

3M™ Power Clamp Header

3 mm, Right Angle, 1 and 2 Row, 5 and 10 Contacts

356 Series



- Accepts one or two Power Clamp Wiremount Sockets
- Accepts Branch and Terminator Connectors
- End to end stackable at 25.4 mm pitch on PCB
- Integrated press fit board retention pins retain the connector to the board during wave soldering
- CC-Link Communication Interconnect Standard
- One Touch latching mechanism maintains a reliable interconnection in demanding field applications
- Keyed to prevent reverse insertion of Sockets
- Polarization options ensures proper interconnection of mated connectors
- 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

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Physical

Insulation:

Body Material: PBT

Flammability: UL 94V-0

Body Color: Black

Contact:

Material: Copper Alloy

Plating:

Underplating: 2.5 µm Ni minimum

Wiping Area: 0.5 µm Au minimum

Solder Tails: Au Flash

Mating Compatibility: 355, 357, and 35T 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: 10³ MΩ min. at 600 V_{DC}

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

Environmental

Process Rating: 260°C maximum for wave solder process
390°C for 3 seconds maximum for soldering iron

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

UL File No: E68080



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

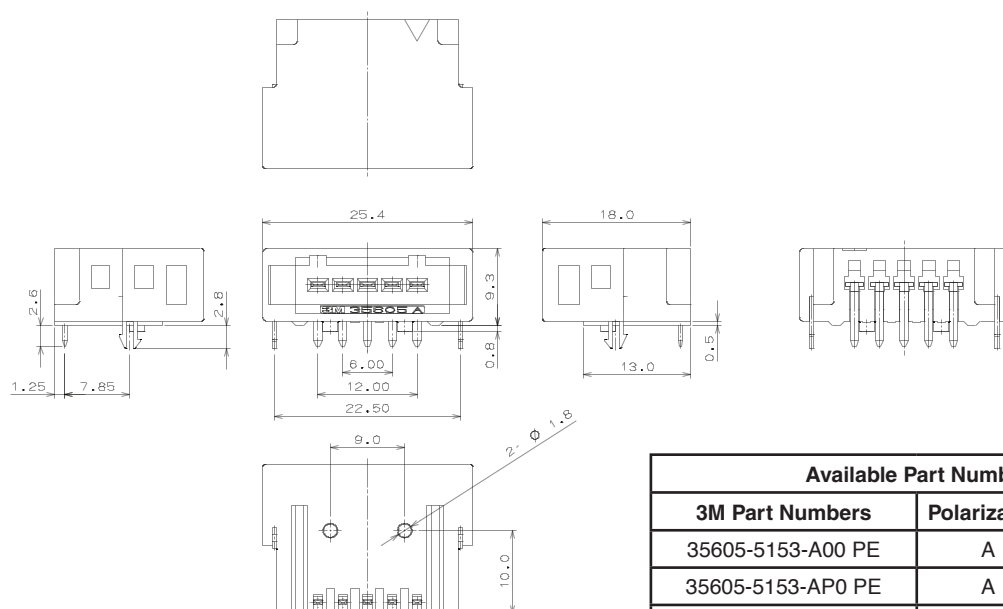
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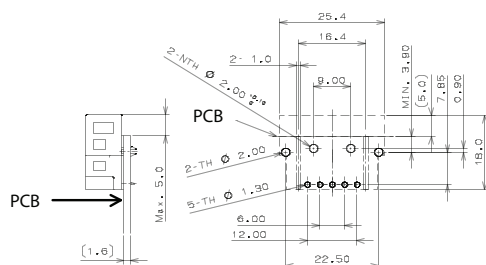
356 Series

1 Row Header



Available Part Numbers		
3M Part Numbers	Polarization	Standoff
35605-5153-A00 PE	A	0.5 mm
35605-5153-AP0 PE	A	1.7 mm
35605-5153-B00 PE	B	0.5 mm
35605-5153-BP0 PE	B	1.7 mm

Recommended Hole Pattern



Polarization Options



mm
[Inch]

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

[] Dimensions for Reference Only

Ordering Information

35605-5153-XX0 PE (RIA E1 and C1 Apply)

Polarization: _____ Height of Stand-off
 A: Type A (wide) 0: 0.5 mm - Standard
 B: Type B (narrow) P: 1.7 mm

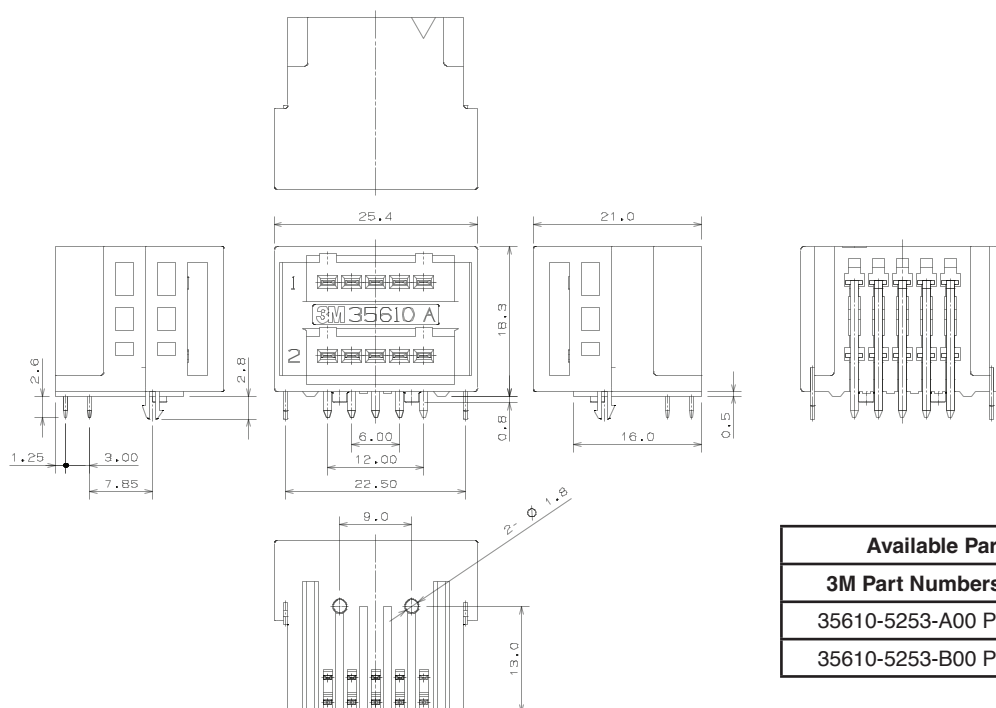
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3M™ Power Clamp Header

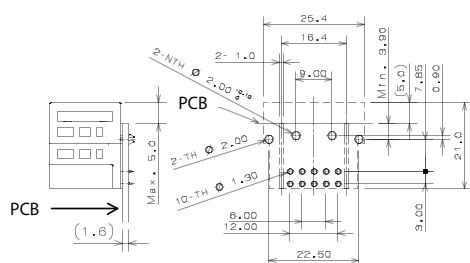
3 mm, Right Angle, 1 and 2 Row, 5 and 10 Contacts

356 Series

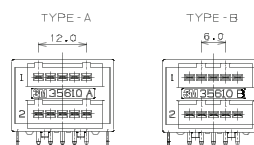
2 Row Header



Recommended Hole Pattern



Polarization Options



mm
[Inch]

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

[] Dimensions for Reference Only

Ordering Information

35610-5253-X00 PE (RIA E1 and C1 Apply)

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

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