



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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3M™ Power Clamp Wiremount Socket

3 mm, IDC, 5 Position

355 Series



- Easy, labor saving, and reliable IDC termination
- Easy field termination with no special tooling or wire preparation – no stripping or tinning
- Semi-Transparent color-coded covers for wire inspection and wire retention
- 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.3Mconnector.com for compliance information (RIA E1 & C1 apply).

Date Modified: September 15, 2010

TS-2273-D
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Physical

Insulation:

Body Material: Nylon
Cover Material: Polycarbonate
Flammability: UL 94V-0

Body Color: Black
Cover Color: Clear, Yellow, Blue, Red

Contact:

Material: Copper Alloy

Plating:

Underplating: 2.5 µm Ni minimum
Wiping Area: 0.5 µm Au minimum

IDC Termination Area: 2.5 µm Ni minimum

Wire Accommodation: 18 & 20 AWG: PVC, TFE, Foamed PE insulation with solid or 7 - 19 stranded Tinned or Silver Cu.
MIL-W- 16878/5 EE, MIL-W- 16878/4 E, MIL-W- 16878/1, MIL-W- 16878/2 C
CC-Link Ver 1.10 Cables
Contact 3M for additional wire accommodations

Mating Compatibility: 356, 357, 358 Series (with same polarizations)

Electrical

Current Rating: 18 AWG: 10A (1 contact); 7A (2 - 5 contacts)
20 AWG: 9A (1 contact); 6A (2 - 5 contacts)
Rating Conditions: 30° C maximum temperature rise

Voltage Rating: 250 V

Insulation Resistance: 10³ MΩ min. at 600 V_{DC}

Withstanding Voltage: 1,000 V_{RMS} for 1 minute

Environmental

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

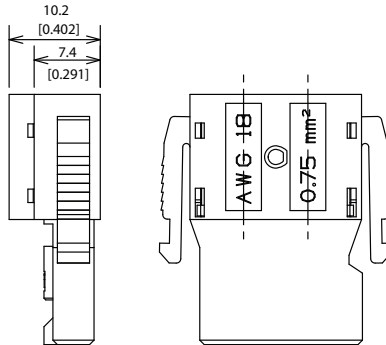
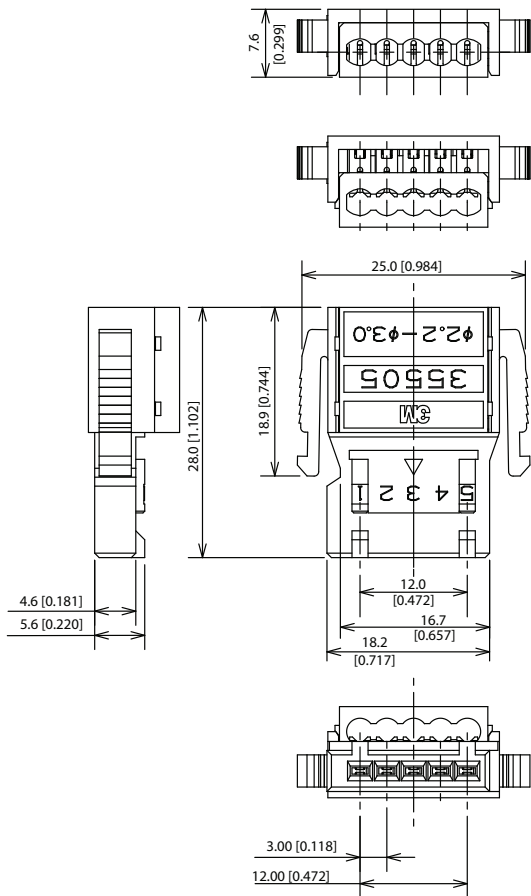
UL Rating: 65°C

UL File No.: E68080

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3 mm, IDC, 5 Position

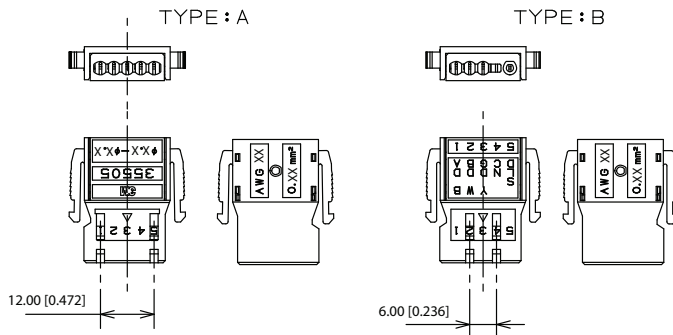
355 Series



Available Part Numbers			
3M Part Number	Outside Diameter Range of Wire	Wire Gauge	Cover Color
35505-6080-A00 GF	2.2 - 3.0 mm [.087 - .118"]	18 AWG	Clear
35505-6180-A00 GF	2.0 - 2.3 mm [.079 - .091"]	18 AWG	Blue
35505-6200-A00 GF	1.6 - 2.0 mm [.063 - .079"]	20 AWG	Yellow
35505-6200-B00 GF	1.6 - 2.0 mm [.063 - .079"]	20 AWG	Yellow
35505-6000-B0M GF*	2.2 - 3.0 mm [.087 - .118"]	20 AWG	Red

*35505-6000-B0M GF connects communication cable with 3 discrete and 1 drain wire. Twist drain wire 7 or more times to tighten strands and insert into wire position #5.

Polarization



mm [Inch]			
Tolerance Unless Noted			
	0	.0	.00
mm	±1	±.3	±.13

[] Dimensions for Reference Only

Metal Clip Accessory 79116-PCM-01M available for additional latching security in high demand applications.

Ordering Information

35505 - 6XX0 - X0X GF (RIA E1 and C1 Apply)

Wire Outside Diameter:
0: 2.2 - 3.0 mm
1: 2.0 - 2.3 mm
2: 1.6 - 2.0 mm

Wire Size:
0: 20 AWG
8: 18 AWG

Polarization:
A: Type A (wide)
B: Type B (narrow)

Option:
0: 3M Original
M: Drain Wire

Metal Clip Accessory: 79116-PCM-01M

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