

# 3M™ Power Clamp Branch Connector

3 mm, Branch, Y-Type, 1 Socket and 2 Plugs, 5 Positions x 3

357 Series



- Branch Interconnect takes one input and splits it into 2 outputs
- Latching clip retains the Branch Connector to the header
- CC-Link Communication Interconnect Standard
- One-Touch latching mechanism maintains a reliable interconnection in demanding field applications and requires only one hand to easily mate and unmate
- Polarization ensures proper interconnecting of mated pairs
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of [www.3M.com/Interconnects](http://www.3M.com/Interconnects) for compliance information (RIA E1 & C1 apply).

Date Modified: December 20, 2009

TS-2304-B  
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## Physical

### Insulation:

Body Material: PBT

Latch material: PBT

Flammability: UL 94V-0

Body Color: Black

Latch Color: Black

### Contact:

Material: Copper Alloy

### Plating:

Underplating: 2.5 µm Ni minimum

Header Wiping Area: 0.5 µm Au minimum

Socket Wiping Area: 0.5 µm Au minimum

**Mating Compatibility:** 355, 35T, 356, and 358 series products (with same polarization)

## Electrical

**Current Rating:** 18 AWG: 10A (1 contact/socket); 7A (2 - 5 contacts/socket)

20 AWG: 9A (1 contact/socket); 6A (2 - 5 contacts/socket)

Rating Conditions: 30° C maximum temperature rise

**Voltage Rating:** 250 V

**Insulation Resistance:** 10<sup>3</sup> MΩ min. at 600 V<sub>DC</sub>

**Withstanding Voltage:** 1,000 V<sub>RMS</sub> for 1 minute

## Environmental

**Temperature Rating:** -20°C to +75°C ambient

UL Rating: 65° C

UL File No: E68080



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Interconnect Solutions

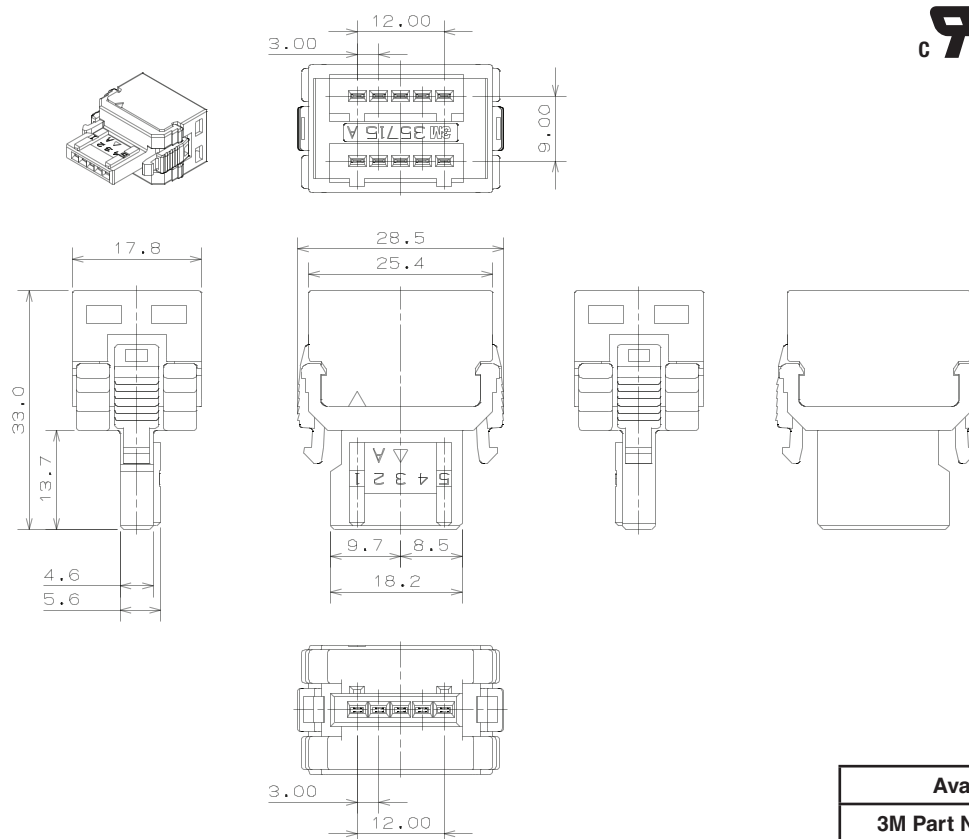
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**800-225-5373**

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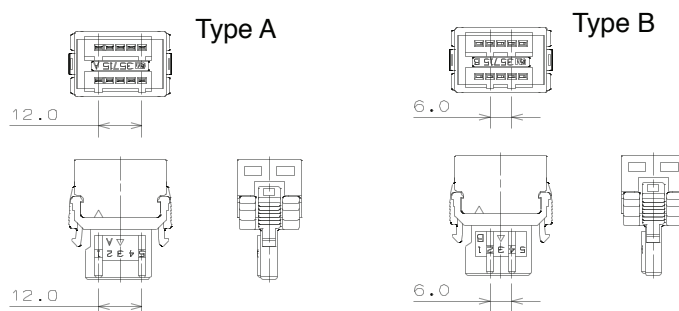
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| Available Part Numbers |                  |
|------------------------|------------------|
| 3M Part Number         | Polarization Key |
| 35715-L010-A00 AK      | A                |
| 35715-L010-B00 AK      | B                |

## Polarization



mm  
[Inch]

| Tolerance Unless Noted |    |     |       |
|------------------------|----|-----|-------|
|                        | .0 | .00 | .000  |
| mm                     | ±3 | ±13 | ±.008 |

[ ] Dimensions for Reference Only

## Ordering Information

**35715-L010-X00 AK**

(RIA E1 and C1 Apply)

Polarization:

A: Type A (wide)

B: Type B (narrow)

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#### **3M Electronics Solutions Division**

6801 River Place Blvd.  
Austin, TX 78726-9000  
U.S.A.  
1-800-225-5373  
[www.3m.com/interconnects](http://www.3m.com/interconnects)

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