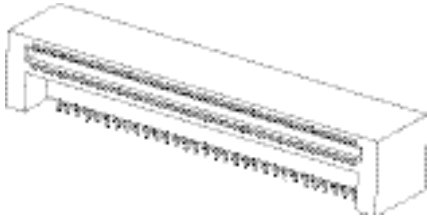


## Right Angle AGP Connectors

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**Illustrated: Right Angle Accelerated Graphics Port (AGP) Connector**

Meritec's Right Angle AGP (Accelerated Graphics Port) Connectors are the latest addition to Meritec's family of Card Edge Connectors. The AGP interface has been designed specifically for dedicated use in high performance graphic controllers. The Right Angle AGP Connector allows you to add an AGP card to your system without adding all of the extra height. The connector is available in .400" and .650" stack heights, and both .100" and .125" solder tails.

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### FEATURES and BENEFITS

- Meets the AGP 2.0 specification
- Available in 1.5V, 3.3V, and universal configurations
- Mounting clips provide retention to the PCB during the soldering process
- Multiple card stack height options from .400" - .650"
- Plastic cover protects unused AGP connectors from dust and debris and supports connectors for hybrid soldering applications requiring convection/IR heating
- Insert molded in liquid crystal polymer for stability
- Designed to accept .062" AGP cards

For custom connector solutions or the name and location of your nearest Meritec Sales Representative, call 1-888-MERITEC (888-637-4832) or visit our web site at [www.meritec.com](http://www.meritec.com).

### SPECIFICATIONS

#### ELECTRICAL:

- Contact resistance - 15 milliohms (maximum)
- Dielectric withstanding voltage - 500 VAC (minimum)
- Current rating - 1.0 AMP (continuous)
- Insulation resistance -  $>1 \times 10^9$  ohms @ 500 VDC

#### MECHANICAL:

- Contact material - copper alloy
- Standard contact finish - selectively plated contact surface consists of gold flash over nickel
- Retention clip - solder plated copper alloy
- Insertion force - 100 grams nominal per opposing contact pair
- Normal force - 90 grams nominal per contact
- Dielectric material - glass filled liquid crystal polymer (black)

#### ENVIRONMENTAL:

- Material - U.L. rated 94 V-0
- Temperature rating - -40°C to +105°C

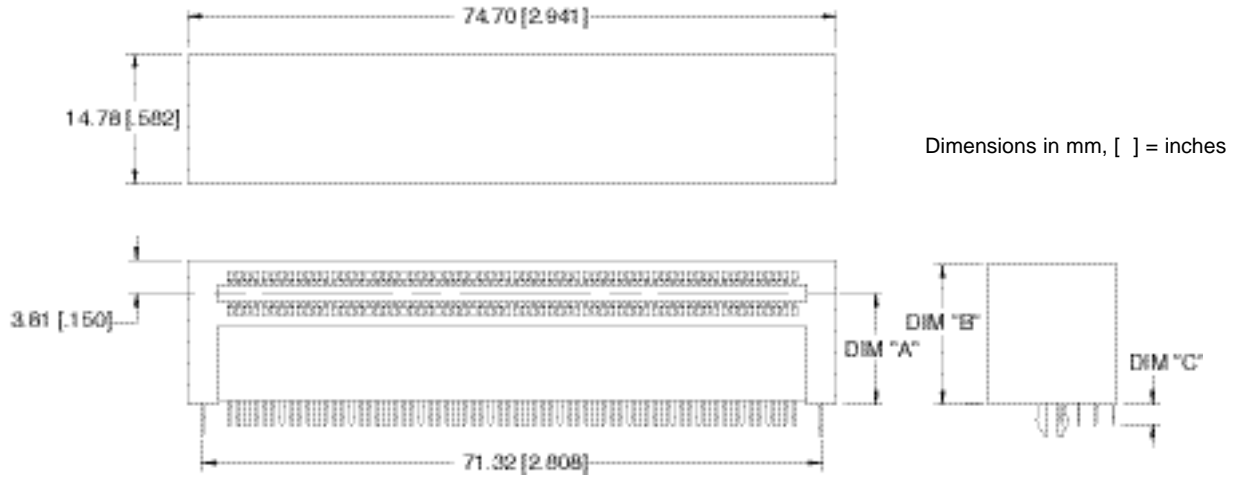


Custom thinking is our standard

All statements, specifications and technical information on this data sheet are subject to change at any time without notice.

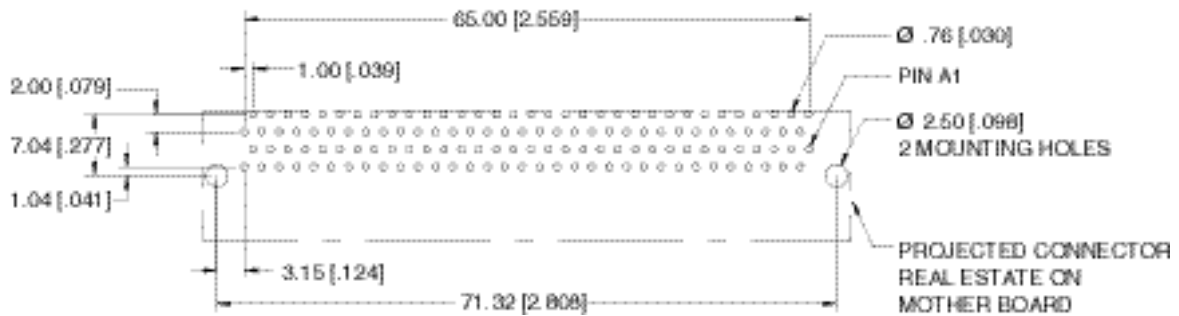
# Right Angle AGP Connectors

## LAYOUT DRAWING ILLUSTRATED: RIGHT ANGLE UNIVERSAL AGP CONNECTOR



### RECOMMENDED MOUNTING HOLE PATTERNS PER AGP SPECIFICATIONS, REV. 2.0

#### UNIVERSAL RIGHT ANGLE AGP CONNECTOR

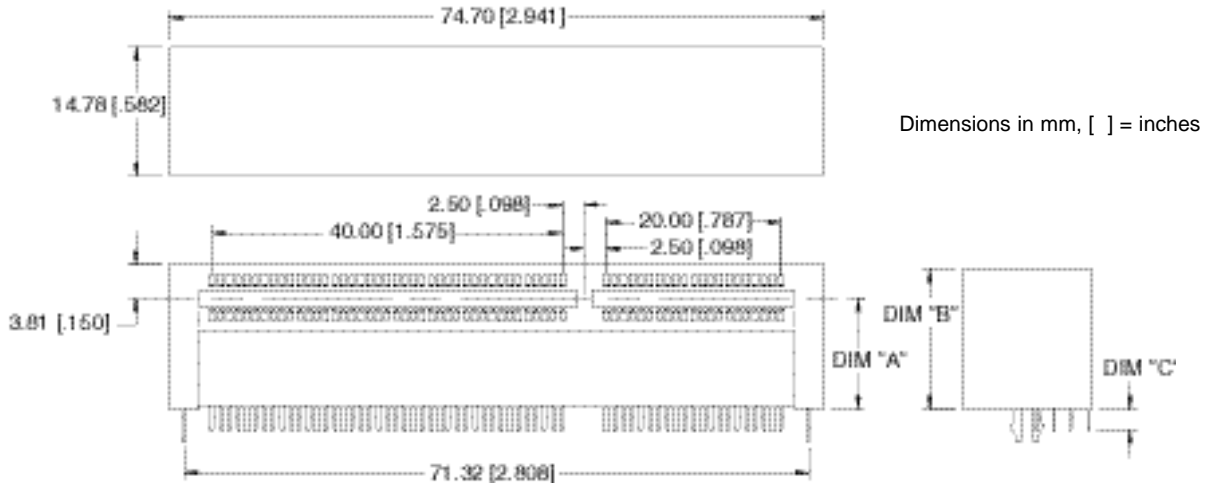


### UNIVERSAL CONNECTORS

DIM "A"	DIM "B"	DIM "C"	PART NUMBERS
10.16 [.400]	13.97 [.550]	2.54 [.100]	980933-124-2MCF
10.16 [.400]	13.97 [.550]	3.17 [.125]	980934-124-2MCF
16.51 [.650]	20.32 [.800]	2.54 [.100]	980935-124-2MCF
16.51 [.650]	20.32 [.800]	3.17 [.125]	980936-124-2MCF

# Right Angle AGP Connectors

## LAYOUT DRAWING ILLUSTRATED: RIGHT ANGLE 3.3V AGP CONNECTOR

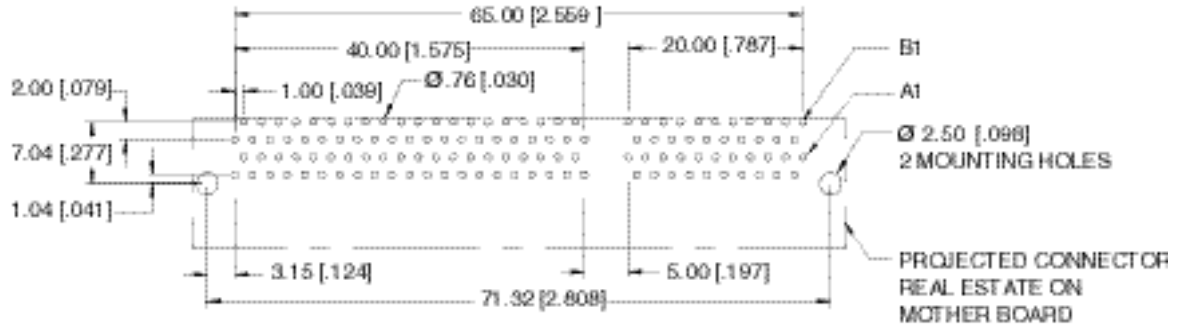


### RECOMMENDED MOUNTING HOLE PATTERNS PER AGP SPECIFICATIONS, REV. 2.0

#### 1.5V RIGHT ANGLE AGP CONNECTOR



#### 3.3V RIGHT ANGLE AGP CONNECTOR



### 1.5V AND 3.3V CONNECTORS

DIM "A"	DIM "B"	DIM "C"	PART NUMBERS	
			1.5V	3.3V
10.16 [0.400]	13.97 [0.550]	2.54 [0.100]	980913-124-2MCF	980923-124-2MCF
10.16 [0.400]	13.97 [0.550]	3.17 [0.125]	980914-124-2MCF	980924-124-2MCF
16.51 [0.650]	20.32 [0.800]	2.54 [0.100]	980915-124-2MCF	980925-124-2MCF
16.51 [0.650]	20.32 [0.800]	3.17 [0.125]	980916-124-2MCF	980926-124-2MCF