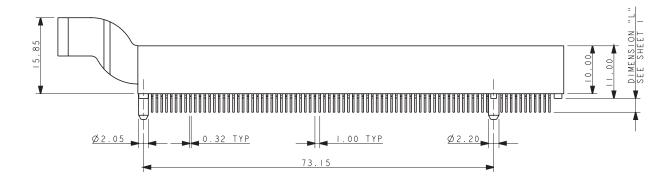
164 WAY CONNECTOR

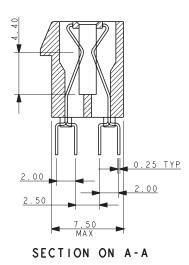




164 WAY CONNECTOR WITH LATCH

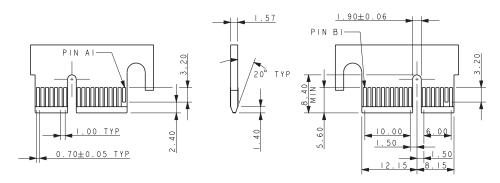




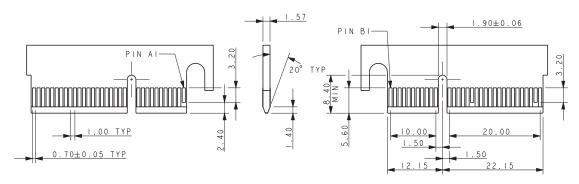




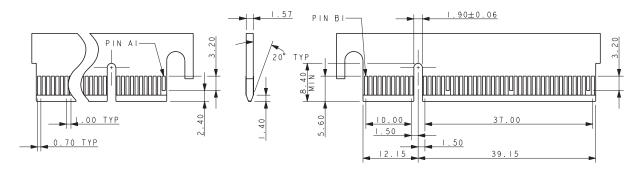
SUGGESTED PCB LAYOUT - PCB EDGE 36 WAY CONNECTOR



64 WAY CONNECTOR

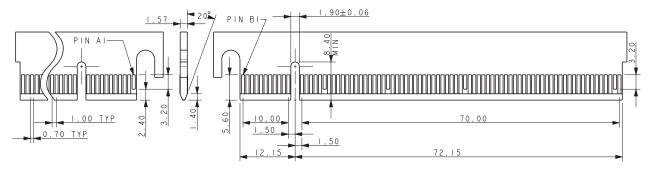


98 WAY CONNECTOR



164 WAY CONNECTOR

(EDGE PROFILE OF PCB AS CENTER VIEW FOR 36 WAY CONNECTOR)



USA

AVX Myrtle Beach, SC Corporate Offices

> Tel: 843-448-9411 FAX: 843-448-1943

AVX Northwest, WA

Tel: 360-699-8746 FAX: 360-699-8751 AVX North Central, IN

Tel: 317-848-7153 FAX: 317-844-9314

AVX Mid/Pacific, CA

Tel: 510-661-4100 FAX: 510-661-4101 **AVX Southwest, AZ**

Tel: 602-678-0384 FAX: 602-678-0385

AVX South Central, TX

Tel: 972-669-1223 FAX: 972-669-2090 **AVX Southeast, GA**

Tel: 404-608-8151 FAX: 770-972-0766

AVX Canada

Tel: 905-238-3151 FAX: 905-238-0319

EUROPE

AVX Limited, England European Headquarters

Tel: ++44 (0) 1252-770000 FAX: ++44 (0) 1252-770001

AVX/ELCO, England

Tel: ++44 (0) 1638-675000 FAX: ++44 (0) 1638-675002

AVX S.A., France

Tel: ++33 (1) 69-18-46-00 FAX: ++33 (1) 69-28-73-87

AVX GmbH, Germany

Tel: ++49 (0) 8131-9004-0 FAX: ++49 (0) 8131-9004-44 AVX srl, Italy

Tel: ++390 (0)2 614-571 FAX: ++390 (0)2 614-2576

AVX Czech Republic

Tel: ++420 465-358-111 FAX: ++420 465-323-010

ASIA-PACIFIC

AVX/Kyocera, Singapore Asia-Pacific Headquarters

> Tel: (65) 6286-7555 FAX: (65) 6488-9880

AVX/Kyocera, Hong Kong

Tel: (852) 2-363-3303 FAX: (852) 2-765-8185

AVX/Kyocera, Korea

Tel: (82) 2-785-6504 FAX: (82) 2-784-5411 AVX/Kyocera, Taiwan

Tel: (886) 2-2698-8778 FAX: (886) 2-2698-8777

AVX/Kyocera, Malaysia

Tel: (60) 4-228-1190 FAX: (60) 4-228-1196

Elco, Japan

Tel: 045-943-2906/7 FAX: 045-943-2910

Kyocera, Japan - AVX

Tel: (81) 75-604-3426 FAX: (81) 75-604-3425 Kyocera, Japan - KDP

Tel: (81) 75-604-3424 FAX: (81) 75-604-3425

AVX/Kyocera, Shanghai, China

Tel: 86-21 6341 0300 FAX: 86-21 6341 0330

AVX/Kyocera, Tianjin, China

Tel: 86-22 2576 0098 FAX: 86-22 2576 0096

Contact:



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