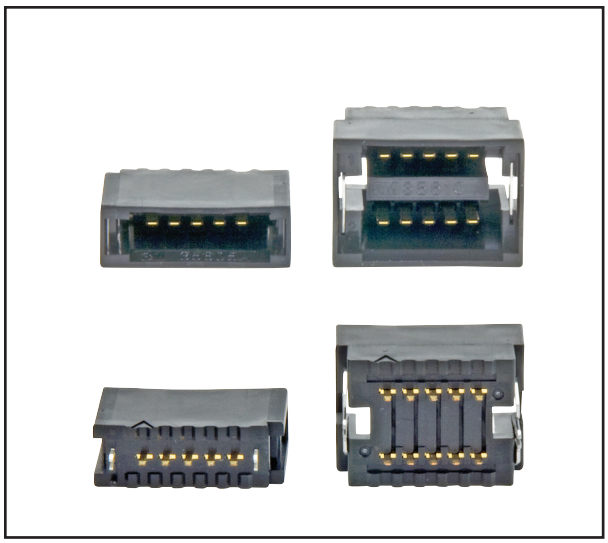
# 3M™ Power Clamp Header

3 mm, Straight, 1 and 2 Row, 5 and 10 Contacts 356 Series



- Accepts one or two Power Clamp Wiremount Sockets
- Accepts branch and terminator connectors
- Side to side stackable at 9 mm pitch on PCB
- Integrated press-fit board retention pins retain the connector to the board during wave soldering
- Polarization of retention pins on two-row header and polarization pin on one-row header prevent incorrect mounting.
- 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 paragraphs E1 and C1 of 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 TS-2274-C


## Physical

| | |
|---|---|
| **Insulation:** | |
| Body Material: | 1 Row - PBT, 2 Row - Nylon |
| 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, 35T series products (with same polarization) |

## Electrical

| | |
|---|---|
| **Current Rating:** | 18 AWG: 10A (1 contact/socket); 7A (2 - 5 contacts/socket)<br>20 AWG: 9A (1 contact/socket); 6A (2 - 5 contacts/socket)<br>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

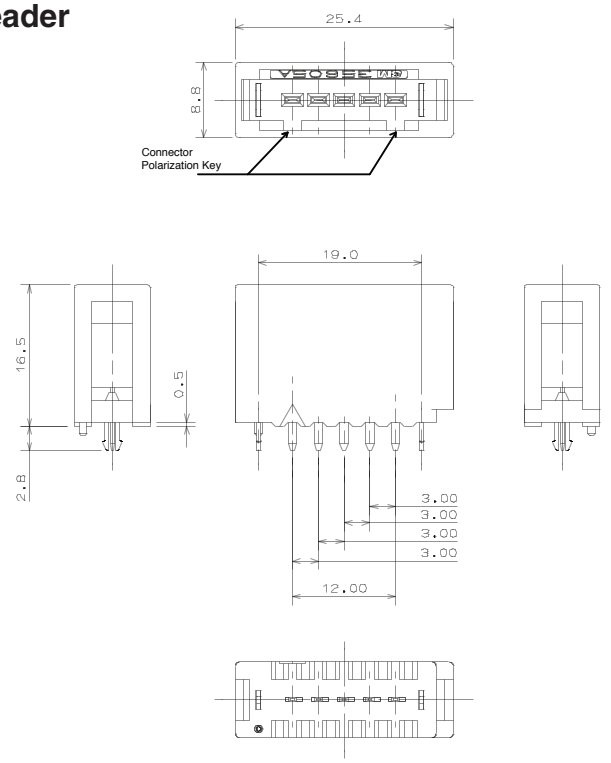
| | |
|---|---|
| **Process Rating:** | 260°C maximum for wave solder process<br>390°C for 3 seconds maximum for soldering iron |
| **Temperature Rating:** | -20°C to +75°C ambient<br>UL Rating: 65° C |

UL File No: E68080

# 3M™ Power Clamp Header

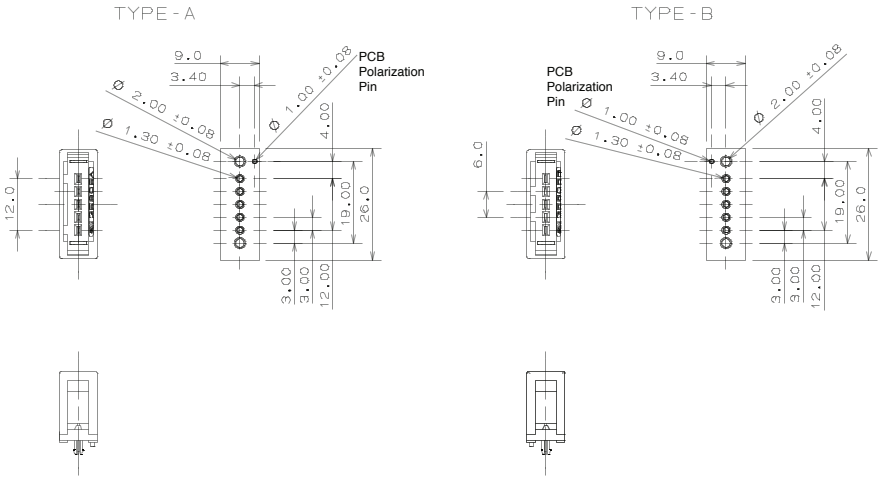
3 mm, Straight, 1 and 2 Row, 5 and 10 Contacts — 356 Series

## 1-Row Header




| Available Part Numbers | |
|---|---|
| **3M Part Number** | **Polarization** |
| 35605-6114-A00 PE | A |
| 35605-6114-B00 PE | B |

RECOMMENDED HOLE PATTERN




mm
[Inch]

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

[ ] Dimensions for Reference Only

## Ordering Information

**35605 - 6114 - X00 PE** (RIA E1 and C1 Apply)

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




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



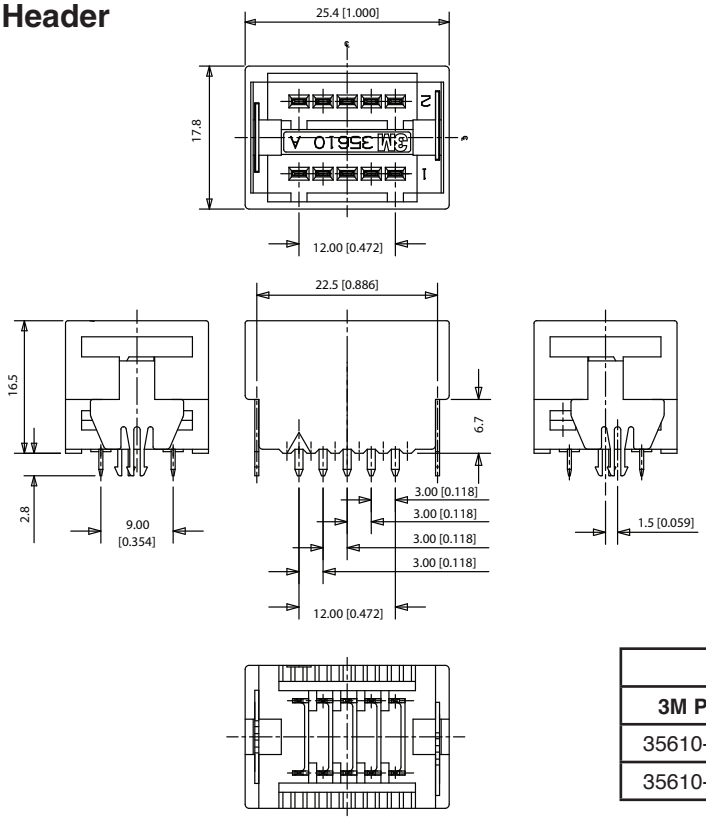
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# 3M™ Power Clamp Header

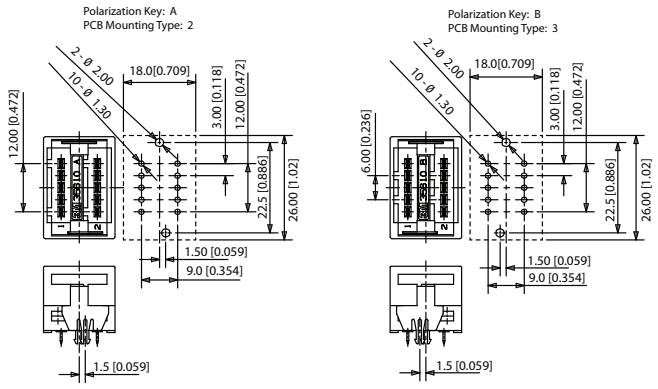
3 mm, Straight, 1 and 2 Row, 5 and 10 Contacts 356 Series

## 2-Row Header




| Available Part Numbers | | |
|---|---|---|
| **3M Part Number** | **Polarization** | **PCB Mounting** |
| 35610-6224-A00 PE | A | 2 |
| 35610-6234-B00 PE | B | 3 |

RECOMMENDED HOLE PATTERN




mm
[Inch]

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

[ ] Dimensions for Reference Only

## Ordering Information

**35610 - 62X4 - X00 PE** (RIA E1 and C1 Apply)

PCB Mounting Type:
2: Ø2.0 mm, +1.5 mm offset
3: Ø2.0 mm, -1.5 mm offset

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



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**3M Electronics Solutions Division**
6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
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