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 for compliance information (RIA E1 & C1 apply).

Date Modified: December 20, 2009

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 Compatability:	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:	10^3 MΩ min. at 600 V_{DC}
Withstanding Voltage:	1,000 V_{RMS} for 1 minute

Environmental

Temperature Rating:	-20°C to +75°C ambient UL Rating: 65° C

UL File No: E68080

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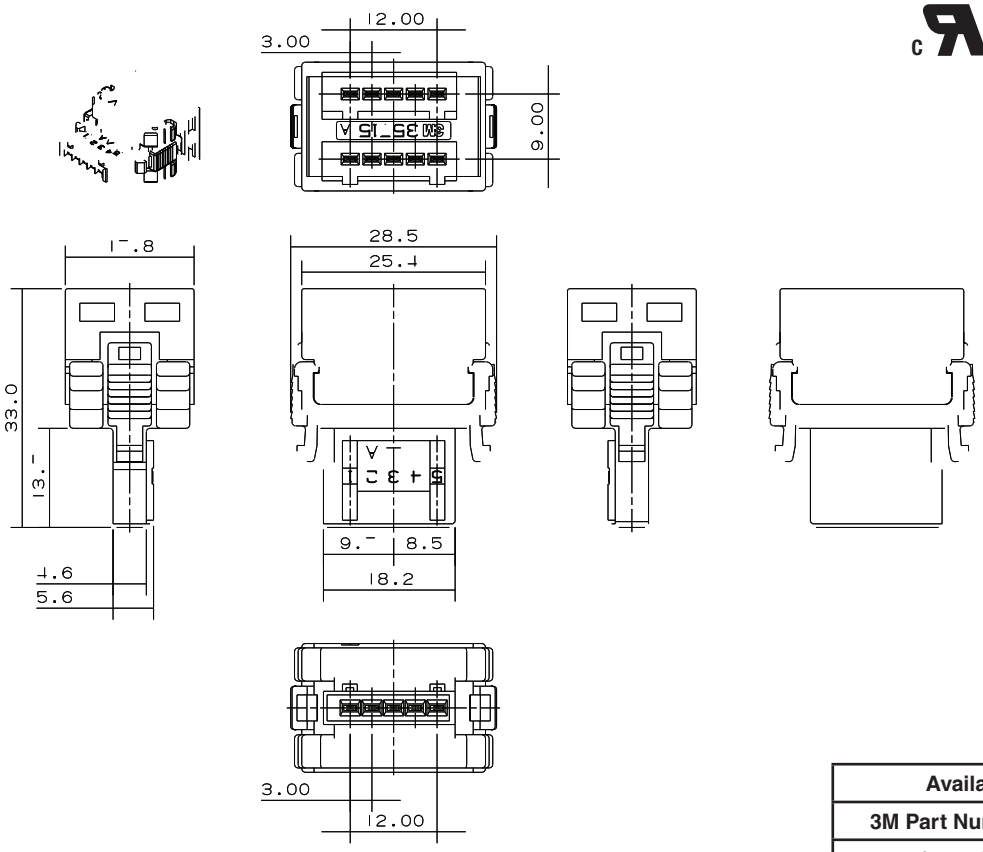
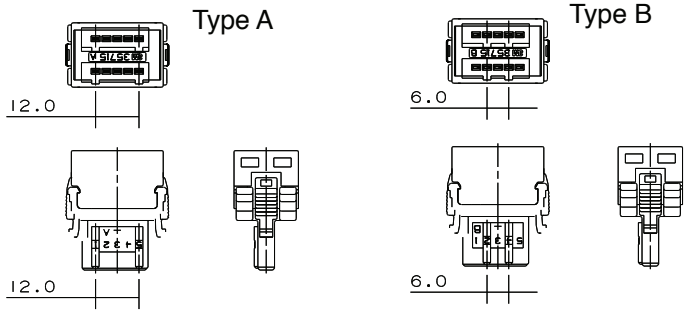


Available Part Numbers	
3M Part Number	**Polarization Key**
35715-L010-A00 AK	A
35715-L010-B00 AK	B

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)

TS-2304-B
Sheet 2 of 2

3M
Electronic Solutions Division
Interconnect Solutions
http://www.3M.com/interconnects/

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For technical, sales or ordering information call
800-225-5373

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