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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 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](http://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  $\mu\text{m}$  Ni minimum  
Wiping Area: 0.5  $\mu\text{m}$  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:** 10<sup>3</sup> M $\Omega$  min. at 600 V<sub>DC</sub>

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

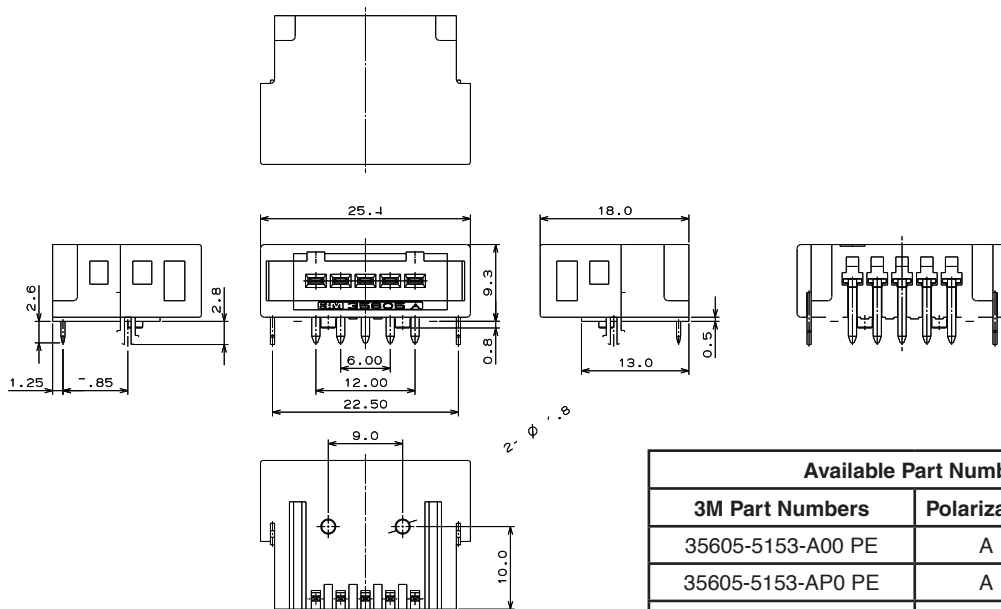
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# 3M™ Power Clamp Header

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

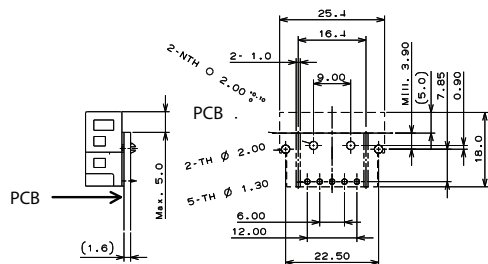
356 Series

## 1 Row Header

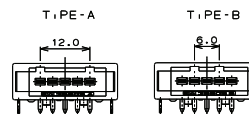


Available Part Numbers		
3M Part Numbers	Polarization	Standoff
35605-5153-A00 PE	A	0.5 mm
35605-5153-AP0 PE	A	1.7 mm
35605-5153-B00 PE	B	0.5 mm
35605-5153-BP0 PE	B	1.7 mm

### 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

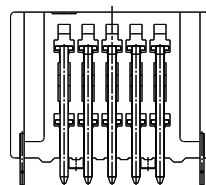
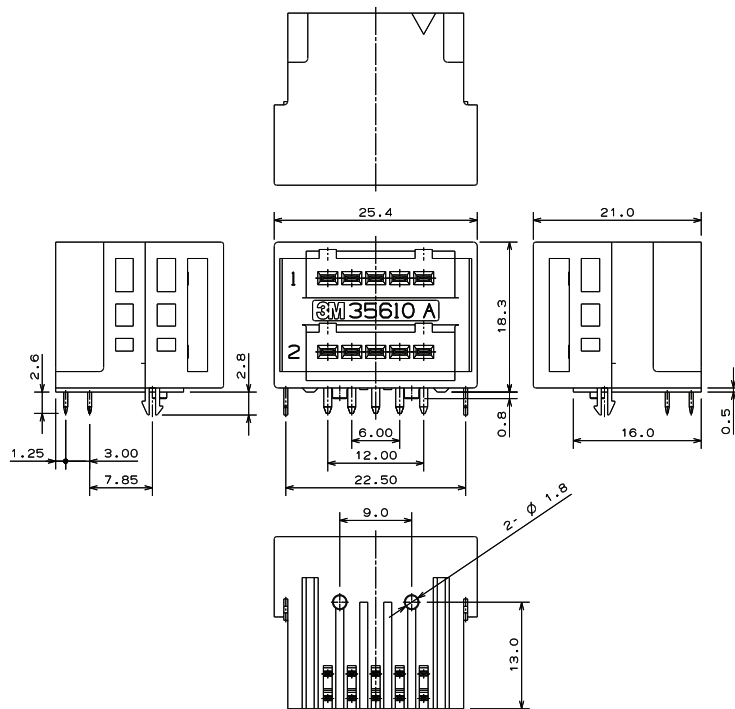
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# 3M™ Power Clamp Header

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

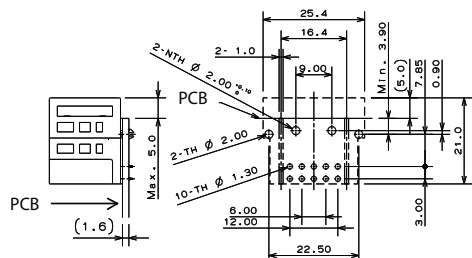
356 Series

## 2 Row Header

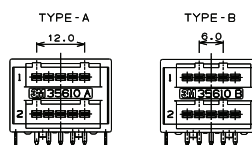


Available Part Numbers	
3M Part Numbers	Polarization
35610-5253-A00 PE	A
35610-5253-B00 PE	B

Recommended Hole Pattern



Polarization Options



mm  
[Inch]

Tolerance Unless Noted			
	.0	.00	.000
mm	$\pm 3$	$\pm 13$	$\pm 008$

[ ] 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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**3M Electronics Solutions Division**

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