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

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 Compatability:	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:	10^3 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

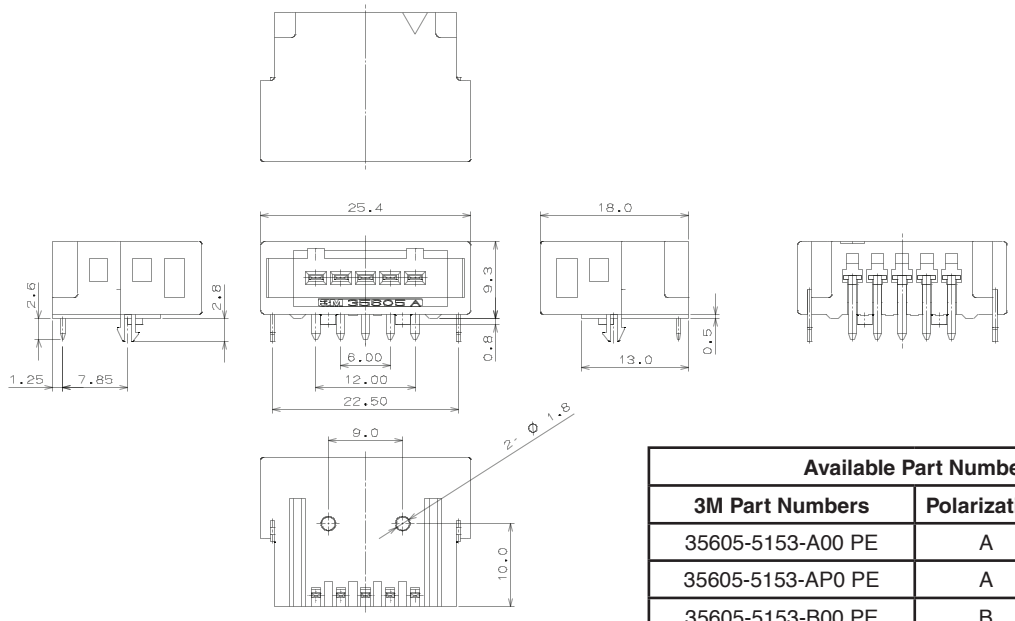
UL File No: E68080

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3M™ Power Clamp Header

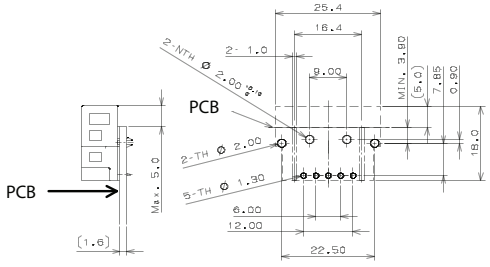
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1 Row Header

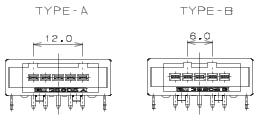


Available Part Numbers		
3M Part Numbers	**Polarization**	**Standoff**
35605-5153-A00 PE	A	0.5 mm
35605-5153-AP0 PE	A	1.7 mm
35605-5153-B00 PE	B	0.5 mm
35605-5153-BP0 PE	B	1.7 mm

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

Height of Stand-off
0: 0.5 mm - Standard
P: 1.7 mm

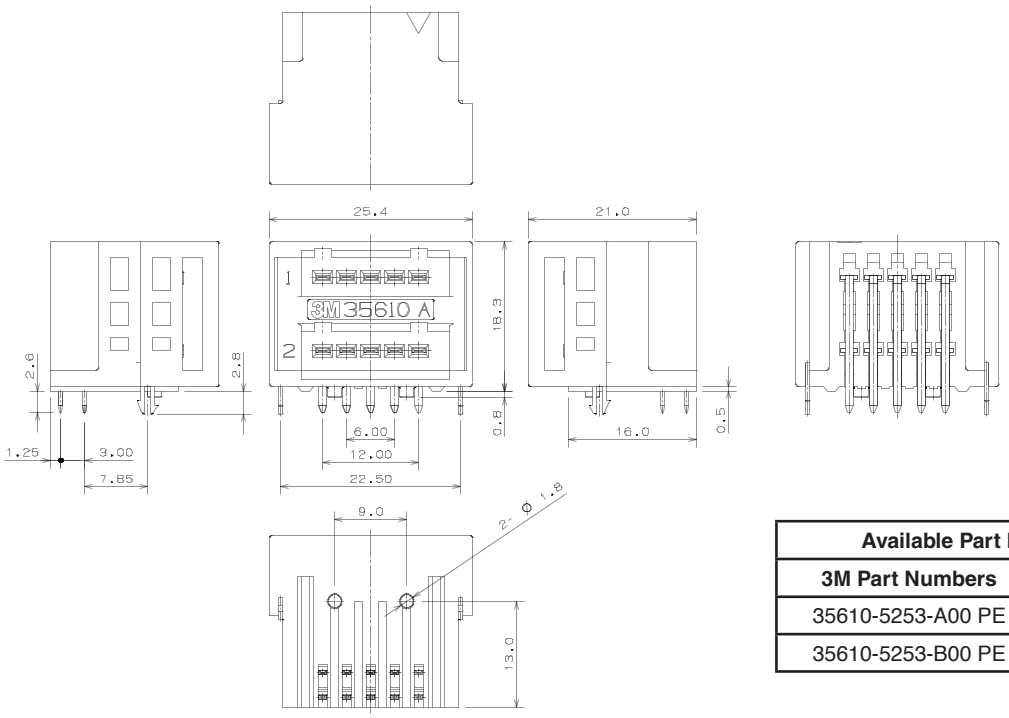
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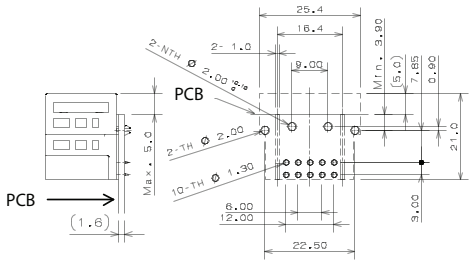
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2 Row Header

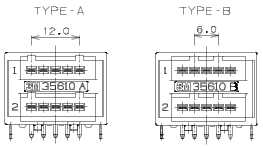


Available Part Numbers	
3M Part Numbers	**Polarization**
35610-5253-A00 PE	A
35610-5253-B00 PE	B

Recommended Hole Pattern



Polarization Options



mm
[Inch]

Tolerance Unless Noted			
	.0	.00	.000
mm	±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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