

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

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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 Compatibility: 355, 357, 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 M Ω 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/>

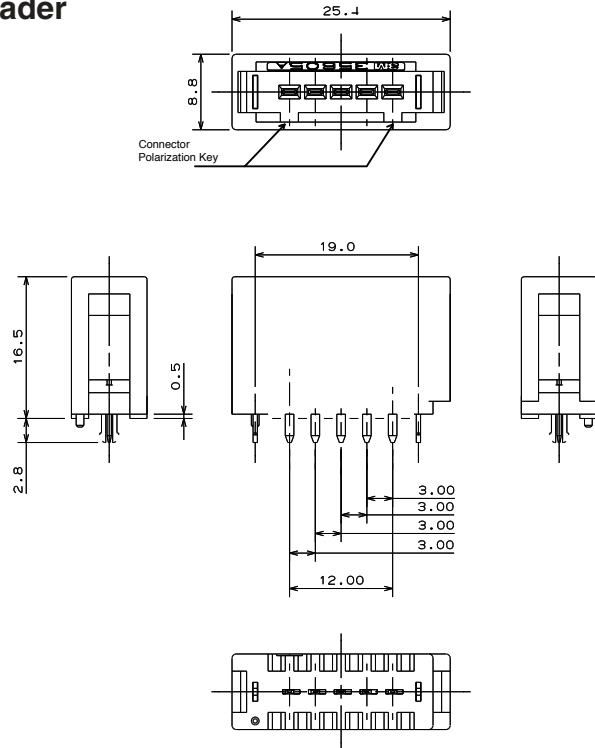
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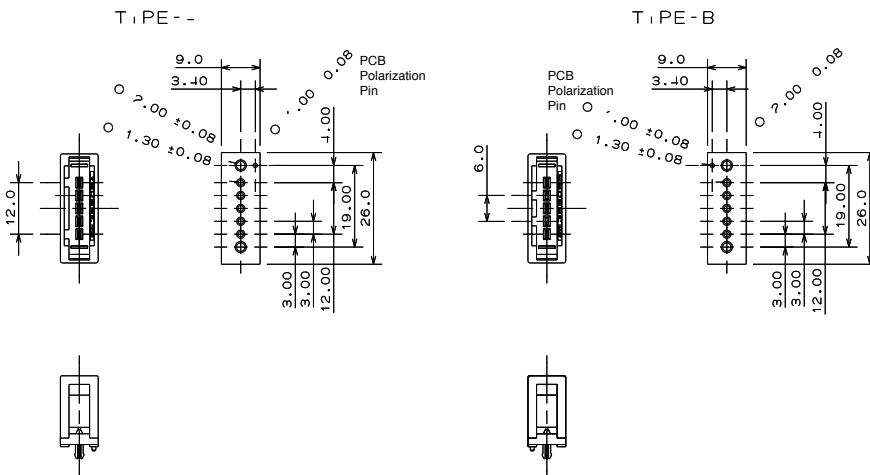
356 Series

1-Row Header



| Available Part Numbers | |
|------------------------|--------------|
| 3M Part 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)

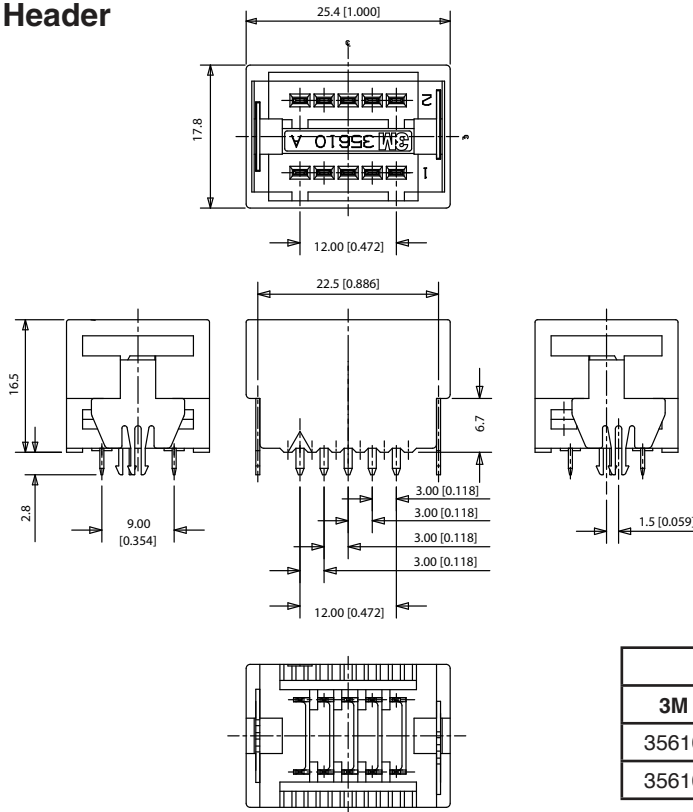
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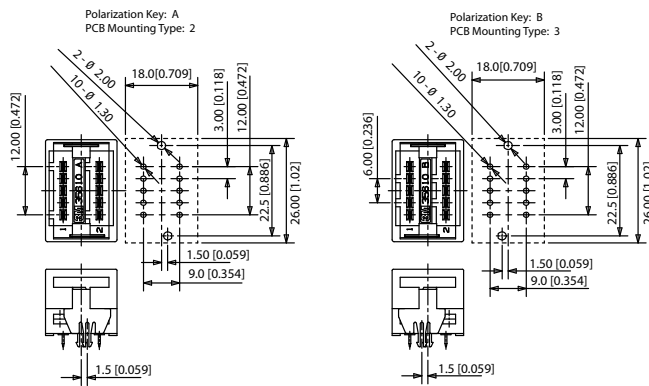
356 Series

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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