DESCRIPTION/APPLICATION
The Thomas & Betts Fine Pitch D-Connector is ideally suited for such applications as laptop and compact desktop computers, peripherals, and other new generation equipment where space and weight are at a premium, and high performance is required.

DESIGN ADVANTAGES
- Complies with the latest industry standards:
  - SCSI-2, with 50 pin and 68 pin Fine Pitch D-Connectors.
  - SCSI-3, with 50 pin and 68 pin Fine Pitch D-Connectors.
  - IPI-2, with 50 pin and 100 pin Fine Pitch D-Connectors.
  - RS232-E, with 26 pin Fine Pitch D-Connectors.
- Dual opposing beam female contacts provide minimum 100 grams normal force per beam with 150K PSI Hertz stress for maximum reliability.
- High temperature plastic housing is compatible with reflow soldering techniques.
- Tin plated steel shell withstands reflow soldering processes.
- All-plastic housing allows freedom to route surface tracks on PCB without short circuiting.
- Shrouded housing provides a robotic pickup surface which also provides superior electrical and mechanical protection for solder tails.
- PC Board mounting options include grounding strap with #2–56 threaded insert or grounding snap-latch for retention during soldering process.
- A full range of mounting and grounding options allows greater design flexibility.

For Applications Where Space And Weight Are At A Premium
FINE PITCH "D" CONNECTOR
RIGHT ANGLE RECEPTACLE

PHYSICAL PROPERTIES
INSULATION MATERIAL: Glass reinforced thermoplastic
rated UL 94V-0
COLOR: Black
CONTACTS: High strength copper alloy
CONTACT PLATING: 50 microinches nickel underplate
with 30 microinches gold in the mating area, 100
microinch minimum tin/lead on tails
LATCH BLOCK MATERIAL: Nickel plated zinc alloy
METAL SHELL MATERIAL: Tin plated steel
SNAP LATCH MATERIAL: High strength copper alloy

ELECTRICAL PROPERTIES
CURRENT RATING: 1 Amp
INSULATION RESISTANCE: >1000 Megohms
DIELECTRIC STRENGTH: >1000 VDC (Sea Level)

ENVIRONMENTAL PROPERTIES
TEMPERATURE RATING: -55 C to 125 C

MOUNTING HARDWARE
FEMALE JACKSOCKET: 8700040001 (For mounting
style C)

Panel Mounting Options

Jacksocket Kit
Catalog Number: 8700040001
(for mounting style "C")
Kit includes:
— 2 Jacksockets (shown above)
— 2 Split Lockwashers

Panel Cut-Outs

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<th>POS.</th>
<th>DIMENSIONS</th>
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