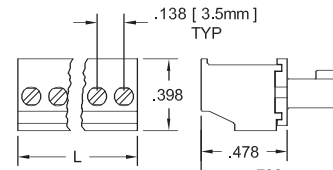
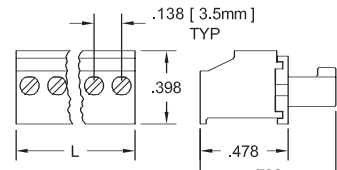
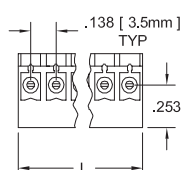
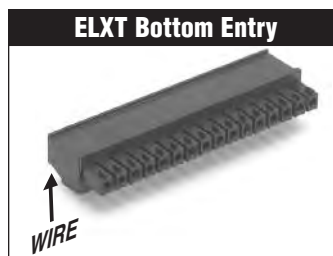
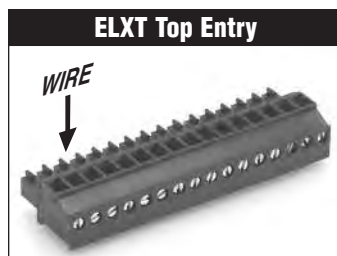
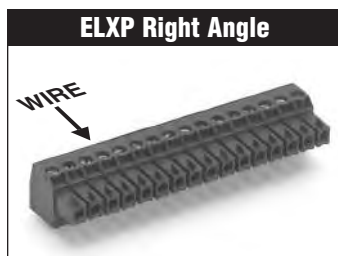


# ELXP/ELXT MINI-PLUGS Right Angle/Straight

3.5mm (.138")



| Pos | Catalog #<br>Black | Catalog #<br>Green | L<br>(mm) | Pos | Catalog #<br>Black | Catalog #<br>Green | L<br>(mm) | Pos | Catalog #<br>Black | Catalog #<br>Green | L<br>(mm) |
|-----|--------------------|--------------------|-----------|-----|--------------------|--------------------|-----------|-----|--------------------|--------------------|-----------|
| 2   | ELXP02100          | ELXP021G0          | 7.0       | 2   | ELXT02500          | ELXT025G0          | 7.0       | 2   | ELXT02600          | ELXT026G0          | 7.0       |
| 3   | ELXP03100          | ELXP031G0          | 10.5      | 3   | ELXT03500          | ELXT035G0          | 10.5      | 3   | ELXT03600          | ELXT036G0          | 10.5      |
| 4   | ELXP04100          | ELXP041G0          | 14.0      | 4   | ELXT04500          | ELXT045G0          | 14.0      | 4   | ELXT04600          | ELXT046G0          | 14.0      |
| 5   | ELXP05100          | ELXP051G0          | 17.5      | 5   | ELXT05500          | ELXT055G0          | 17.5      | 5   | ELXT05600          | ELXT056G0          | 17.5      |
| 6   | ELXP06100          | ELXP061G0          | 21.0      | 6   | ELXT06500          | ELXT065G0          | 21.0      | 6   | ELXT06600          | ELXT066G0          | 21.0      |
| 7   | ELXP07100          | ELXP071G0          | 24.5      | 7   | ELXT07500          | ELXT075G0          | 24.5      | 7   | ELXT07600          | ELXT076G0          | 24.5      |
| 8   | ELXP08100          | ELXP081G0          | 28.0      | 8   | ELXT08500          | ELXT085G0          | 28.0      | 8   | ELXT08600          | ELXT086G0          | 28.0      |
| 9   | ELXP09100          | ELXP091G0          | 31.5      | 9   | ELXT09500          | ELXT095G0          | 31.5      | 9   | ELXT09600          | ELXT096G0          | 31.5      |
| 10  | ELXP10100          | ELXP101G0          | 35.0      | 10  | ELXT10500          | ELXT105G0          | 35.0      | 10  | ELXT10600          | ELXT106G0          | 35.0      |
| 11  | ELXP11100          | ELXP111G0          | 38.5      | 11  | ELXT11500          | ELXT115G0          | 38.5      | 11  | ELXT11600          | ELXT116G0          | 38.5      |
| 12  | ELXP12100          | ELXP121G0          | 42.0      | 12  | ELXT12500          | ELXT125G0          | 42.0      | 12  | ELXT12600          | ELXT126G0          | 42.0      |
| 13  | ELXP13100          | ELXP131G0          | 45.5      | 13  | ELXT13500          | ELXT135G0          | 45.5      | 13  | ELXT13600          | ELXT136G0          | 45.5      |
| 14  | ELXP14100          | ELXP141G0          | 49.0      | 14  | ELXT14500          | ELXT145G0          | 49.0      | 14  | ELXT14600          | ELXT146G0          | 49.0      |
| 15  | ELXP15100          | ELXP151G0          | 52.5      | 15  | ELXT15500          | ELXT155G0          | 52.5      | 15  | ELXT15600          | ELXT156G0          | 52.5      |
| 16  | ELXP16100          | ELXP161G0          | 56.0      | 16  | ELXT16500          | ELXT165G0          | 56.0      | 16  | ELXT16600          | ELXT166G0          | 56.0      |
| 17  | ELXP17100          | ELXP171G0          | 59.5      | 17  | ELXT17500          | ELXT175G0          | 59.5      | 17  | ELXT17600          | ELXT176G0          | 59.5      |
| 18  | ELXP18100          | ELXP181G0          | 63.0      | 18  | ELXT18500          | ELXT185G0          | 63.0      | 18  | ELXT18600          | ELXT186G0          | 63.0      |
| 19  | ELXP19100          | ELXP191G0          | 66.5      | 19  | ELXT19500          | ELXT195G0          | 66.5      | 19  | ELXT19600          | ELXT196G0          | 66.0      |
| 20  | ELXP20100          | ELXP201G0          | 70.0      | 20  | ELXT20500          | ELXT205G0          | 70.0      | 20  | ELXT20600          | ELXT206G0          | 70.0      |
| 21  | ELXP21100          | ELXP211G0          | 73.5      |     |                    |                    |           |     |                    |                    |           |
| 22  | ELXP22100          | ELXP221G0          | 77.0      |     |                    |                    |           |     |                    |                    |           |
| 23  | ELXP23100          | ELXP231G0          | 80.5      |     |                    |                    |           |     |                    |                    |           |
| 24  | ELXP24100          | ELXP241G0          | 84.0      |     |                    |                    |           |     |                    |                    |           |

See page 13 for gold plating and marking options

## SPECIFICATIONS:

**Current Rating:** 12A  
**Operating Voltage:** 300V  
**Insulation Resistance:**  $>10^3$  Megohms  
**Dielectric Withstanding:**  $<1600$ V  
**Wire Pullout Force:**  
 Per UL 486E, Section 14

## MATERIALS:

**Housing:** Polyamide, UL 94V-0, black or green  
**Contact:** Copper alloy, optional finish  
**Clamp Screw:** Copper alloy, nickel finish  
**Wire Clamp:** Copper alloy, nickel finish

## WIRE INSTALLATION:

**Wire Range:** #16-28 AWG  
**Wire Strip Length:** 0.25"  
**Recommended Tightening Torque:**  
 2.2 lb-in. (0.25N-m)

## APPROVALS:

Consult factory for specific product recognitions

## POLARIZING KEYS FOR ELV AND ELX

ELV and ELX family headers are designed to accept tabs which lock into keyways in the body moldings, and can be configured to ensure correct mating of physically similar but electrically unique plugs and headers—and to prevent incorrect mating of the wrong connectors.

Keying is accomplished without loss of a contact position.

In order to key a mated plug and header pair, the header is configured with the appropriate keys, and the plug is modified by trimming off the protruding tabs on the corresponding contact positions. The bright yellow tabs provide a visual and physical confirmation of correct mating.

For handling convenience, keys are supplied in rings of eight. Order Part No. 300800000.

## MARKING LABELS

Stick-on marking labels, printed on vinyl cloth, are available in two versions:

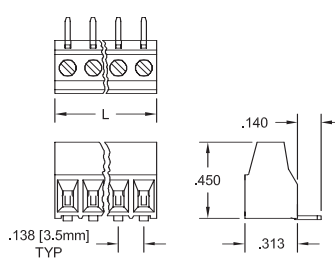
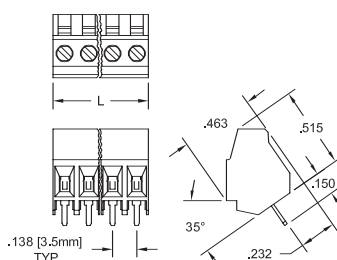
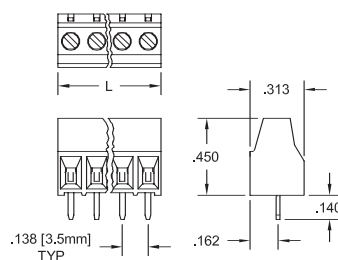
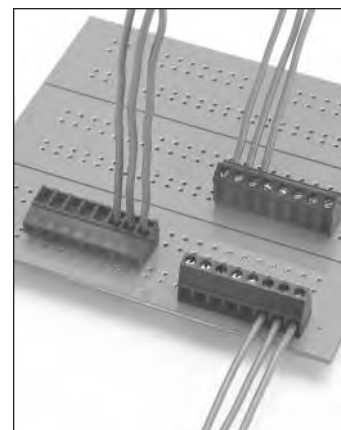
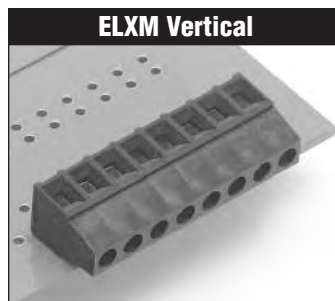
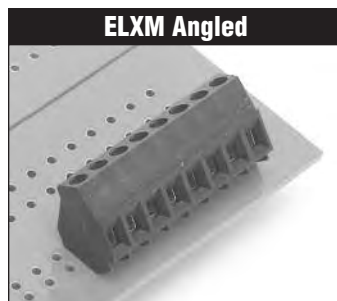
ELVLABEL1: Nos. 1-10  
 ELVLABEL2: Nos. 11-20

Labels are supplied in sheets containing 25 peel-off strips.

**Amphenol Pcd**

# ELXM Fixed Terminal Blocks SMT Compatible

**3.5mm (.138")**



ELXM 3.5mm spacing wire-to-board terminal blocks are available in vertical, horizontal and angled wire entry variations.

## SMT Compatibility

The ELXM is suitable for SMT reflow solder PCB manufacturing processes as well as wave solder, providing users with additional flexibility and maximizing production efficiencies by eliminating secondary solder operations. Terminal blocks are molded of ultra-high-temperature, glass-filled polyamide that will withstand temperatures of 260°C during PCB production.

Moving cage clamp wire termination assures repeated, high-reliability connections. The housing is molded to size. Blocks are available in sizes 2 to 10, and can be stacked side-to-side on a board without loss of a contact position.

| Pos | Catalog #<br>Black | Catalog #<br>Green | L<br>(In.) | Pos | Catalog #<br>Black | Catalog #<br>Green | L<br>(In.) | Pos | Catalog #<br>Black | Catalog #<br>Green | L<br>(In.) |
|-----|--------------------|--------------------|------------|-----|--------------------|--------------------|------------|-----|--------------------|--------------------|------------|
| 2   | ELXM02100          | ELXM021G0          | 7.0        | 2   | ELXM02300          | ELXM023G0          | 7.0        | 2   | ELXM02900          | ELXM029G0          | 7.0        |
| 3   | ELXM03100          | ELXM031G0          | 10.5       | 3   | ELXM03300          | ELXM033G0          | 10.5       | 3   | ELXM03900          | ELXM039G0          | 10.5       |
| 4   | ELXM04100          | ELXM041G0          | 14.0       | 4   | ELXM04300          | ELXM043G0          | 14.0       | 4   | ELXM04900          | ELXM049G0          | 14.0       |
| 5   | ELXM05100          | ELXM051G0          | 17.5       | 5   | ELXM05300          | ELXM053G0          | 17.5       | 5   | ELXM05900          | ELXM059G0          | 17.5       |
| 6   | ELXM06100          | ELXM061G0          | 21.0       | 6   | ELXM06300          | ELXM063G0          | 21.0       | 6   | ELXM06900          | ELXM069G0          | 21.0       |
| 7   | ELXM07100          | ELXM071G0          | 24.5       | 7   | ELXM07300          | ELXM073G0          | 24.5       | 7   | ELXM07900          | ELXM079G0          | 24.5       |
| 8   | ELXM08100          | ELXM081G0          | 28.0       | 8   | ELXM08300          | ELXM083G0          | 28.0       | 8   | ELXM08900          | ELXM089G0          | 28.0       |
| 9   | ELXM09100          | ELXM091G0          | 31.5       | 9   | ELXM09300          | ELXM093G0          | 31.5       | 9   | ELXM09900          | ELXM099G0          | 31.5       |
| 10  | ELXM10100          | ELXM101G0          | 35.0       | 10  | ELXM10300          | ELXM103G0          | 35.0       | 10  | ELXM10900          | ELXM109G0          | 35.0       |

## INSTALLATION:

**Wire Range:** 16-28 AWG  
**Wire Strip Length:** .250"  
**Recommended Tightening Torque:**  
 2.2 lb-in. (0.25N-m)  
**Hole Diameter:** .047 min.

## MATERIALS:

**Housing:** Polyamide 4/6, UL 94V-0, black or green  
**Contact:** Brass, optional finish  
**Clamp Screw:** Copper alloy, nickel finish  
**Wire Clamp:** Copper alloy, nickel finish

## SPECIFICATIONS:

**Current Rating:** 12A  
**Operating Voltage:** 300V  
**Insulation Resistance:** >10<sup>5</sup> Megohms  
**Dielectric Withstanding:** <3000V  
**Wire Pullout Force:**  
 Per UL 486E, Section 14

## APPROVALS:

     
 Consult factory for specific product recognitions

**Amphenol Pcd**