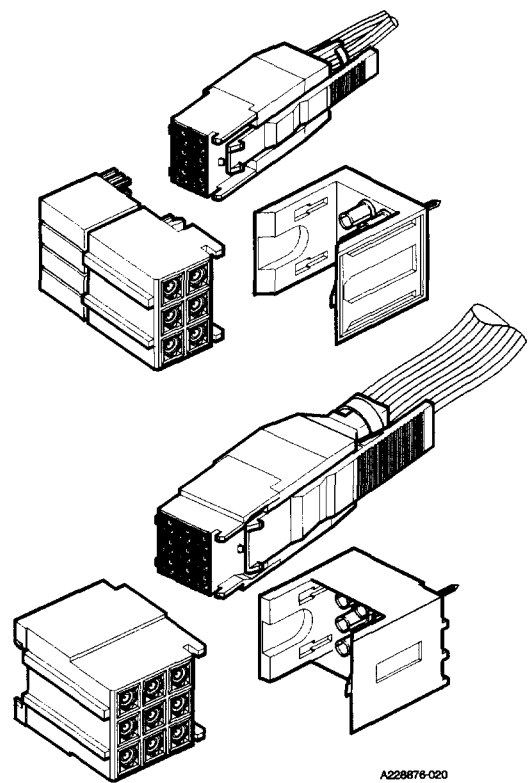# Hybrid Connectors
Coax Cable Connectors

**Right-Angle Solder-to-Board and
Straight Mini Coax Housings**

**Crimp-to-Wire
Mini Coax Assembly**

A228876-020

Features

- Modular design guarantees flexibility.
- Stackable end-to-end without loss of positions.
- Stackable with other METRAL™ function modules (e.g., signal, power).
- Polarization.
- Stable high-strength PCB attachment.
- Termination without soldering.
- High signal density:
  - 6-position: 50 contacts/100 mm board length.
  - 9-position: 75 contacts/100 mm board length.

Mating Data

Approvals and Certifications

U File no. E66906

CSA File no. LR46923

Application Equipment

Technical Data

Materials

- Straight and Right-Angle Housings ...... Glass filled LCP (UL 94-VO)
  - Color .... Natural
  - Applicable soldering processes...... Wave, IR, vapor phase
- Cable housing .... Glass filled thermoplastic polyester (UL 94-VO)
  - Color .... Natural
- Cable cover .... Glass filled thermoplastic polyester (UL 94-VO)
  - Color .... Black
- Cable latch................. Polyetherimide (UL 94 V-O)
  - Color .... Black

Environmental Properties

- Temperature range.................... -55°C to + 105°C

Electrical Performance

- Insulation resistance............. 5 x 10^3 MΩ min initially; 1 x 10^3 MΩ after environmental testing
- Withstanding voltage............ 1000 V rms (sea level)

Packaging (Order in multiples of quantity shown)

- Bags.. 100
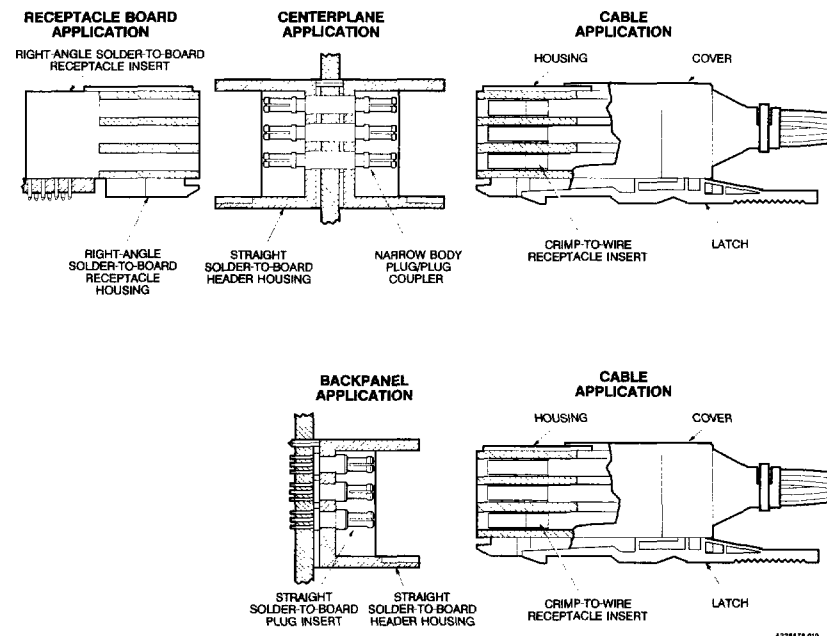

Customer Support Materials

Description	Order No.	Description	Order No.
Customer Product Drawings...............	By Part No.	Product Samples......................	Upon Request

6-Position Mini Coax Applications

RECEPTACLE BOARD APPLICATION

RIGHT-ANGLE SOLDER-TO-BOARD RECEPTACLE INSERT

CENTERPLANE APPLICATION

CABLE APPLICATION

HOUSING   COVER

RIGHT-ANGLE RECEPTACLE HOUSING

STRAIGHT HEADER HOUSING

PLUG/PLUG COUPLER

CRIMP-TO-WIRE RECEPTACLE INSERT

LATCH

RECEPTACLE BOARD APPLICATION

RIGHT-ANGLE SOLDER-TO-BOARD RECEPTACLE INSERT

HEADER BOARD APPLICATION

RIGHT-ANGLE RECEPTACLE HOUSING

RIGHT-ANGLE HEADER HOUSING

RIGHT-ANGLE INSERT PLUG

BACKPANEL APPLICATION

CABLE APPLICATION

HOUSING   COVER

STRAIGHT SOLDER-TO-BOARD PLUG INSERT

STRAIGHT SOLDER-TO-BOARD NARROW BODY HEADER HOUSING

CRIMP-TO-WIRE RECEPTACLE INSERT

LATCH

A228578-009

9-Position Mini Coax Applications

RECEPTACLE BOARD APPLICATION

RIGHT-ANGLE SOLDER-TO-BOARD RECEPTACLE INSERT

CENTERPLANE APPLICATION

CABLE APPLICATION

HOUSING   COVER

RIGHT-ANGLE SOLDER-TO-BOARD RECEPTACLE HOUSING

STRAIGHT SOLDER-TO-BOARD HEADER HOUSING

NARROW BODY PLUG/PLUG COUPLER

CRIMP-TO-WIRE RECEPTACLE INSERT

LATCH

BACKPANEL APPLICATION

CABLE APPLICATION

HOUSING   COVER

STRAIGHT SOLDER-TO-BOARD PLUG INSERT

STRAIGHT SOLDER-TO-BOARD HEADER HOUSING

CRIMP-TO-WIRE RECEPTACLE INSERT

LATCH

A228578-010

10

Description and Ordering Data
Wide Body Centerplane Application
6-Position Straight Wide Body Housing
Part Number 88913-101
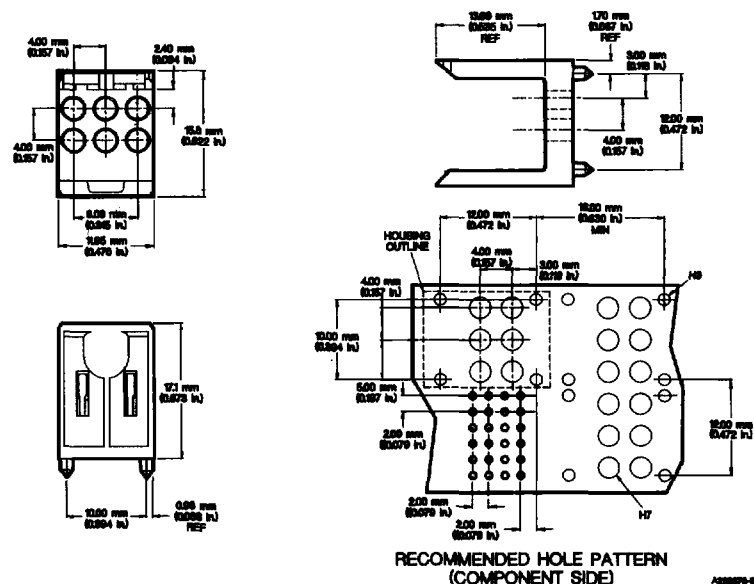
RECOMMENDED HOLE PATTERN
(COMPONENT SIDE)

For "H" hole specifications, see page 10-99.

Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg Electronics representative.
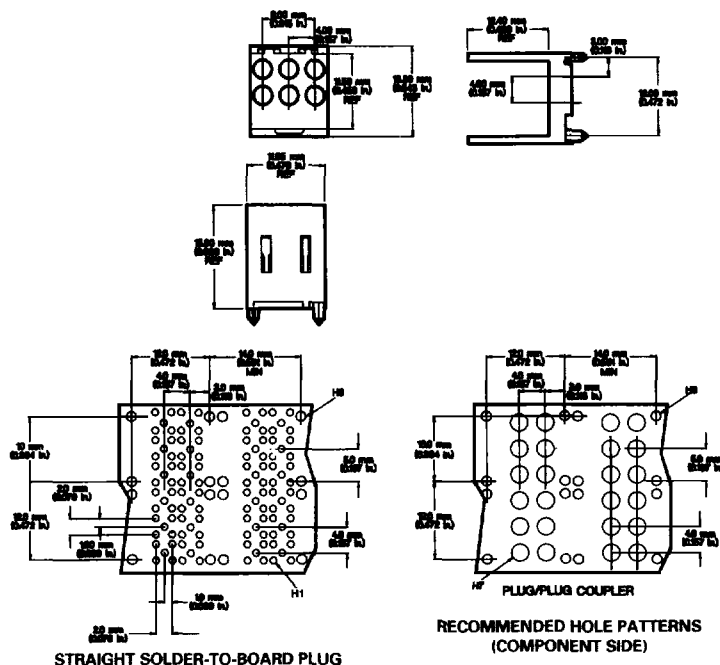
Description and Ordering Data
Narrow Body Centerplane and Backplane Applications
6-Position Straight Narrow Body Housing
## Part Number 70243-101 (Solder-to-Board)
Part Number 70243-111 (Press-Fit)

STRAIGHT SOLDER-TO-BOARD PLUG

PLUG/PLUG COUPLER

RECOMMENDED HOLE PATTERNS
(COMPONENT SIDE)

For "H" hole specifications, see page 10-99.

Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg Electronics representative.

Description and Ordering Data
Centerplane and Backpanel Applications
9-Position Straight Solder-to-Board Narrow Body Housing
Part Number 88973-101

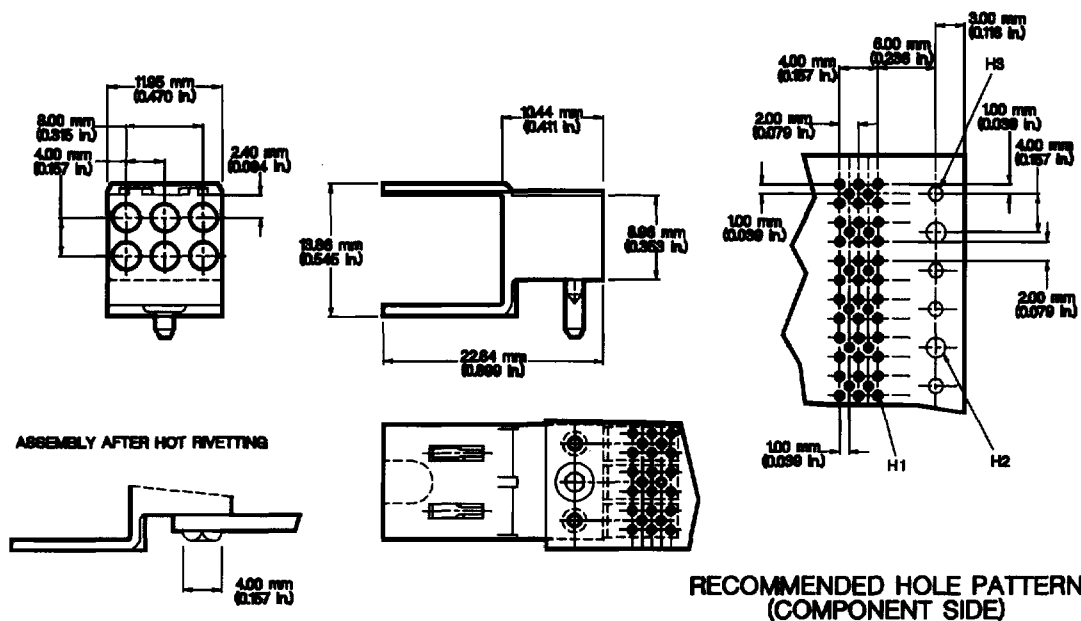RECOMMENDED HOLE PATTERNS
(COMPONENT SIDE)
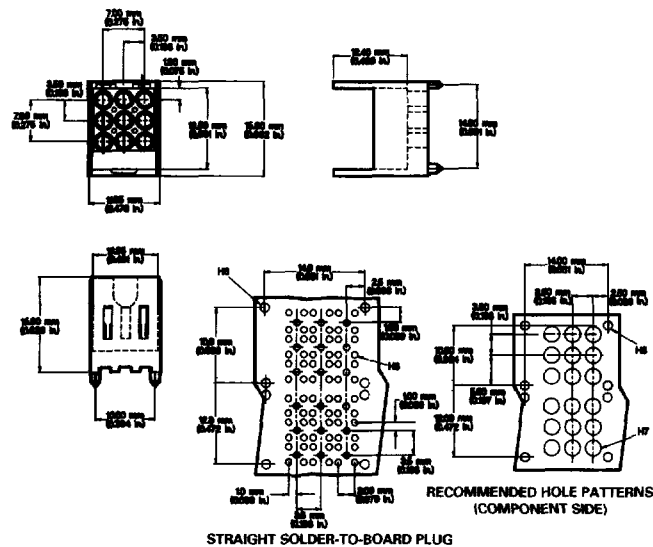
STRAIGHT SOLDER-TO-BOARD PLUG

For "H" hole specifications, see page 10-99.

Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg
Electronics representative.

Description and Ordering Data
Header Board Application
6-Position Right-Angle Header Housing
Part Number 88982-101 (Heat Stake Peg)
Part Number 88982-102 (Press Peg)

Heat Stake Version Shown

ASSEMBLY AFTER HOT RIVETTING

RECOMMENDED HOLE PATTERN
(COMPONENT SIDE)

10

For "H" hole specifications, see page 10-99.

Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg
Electronics representative.
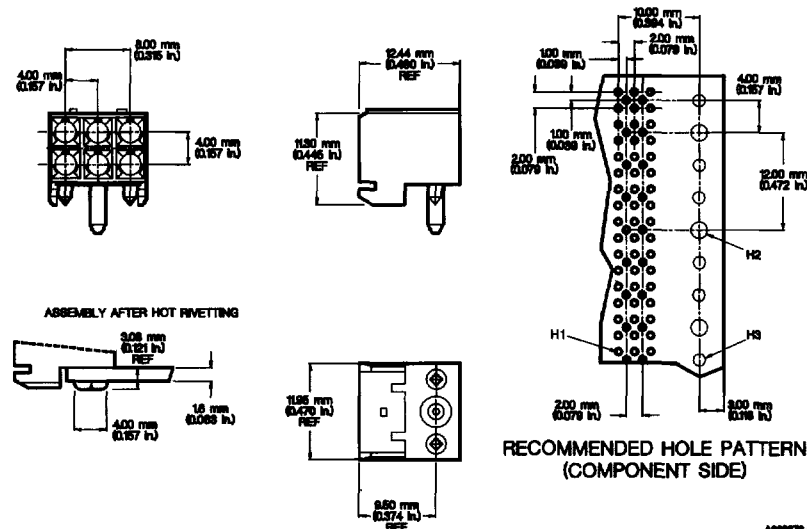
Description and Ordering Data
Receptacle Board Application
6-Position Right-Angle Receptacle Housing
Part Number 70244-101 (Heat Stake Peg)
Part Number 70244-102 (Press Peg)

__Heat Stake Version Shown__

RECOMMENDED HOLE PATTERN
(COMPONENT SIDE)
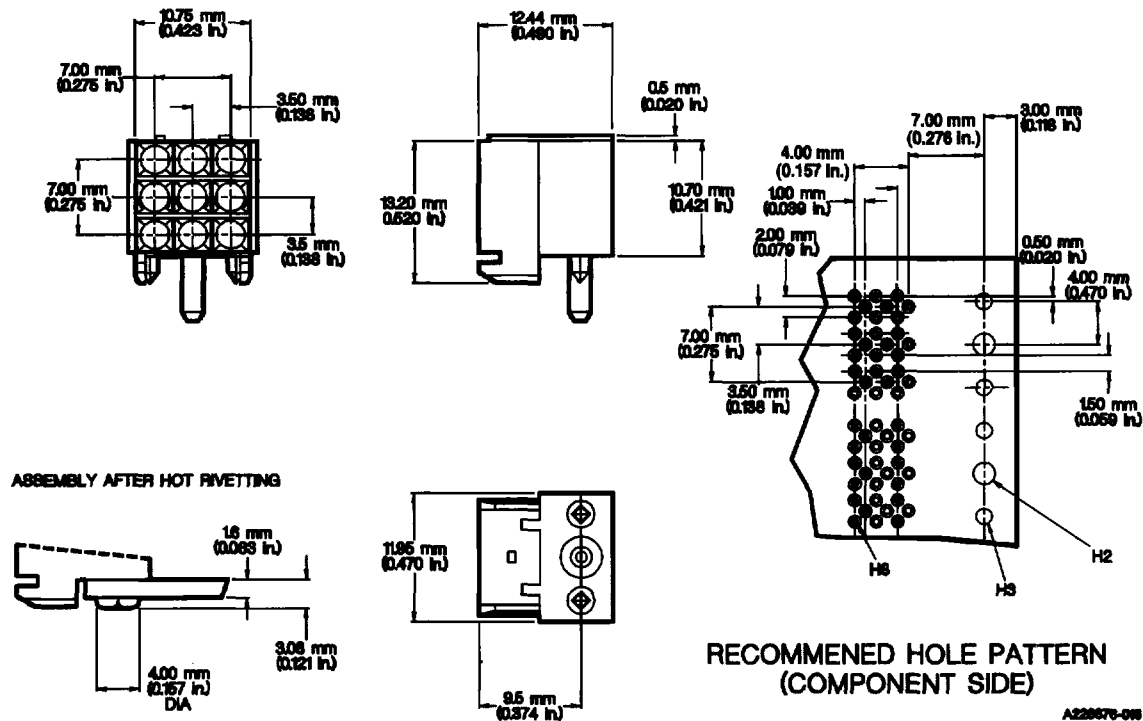
For "H" hole specifications, see page 10-99.

Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg Electronics representative.

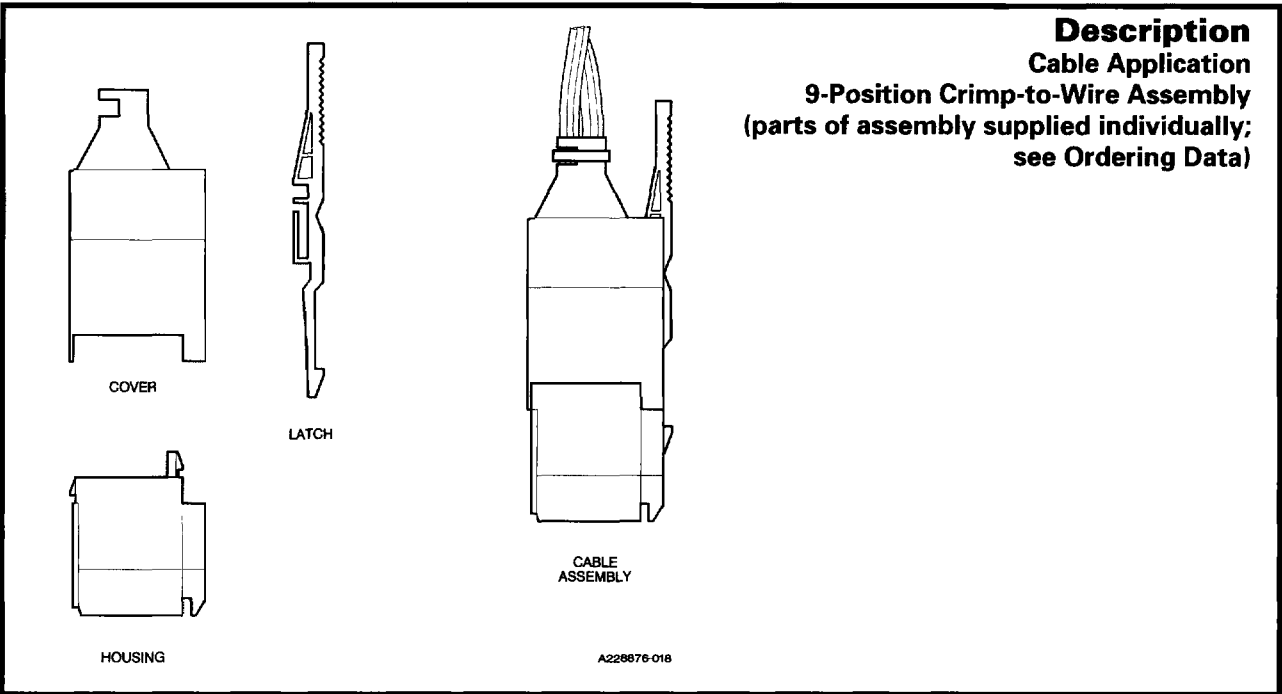## Description and Ordering Data
Receptacle Board Application
9-Position Right-Angle Solder-to-Board Receptacle Housing
Part Number 88974-101

ASSEMBLY AFTER HOT RIVETTING

RECOMMENED HOLE PATTERN
(COMPONENT SIDE)

For "H" hole specifications, see page 10-99.

Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg Electronics representative.

Description
Cable Application
6-Position Crimp-to-Wire Assembly
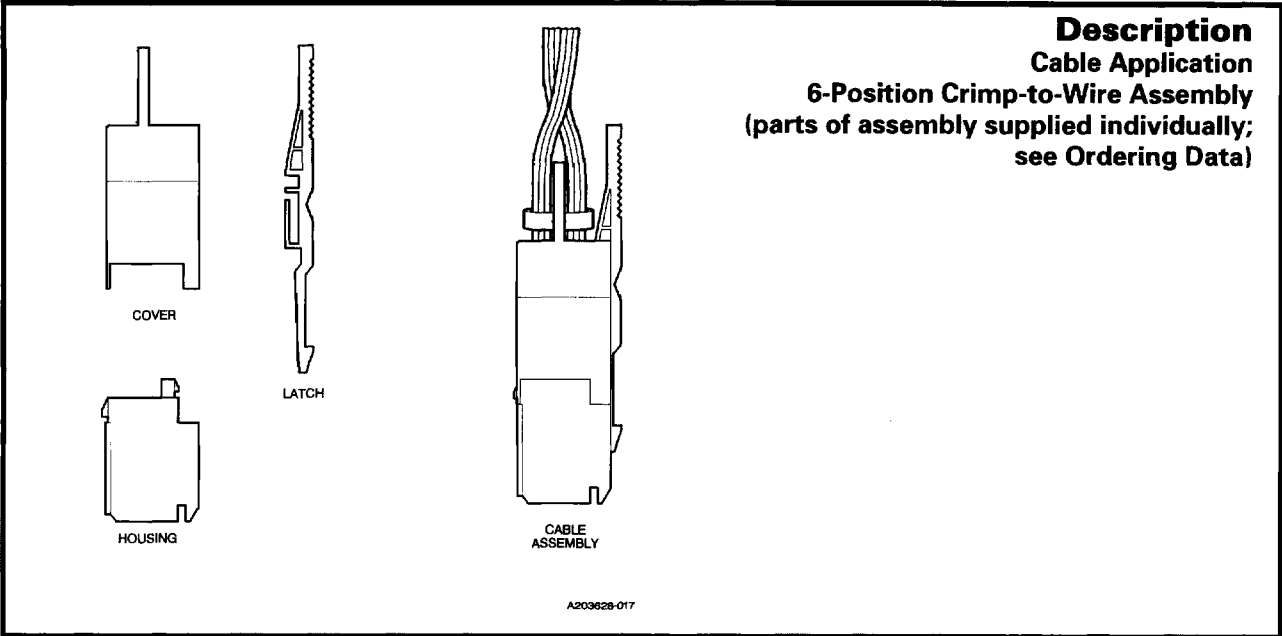(parts of assembly supplied individually;
see Ordering Data)

COVER

LATCH

HOUSING

CABLE
ASSEMBLY

A203628-017

Description
Cable Application
9-Position Crimp-to-Wire Assembly
(parts of assembly supplied individually;
see Ordering Data)

COVER

LATCH

HOUSING

CABLE
ASSEMBLY

A228876-018

10

Ordering Data
Cable Application
6- and 9-Position Crimp-to-Wire Assembly
(parts of assembly supplied individually)

6-position Parts of Assembly (order 1 of each)	Part Number
Housing	70245-101
Cover	70246-001
Latch	70289-001
9-position Parts of Assembly (order 1 of each)	**Part Number**
Housing	88975-101
Cover	88976-001
Latch	70289-001

Ordering data shown is for our standard product offering. For non-standard or custom products, contact your authorized Berg Electronics representative.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol](#):

[70243-101](#)