

321 7577
321 7589**Thomas & Betts**

Slot 1 & AGP Connector

CONNECTOR SYSTEMS

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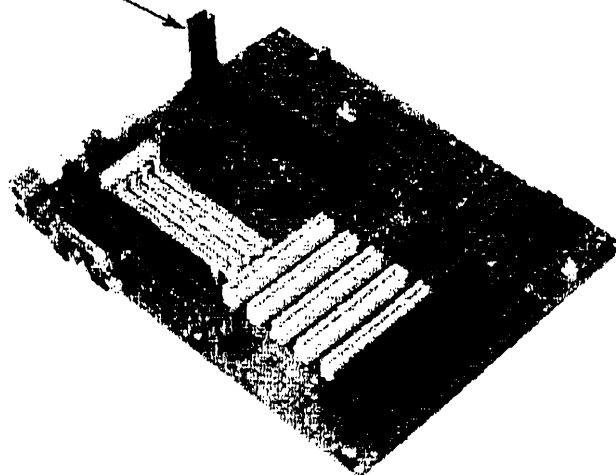
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OVERVIEW

As a leading supplier to the computer industry, Thomas & Betts' products provide an essential link between all levels of packaging hierarchy. Our products address the increasing demand for lower cost components and enable the development of more desirable and profitable computer systems and peripherals.

One of the goals at Thomas & Betts is to recognize the driving forces that impact our customers and to provide the products they need to stay competitive. For instance, laptops and PDAs require more processing power, must be lighter in weight and smaller in profile, yet have a large display area and longer battery life. Desktop PCs and workstations require faster processing power, increased bandwidth and expanded peripherals for storage and multi-media applications to meet these and other challenges of the computer industry.

Slot 1/AGP



Thomas & Betts

Slot 1 & AGP Connector

DESCRIPTION/APPLICATION

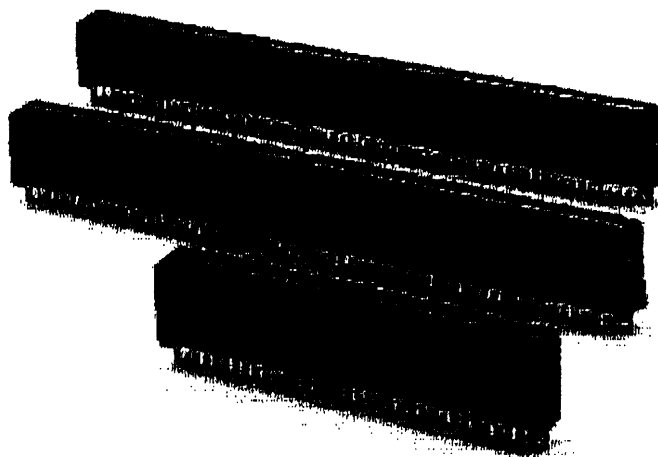
The Thomas & Betts Slot 1 and AGP connectors are Intel® approved for use with all Pentium II® based computers, servers and workstations.

These connectors are ideally suited where flexibility is required for new cards to future processors. Made from a high temperature thermoplastic, the Slot 1 and AGP connectors are compatible with surface mount soldering processes.

DESIGN ADVANTAGES

- Precious metal plating in the contact mating area for increased reliability and high mating cycles.
- Available with metal clips for secure locking on PC board.
- Generous lead-in chamfers for ease of card insertion.
- High temperature insulator suitable for reflow soldering processes and temperatures.
- Staggered contact design to reduce card insertion force.
- Generous contact lead-in geometry to eliminate card/contact stubbing.
- CSA and UL certified.

SLOT 1 & AGP CONNECTORS AND CARTRIDGE ASSEMBLY



T&B Slot 1 and AGP connectors have been tested and approved by Intel® and independent labs for use with the Intel® Pentium II® processor



LR49571



E60960

THE INDICATED TRADEMARKS ARE OWNED BY THE RESPECTIVE COMPANIES

Thomas & Betts Electronics/OEM Division Tel: 901-252-5000 Fax: 901-252-1312

Thomas & Betts

Slot 1 & AGP Connector

SLOT 1



LR49571



E60880



PHYSICAL PROPERTIES

Insulator Material: Glass-filled High-temperature thermoplastic; UL94V-0 rated

Color: Dark Brown

Contact Material: High strength copper alloy

ELECTRICAL PROPERTIES

CURRENT RATING: 1 Amp per contact

ENVIRONMENTAL PROPERTIES

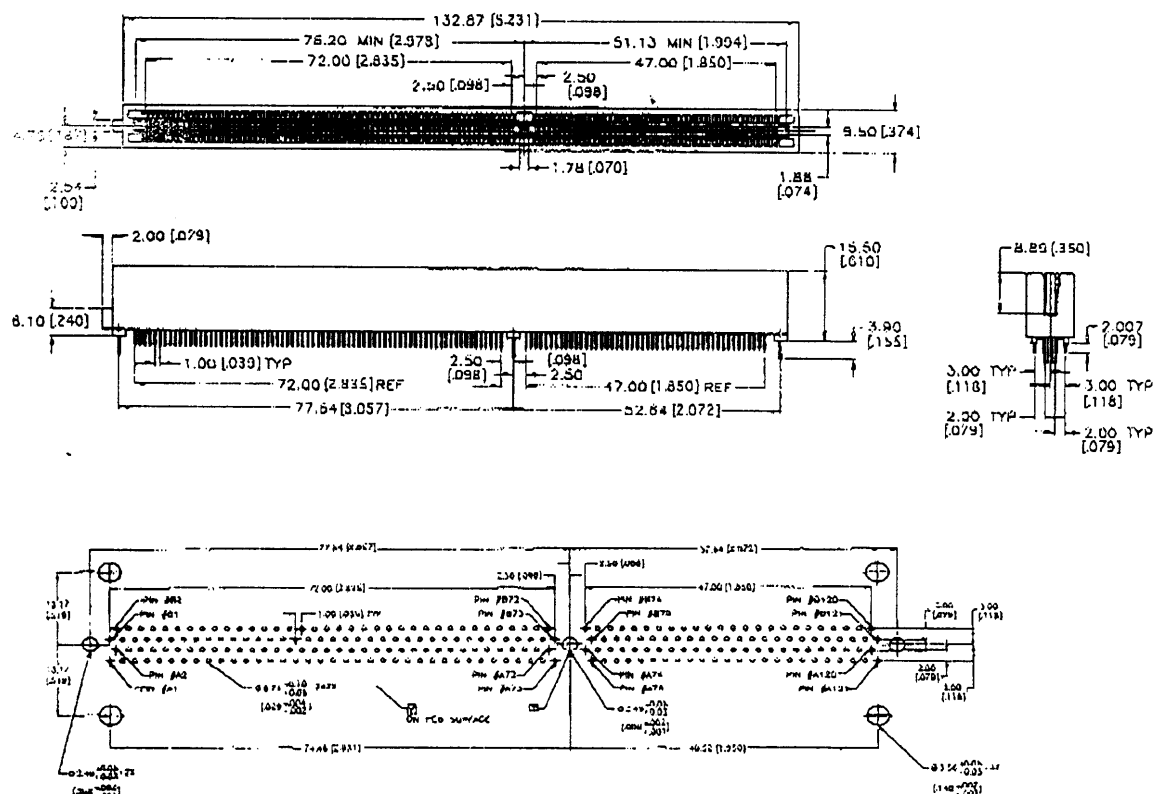
OPERATING TEMPERATURE: -40° to 105° C

CONTINUOUS OPERATING TEMPERATURE: 85° C

REFERENCE

SALES DRAWING: 8490001S

SPECIFICATION: PFS97-5000



Recommended PCB Layout

Ordering Information

8490001-2426-00

Thomas & Betts

Slot 1 & AGP Connector

ACCELERATED GRAPHICS PORT CONNECTORS



EP49571



E60980



PHYSICAL PROPERTIES

Insulator Material: Glass-filled High-temperature thermoplastic; UL94V-0 rated
Color: Dark Brown
Contact Material: High strength copper alloy
Board Latch Material: Copper alloy

ELECTRICAL PROPERTIES

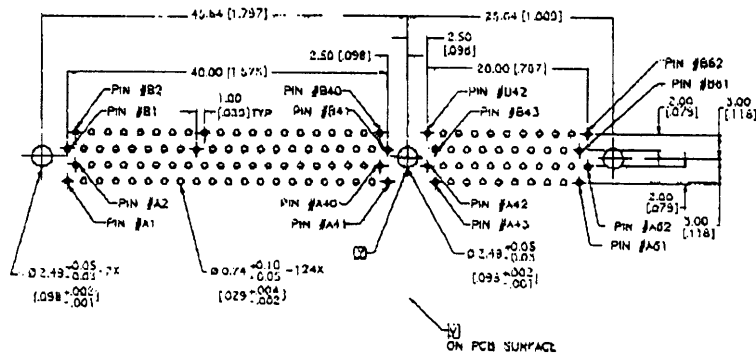
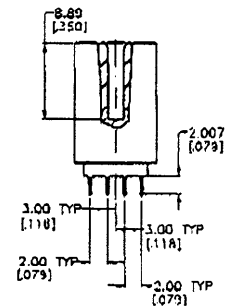
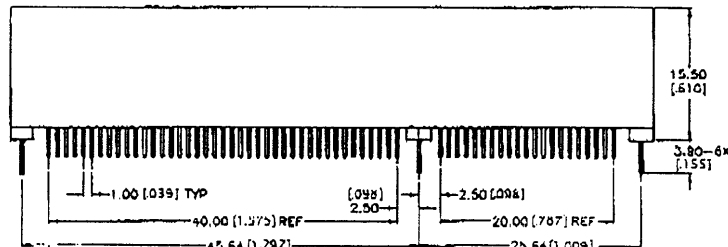
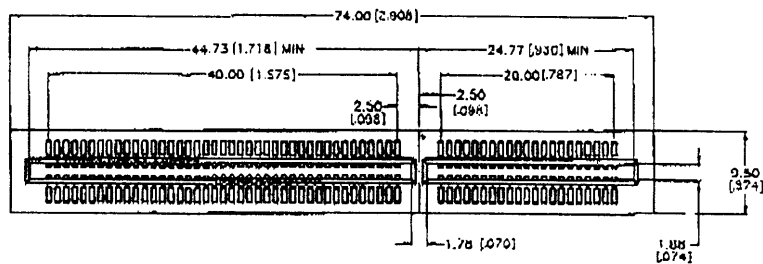
CURRENT RATING: 1 Amp per contact

ENVIRONMENTAL PROPERTIES

OPERATING TEMPERATURE: -40° to 105° C
CONTINUOUS OPERATING TEMPERATURE: 85° C

REFERENCE

SALES DRAWING: 8490006S
SPECIFICATION: PFS97-5000



Ordering Information

Part # 8490006-1246-00

Recommended PCB Layout

Thomas & Betts

Slot 1 & AGP Connector

SLOT ONE CARTRIDGE ASSEMBLY

DESCRIPTION

Cartridge Shelf Block Material: Thermoplastic;

1.57" thick

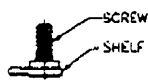
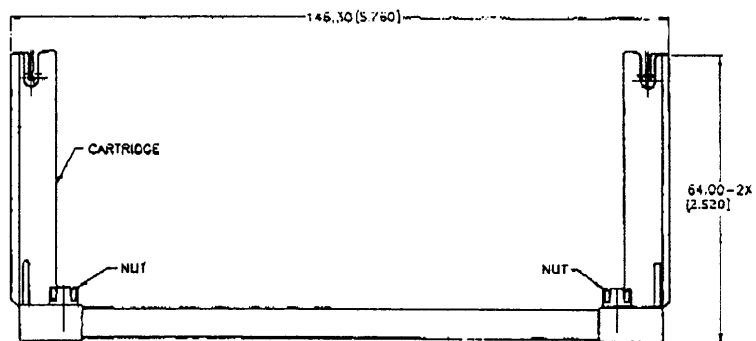
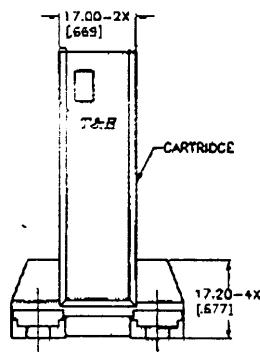
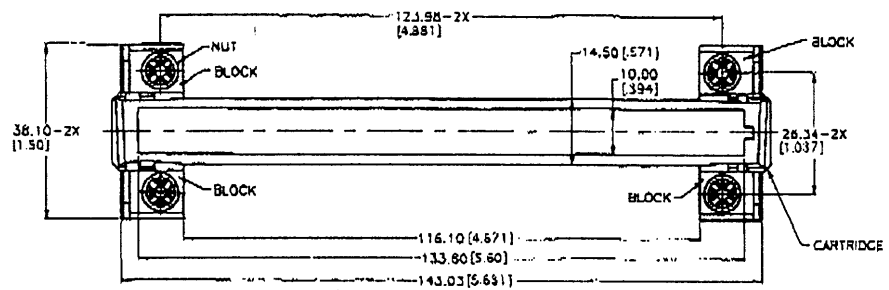
Color: Black

Screw & Nut Material: Copper alloy

1 COMPLETE SET SHALL CONSIST OF:

2 x Sub-Assembly (2 x Screws & 1 x Shelf)

1 x Sub-Assembly (2 x Cartridge &
4 x blocks & 4 x Nuts)



Ordering Information

PART #

8490005-0002-00