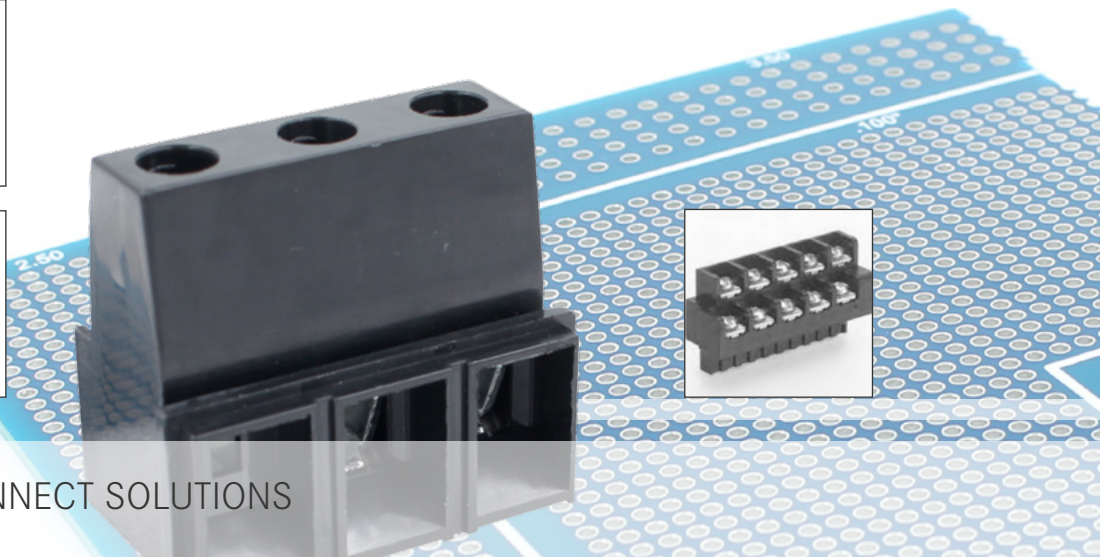
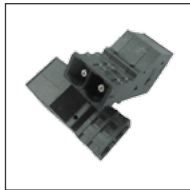


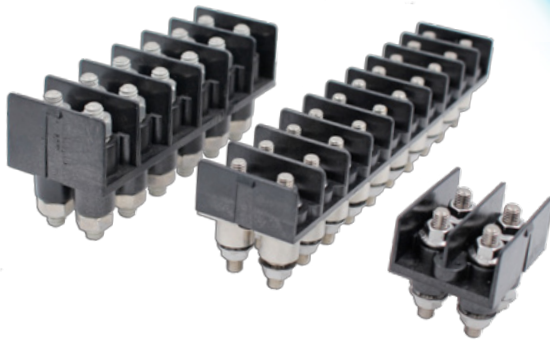


AMPHENOL PCD SHENZHEN



INTERCONNECT SOLUTIONS

INDUSTRIAL TERMINAL BLOCKS

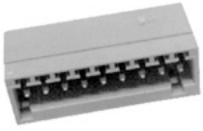


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PART NUMBER INDEX

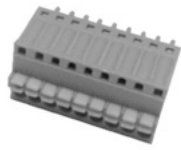
Part number	Page Number	Part number	Page Number	Part number	Page Number
EL1M/2M/3M.....	P.46	ELOZ.....	P.36	ESBM.....	P.39
EL3V.....	P.41	ELTH.....	P.33	ESDM.....	P.37
ELC.....	P.63	ELTP.....	P.33-34	ESGM.....	P.54
ELD.....	P.64	ELVA.....	P.15	ESLM.....	P.45
ELE.....	P.65	ELVD.....	P.16	ESLT.....	P.47-48
ELFA.....	P.27	ELVF.....	P.18	ESMM.....	P.54
ELFB.....	P.28	ELVH.....	P.13	ESMT.....	P.49-50
ELFD.....	P.26	ELVK.....	P.18	ESPM.....	P.53
ELFF.....	P.22	ELVM.....	P.40	ESTM.....	P.54
ELFH.....	P.24-25	ELVP.....	P.17	ESTT.....	P.51-52
ELFK.....	P.23	ELVR.....	P.14	FXP.....	P.32
ELFP.....	P.21	ELVT.....	P.17	FXTH.....	P.55
ELFP-P.....	P.20	ELXA.....	P.15	SCFC.....	P.12-30
ELFS.....	P.20	ELXH.....	P.13	SCFF.....	P.31
ELFT.....	P.21	ELXM.....	P.40	SCM.....	P.42
ELFY.....	P.29	ELXP.....	P.17	SCVF.....	P.19
ELH.....	P.62	ELXR.....	P.14	SMVM.....	P.38
ELI.....	P.66	ELXT.....	P.17	SMXM.....	P.38
ELM.....	P.43-44-56	ELZH.....	P.12		
ELMM.....	P.45	EPBS.....	P.59-60-61		
ELMP.....	P.57-58	EPCH.....	P.35		
ELQP.....	P.36	EPCP.....	P.35		

.098" Pitch



ELZH Header – p.12

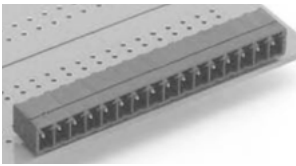
4A / 125V



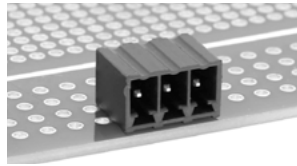
SCFC Spring Clamp Plug: p.12

4A / 125V

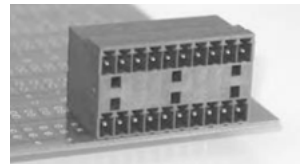
.138"/.150" Pitch



ELXH/ELVH Headers – p.13
ELXH/ELVH Headers w/ears
12A / 300V



ELXR/ELVR Headers – p.14
ELXR/ELVR Headers w/ears
12A / 300V

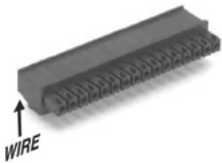


ELXA/ELVA 2-Tier Headers – p.15
ELXA/ELVA w/ears
12A / 300V



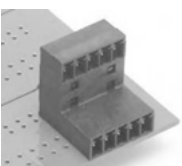
ELXP/ELVP Plugs – p.17
ELXP/ELVP Plugs w/ears
12A / 300V

.138"/.150" Pitch



ELXT/ELVT Plugs – p.17
ELXT/ELVT Plugs w/ears
12A / 300V

.150" Pitch



ELVD Header – p.16

12A / 300V



ELVK Plug – p.18
ELVK Plug w/ears
12A / 300V



ELVF Plug – p.18
ELVF Plug w/ears
12A / 300V

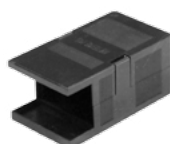


SCVF Plug – p.19
SCVF Plug w/ears
10A / 300V

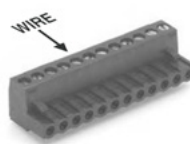
.197"/.200" Pitch



ELFP-P Strain Relief Plug – p.20
ELFP-P w/ears
15A / 300V



ELFS Wire Cable Hood
for ELFP Plug – p.20
15A / 300V

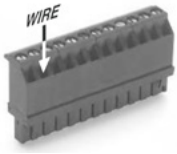


ELFP Plug – p.21
ELFP Plug w/ears
15A / 300V

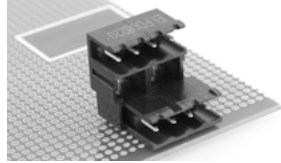


ELFT Plug – p.21
ELFT Plug w/ears
15A / 300V

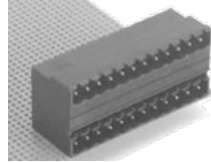
.197"/.200" Pitch



ELFF Plug – p.22
ELFF w/ears | ELFF Offset Nose
15A / 300V

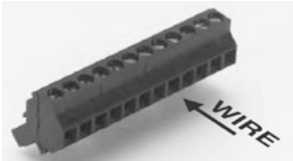


ELFD 2-Tier Offset Header – p.26
15A / 300V

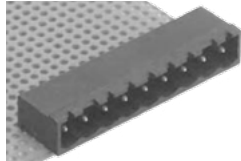


ELFA 2-Tier Header – p.27
ELFA 2-Tier w/ears
15A / 300V

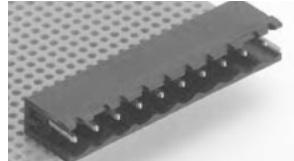
.197"/.200"/.300" Pitch



ELFK 45° Angle Plug – p.23
ELFK 45° Angle Plug w/ears
15A / 300V

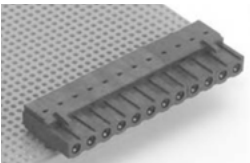


ELFH Closed Ends Header – p.24
ELFH Closed Ends Header w/ears
15A / 300V



ELFH Open Ends Header – p.25
ELFH Open Ends Header w/ears
15A / 300V

.200" Pitch



ELFB Board Mount Plug – p.28
ELFB w/ears
15A / 300V



ELFY Male Header – p.29
15A / 300V



SCFC Spring Clamp Plug – p.30
10A / 300V



SCFF Plug – p.31
15A / 300V

.200" Pitch



FXP FlexiPlug – p.32
Euro/Screw-clamp Hybrid
15A / 300V

.300" Pitch



ELTH Header – p.33
31A / 300V



ELTP Spring Clamp Plug – p.33
31A / 300V



ELTP Crimp Plug – p.34
30A / 300V



EPCH Header – p.35
20A / 300V

.300" Pitch



EPCP Right Angle – p.35

20A / 300V

.400" Pitch



ELQP Spring Clamp Plug – p.36

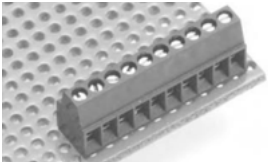
66A / 600V



ELQZ Spring Clamp
Male Header – p.36

66A / 600V

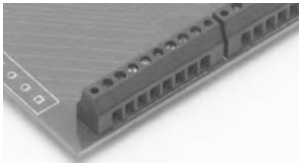
.100" Pitch



ESDM Ultra-miniature – p.37

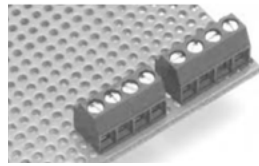
10A / 150V

.138" / .150" Pitch



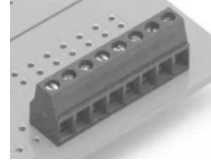
SMXM Surface - Mount – p.38
SMVM Surface - Mount – p.38

12A / 300V



ESBM Low-profile – p.39

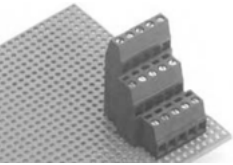
12A / 150V



ELXM/ELVM – p.40

12A / 300V

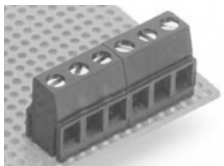
.150" Pitch



EL3V 3-Tier – p.41

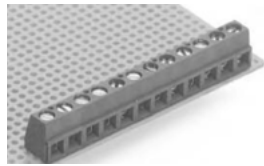
12A / 300V

.197"/.200" Pitch



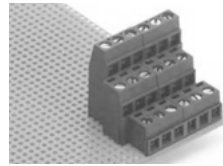
ELM Standard Profiles – p.43

15A / 300V



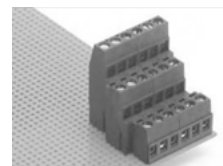
ESLM Low-profile R/A – p.45

13.5A / 300V



ESLT Multi-tier – p.47, p.48

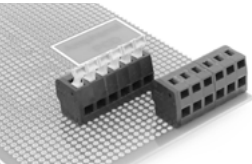
13.5A / 300V



ESMT Multi-tier – p.49, p.50

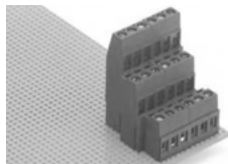
17.5A / 300V

.197"/.200" Pitch



SCM w/lever – p.42
SCM w/o Lever

20A / 300V



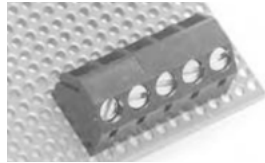
ESTT Multi-tier – p.51, p.52

24A / 300V

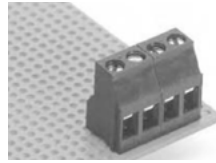
.200" Pitch



ELM Series with Press Fit installation – p.44
10A / 300V

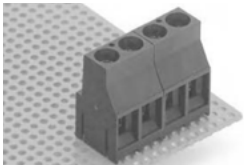


ELMM Low-profile, Angled – p.45
10A / 300V



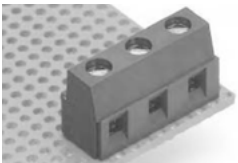
EL1M/2M/3M – p.46
20A / 300V

.250" / .375" Pitch



ESPM High current – p.53
30A / 300V

.295" / .300" Pitch



ESGM, ESMM, ESTM – p.54
17.5A (24A ESTM) / 300V

.300" Pitch

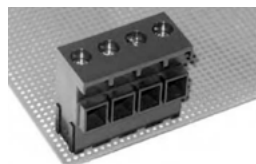


FXTH Single Tier – p.55
41A / 300V

.400" Pitch

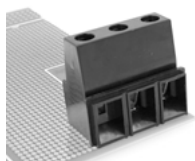


ELM Fixed – p.56
55A / 300V



ELMP Power – p.57
60A / 300V

.591" Pitch



ELMP High current – p.58

75A / 600V

.600" Pitch



FXTH 2-Tier – p.55

41A / 300V

.610" Pitch



EPBS .610" – p.59

80A / 300V

.650" Pitch



EPBS .650" – p.60

85A / 300V

.730" Pitch



EPBS .730" – p.61

175A / 300V

.100" Pitch



ELH Single & Double Density – p.62
5A / 250V

.156" Pitch



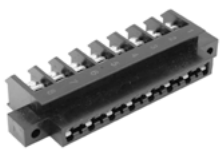
ELC Single & Double-Sided – p.63
5A / 250V

.200" Pitch



ELD Single & Double-Sided – p.64
10A / 300V

.375" Pitch



ELE Screw-Barrier – p.65
10A



ELI Screw-Barrier – p.66
10A

ISO QUALITY STANDARD

Amphenol PCD Shenzhen is certified to ISO 9001 and AS9100:2001, covering the design and manufacture of electronic connectors and interconnect systems.



Certification No. C2004-00140

CURRENT RATING

In accordance with UL1059, terminal block current rating is based on the maximum continuous current load that can be applied to a terminal block without a temperature rise greater than 30°C. To verify current rating, three or more poles of a terminal block are wired in series with the largest rated conductor size. Block temperature is monitored with a thermocouple mounted to the center position as current is applied. Once temperature stabilizes, maximum temperature and temperature rise over ambient are recorded. Testing is conducted in a nominal 25°C ambient. Temperatures are considered stabilized when three successive readings at 15 minute intervals are constant. (See graph below.)

UNDERWRITERS LABORATORY



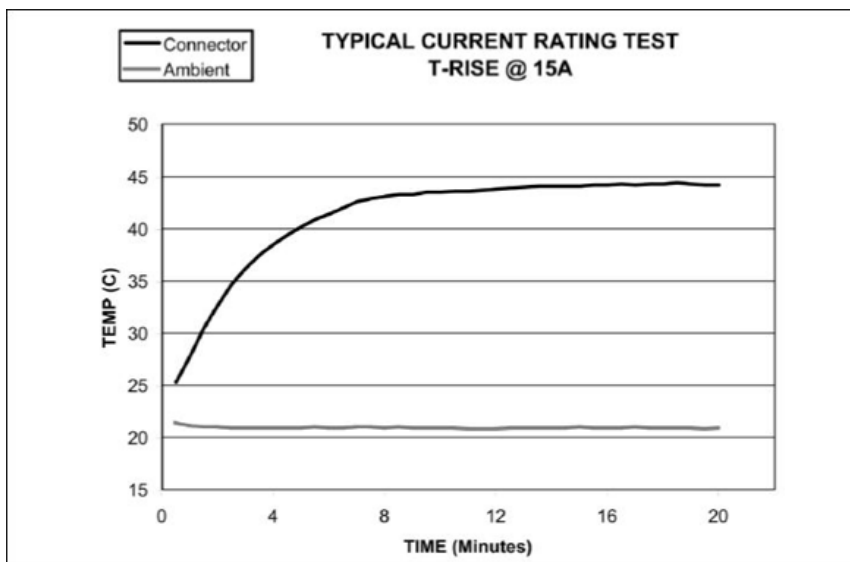
File No. E83421

TUV PRODUCT SERVICE



File No. BL 99 10 20396 003
DIN VDE 0627:1986 DIN VDE
0110-1:1989

EN 60947-1:1991 EN 60947-7-
1:1992



OPERATING VOLTAGE

Operating voltage is dependent on conductor spacing, insulation material and workmanship. For a given voltage rating, terminal blocks are tested, in accordance with UL1059, at twice the rated voltage plus 1000V. The block must withstand this test voltage without dielectric breakdown - arcing through or over the insulating material - for one minute. Testing is performed immediately following the current rating test, while blocks are still heated, and looks for breakdown both between live block elements which are not interconnected, and between live elements and the surface to which the terminal block is mounted.

Amphenol PCD Shenzhen designs, manufactures and markets electronic connectors, interconnect systems and related accessories to the industrial equipment, railway and hybrid electrical vehicle industries.

Customized Interconnect Packages

Amphenol Corporation's broad technical, product and manufacturing resources enable Amphenol PCD Shenzhen to provide exceptional performance in the area of customized system development - application specific packaging which blends both Corporate and Amphenol PCD Shenzhen products and know-how to provide customers with rapid, well-engineered and cost-effective custom solutions to interconnect problems. User inquiries are welcome.

Amphenol PCD Shenzhen Philosophy

As a basic business philosophy, Amphenol PCD Shenzhen is dedicated to concentrating on those advanced and challenging market segments which demand an extraordinary level of supplier support and reaction. The approach to implement this strategy is based on the following key principles:

FOCUS: Concentrate all resources on serving a limited number of tightly defined markets, and understanding the needs of those markets.

INNOVATION: Provide these markets new, creative solutions in both products and services.

RESPONSIVENESS: Identify and respond to the market and product needs more rapidly than any other supplier.

Performance is the sum of these principles. It is the measure of how well we continually and consistently implement basic strategy and key principles. At Amphenol PCD Shenzhen our primary goal is to provide our customers and markets with a steady record of outstanding performance.



Contact Us

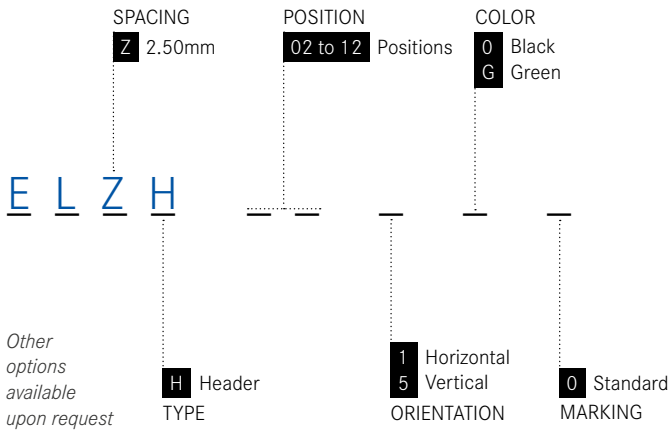
Building 21
1st Liao Keng Industrial Zone
Shi Yan Street, Bao An District Shenzhen 518108
China

Tel.: +86 755-8173-8000
Fax: +86 755-8173-8180
Email: inquiry@amphenolpcd.com.cn

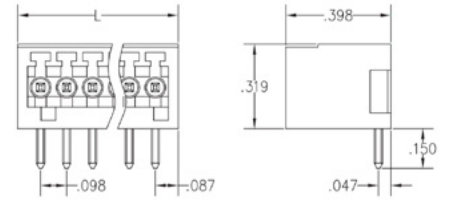
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ELZH MINI-HEADERS

ELZH headers are molded of ultra-high-temperature polyamide, which will withstand temperatures to 260°C during the PCB production process, and are compatible with SMT reflow soldering as well as wave soldering processes. The headers are available in vertical and horizontal versions. A shrouded design and keying capability prevent mismatching. Headers mate with PCD SCFC and competitive 2.50mm pluggable terminal blocks.

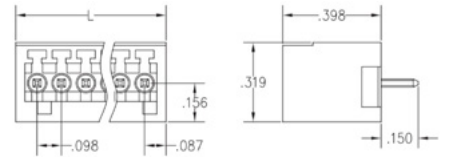


ELZH Horizontal



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELZH02100	ELZH021G0	.272	12	ELZH12100	ELZH121G0	1.257

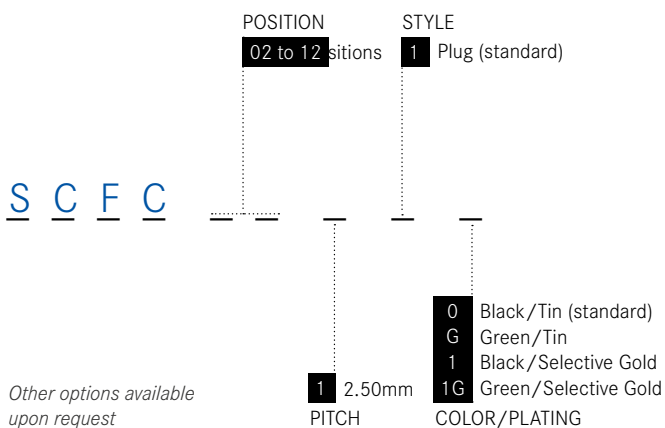
ELZH Vertical



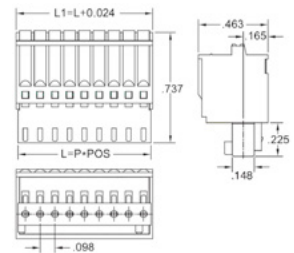
Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELZH02500	ELZH025G0	.272	12	ELZH12500	ELZH125G0	1.257

SCFC SPRING CLAMP PLUG

2.50mm spacing SCFC spring-clamp plugs utilize a stainless steel clamping spring to provide "screwless" wire termination. Convenient "front-front" design permits both wire entry and spring actuation from the same connector surface, simplifying operation. SCFC plugs mate with the complete range of ELZH header, as well as compatible competitive headers.



SCFC



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	SCFC02110	SCFC0211G	.197	12	SCFC12110	SCFC1211G	1.181

INSTALLATION

When used with stranded wire, an actuating button is depressed to open the clamp and facilitate wire insertion. Releasing the button captures the wire in a gas-tight, high pressure contact.

VARIATIONS

Plugs are available in black or green with tin-lead plating, standard.

SPECIFICATIONS

Current Rating: 4A
Operating Voltage: 125V
Insulation Resistance: >10³ Megohms
Dielectric Withstanding: <1250V

MATERIALS

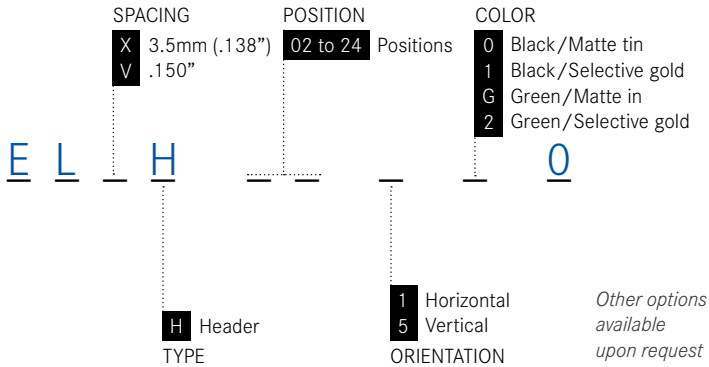
Housing: Polyamide, UL 94V-0, black or green
Contact: Copper alloy, optional finish

HEADER INSTALLATION

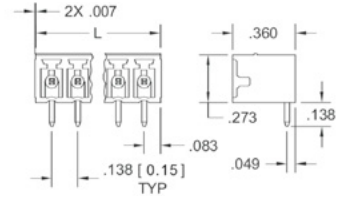
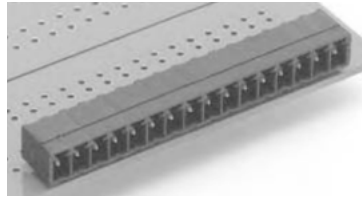
Hole Diameter: .047" min.

ELXH / ELVH HEADERS

ELXH/VH headers are molded of ultra-high-temperature polyamide, which will withstand temperatures to 260°C during the PCB production process, and are compatible with SMT reflow soldering as well as wave soldering processes. The headers are available in vertical and horizontal versions. A shrouded design and keying capability prevent mismatching. Headers mate with PCD and competitive 3.5mm pluggable terminal blocks. Multiple PCD ELX/ELV plugs can be stacked end-to-end in a header without loss of a contact position.

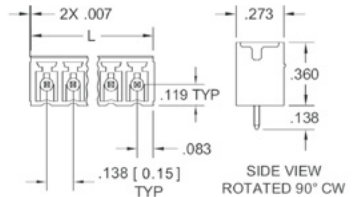
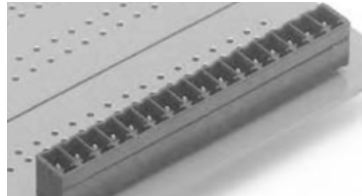


ELXH / ELVH Horizontal



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXH02100	ELXH021G0	.304	2	ELVH02100	ELVH021G0	.332

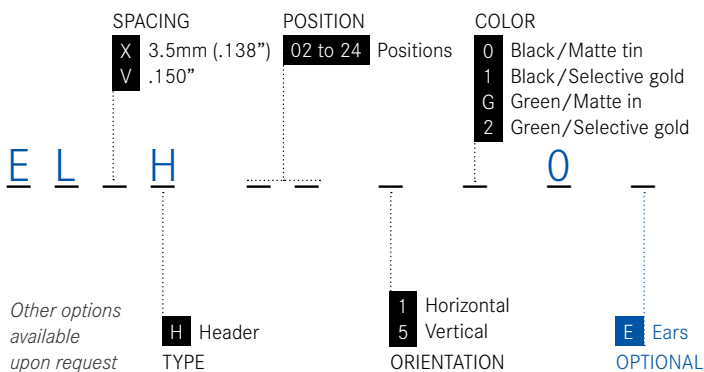
ELXH / ELVH Vertical



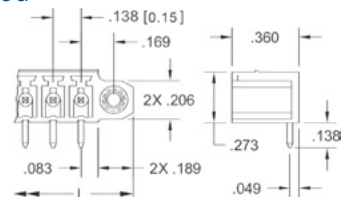
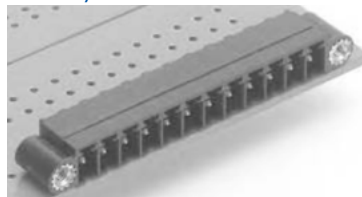
Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXH02500	ELXH025G0	.304	2	ELVH02500	ELVH025G0	.332

ELXH / ELVH HEADERS WITH LOCKING EARS

The integrally molded locking ears are available with ELXH/VH series headers. Plug ears hold a captive floating, slot-head locking screw that engages a threaded insert on the header ear. The mounting screw is tightened after plug and header are firmly mated, securing the connection. All headers indicated on these pages are intermateable with industry standard 3.5mm/3.81mm plugs.

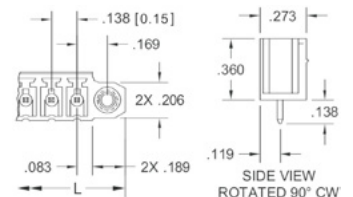
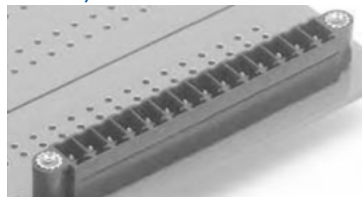


ELXH / ELVH Horizontal - Eared



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXH02100E	ELXH021G0E	.682	2	ELVH02100E	ELVH021G0E	.710

ELXH / ELVH Vertical - Eared



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXH02500E	ELXH025G0E	.682	2	ELVH02500E	ELVH025G0E	.710

SPECIFICATIONS

Current Rating: 12A
Operating Voltage: 300V
Insulation Resistance: >10³ Megohms
Dielectric Withstanding: <1600V

MATERIALS

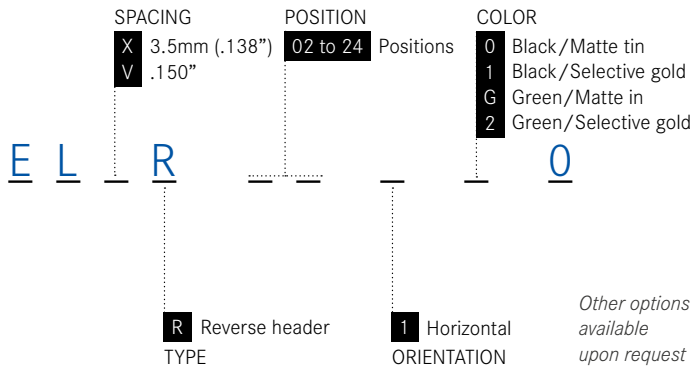
Housing: Polyamide, UL 94V-0, black or green
Contact: Copper alloy, optional finish
Ear Insert, M2.5: Brass, nickel finish

INSTALLATION

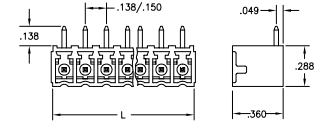
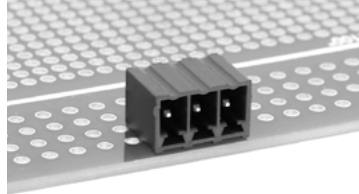
Hole Diameter: .047" min.

ELXR / ELVR HEADERS

ELXR and ELVR are the reversed version of horizontal ELXH and ELVH. They provide flexible options to fulfill different requirements.

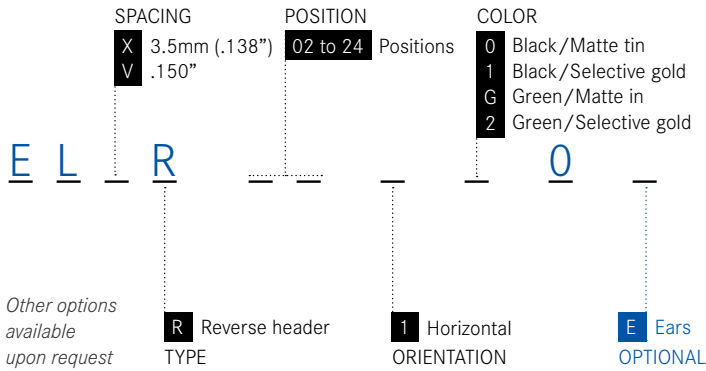


ELXR / ELVR

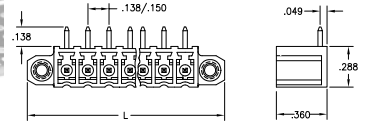
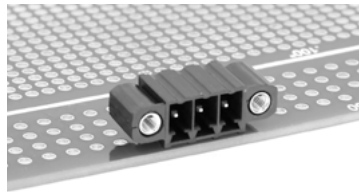


Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXR02100	ELXR021G0	.304	2	ELVR02100	ELVR021G0	.332

ELXR / ELVR HEADERS WITH LOCKING EARS



ELXR - Eared



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXR02100E	ELXR021G0E	.682	2	ELVR02100E	ELVR021G0E	.710

SPECIFICATIONS

Current Rating: 12A
 Operating Voltage: 300V
 Insulation Resistance: >10³ Megohms
 Dielectric Withstanding: <1600V

MATERIALS

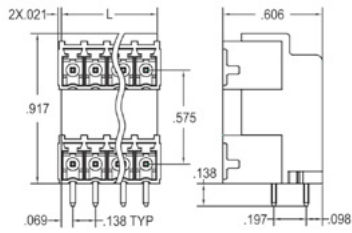
Housing: Polyamide, UL 94V-0, black or green
 Contact: Copper alloy, optional finish
 Ear Insert, M2.5: Brass, nickel finish

INSTALLATION

Hole Diameter: .047" min.

ELXA / ELVA 2-TIER STACKED HEADERS

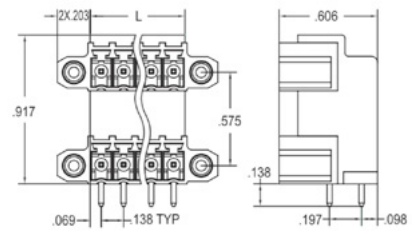
ELXA Horizontal



Pos	#Black	#Green	L(In.)
4	ELXA04100	ELXA041G0	.274

Pos	#Black	#Green	L(In.)
40	ELXA40100	ELXA401G0	2.758

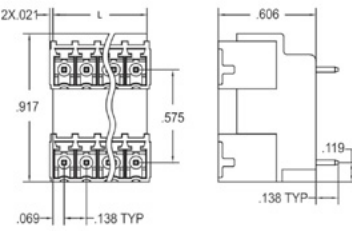
ELXA Horizontal - Eared



Pos	#Black	#Green	L(In.)
4	ELXA04100E	ELXA041G0E	.274

Pos	#Black	#Green	L(In.)
40	ELXA40100E	ELXA401G0E	2.758

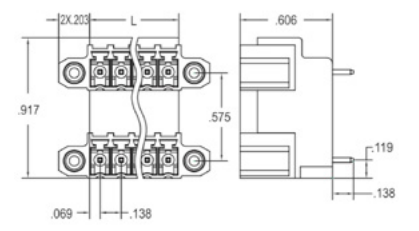
ELXA Vertical



Pos	#Black	#Green	L(In.)
4	ELXA04500	ELXA045G0	.274

Pos	#Black	#Green	L(In.)
40	ELXA40500	ELXA405G0	2.758

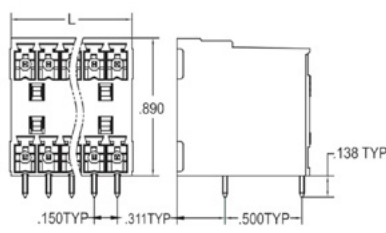
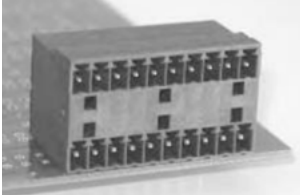
ELXA Vertical - Eared



Pos	#Black	#Green	L(In.)
4	ELXA04500E	ELXA045G0E	.274

Pos	#Black	#Green	L(In.)
40	ELXA40500E	ELXA405G0E	2.758

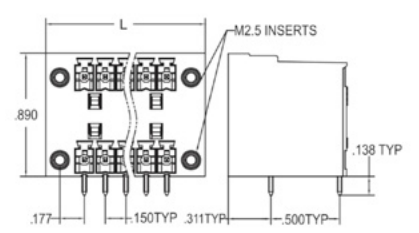
ELVA Horizontal



Pos	#Black	#Green	L(In.)
4	ELVA04100	ELVA041G0	.332

Pos	#Black	#Green	L(In.)
40	ELVA40100	ELVA401G0	3.032

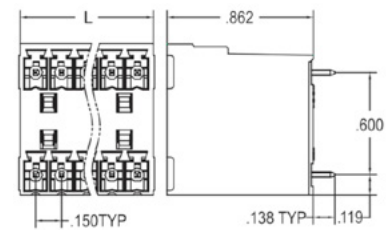
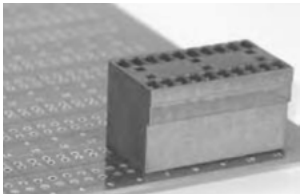
ELVA Horizontal - Eared



Pos	#Black	#Green	L(In.)
4	ELVA04100E	ELVA041G0E	.710

Pos	#Black	#Green	L(In.)
40	ELVA40100E	ELVA401G0E	3.410

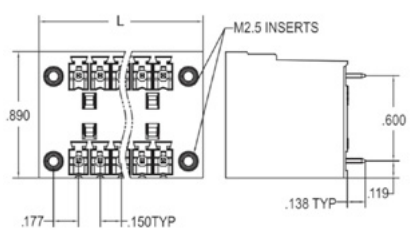
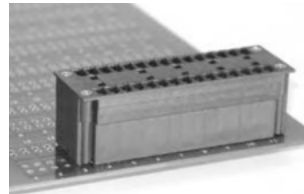
ELVA Vertical



Pos	#Black	#Green	L(In.)
4	ELVA04500	ELVA045G0	.332

Pos	#Black	#Green	L(In.)
40	ELVA40500	ELVA405G0	3.032

ELVA Vertical - Eared



Pos	#Black	#Green	L(In.)
4	ELVA04500E	ELVA045G0E	.710

Pos	#Black	#Green	L(In.)
40	ELVA40500E	ELVA405G0E	3.410

SPECIFICATIONS

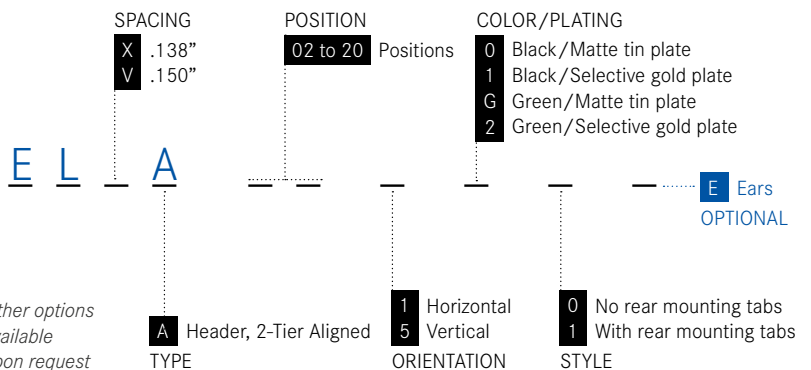
- Current Rating: 12A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Dielectric Withstanding: <1600V

MATERIALS

- Housing: Polyamide, UL 94V-0, black or green
- Contact: Copper alloy, optional finish
- Ear Screw M2.5: Brass, nickel finish

INSTALLATION

- Hole Diameter: .047"



Other options available upon request

ELVD 2-TIER STEPPED HEADERS

High-density ELVD and ELVA/ELXA 2-tier headers accommodate two PCD ELV/ELX or SCVF series plugs in a vertical or horizontal double row configuration.

In-line contact rows and walls provide a compact, rectangular mating face for panel cut-outs and equipment I/O access.

Plugs may be installed side-by-side without losing a contact position. Each header row ranges from 2 to 20 poles, providing as many as 40 total circuits. The universal plug interface accepts equivalent competitive plugs, as well as Amphenol PCD Shenzhen.

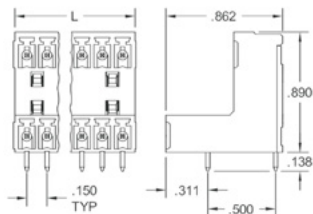
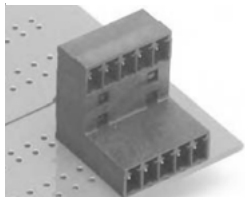
ELVD IN-LINE STEPPED HEADER

ELVD 2-tier headers accept two rows of plugs in an in-line configuration, with the upper row stepped back from the lower for ease of access and wiring.

SMT Compatibility

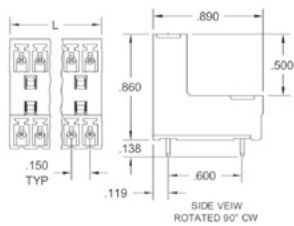
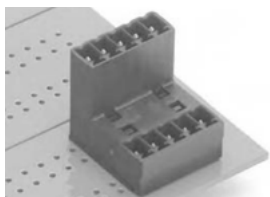
The ultra-high-temperature ELVD and ELVA/ELXA withstand 260°C for three minutes, which allows users to reduce PCB assembly costs by eliminating the need for separate soldering operations for through-hole terminal blocks in SMT boards.

ELVD Horizontal

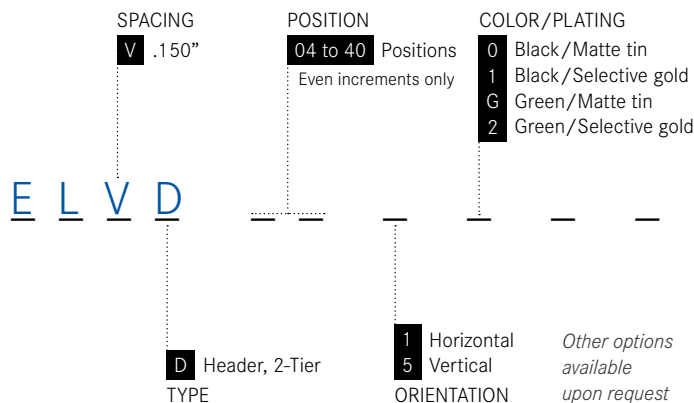


Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
4	ELVD04100	ELVD041G0	.332	40	ELVD40100	ELVD401G0	3.032

ELVD Vertical



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
4	ELVD04500	ELVD045G0	0.332	40	ELVD40500	ELVD405G0	3.032



SPECIFICATIONS

- Current Rating: 12A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Dielectric Withstanding: <1600V

MATERIALS

- Housing: Polyamide, UL 94V-0, black or green
- Contact: Copper alloy, optional finish

INSTALLATION

- Hole Diameter: #0.47"

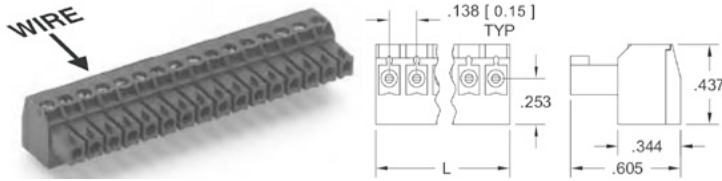
ELXP / ELXT / ELVP / ELVT Plugs

3.50mm (.138") /
.150" (3.81mm)

ELXP / ELXT PLUGS

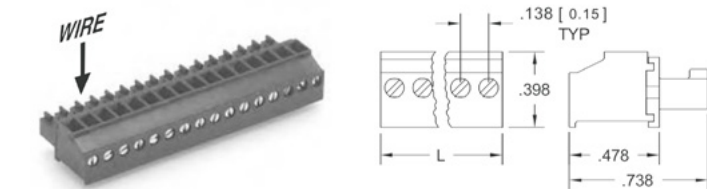
All ELX/ELV pluggable terminal blocks incorporate moving vise clamp wire termination and mate with PCD ELX/ELV headers. ELXP/VP blocks feature wire entry parallel to contact. ELXT/VT blocks offer wire entry perpendicular to contact – top and bottom entry are both available.

ELXP / ELVP Right Angle



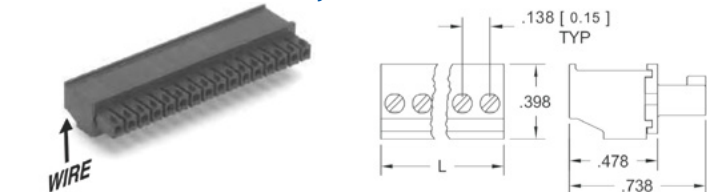
Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXP02100	ELXP021G0	.276	2	ELVP02100	ELVP021G0	.300

ELXT / ELVT Top Entry



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXT02500	ELXT025G0	.276	2	ELVT02500	ELVT025G0	.300

ELXT / ELVT Bottom Entry

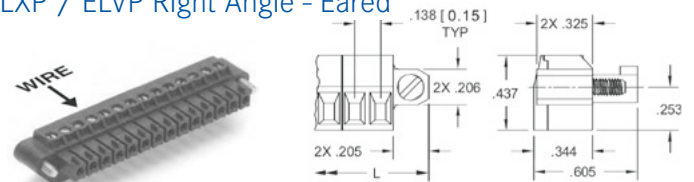


Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXT02600	ELXT026G0	.276	2	ELVT02600	ELVT026G0	.300

ELXP / ELXT PLUGS WITH LOCKING EARS

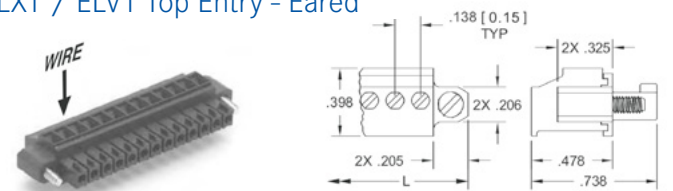
The integrally molded locking ears are available with ELXP/VP and ELXT/VT plugs. Plug ears hold a captive floating, slot-head locking screw that engages a threaded insert on the header ear. The mounting screw is tightened after plug and header are firmly mated, securing the connection. All plugs indicated on these pages are intermateable with industry standard 3.5mm/3.81mm headers.

ELXP / ELVP Right Angle - Eared



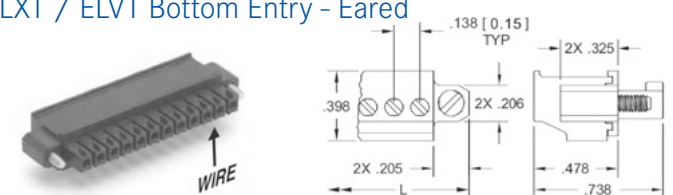
Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXP02100E	ELXP021G0E	.686	2	ELVP02100E	ELVP021G0E	.710

ELXT / ELVT Top Entry - Eared



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXT02500E	ELXT025G0E	.686	2	ELVT02500E	ELVT025G0E	.710

ELXT / ELVT Bottom Entry - Eared



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELXT02600E	ELXT026G0E	.686	2	ELVT02600E	ELVT026G0E	.710

SPACING

- X .138"
- V .150"

POSITION

- 02 to 24 ELXP w/o ears
- 02 to 20 ELXP w/ ears
- 02 to 20 ELVP w/o ears
- 02 to 20 ELVP w/ ears
- 02 to 24 ELVT
- 02 to 20 ELXT

COLOR

- 0 Black/Matte tin, nickel
- 1 Black/Selective gold
- G Green/Matte tin, nickel
- 2 Green/Selective gold

E L

O

P Plug, Right Angle
T Plug, Top or Bottom
TYPE

1 Right Angle
5 Top
6 Bottom
ORIENTATION

E Ears
OPTIONAL

Other options available upon request

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
Ear Screw M2.5: Steel, nickel finish

SPECIFICATIONS

Current Rating: 12A
Operating Voltage: 300V
Insulation Resistance: >10³ Megohms
Dielectric Withstanding: <1600V
Wire Pullout Force: Per UL 486E, Section 14

INSTALLATION

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

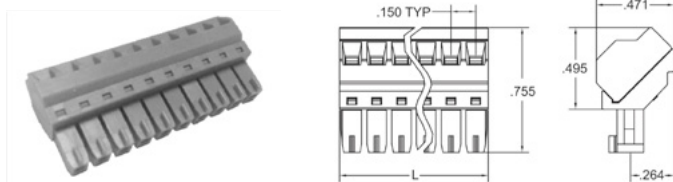
APPROVALS:

ELVK / ELVF MINI-PLUGS

All ELV pluggable terminal blocks incorporate moving vise clamp wire termination and mate with PCD ELV header.

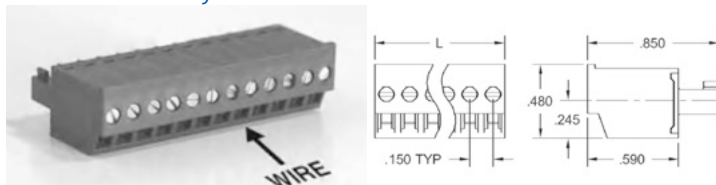
ELVF blocks feature wire entry parallel to contact.
ELVK blocks offer wire entry 45° angle to contact.

ELVK 45° Angle Entry

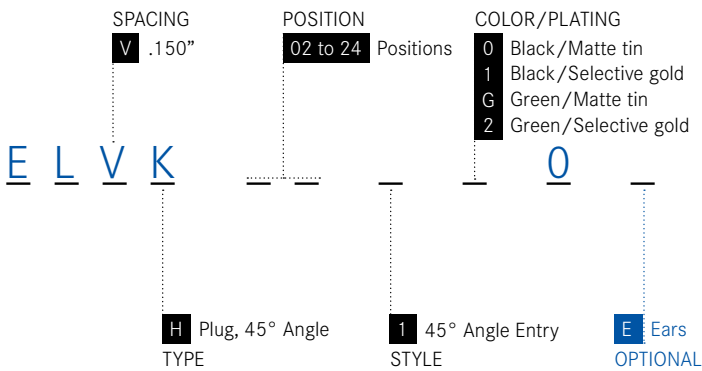


Pos	#Black	#Green	L(In.)
2	ELVK02100	ELVK021G0	.300
24	ELVK24100	ELVK241G0	3.600

ELVF Front Entry



Pos	#Black	#Green	L(In.)
2	LVF02400	ELVF024G0	.300
20	ELVF20400	ELVF204G0	3.600

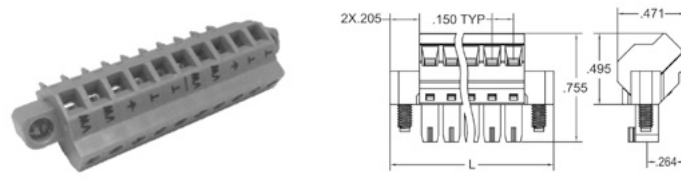


Other options available upon request

ELVK / ELVF MINI-PLUGS WITH LOCKING EARS

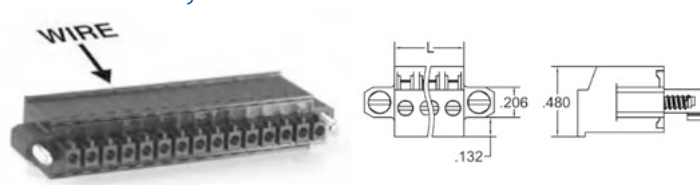
The integrally molded locking ears are available with ELVK/ELVF plugs. Plug ears hold a captive floating, slot-head locking screw that engages a threaded insert on the header ear. The mounting screw is tightened after plug and header are firmly mated, securing the connection. All plugs indicated on these pages are intermateable with industry standard 3.81mm headers.

ELVK 45° Angle Entry - Eared

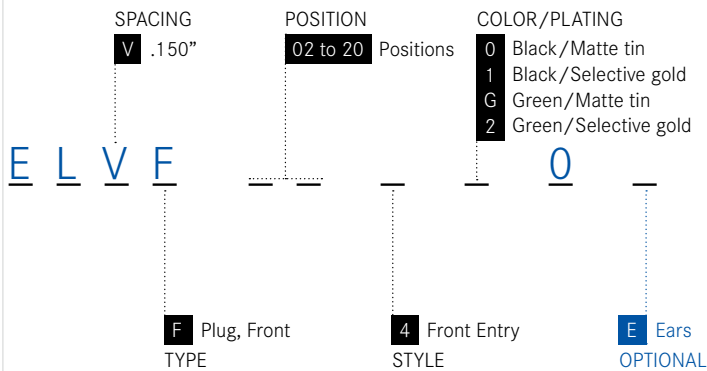


Pos	#Black	#Green	L(In.)
2	ELVK02100E	ELVK021G0E	.710
24	ELVK24100E	ELVK241G0E	4.010

ELVF Front Entry - Eared



Pos	#Black	#Green	L(In.)
2	ELVF02400E	ELVF024G0E	.710
20	ELVF20400E	ELVF204G0E	3.410



Other options available upon request

SPECIFICATIONS

- Current Rating: 12A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Dielectric Withstanding: <1600V
- 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
- Ear Screw M2.5: Steel, nickel finish

INSTALLATION

- Wire Range: #16-28 AWG
- Wire Strip Length: 0.25" (.375" ELVF)
- Recommended Tightening Torque: 2.2 lb-in. (0.25N-m)

SCVF SPRING CLAMP PLUG CONNECTOR | WITH AND WITHOUT LOCKING EARS

150" spacing SCVF spring-clamp plugs utilize a stainless steel clamping spring to provide "screwless" wire termination. Convenient "front-front" design permits both wire entry and spring actuation from the same connector surface, simplifying operation.

SCVF plugs mate with the complete range of ELVH headers/ELVD headers, as well as compatible competitive headers.

Installation

When used with stranded wire, an actuating button is depressed to open the clamp and facilitate wire insertion. Releasing the button captures the wire in a gas-tight, high-pressure contact.

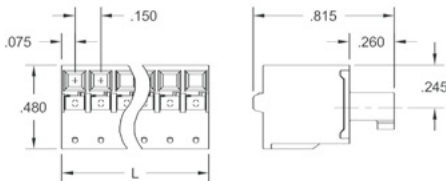
One-hand Installation

If 18 AWG solid wire or larger is used, it is not necessary to operate the actuating button. The wire can be inserted directly into the connector, and will be securely retained by the angled clamp.

Variations

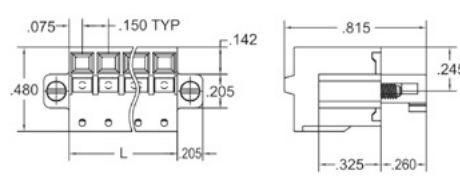
Plugs are available in black or green with tin-lead plating, standard. For gold plating, indicate "1" as eighth digit of catalog no. for black parts; "2" replaces "G" for green parts. Contact Amphenol PCD Shenzhen to discuss marking options.

SCVF .150"

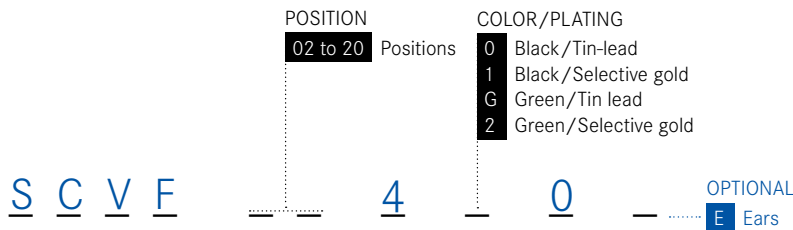


Pos	#Black	#Green	L(In.)
2	SCVF02400	SCVF024G0	.300
20	SCVF20400	SCVF204G0	3.000

SCVF .150" - Eared



Pos	#Black	#Green	L(In.)
2	SCVF02400E	SCVF024G0E	.700
20	SCVF20400E	SCVF204G0E	3.400



Other options available upon request

SPECIFICATIONS

Current Rating: 10A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V
 Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

Housing: PA 66-6, UL 94V-0, black or green
 Contact: Copper alloy, optional finish
 Spring clamp: Stainless steel

INSTALLATION

Wire Range: #16-28 AWG
 Wire Strip Length: .330"

5.0mm (.197")
.200" (5.08mm)

ELFP-P Plugs / ELFS Wire Cable Hood

ELFP-P 5.0mm / .200" PLUGS WITH STRAIN RELIEF

STRAIN RELIEF

ELFP-P right angle plugs with integral wire strain relief and ELFS with clam shell designed provide users with additional installation control and security for critical applications where the wire bundle may be stressed. Plugs are available both with and without locking ears.

ELFP-P 5.0mm <table border="1"> <thead> <tr> <th>Pos</th> <th>#Black</th> <th>#Green</th> <th>L(In.)</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>ELFP0311P0</td> <td>ELFP0311PG</td> <td>.591</td> </tr> <tr> <td>7</td> <td>ELFP0711P0</td> <td>ELFP0711PG</td> <td>1.378</td> </tr> </tbody> </table>	Pos	#Black	#Green	L(In.)	3	ELFP0311P0	ELFP0311PG	.591	7	ELFP0711P0	ELFP0711PG	1.378	ELFP-P 5.0mm - Eared <table border="1"> <thead> <tr> <th>Pos</th> <th>#Black</th> <th>#Green</th> <th>L(In.)</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>ELFP0321P0</td> <td>ELFP0321PG</td> <td>.600</td> </tr> <tr> <td>7</td> <td>ELFP0721P0</td> <td>ELFP0721PG</td> <td>1.400</td> </tr> </tbody> </table>	Pos	#Black	#Green	L(In.)	3	ELFP0321P0	ELFP0321PG	.600	7	ELFP0721P0	ELFP0721PG	1.400	ELFP-P .200" <table border="1"> <thead> <tr> <th>Pos</th> <th>#Black</th> <th>#Green</th> <th>L(In.)</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>ELFP0311P0</td> <td>ELFP0311PG</td> <td>.591</td> </tr> <tr> <td>7</td> <td>ELFP0711P0</td> <td>ELFP0711PG</td> <td>1.378</td> </tr> </tbody> </table>	Pos	#Black	#Green	L(In.)	3	ELFP0311P0	ELFP0311PG	.591	7	ELFP0711P0	ELFP0711PG	1.378	ELFP-P .200" - Eared <table border="1"> <thead> <tr> <th>Pos</th> <th>#Black</th> <th>#Green</th> <th>L(In.)</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>ELFP0321P0</td> <td>ELFP0321PG</td> <td>.600</td> </tr> <tr> <td>7</td> <td>ELFP0721P0</td> <td>ELFP0721PG</td> <td>1.400</td> </tr> </tbody> </table>	Pos	#Black	#Green	L(In.)	3	ELFP0321P0	ELFP0321PG	.600	7	ELFP0721P0	ELFP0721PG	1.400
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E L F P

- E** POSITION: 03 to 07 Positions
- L** STRAIN RELIEF: P Strain relief
- F** MOUNTING EARS:
 - 0E Black/Matte tin
 - 1E Black/Selective gold
 - GE Green/Matte tin, nickel
 - EG Green/Selective gold
- P** TYPE: P Right Angle

1 PITCH:

- 1 .197" (5.0mm)
- 2 .200"

0 COLOR/PLATING:

- 0 Black/Matte tin
- 1 Black/Selective gold
- G Green/Matte tin
- 2 Green/Selective gold

Other options available upon request

SPECIFICATIONS Current Rating: 15A Operating Voltage: 300V Insulation Resistance: >10 ⁵ Megohms Dielectric Withstanding: <3000V Wire Pullout Force: Per UL 486E, Section 14	MATERIALS Housing: PPO, UL 94V-0, black or green Contact: Copper alloy, optional finish Clamp Screw: Steel, nickel finish Wire Clamp: Copper alloy, nickel finish	INSTALLATION Wire Range: #12-26 AWG Wire Strip Length: .310" Recommended Tightening Torque: 7 Ib-in. (0.79N-m)
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ELFS Wire Cable Hood (for ELFP-P Plugs)

ELFS

E L F S

- E** POSITIONS: 02 to 12 Positions
- L** SPACING:
 - 1 .197" (5.0mm)
 - 2 .200"
- F** COLOR:
 - 0 Black
 - G Green

Pos	#Black	#Green	L(In)
2	ELFS02110	ELFS0211G	.458
12	ELFS12110	ELFS1211G	2.482

Other options available upon request

GENERAL MATERIALS

Housing: ABS / PC | Screw: Steel, zinc finish | Bracket: Steel, zinc finish

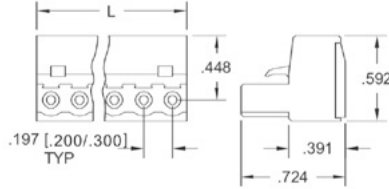
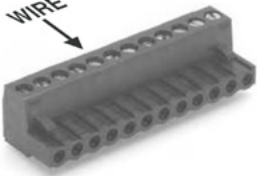
APPROVALS:

ELFP / ELFT PLUGS

ELFP blocks feature wire entry parallel to contact and mating direction.

ELFT blocks offer top and bottom wire entry perpendicular to contact and mating direction.

ELFP Right Angle



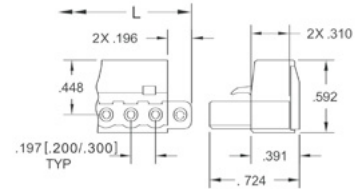
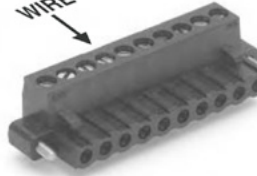
Pos	#Black	#Green	L(In.)
2	ELFP02110	ELFP0211G	.394

Pos	#Black	#Green	L(In.)
22	ELFP22110	ELFP2211G	4.334

ELFP / ELFT PLUGS WITH LOCKING EARS

The integrally molded locking ears are available with ELFP/ELFT plugs. Plug ears hold a captive floating, slot-head locking screw that engages a threaded insert on the header ear. The mounting screw is tightened after plug and header are firmly mated, securing the connection. All plugs and headers indicated on these pages are interchangeable and interchangeable with industry standard .197/.200/.300 headers.

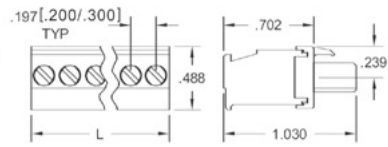
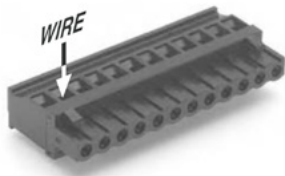
ELFP Right Angle - Eared



Pos	#Black	#Green	L(In.)
2	ELFP02110E	ELFP0211GE	.786

Pos	#Black	#Green	L(In.)
22	ELFP22110E	ELFP2211GE	4.726

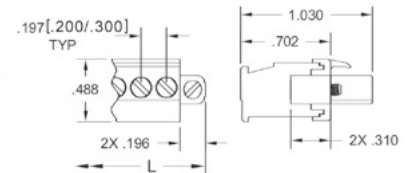
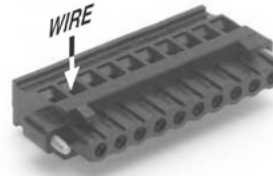
ELFT Top Entry



Pos	#Black	#Green	L(In.)
2	ELFT02150	ELFT02115G	.394

Pos	#Black	#Green	L(In.)
22	ELFT22150	ELFT2215G	4.334

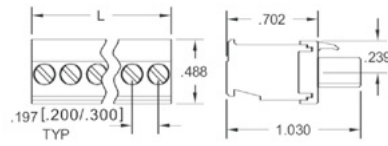
ELFT Top Entry - Eared



Pos	#Black	#Green	L(In.)
2	ELFT02150E	ELFT02115GE	.786

Pos	#Black	#Green	L(In.)
22	ELFT22150E	ELFT2215GE	4.726

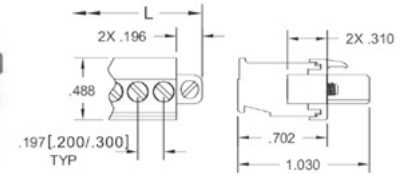
ELFT Bottom Entry



Pos	#Black	#Green	L(In.)
2	ELFT02160	ELFT0216G	.394

Pos	#Black	#Green	L(In.)
22	ELFT22160	ELFT2216G	4.034

ELFT Bottom Entry - Eared



Pos	#Black	#Green	L(In.)
2	ELFT02160E	ELFT0216GE	.786

Pos	#Black	#Green	L(In.)
22	ELFT22160E	ELFT2216GE	4.726

MATERIALS

Housing: PPO, UL 94V-0, black or green

Contact: Copper alloy, optional finish

Clamp Screw: Steel, nickel finish

Wire Clamp: Copper alloy, nickel finish

Ear Screw M2.5: Steel, nickel finish

SPECIFICATIONS

Current Rating: 15A

Operating Voltage: 300V

Insulation Resistance: >10⁵ Megohms

Dielectric Withstanding: <3000V

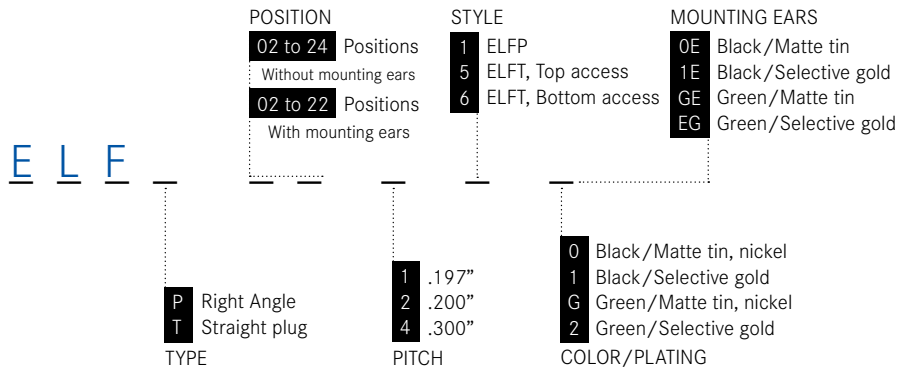
Wire Pullout Force: Per UL 486E, Section 14

INSTALLATION

Wire Range: #12-26 AWG

Wire Strip Length: .310"

Recommended Tightening Torque: 7 lb-in. (0.79N-m)

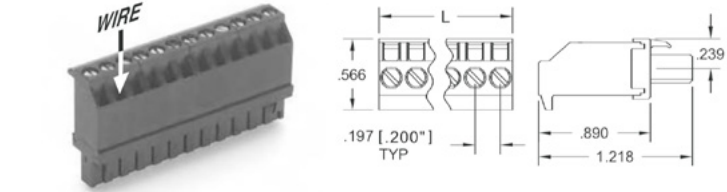


Other options available upon request

ELFF PLUGS

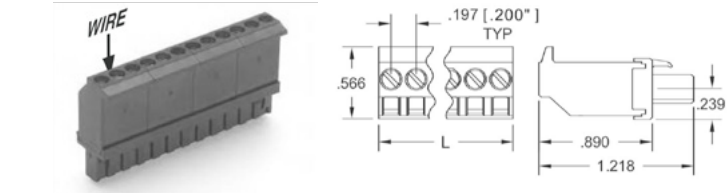
ELFF "front-front" blocks feature wire insertion and screw actuation. ELFF blocks offer top and bottom wire entry options.

ELFF Top Entry



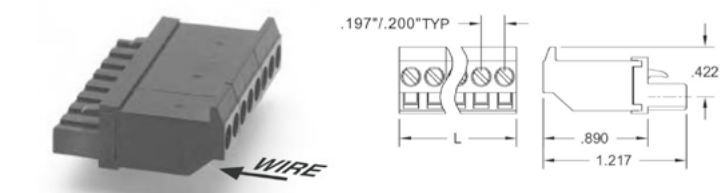
Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELFF02130	ELFF0213G	.394	2	ELFF02230	ELFF0223G	.400

ELFF Bottom Entry



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELFF02140	ELFF0214G	.394	2	ELFF02240	ELFF0224G	.400

ELFF Offset Nose

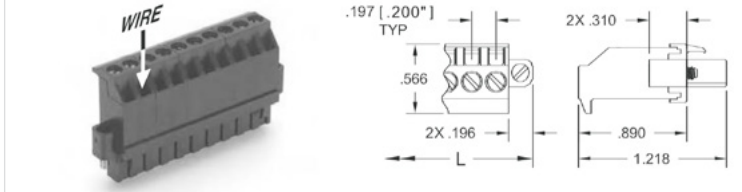


Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELFF02120	ELFF0212G	.394	2	ELFF02220	ELFF0222G	.400

ELFF PLUGS WITH LOCKING EARS

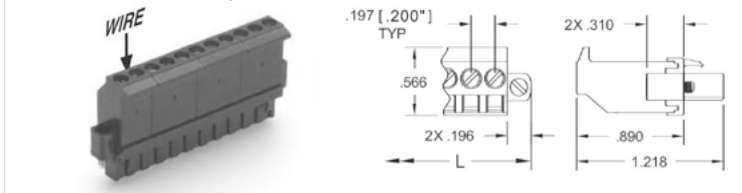
The integrally molded locking ears are available with ELFF plugs. Plug ears hold a captive floating, slot-head locking screw that engages a threaded insert on the header ear. The mounting screw is tightened after plug and header are firmly mated, securing the connection. All plugs and headers indicated on these pages are intermateable and interchangeable with industry standard .197/.200 headers.

ELFF Top Entry - Eared



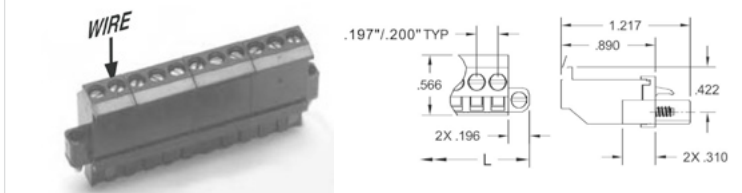
Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELFF02130E	ELFF0213GE	.786	2	ELFF02230E	ELFF0223GE	.800

ELFF Bottom Entry - Eared



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELFF02140E	ELFF0214GE	.786	2	ELFF02240E	ELFF0224GE	.800

ELFF Offset Nose - Eared



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELFF02120E	ELFF0212GE	0.786	2	ELFF02220E	ELFF0222GE	.800

POSITION

- 02 to 24 Positions w/o mounting ears
- 02 to 22 Positions w/ mounting ears
- 02 to 08 Positions Offset version

STYLE

- 2 Offset ears
- 3 Top access
- 4 Bottom access

MOUNTING EARS

- 0E Black/Matte tin
- 1E Black/Selective gold
- GE Green/Matte tin
- EG Green/Selective gold

E L F F

F Front Actuation
TYPE

1 .197"
2 .200"
PITCH

0 Black/Matte tin, nickel
1 Black/Selective gold
G Green/Matte tin, nickel
2 Green/Selective gold
COLOR/PLATING

Other options available upon request

SPECIFICATIONS

Current Rating: 15A
Operating Voltage: 300V
Insulation Resistance: >10⁵ Megohms
Dielectric Withstanding: <3000V
Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

Housing: PPO, UL 94V-0, black or green
Contact: Copper alloy, optional finish
Clamp Screw: Steel, nickel finish
Wire Clamp: Copper alloy, nickel finish
Ear Screw M2.5: Steel, nickel finish

INSTALLATION

Wire Range: #12-26 AWG
Wire Strip Length: .310" (14-26 AWG), .490" (12 AWG)
Recommended Tightening Torque: 7 Ib-in. (0.79N-m)

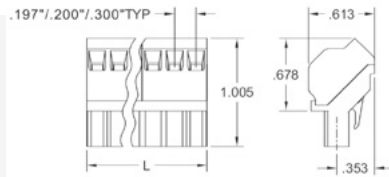
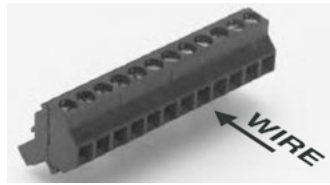
ELFK PLUGS 45° Angle

ELFK

ELFK blocks feature wire entry 45° angle to contact and mating direction.

ELFK molded locking ears hold a captive floating, slot-head locking screw that engages a threaded insert on the header ear. The mounting screw is tightened after plug and header are firmly mated, securing the connection. All plugs indicated on these pages are intermateable and interchangeable with industry standard .197/.200/.300 headers.

ELFK 45° Angle

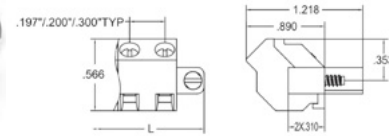


Pos	#Black	#Green	L(In.)
2	ELFK02110	ELFK0211G	.394

Pos	#Black	#Green	L(In.)
2	ELFK02210	ELFK0221G	.400

Pos	#Black	#Green	L(In.)
2	ELFK02410	ELFK0241G	.500

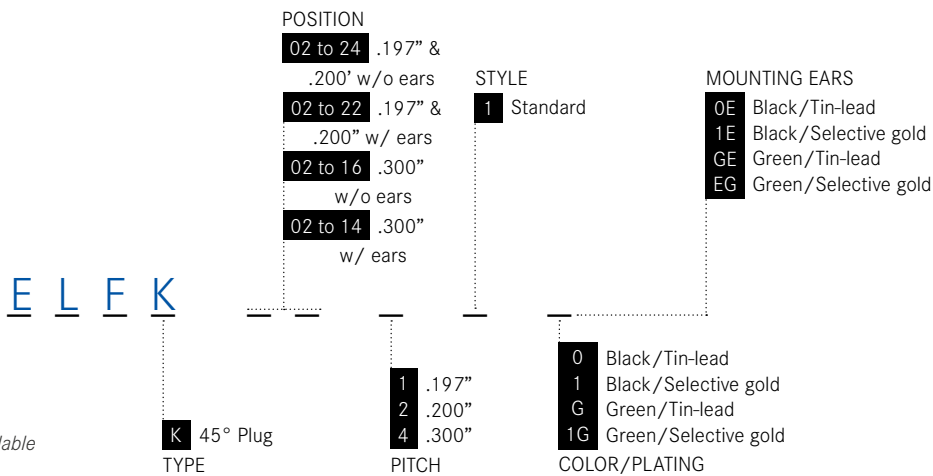
ELFK 45° Angle - Eared



Pos	#Black	#Green	L(In.)
2	ELFK02110E	ELFK0211GE	.786

Pos	#Black	#Green	L(In.)
2	ELFK02210E	ELFK0221GE	.800

Pos	#Black	#Green	L(In.)
2	ELFK02410E	ELFK0241GE	.972



SPECIFICATIONS

Current Rating: 15A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V
 Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

Housing: PPO, UL 94V-0, black or green
 Contact: Copper alloy, optional finish
 Clamp Screw: Steel, nickel finish
 Wire Clamp: Copper alloy, nickel finish
 Ear Screw M2.5: Steel, nickel finish

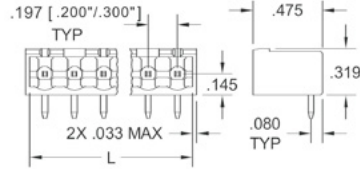
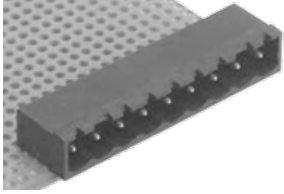
INSTALLATION

Wire Range: #12-26 AWG
 Wire Strip Length: .310" (14-26 AWG)
 Recommended Tightening Torque: 7 Ib-in. (0.79N-m)

ELFH HEADERS CLOSED ENDS

ELFH series headers mate with ELF series plugs and accommodate competitive plugs as well. The headers are precision-molded from tough, stable PBT, providing additional strength and greater reliability under extreme conditions.

ELFH Horizontal - Closed



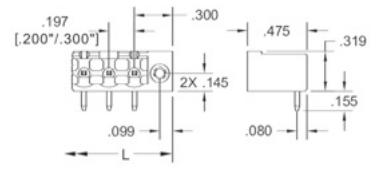
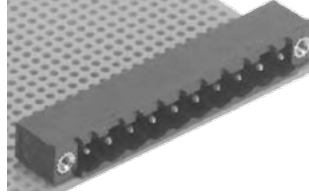
Pos	#Black	#Green	L(In.)
2	ELFH02110	ELFH0211G	.394

Pos	#Black	#Green	L(In.)
24	ELFH24110	ELFH2411G	4.724

ELFH HEADERS WITH LOCKING EARS

The integrally molded locking ears are available with ELFH series headers. A threaded insert in the header ear is engaged by a plug mounting screw, which is tightened after plug and header are mated, securing the connection.

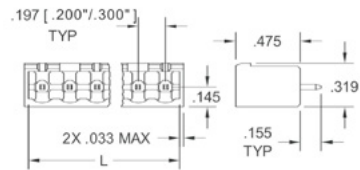
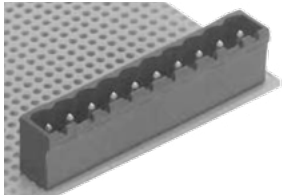
ELFH Horizontal - Eared



Pos	#Black	#Green	L(In.)
2	ELFH02110E	ELFH0211GE	.787

Pos	#Black	#Green	L(In.)
22	ELFH22110E	ELFH2211GE	4.724

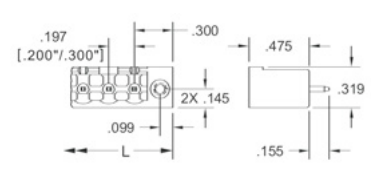
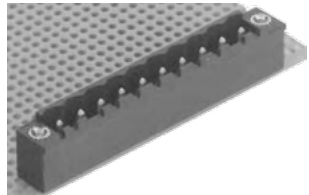
ELFH Vertical - Closed



Pos	#Black	#Green	L(In.)
2	ELFH02150	ELFH0215G	.394

Pos	#Black	#Green	L(In.)
24	ELFH24150	ELFH2415G	4.724

ELFH Vertical - Eared



Pos	#Black	#Green	L(In.)
2	ELFH02150E	ELFH0215GE	.787

Pos	#Black	#Green	L(In.)
22	ELFH22150E	ELFH2215GE	4.724

E L F H

POSITION

- 02 to 24 Positions w/o mounting ears
- 02 to 22 Positions w/ mounting ears

STYLE

- Horizontal
 - 1 Closed ends
 - 3 Closed ends high temp.
- Vertical
 - 5 Closed ends
 - 8 Closed ends high temp.

MOUNTING EARS

- 0E Black/Matte tin
- 1E Black/Selective gold
- GE Green/Matte tin
- EG Green/Selective gold

H Header
TYPE

1 .197"
2 .200"
4 .300"
PITCH

0 Black/Matte tin, nickel (standard)
1 Black/Selective gold
G Green/Matte tin, nickel
1G Green/Selective gold
COLOR/PLATING

Other options available upon request

MATERIALS

Housing: PBT, UL 94V-0 (Standard), PA 46, UL 94V-0 (High temp), black or green optional
Contact: Copper alloy, optional finish
Ear Insert. M2.5: Brass, nickel finish

SPECIFICATIONS

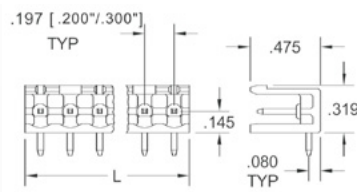
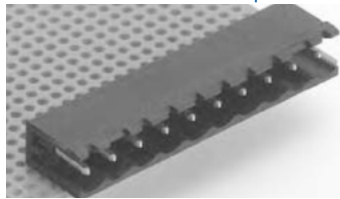
Current Rating: 15A
Operating Voltage: 300V
Insulation Resistance: >10⁵ Megohms
Dielectric Withstanding: <3000V

INSTALLATION

Hole Diameter: .055" min.

ELFH HEADERS OPEN ENDS

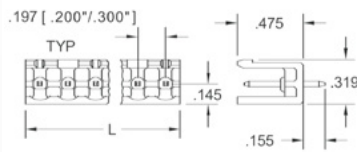
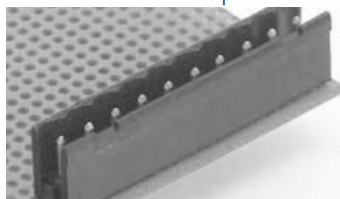
ELFH Horizontal - Open



Pos	#Black	#Green	L(In.)
2	ELFH02120	ELFH0212G	.394

Pos	#Black	#Green	L(In.)
24	ELFH24120	ELFH2412G	4.724

ELFH Vertical - Open



Pos	#Black	#Green	L(In.)
2	ELFH02160	ELFH0216G	.394

Pos	#Black	#Green	L(In.)
24	ELFH24160	ELFH2416G	4.724

POSITION
02 to 24 Positions w/o mounting ears
02 to 22 Positions w/ mounting ears

STYLE
 Horizontal
2 Open ends
4 Open ends high temp.
 Vertical
6 Open ends
9 Open ends high temp.

MOUNTING EARS
0E Black/Matte tin
1E Black/Selective gold
GE Green/Matte tin
EG Green/Selective gold

0 Black/Matte tin, nickel (standard)
1 Black/Selective gold
G Green/Matte tin, nickel
1G Green/Selective gold

H Header
TYPE

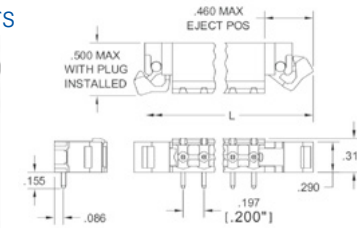
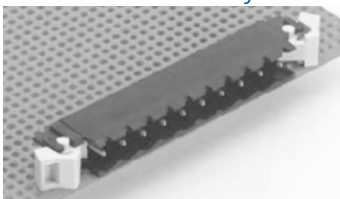
1 .197"
2 .200"
4 .300"
PITCH

COLOR/PLATING

Other options available upon request

ELFH HEADERS WITH EJECTOR EARS

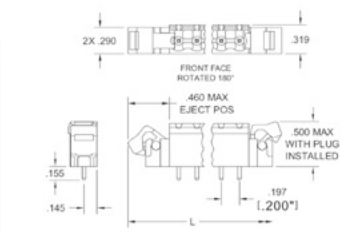
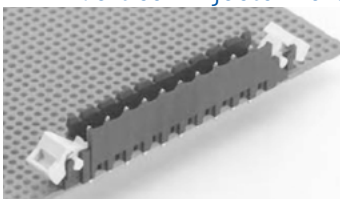
ELFH Horizontal - Ejector Ears



Pos	#Black	#Green	L(In.)
8	ELFH08110J	ELFH0811GJ	2.501

Pos	#Black	#Green	L(In.)
22	ELFH22110J	ELFH2211GJ	5.257

ELFH Vertical - Ejector Ears



Pos	#Black	#Green	L(In.)
8	ELFH08150J	ELFH0815GJ	2.501

Pos	#Black	#Green	L(In.)
22	ELFH22150J	ELFH2215GJ	5.257

POSITION
08 to 22

ORIENTATION
1 Horizontal
5 Vertical

0J Black/Tin-lead finish
GJ Green/Tin-lead finish
1J Black/Selective gold finish
JG Green/Selective gold finish
COLOR/PLATING

H Header
TYPE

1 .197"
2 .200"
PITCH

Other options available upon request

SPECIFICATIONS

- Current Rating: 15A
- Operating Voltage: 300V
- Insulation Resistance: >10⁹ Megohms
- Dielectric Withstanding: <3000V

MATERIALS

- Housing: PBT, UL 94V-0 (Standard), PA 46, UL 94V-0 (High temp), black (green option standard only)
- Contact: Copper alloy, optional finish

INSTALLATION

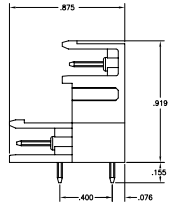
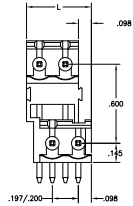
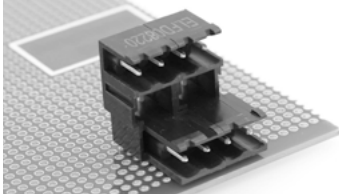
- Hole Diameter: .055" min.

ELFD HEADERS | 2-TIER ALIGNED

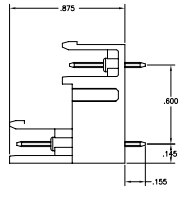
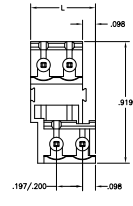
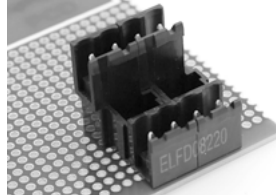
ELFD 2-tier headers increase board density by accepting two plugs in a vertical or horizontal, double-row configuration. Contact rows are offset to facilitate handling and wire installation. Plugs may be installed side-by-side without losing a contact position. The universal interface accepts equivalent competitive plugs.

Headers consist of 4- and 6-position dovetailed modules that may be readily interlocked to form a rigid assembly. Modules can be ordered and stacked individually, to minimize inventory, or specific sizes can be ordered pre-assembled in sizes ranging to 24 poles per row, providing a total of 48 contact positions in the 2-tier configuration.

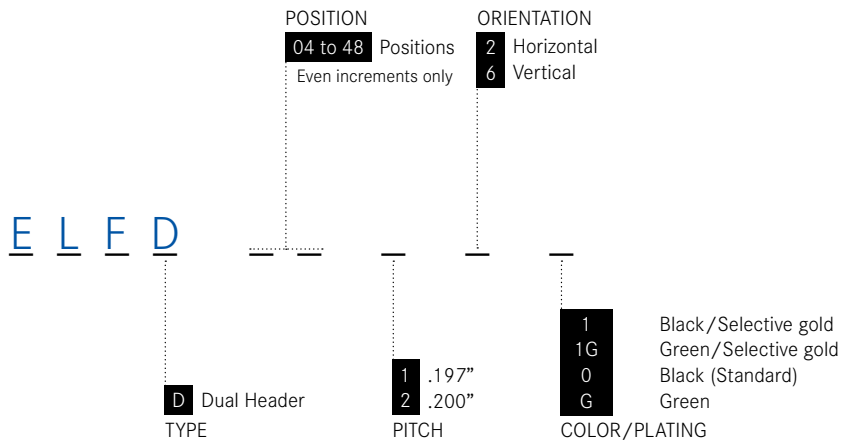
ELFD Horizontal



ELFD Vertical



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
4	ELFD04120	ELFD0412G	.492	4	ELFD04220	ELFD0422G	.500	4	ELFD04160	ELFD0416G	.492	4	ELFD04260	ELFD0426G	.500



SPECIFICATIONS

Current Rating: 15A
Operating Voltage: 300V
Insulation Resistance: >10⁵ Megohms
Dielectric Withstanding: <3000V

MATERIALS

Housing: PBT, UL 94V-0, black or green
Contact: Copper alloy, optional finish

INSTALLATION

Hole Diameter: .055" min.

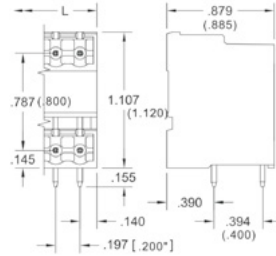
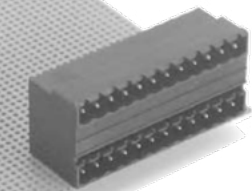
ELFA HEADERS | 2-TIER ALIGNED

ELFA 2-tier headers increase board density by accepting two plugs in a vertical or horizontal double-row configuration. In-line contact rows and end walls provide a compact, rectangular mating face, ideal for panel cut-outs and equipment I/O applications. Several plugs may be installed side-by-side in the same header without losing a contact position. The universal interface accepts equivalent competitive plugs, as well as Amphenol PCD Shenzhen, to facilitate field application.

Headers are available in sizes ranging from 2 to 20 positions per row, or as many as 40 circuits total.

Standard ELFA headers are molded of high-temperature polyamide to eliminate the possibility of connector damage or deformation caused by the heat of wave soldering.

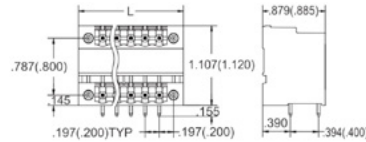
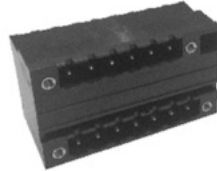
ELFA Horizontal



Pos	#Black	#Green	L(In.)
4	ELFA04110	ELFA0411G	.472

Pos	#Black	#Green	L(In.)
4	ELFA04210	ELFA0421G	.480

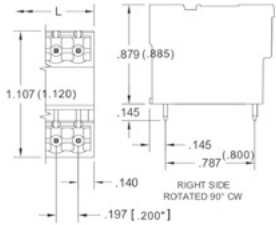
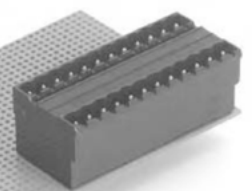
ELFA Horizontal - Eared



Pos	#Black	#Green	L(In.)
4	ELFA04110E	ELFA0411GE	.786

Pos	#Black	#Green	L(In.)
4	ELFA04210E	ELFA0421GE	.880

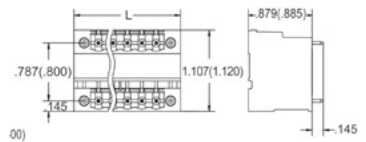
ELFA Vertical



Pos	#Black	#Green	L(In.)
4	ELFA04150	ELFA0415G	.472

Pos	#Black	#Green	L(mm)
4	ELFA04250	ELFA0425G	.480

ELFA Vertical - Eared



Pos	#Black	#Green	L(mm)
4	ELFA04250E	ELFA0425GE	.786

Pos	#Black	#Green	L(In.)
4	ELFA04250E	ELFA0425GE	.880

ELFA

- POSITION**
 - 04 to 48 Positions Even increments only
 - 04 to 24 Positions HI-TEMP.
- STYLE**
 - Horizontal :
 - 1 Closed ends
 - 3 Closed ends high temp.
 - Vertical :
 - 5 Closed ends
 - 8 Closed ends high temp.
- MOUNTING EARS**
 - 0E Black/Matte tin
 - 1E Black/Selective gold
 - GE Green/Matte tin
 - EG Green/Selective gold

A Header TYPE

1 .197" **2** .200" PITCH

0 Black/Matte tin, nickel (Standard)
1 Black/Selective gold
G Green/Matte tin
1G Green/Selective gold

Other options available upon request

SPECIFICATIONS

- Current Rating: 15A
- Operating Voltage: 300V
- Insulation Resistance: >10⁵ Megohms
- Dielectric Withstanding: <3000V

MATERIALS

- Housing: PA46, UL 94V-0 (Hi-temp)
- PA 66/6, UL 94V-0 (Standard)
- Black (Green option standard only)
- Contact: Copper alloy, optional finish
- Ear Screw M2.5: Steel, nickel finish

INSTALLATION

Hole Diameter: .055" min.

ELFB HEADERS | BOARD-MOUNT PLUG, DOVETAIL MODULAR

ELFB inverted headers are board-mounted solder pin header which incorporate a mating configuration that is identical to a standard ELF family plug. It features a plug-like nose and twin-beam plug contacts, and will mate with standard ELF-family headers, or similar competitive headers, providing board-to-board interconnect capability.

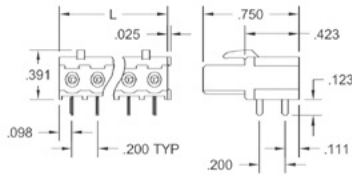
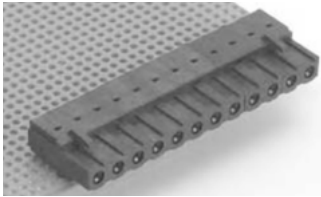
The ELFB gives system users and designers the capability to easily introduce accessory boards which can add flexibility by modifying system I/O features or adding electronics for a special application.

Headers are available in vertical and horizontal styles.

Headers are molded to size in 2 through 20 positions, but individual headers can also be dovetailed together to form a longer assembly. Customers may order parts molded to length or, if desired, elect to minimize shorter headers - 2 and 3 positions, for example - which may be assembled to any desired size.

Available for ears version in high reliability applications.

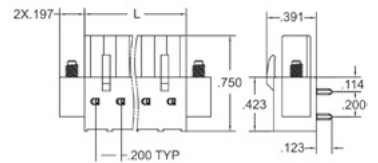
ELFB Horizontal



Pos	#Black	#Green	L(In.)
2	ELFB02230	ELFB0223G	.400

Pos	#Black	#Green	L(In.)
20	ELFB20230	ELFB2023G	4.00

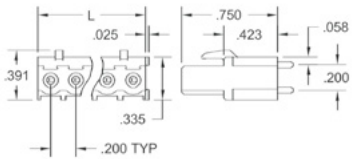
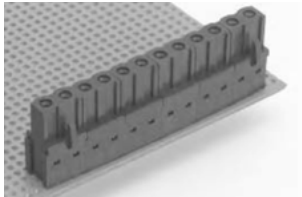
ELFB Horizontal - Eared



Pos	#Black	#Green	L(In.)
2	ELFB02230E	ELFB0223GE	.794

Pos	#Black	#Green	L(In.)
18	ELFB18230E	ELFB1823GE	3.994

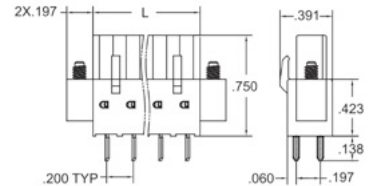
ELFB Vertical



Pos	#Black	#Green	L(In.)
2	ELFB02280	ELFB0228G	.400

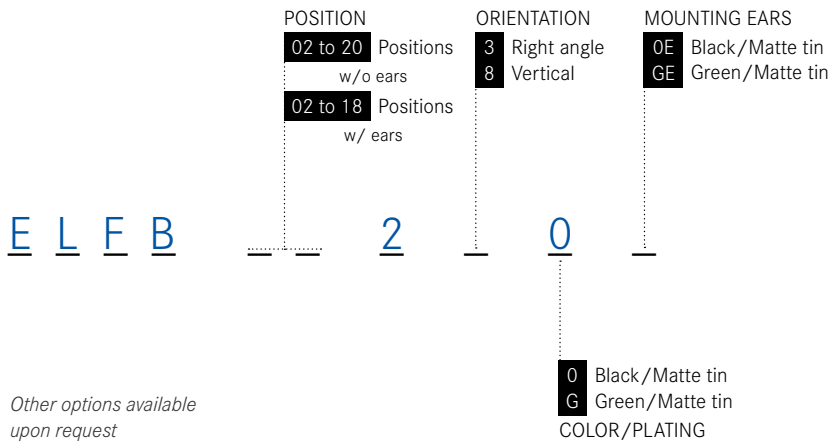
Pos	#Black	#Green	L(In.)
24	ELFB20280	ELFB2028G	4.00

ELFB Vertical - Eared



Pos	#Black	#Green	L(In.)
2	ELFB02280E	ELFB0228GE	.794

Pos	#Black	#Green	L(In.)
18	ELFB18280E	ELFB1828GE	3.994



SPECIFICATIONS

Current Rating: 15A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V

MATERIALS

Housing: Polyamide 4/6, UL 94V-0, black or green
 Contact: Copper alloy, optional finish
 Ear Screw M2.5: Steel, nickel finish

INSTALLATION

Hole Diameter: .055" min.

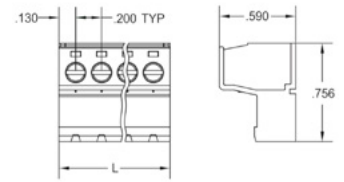
ELFY WIRE TO WIRE PLUG AND HEADER COMBO

ELFY is .200" plug and header combo design common used in wire to wire field application.

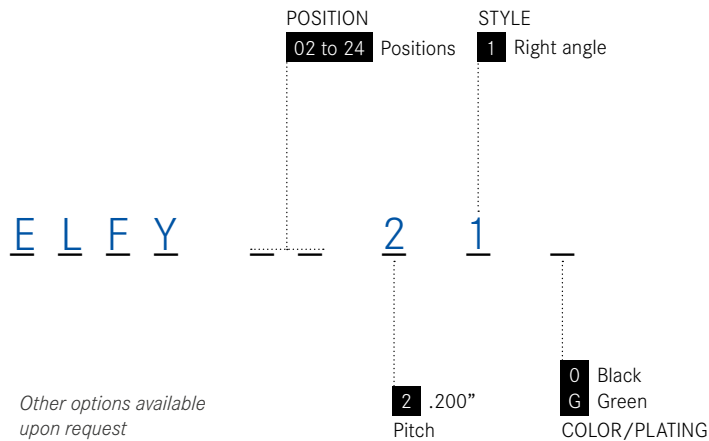
Plug side designed with moving cage clamp and screw wire termination ensures high reliability.

Header side is the same design with PCD ELFH, which can mating ELFP, ELFT, ELFF, ELFK and competitor's plugs etc...

ELFY - Right Angle



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELFY02210	ELFY0221G	.459	24	ELFY24210	ELFY2421G	4.859



SPECIFICATIONS

Current Rating: 15A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V
 Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

Housing: PA, UL 94V-0, black or green
 Contact: Copper alloy, optional finish
 Clamp Screw: Steel, nickel finish
 Wire clamp: Copper alloy, nickel finish
 Ear Screw: M2.5: Steel, nickel finish

INSTALLATION

Wire Range: #12-30 AWG
 Wire Strip Length: .310"
 Recommended Tightening Torque: 4.5 Ib-in. (0.5N-m)

SCFC SPRING CLAMP PLUG CONNECTOR

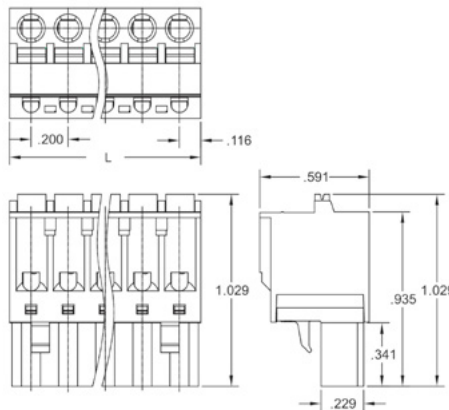
.200" spacing SCFC spring-clamp plugs utilize a stainless steel clamping spring to provide "screwless" wire termination. Convenient "front-front" design permits both wire entry and spring actuation from the same connector surface, simplifying operation.

SCFC plugs mate with the complete range of ELFH headers/ELFA headers, as well as compatible competitive headers.

Installation

When used with stranded wire, an actuating button is depressed to open the clamp and facilitate wire insertion. Releasing the button captures the wire in a gas-tight, high-pressure contact.

SCFC .200"



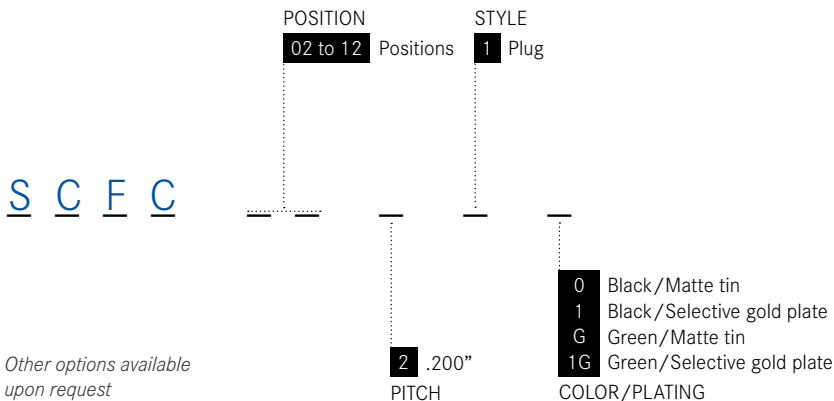
Pos	#Black	#Green	L(In.)
2	SCFC02210	SCFC0221G	.432
12	SCFC12210	SCFC1221G	2.432

One-hand Installation

If 18 AWG solid wire or larger is used, it is not necessary to operate the actuating button. The wire can be inserted directly into the connector, and will be securely retained by the angled clamp.

Variations

Plugs are available in black or green with tin-lead plating, standard. For gold plating, indicate "1" as eighth digit of catalog no. for black parts; "1G" replaces "G" for green parts. Contact Amphenol PCD Shenzhen to discuss marking options.



SPECIFICATIONS

- Current Rating: 10A
- Operating Voltage: 300V
- Insulation Resistance: >10⁵ Megohms
- Dielectric Withstanding: <3000V

MATERIALS

- Housing: PA 66-6, UL 94V-0, black or green
- Contact: Copper alloy, optional finish
- Spring clamp: Stainless steel

INSTALLATION

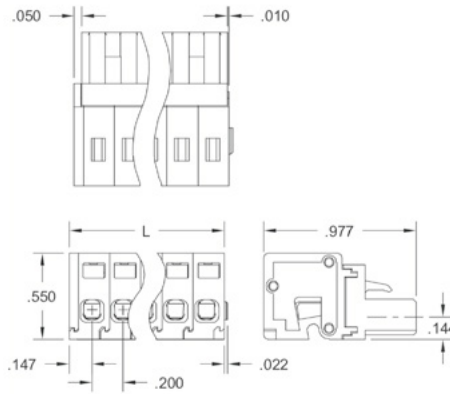
- Wire Range: #12-28 AWG
- Wire Strip Length: .394"
- Wire Pullout Force: Per UL 486E, Section 14

SCFF SPRING CLAMP PLUG CONNECTOR

.200" spacing SCFF spring-clamp plugs utilize a stainless steel clamping spring to provide "screwless" wire termination. Convenient "front-front" design permits both wire entry and spring actuation from the same connector surface, simplifying operation.

SCFF plugs mate with the complete range of ELFH headers/ELFA headers, as well as compatible competitive headers.

SCFF



Pos	#Black	#Green	L(In.)
2	SCFF02210	SCFF0221G	.460
24	SCFF24210	SCFF2421G	4.860

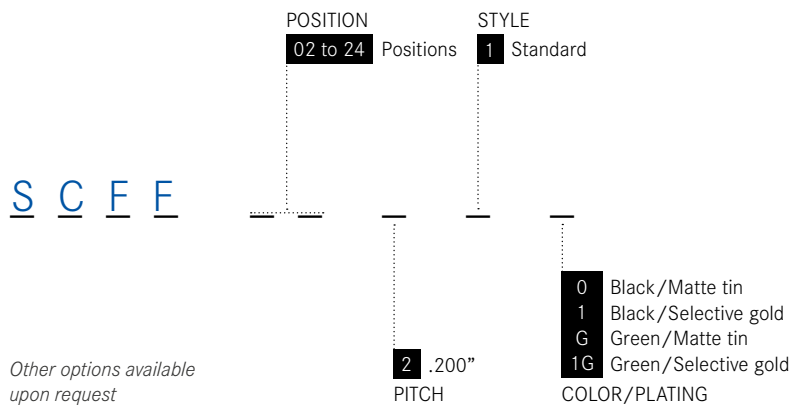
Installation

Individual spring contact clamps are depressed to insert or remove wires by a flat-bladed screwdriver in an actuation slot on the block.

Once wire is inserted and the spring released, the stainless steel spring clamp maintains a consistent high pressure, gas tight contact between the soft tin-lead plated block contact and the wire.

Variations

Plugs are available in black or green with tin-lead plating, standard. For gold plating, indicate "1" as the last digit of catalog no. for black parts; "1G" in the last position (in place of "G") for green parts. Contact Amphenol PCD Shenzhen to discuss marking options.



SPECIFICATIONS

Current Rating: 15A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V

MATERIALS

Housing: PPO, UL 94V-0, black or green
 Contact: Phosphor bronze, optional finish
 Spring clamp: Stainless steel

INSTALLATION

Wire Range: #12-28 AWG
 Wire Strip Length: .250"
 Wire Pullout Force: Per UL 486E, Section 14

FXP PLUGS

HYBRID TERMINAL BLOCKS

FXP Flexiplug® hybrid terminal blocks combine screwdriver barrier-block wire terminations pluggable block nose; and will mate with both PCD and competitive headers, Flexiplugs can be used interchangeably with moving cage clamp style plugs, such as ELF and both plug styles can be used in the same system.

FXP Even Pos

FXP Uneven Pos

FXP PLUGS WITH LOCKING EARS

Integrally molded locking ears are available with all Flexiplugs for use in high-stress or high-vibration applications or where unintentional disconnect must be prevented. Plug ears hold a capture floating locking screw engages or threaded insert in the ELFH header ear.

FXP Even Pos # w/Ears

FXP Uneven Pos # w/Ears

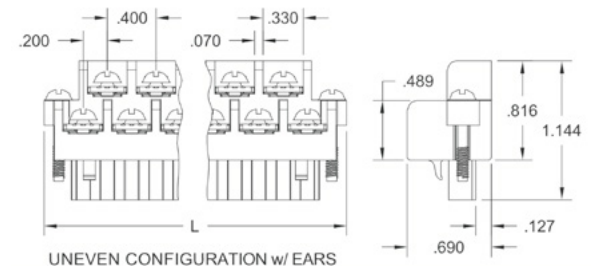
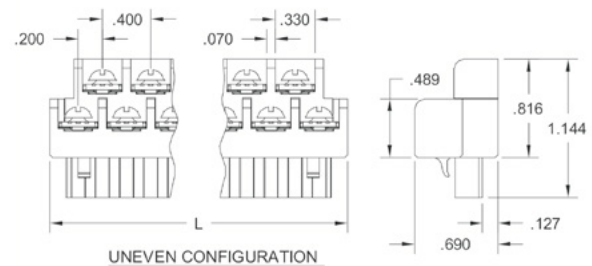
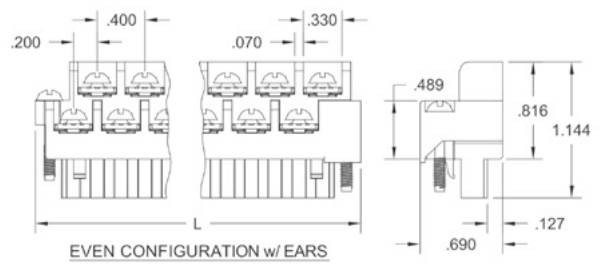
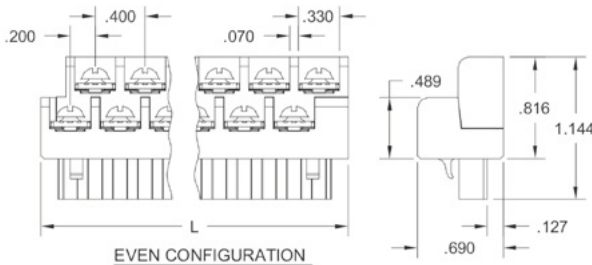


Pos	#Black	#Green	L(In.)
2	FXPT02200	FXPT022G0	0.670

Pos	#Black	#Green	L(In.)
3	FXPT03200	FXPT032G0	0.870

Pos	#Black	#Green	L(In.)
2	FXPT02200E	FXPT022G0E	0.840
2	FXPT02300E	FXPT023G0E	1.562

Pos	#Black	#Green	L(In.)
3	FXPT03200E	FXPT032G0E	1.040
3	FXPT03300E	FXPT033G0E	1.562



SPECIFICATIONS

- Current Rating: 15A
- Operating Voltage: 300V
- Insulation Resistance: >10⁵ Megohms
- Dielectric Withstanding: <3000V
- Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

- Housing: PPO, UL 94V-0, black or green
- Contact: Phosphor bronze, optional finish
- SEM Screw: M3, steel, nickel finish

INSTALLATION

- Wire Range: #12-26 AWG
- Wire Strip Length: .250"
- Recommended Tightening Torque: 12 lb-in. (1.35N-m)
- Screwdriver: #2 Philips, 1/4" blade

Other options available upon request

- POSITION**
 - 02 to 24 Positions FXP Even Pos #
 - 03 to 23 Positions FXP Uneven Pos #
 - 02 to 22 Positions FXP Even Pos # w/ ears
 - 03 to 23 Positions FXP Uneven Pos # w/ ears
- COLOR/PLATING**
 - 0 Black/Tin-lead
 - G Green/Tin-lead
 - 1 Black/Selective gold
 - 2 Green/Selective gold

OPTIONAL
E Ears

F X P

T Standard
R Reversed
TYPE

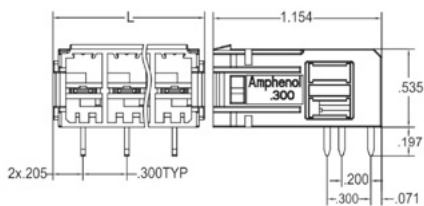
2 .200"
3 .300"
PITCH

0 Standard marking
A Right to left
M Left to right
Sn Special
MARKING

ELTH HEADERS

Available in right angle and vertical versions, a shroud design and keying capability prevent mismatching. Available in black and green.

ELTH Horizontal

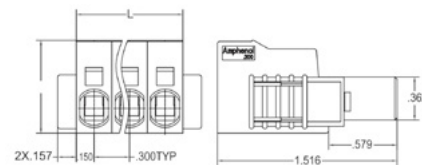


Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELTH02100	ELTH021G0	0.710	6	ELTH06100	ELTH061G0	1.910

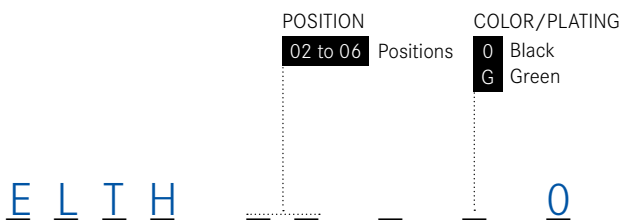
ELTP PLUGS WITH THUMB EARS

Screwless spring-clamp terminations designed to simplify installation and reduce time and labor. Also the thumb ear design allows easily lock and unlock during mating in field application.

ELTP w/TE

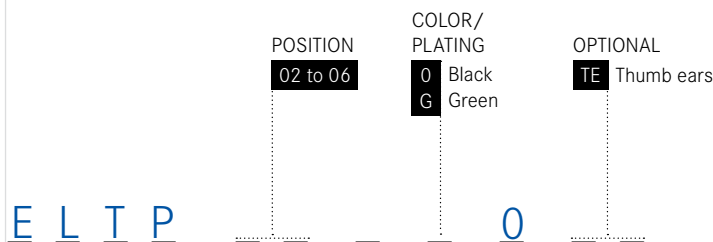


Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELTP02100TE	ELTP021G0TE	.600	6	ELTP06100TE	ELTP061G0TE	1.800



Other options available upon request

1 Right angle STYLE



Other options available upon request

1 Horizontal wire entry STYLE

SPECIFICATIONS

Current Rating: 31A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V
 Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

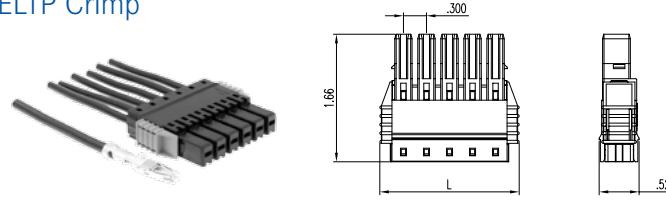
Housing: PA 6/6, UL 94V-0, black or green
 Contact: Copper matte tin finish
 Wire Clamp: Stainless steel

INSTALLATION

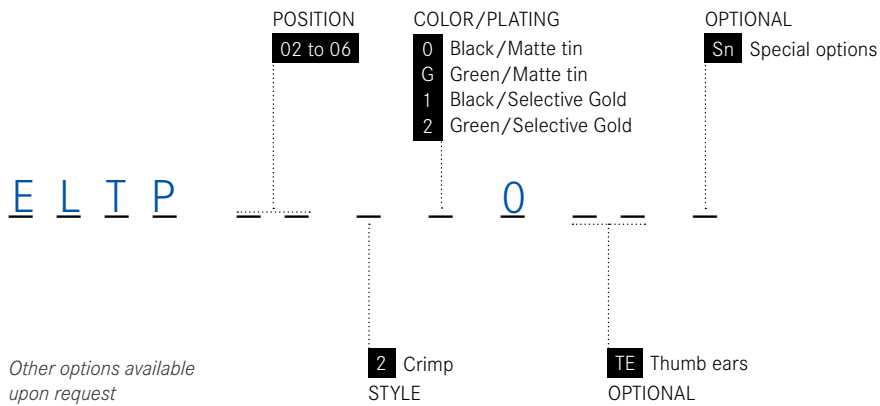
Wire Range: #8-20 AWG
 Wire Strip Length: .591"

ELTP Crimp

ELTP Crimp



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELTP02200TE	ELTP022G0TE	0.91	6	ELTP06200TE	ELTP062G0TE	2.11



SPECIFICATIONS

Current Rating: 30A
 Operating Voltage: 300V
 Insulation Resistance: >10³ Megohms
 Dielectric Withstanding: <1600V
 Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

Housing: Thermoplastic
 Contact: Copper, plating optional
 Spring clip: Stainless steel
 Thumb button: Thermoplastic

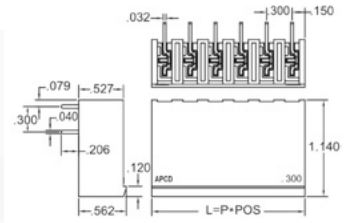
INSTALLATION

Wire Range: #10-12 AWG
 Wire Strip Length: .354"

EPCH HEADERS

Available in right angle and vertical versions, a shroud design and keying capability prevent mismatching. Available in black and green.

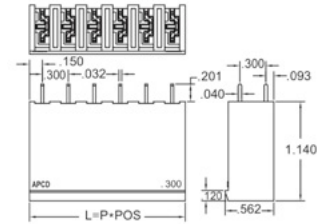
EPCH Right Angle



Pos	#Black	#Green	L(In.)
2	EPCH02410	EPCH0241G	.600

Pos	#Black	#Green	L(In.)
12	EPCH12410	EPCH1241G	3.600

EPCH Vertical



Pos	#Black	#Green	L(In.)
2	EPCH02450	EPCH0245G	.600

Pos	#Black	#Green	L(In.)
12	EPCH12450	EPCH1245G	3.600

E P C H

POSITION
02 to 12 Positions

ORIENTATION
1 Right Angle
5 Vertical

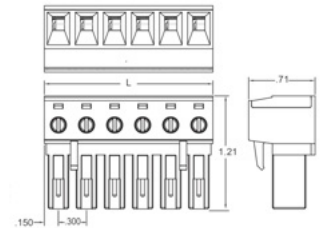
Other options available upon request

4 .300"
PITCH

0 Black
G Green
COLOR

EPCP POWER PLUGS

EPCP .300"



Pos	#Black	#Green	L(In.)
2	EPCP02410	EPCP0241G	.600

Pos	#Black	#Green	L(In.)
12	EPCP12410	EPCP1241G	3.600

E P C P

POSITION
02 to 12 Positions

1

Other options available upon request

4 .300"
PITCH

0 Black
G Green
COLOR

SPECIFICATIONS

Current Rating: 20A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V
 Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

Housing: PA 6/6, UL 94V-0, black or green
 Contact: Copper matte tin finish
 Clamp Screw: Steel, nickel finish
 Gage clamp: Copper alloy, nickel finish

INSTALLATION

Wire Range: #10-30 AWG
 Wire Strip Length: 0.35"
 Recommended Tightening Torque: 4.3 Ib-in. (0.48N-m)

.400" SPRING CLAMP PLUG CONNECTOR

Installation

Individual spring contact clamps are depressed to insert or remove wires by a flat-bladed screwdriver in an actuation slot on the block.

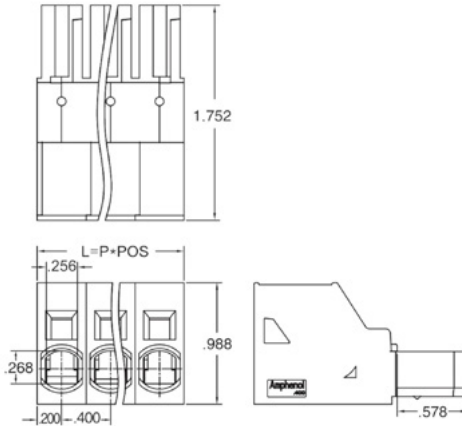
Once wire is inserted and the spring released, the stainless steel spring clamp maintains a consistent high pressure, gas tight contact between the soft tin-lead plated block contact and the wire.

Options and Variations

Terminations are available in black or green. Contact Amphenol PCD Shenzhen for information on marking and other application-specific variations.

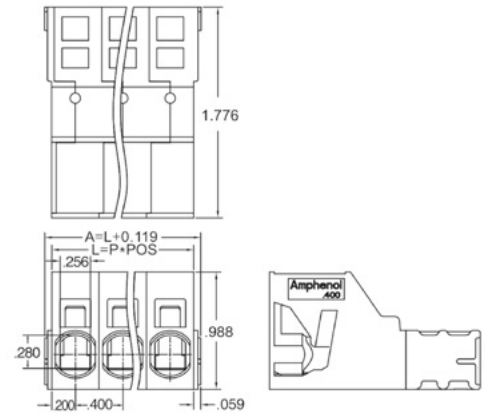
Silver plating is available.

ELQP



Pos	#Black	#Green	L(In.)
2	ELQP02100	ELQP021G0	.800
4	ELQP04100	ELQP041G0	1.60

ELQZ



Pos	#Black	#Green	L(In.)
2	ELOZ02100	ELOZ021G0	.800
4	ELOZ04100	ELOZ041G0	1.60

TYPE
P Plug
Z Receptacle
 POSITION
02 to 04 Positions
 COLOR
0 Black
G Green

E L Q 1 0

Other options available upon request

SPECIFICATIONS

Current Rating: 66A
 Operating Voltage: 600V
 Insulation Resistance: >10⁹ Megohms
 Dielectric Withstanding: <3000V

MATERIALS

Housing: PA 6/6, UL 94V-0, black or green
 Contact: Copper alloy, optional finish
 Spring clamp: Stainless steel

INSTALLATION

Wire Range: #4-20 AWG
 Wire Strip Length: .866"
 Wire Pullout Force: Per UL 486E, Section 14

ULTRA MINIATURE TERMINAL BLOCK

HIGHEST DENSITY

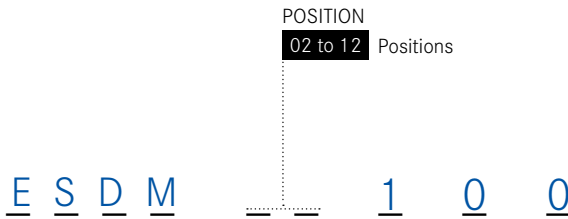
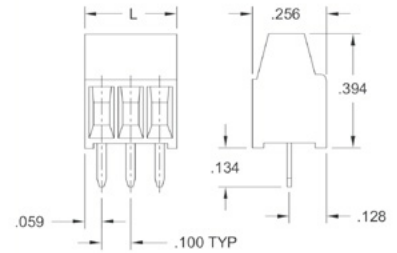
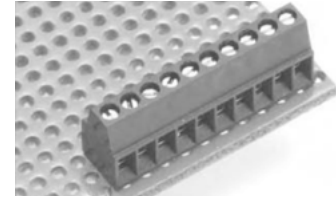
The .100" spacing ultra-high density and ultra-miniature ESDM terminal block, with a board footprint only .256" wide, offers the highest wire-to-board screw termination density available.

Available in black only.

MOVING CAGE CLAMP

Blocks feature moving cage clamp screw termination and are available in 2 through 12 positions, molded to size. Blocks are not side stackable.

.100" ESDM



Pos	#Black	L(In.)
2	ESDM02100	0.218
12	ESDM12100	1.218

SPECIFICATIONS

Current Rating: 10A
 Operating Voltage: 150V
 Insulation Resistance: >10³ Megohms

MATERIALS

Housing: Polyamide 6/6, UL 94V-0, black
 Contact: Copper alloy, tin-lead finish
 Clamp Screw: Copper alloy, nickel finish
 Wire Clamp: Copper alloy, nickel finish

INSTALLATION

Wire Range: #16-30 AWG
 Wire Strip Length: .160 to .200"
 Recommended Tightening Torque: 1.15 Ib-in. (0.13N-m)
 Wire Strip Length: .043" min.

SMVM/SMXM HIGH-DENSITY BLOCKS | SURFACE MOUNT, SCREW/SOLDERING RETENTION

TRUE SURFACE-MOUNT

True surface-mount terminal blocks facilitate board assembly. Tin-lead plated solder contact tabs are specifically designed for compatibility with SMT reflow solder installation.

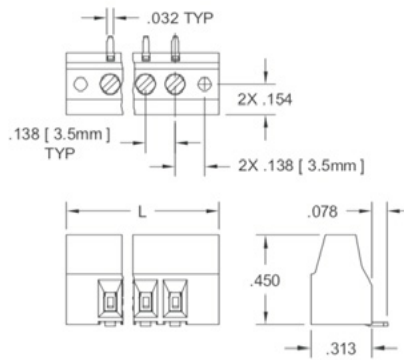
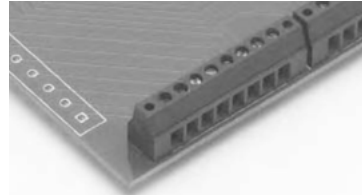
OTHER OPTIONS

Please contact Amphenol PCD Shenzhen regarding through-hole pin mounting, custom colors and marking, selective contact loading and tube packaging. Tape and reel packaging are both available.

FASTENING OPTIONS

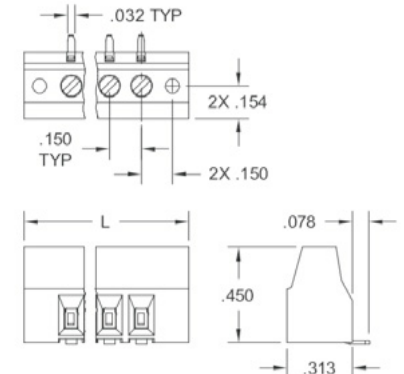
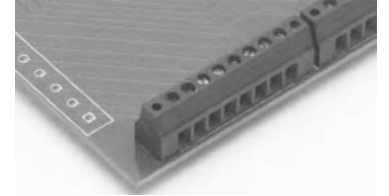
SMT terminal blocks must be securely and independently fastened to the board in order to isolate the solder contacts from stresses created by wire-to-board termination. Amphenol PCD Shenzhen SMV/SMX blocks are supplied with screw fasteners that provide a rigid tie-down mechanical link between connector and board, eliminating stress transfer (see illustration on this page).

3.5mm SMXM Terminal Block



Pos	#Black	#Green	L(In.)
2	SMXM02101	SMXM021G1	.552
10	SMXM10101	SMXM101G1	1.656

.150" SMVM Terminal Block



Pos	#Black	#Green	L(In.)
2	SMVM02101	SMVM021G1	.600
10	SMVM10101	SMVM101G1	1.800

POSITION
02 to 10 Positions

COLOR
0 Black
G Green

Other options available upon request

S M M 1

X .138"
V .150"
SPACING

0 Standard
1 SMT solder ears
1T SMT solder ears in tape and reel packaging
OTHER OPTION

SPECIFICATIONS

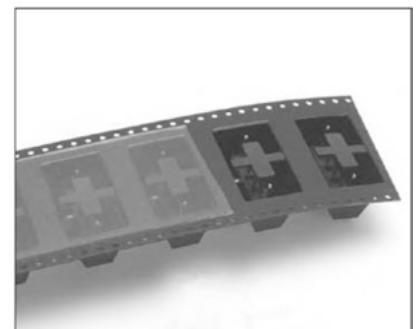
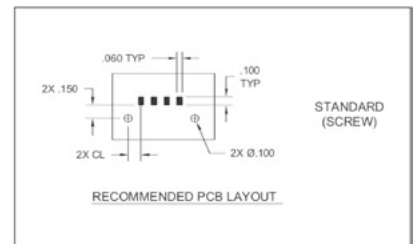
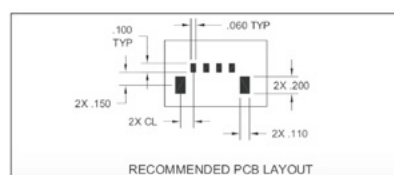
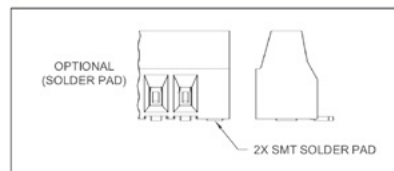
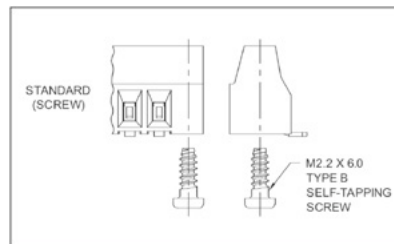
- Current Rating: 12A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Dielectric Withstandng: <1600V
- Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

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

INSTALLATION

- Wire Range: #16-28 AWG
- Wire Strip Length: .250"
- Recommended Tightening Torque: 2.2 Ib-in. (0.25N-m)



Tape-and-reel packaging available

ESBM LOW-PROFILE TERMINAL BLOCK

LOWEST HEIGHT-OFF-BOARD

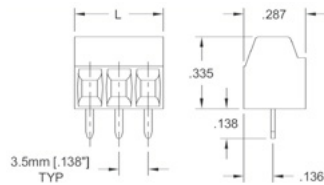
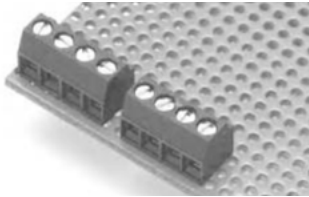
The .150"/3.5mm pitch ESB line offers the lowest height off the board – .335"/8.5mm – of any screw terminal block in any spacing. This minimal profile can be of critical importance in tight packaging configurations.

Available in black only.

MOVING CAGE CLAMP

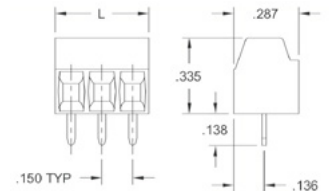
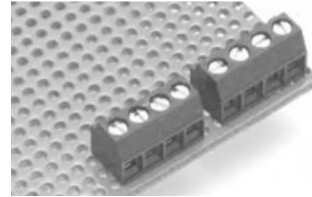
Blocks feature moving cage clamp screw termination, are available in 2 through 24 positions, molded to size, and can be installed end-to-end on the board without losing a contact position. This end-to-end capability allows users with diversified requirements to stock only a few basic block sizes, and assemble on the board to any block length desired.

3.5mm Pitch



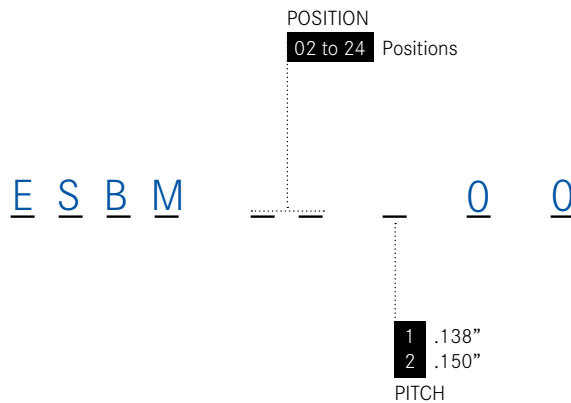
Pos	#Black	L(In.)
2	ESBM02100	.276

.150" Pitch



Pos	#Black	L(In.)
2	ESBM02200	0.300

Pos	#Black	L(In.)
24	ESBM24200	3.600



SPECIFICATIONS

Current Rating: 12A
 Operating Voltage: 150V
 Insulation Resistance: >10³ Megohms

MATERIALS

Housing: Polyamide 6/6, UL 94V-0, black
 Contact: Copper alloy, tin-lead finish
 Clamp Screw: Copper alloy, nickel finish
 Wire Clamp: Copper alloy, nickel finish

INSTALLATION

Wire Range: #16-28 AWG
 Wire Strip Length: .197"
 Recommended Tightening Torque: 2.2
 Ib-in. (0.25N-m)
 Hole diameter: .043" min.

ELXM/ELVM FIXED TERMINAL BLOCKS SMT COMPATIBLE

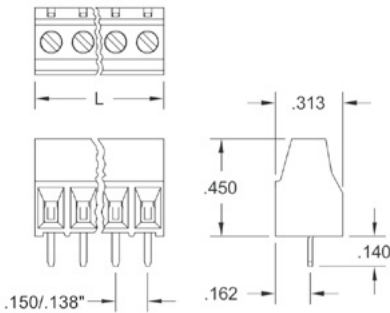
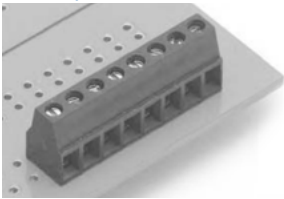
ELXM .138"/ELVM .150" spacing wire-to-board terminal blocks are available in vertical, horizontal and angled wire entry variations.

SMT COMPATIBILITY

The ELXM/ELVM 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.

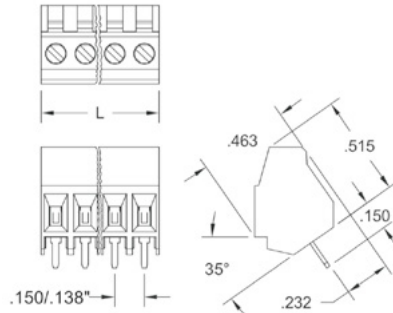
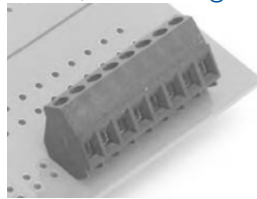
Moving cage clamp wire termination assures repeated, high-reliability connections. The housing is molded to size. Blocks are available in sizes 2 to 10, and can be stacked side-to-side on a board without loss of a contact position.

ELXM/ELVM Horizontal



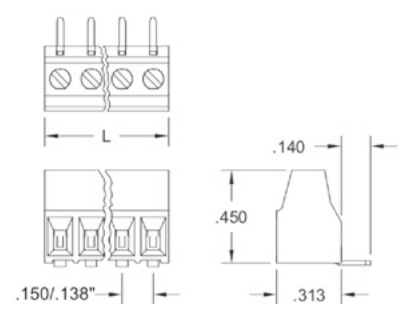
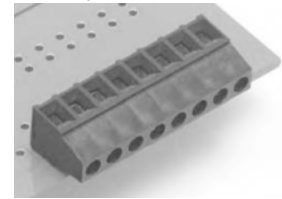
Pos	#Black	#Green	L(In.)
2	ELXM02100	ELXM021G0	.276
2	ELVM02100	ELVM021G0	.300

ELXM/ELVM Angled

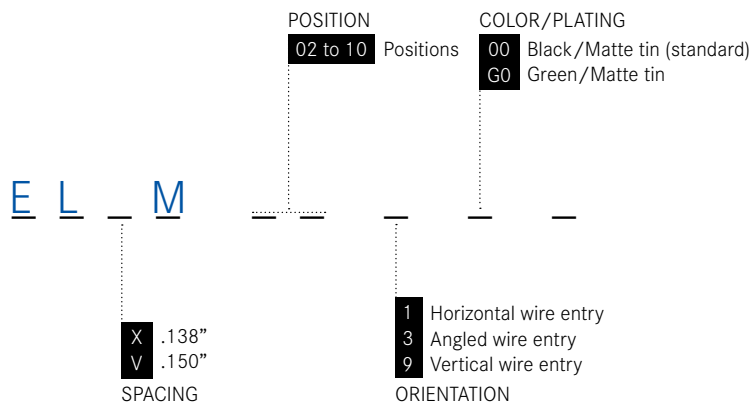


Pos	#Black	#Green	L(In.)
2	ELXM02300	ELXM023G0	.276
2	ELVM02300	ELVM023G0	.300

ELXM/ELVM Vertical



Pos	#Black	#Green	L(In.)
2	ELXM02900	ELXM029G0	.276
2	ELVM02900	ELVM029G0	.300



Other options available upon request

SPECIFICATIONS

Current Rating: 12A
Operating Voltage: 300V
Insulation Resistance: >10⁹ Megohms
Dielectric Withstanding: <3000V
Wire Pullout Force: Per UL 486E, Section 14

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

INSTALLATION

Wire Range: #16-28 AWG
Wire Strip Length: .250"
Recommended Tightening Torque: 2.0 Ib-in. (0.23N-m)
Hole diameter: .047" min.

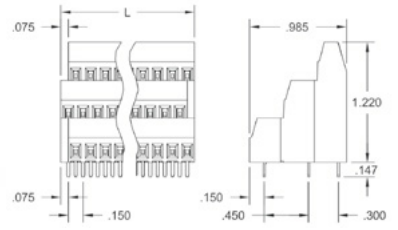
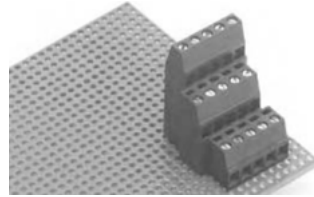
EL3V 3-TIER | HIGH-DENSITY TERMINAL BLOCK

High-density, 3-tier version of the .150" EL3V terminal block. Molded to size in 3-tier configurations ranging from a total of 6 to 30 contacts. Blocks can be stacked adjacent to each other on a board without the loss of a position. Moving cage clamp wire terminations ensure reliability and repeated reusability.

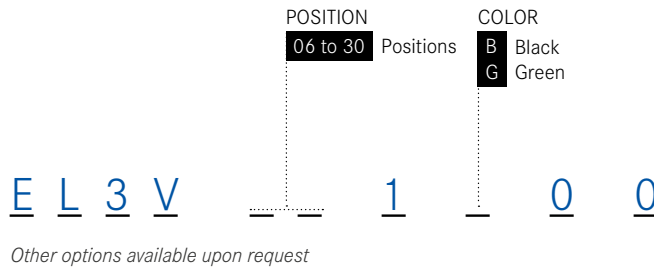
Options and Variations

Available in black or green. Please contact Amphenol PCD Shenzhen regarding marking and custom configuration.

.150" EL3V



Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
6	EL3V061B00	EL3V061G00	.375	30	EL3V301B00	EL3V301G00	1.575



SPECIFICATIONS

- Current Rating: 12A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Dielectric Withstanding: <1600V
- Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

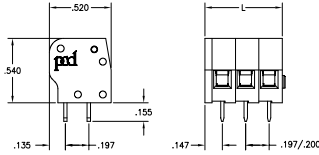
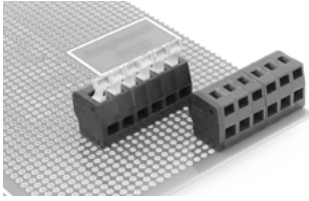
- Housing: Polyamide 4/6, UL 94V-0, black or green
- Contact: Brass, tin-lead finish
- Wire Screw: Copper alloy, nickel finish
- Wire Clamp: Copper alloy, nickel finish

INSTALLATION

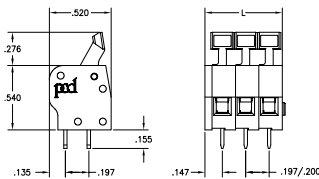
- Wire Range: #16-28 AWG
- Wire Strip Length: .250"
- Recommended Tightening Torque: 2.2 Ib-in. (0.25N-m)
- Hole Diameter: .047 min.

SCM WIRE-TO-BOARD TERMINAL BLOCKS | SPRING CLAMP WIRE TERMINATION

SCM Horizontal



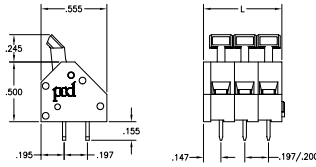
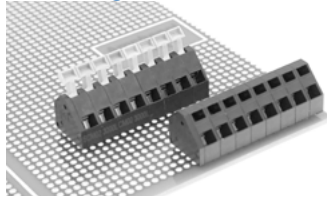
WITHOUT LEVER



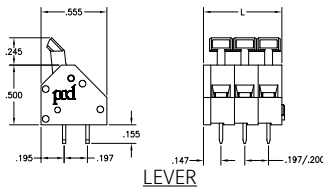
LEVER

Pos	w/o Lever	Lever	L(In.)
2	SCM021100	SCM021100L	.453"
2	SCM021000	SCM021000L	.460"

SCM Angled



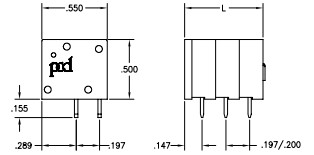
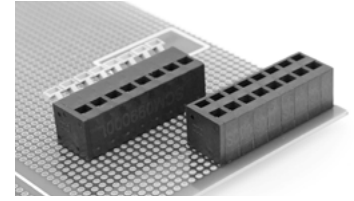
WITHOUT LEVER



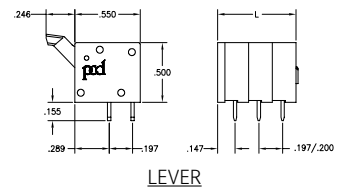
LEVER

Pos	w/o Lever	Lever	L(In.)
2	SCM023100	SCM023100L	.453"
2	SCM023000	SCM023000L	.460"

SCM Vertical



WITHOUT LEVER



LEVER

Pos	w/o Lever	Lever	L(In.)
2	SCM029100	SCM029100L	.453"
2	SCM029000	SCM029000L	.460"

S C M

POSITION
02 to 20 Positions

SPACING
0 .200" (5.08mm)
1 .197" (5.00mm)

MARKING
0 Standard
A Right to left
M Left to right

Other options available
upon request

TYPE
0 1 pin horizontal
1 2 pin horizontal
2 1 pin angled
3 2 pin angled
8 1 pin vertical
9 2 pin vertical

COLOR
0 Black
G Green
C Creme
R Red
W Blue
Y Beige

STYLE
L Levers
N No endcaps
LN Levers. No endcaps
SN Special (# to be determined)

MATERIALS

Housing: PA, UL 94V-0, black
Contact: Brass, tin-lead finish
Spring clamp: Stainless steel

INSTALLATION

Wire Range: #12-28 AWG
Wire Strip Length: .220"
Hole Diameter: .047 min.

SPECIFICATIONS

Current Rating: 20A
Operating Voltage: 300V
Insulation Resistance: >10³ Megohms
Dielectric Withstanding: <1600V
Wire Pullout Force: Per UL 486E, Section 14

ELM FIXED TERMINAL BLOCKS | MODULAR, ASSEMBLED-TO-SIZE

ELM .197"/.200" spacing wire-to-board moving cage clamp terminal blocks are available in vertical, horizontal and angled wire entry variations.

INTERLOCKING MODULES

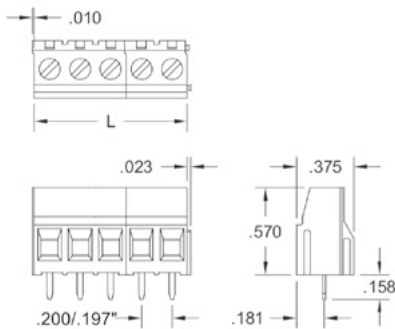
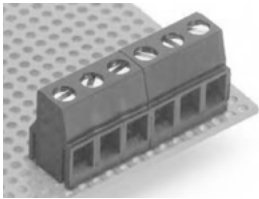
The ELM family consists of precision molded 2- and 3-position screw termination modules with interlocking dovetails. Modules can be joined without loss of pin spacing, giving users the option of purchasing and stocking only the 2- and 3-position modules—and assembling to size in-house—in order to minimize inventory and maintain flexibility; or ordering product already assembled to size.

OPTIONS AND VARIATIONS

ELM terminations are available in black or green.

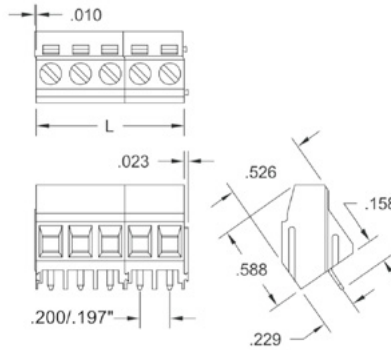
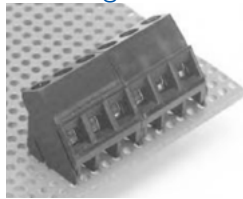
Contact Amphenol PCD Shenzhen for information on marking, hold-down mounting ears and other application-specific variations.

ELM Horizontal



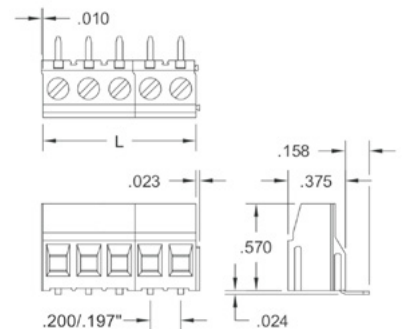
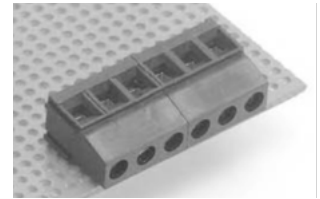
Pos	#Black	#Green	L(In.)
2	ELM021200	ELM02120G	.400
2	ELM021100	ELM02110G	.394

ELM Angled



Pos	#Black	#Green	L(In.)
2	ELM023200	ELM02320G	.400
2	ELM023100	ELM02310G	.394

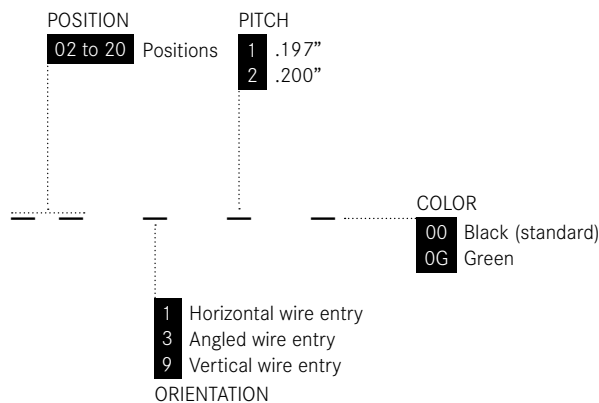
ELM Vertical



Pos	#Black	#Green	L(In.)
2	ELM029200	ELM02920G	.400
2	ELM029100	ELM02910G	.394

E L M

Other options available upon request



SPECIFICATIONS

Current Rating: 15A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V
 Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

Housing: PBT, UL 94V-0, black or green
 Contact: Brass, tin-lead finish
 Wire Clamp: Copper alloy, nickel finish
 Clamp Screw: Copper alloy, nickel finish

INSTALLATION

Wire Range: #12-28 AWG
 Wire Strip Length: .250"
 Recommended Tightening Torque: 7 Ib-in. (0.79N-m)
 Hole diameter: .051" min.

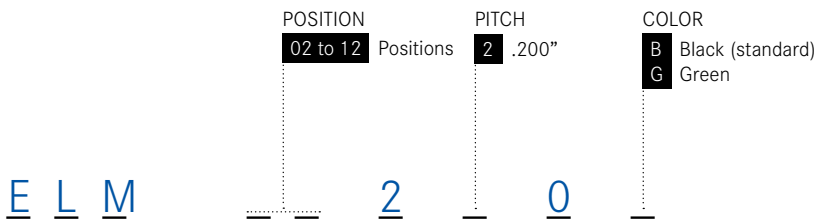
ELM SERIE WITH PRESS FIT INSTALLATION | MODULAR TERMINAL BLOCK

MODULAR CONSTRUCTION

The .200" (5.08mm) Press fit ELM Series terminal block features moving cage clamp wire termination and modular construction. Terminal block designed with compliant pin avoid the common soldering and make the installation more easily and efficiently.

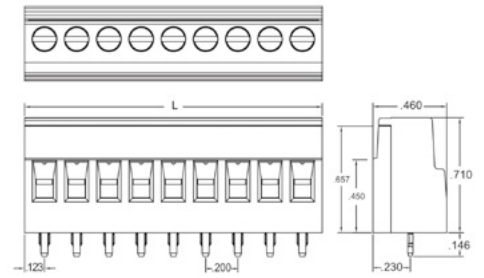
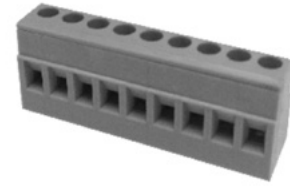
OPTIONS AND VARIATIONS

Terminations are available in black or green. Contact Amphenol PCD Shenzhen for information on marking and other application-specific variations.



Other options available upon request

ELM - 5.08-Press Fit



Pos	#Black	#Green	L(In.)
2	ELM022200	ELM02220G	.446
12	ELM122200	ELM12220G	2.446

SPECIFICATIONS

- Current Rating: 10A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Dielectric Withstanding: <1600V
- Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

- Housing: PA66, UL 94V-0, black or green
- Contact: Brass, tin-lead finish
- Clamp screw: Steel, nickel finish
- Wire Clamp: Copper alloy, nickel finish

INSTALLATION

- Wire Range: #12-30 AWG
- Wire Strip Length: .315"
- Recommended Tightening Torque: 5.0 lb-in. (0.56N-m)
- Wire Strip Length: .055" min.

ELMM LOW-PROFILE | ANGLED MODULAR TERMINAL BLOCK

High Board Density

The angled .200" (5.08mm) low profile ELMM series incorporates a 45° angle to maximize use of space by allowing terminal blocks to be stacked front-to-back, providing users full access to wires and screws even when the blocks are fully wired. The angled wire entry also facilitates training of wires in the desired direction. Blocks feature moving cage clamp termination.

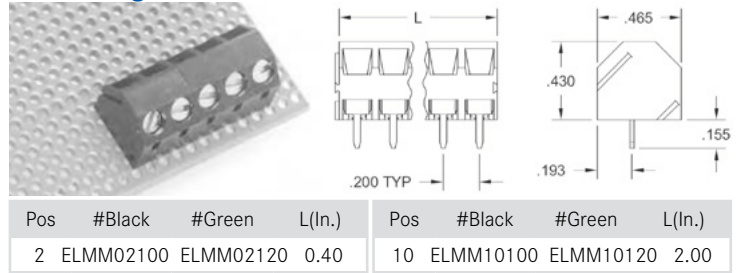
Modular Construction

The terminal blocks are molded as 2 to 10-position modules with interlocking dovetails and can be assembled to length without loss of pin spacing. Longer connectors are readily assembled from modules. Users can purchase modules or assemblies to specific size, or stock a limited number of smaller modules and assemble in-house to suit requirements.

Options and Variations

Terminations are available in black or green. Contact Amphenol PCD Shenzhen for information on marking and other application-specific variations.

ELMM Angled



POSITION

- 02 to 10 ELMM Modules
- 11 to 20 ELMM Assemblies

COLOR

- 0 Black
- 1 Modicon grey
- 2 Green

ORIENTATION

- 1 Angled wire entry

OPTION

- 0 Standard Marked (see assembly print)

Other options available upon request

SPECIFICATIONS

- Current Rating: 10A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Dielectric Withstanding: <1600V
- Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

- Housing: PBT, UL 94V-0, black or green
- Contact: Brass, tin-lead finish
- Clamp screw: Steel, nickel finish
- Wire Clamp: Copper alloy, nickel finish

INSTALLATION

- Wire Range: #16-28 AWG
- Wire Strip Length: .250"
- Recommended Tightening Torque: 6.0 Ib-in. (0.68N-m)
- Hole Diameter: .055" min.

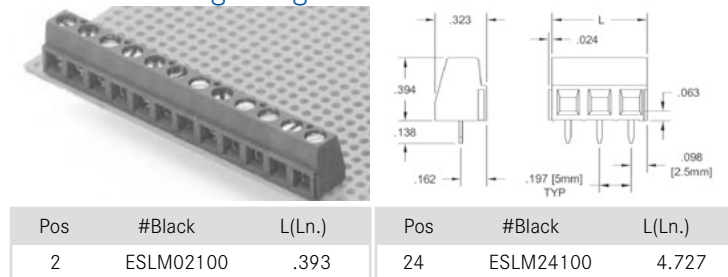
ESLM LOW-PROFILE | HORIZONTAL MODULAR TERMINAL BLOCK

MODULAR CONSTRUCTION

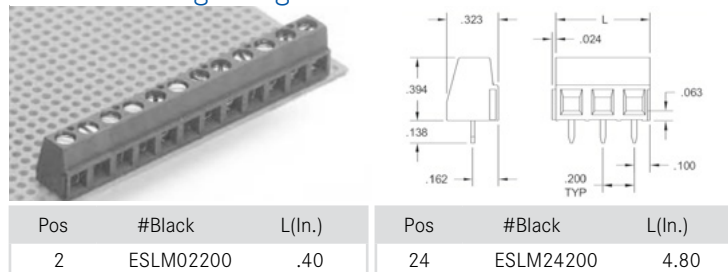
The .200" (5.08mm)/5.0mm (.197") low profile ESLM series terminal block features moving cage clamp wire termination and modular construction.

The terminal blocks are molded as 2-to 24-position modules with interlocking dovetails and can be assembled to length without loss of pin spacing. Longer connectors are readily assembled from modules. Users can purchase modules or assemblies to specific size, or stock a limited number of smaller modules and assemble in-house to suit requirements.

5.0mm ESLM Right Angle



.200" ESLM Right Angle



POSITION

- 02 to 24

PITCH

- 1 .197"
- 2 .200"

LOCKING TAB

- T Locking tab (shown in hidden lines)

ESLM

MATERIALS

- Housing: Polyamide 6/6, UL 94V-0, black
- Contact: Copper alloy, tin-lead finish
- Clamp screw: Copper alloy, nickel finish
- Wire Clamp: Copper alloy, nickel finish

SPECIFICATIONS

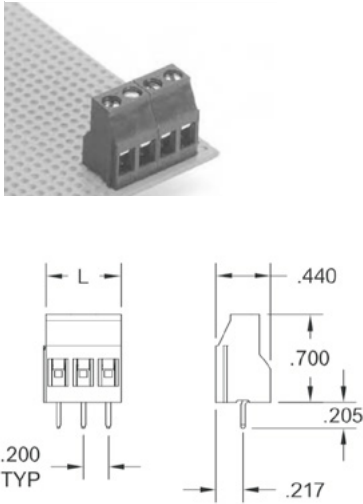
- Current Rating: 13.5A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms

INSTALLATION

- Wire Range: #14-30 AWG
- Wire Strip Length: .197" to .236"
- Recommended Tightening Torque: 4.4 Ib-in. (0.5N-m)
- Hole Diameter: .043" min.

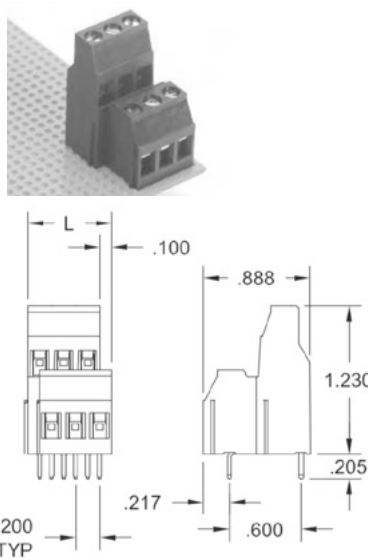
EL1M/2M/3M HEAVY-DUTY TERMINAL BLOCKS | MULTI-TIER, LEFT OFFSET (STANDARD)

EL1M 1-Tier



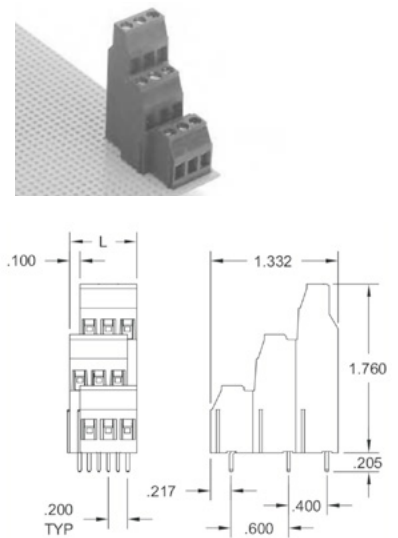
EL1M Modules		(In.)
2	EL1M022B00 EL1M022G00	.40
3	EL1M032B00 EL1M032G00	.60
EL1M Assemblies		(In.)
4	EL1M042B00 EL1M042G00	.80
22	EL1M222B00 EL1M222G00	4.40

EL2M 2-Tier



EL2M Modules		(In.)
2	EL2M042B00 EL2M042G00	.50
6	EL2M062B00 EL2M062G00	.70
EL2M Assemblies		(In.)
8	EL2M082B00 EL2M082G00	.90
44	EL2M442B00 EL2M442G00	4.50

EL3M 3-Tier



EL3M Modules		(In.)
6	EL3M062B00 EL3M062G00	.50
9	EL3M092B00 EL3M092G00	.70
EL3M Assemblies		(In.)
12	EL3M122B00 EL3M122G00	.90
66	EL3M662B00 EL3M662G00	4.50

SPECIFICATIONS

- Current Rating: 20A
- Operating Voltage: 300V
- Insulation Resistance: >10⁵ Megohms
- Dielectric Withstanding: <3000V
- Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

- Housing: PA, UL 94V-0, black or green
- Contact: Copper alloy, tin-lead finish
- Clamp screw: Copper alloy, nickel finish
- Wire Clamp: Copper alloy, nickel finish

INSTALLATION

- Wire Range: #12-30 AWG
- Wire Strip Length: .310"
- Recommended Tightening Torque: 7 Ib-in. (0.79N-m)
- Hole Diameter: .051" min.

Heavy Duty

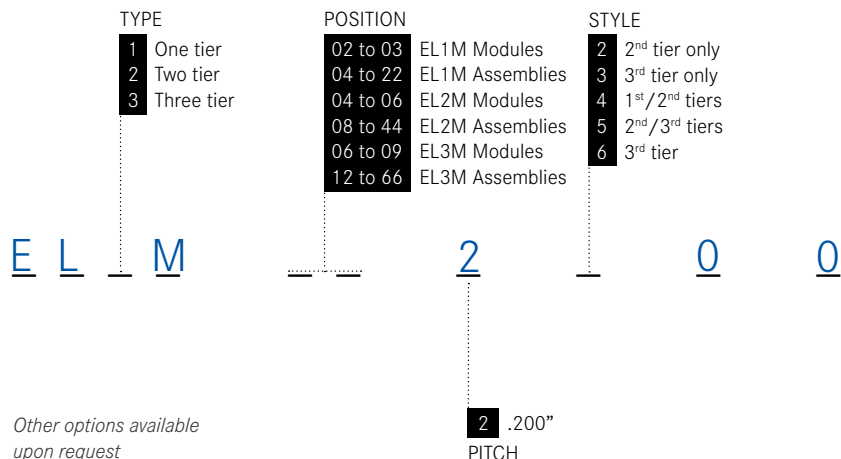
Multi-tier, .200" spacing heavy duty terminal blocks are rated at 20A, and combine a larger wire accommodation range and higher current rating with the enhanced board density provided by the multi-tier design. Moving cage clamp wire termination ensures high reliability.

Interlocking Modules

Blocks are available in 1-, 2- and 3-tier configurations. Each configuration consists of precision molded 2- and 3-position-wide modules with interlocking dovetails. Modules can be easily assembled to length. Users have the option of purchasing and stocking only the 2- and 3-position modules, and assembling to size in-house, in order to minimize inventory and maintain flexibility; or ordering product already assembled to size.

Options and Variations

Terminations are available in black or green. Contact Amphenol PCD Shenzhen for information on marking and other application-specific variations.



ESLT MULTI-TIER TERMINAL BLOCKS | LOW PROFILE MODULAR ASSEMBLY

Enhanced Density

Multi-tier, .200"/5.0mm spacing terminal blocks are rated at 13.5A and combine low profile with the enhanced board density provided by the multi-tier design. Moving cage clamp wire termination ensures high reliability.

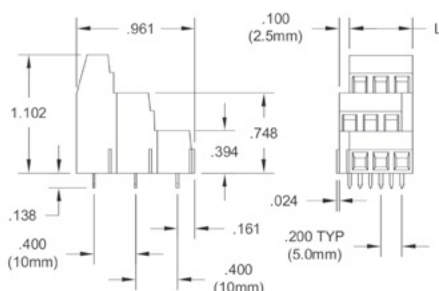
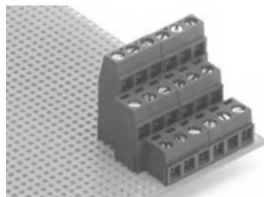
Interlocking Modules

Blocks range to 3 tiers high and are available in five different configurations: full (3 tiers), 2nd/3rd tier, 1st/2nd tier, 2nd-tier-only and 3rd-tier-only. Each configuration consists of 2- and 3-position-wide modules with interlocking dovetails. Modules can be easily assembled to length. Users have the option of purchasing and stocking only the 2- and 3-position modules, and assembling to size in-house, in order to minimize inventory and maintain flexibility; or ordering product already assembled to size.

Modules are also back-to-front stackable for maximum system flexibility with a minimum number of different modules. A 1st/2nd tier module, for example, can be placed on a board in front of a 3-tier-only module.

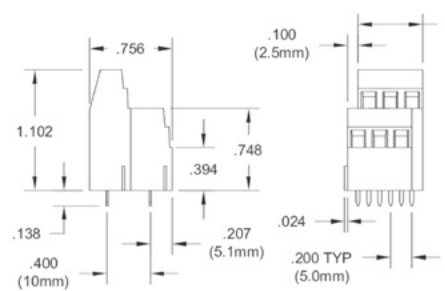
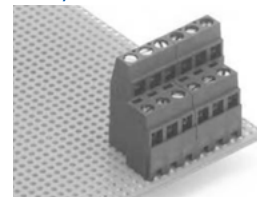
Available in black only.

3-Tier

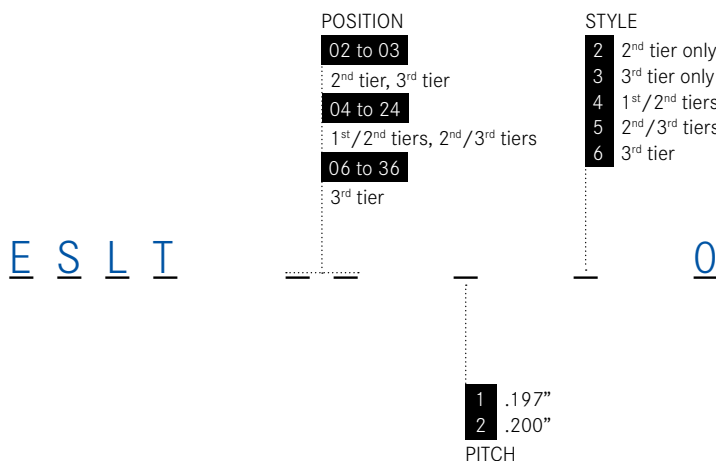


.200" Pitch Modules		
6	ESLT06260	.400"
9	ESLT09260	.600"
.200" Pitch Assemblies		
12	ESLT12260	.800"
36	ESLT36260	2.400"
5mm Pitch Modules		
6	ESLT06160	.402"
9	ESLT09160	.598"
5mm Pitch Assemblies		
12	ESLT12160	.799"
36	ESLT36160	2.402"

2nd/3rd Tiers



.200" Pitch Modules		
4	ESLT04250	.400"
6	ESLT06250	.600"
.200" Pitch Assemblies		
8	ESLT08250	.800"
24	ESLT24250	2.400"
5mm Pitch Modules		
4	ESLT04150	.402"
6	ESLT06150	.598"
5mm Pitch Assemblies		
8	ESLT08150	.799"
24	ESLT24150	2.402"



SPECIFICATIONS

Current Rating: 13.5A
Operating Voltage: 300V
Insulation Resistance: >10³ Megohms

MATERIALS

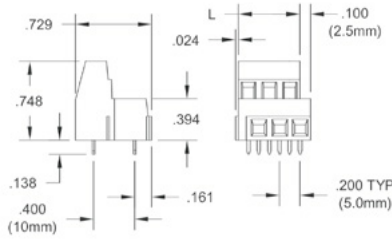
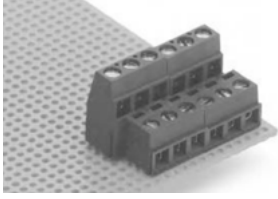
Housing: Polyamide 6/6, UL 94V-0, black
Contact: Copper alloy, tin-lead finish
Clamp screw: Copper alloy, nickel finish
Wire Clamp: Copper alloy, nickel finish

INSTALLATION

Wire Range: #14-30 AWG
Wire Strip Length: .197" to .236"
Recommended Tightening Torque: 4.4 Ib-in. (0.5N-m)
Hole Diameter: .043" min.

ESLT MULTI-TIER TERMINAL BLOCKS LOW-PROFILE MODULAR ASSEMBLY

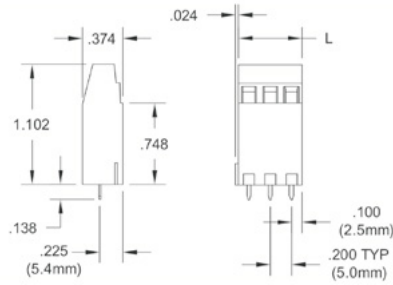
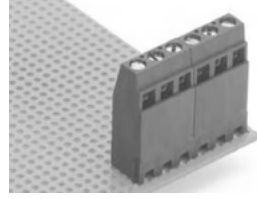
1st/2nd Tiers



.200" Pitch Modules		
4	ESLT04240	.400"
6	ESLT06240	.600"
.200" Pitch Assemblies		
8	ESLT08240	.800"
24	ESLT24240	2.400"

5mm Pitch Modules		
4	ESLT04140	.402"
6	ESLT06140	.598"
5mm Pitch Assemblies		
8	ESLT08140	.799"
24	ESLT24140	2.402"

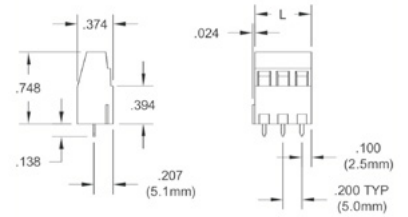
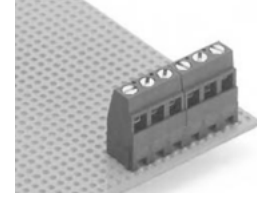
3rd Tier Only



.200" Pitch Modules		
2	ESLT02230	.400"
3	ESLT03230	.600"
.200" Pitch Assemblies		
4	ESLT04230	.800"
12	ESLT12230	2.400"

5mm Pitch Modules		
2	ESLT02130	.402"
3	ESLT03130	.598"
5mm Pitch Assemblies		
4	ESLT04130	.799"
12	ESLT12130	2.402"

2nd Tier Only



.200" Pitch Modules		
2	ESLT02220	.400"
3	ESLT03220	.600"
.200" Pitch Assemblies		
4	ESLT04220	.800"
12	ESLT12220	2.400"

5mm Pitch Modules		
2	ESLT02120	.402"
3	ESLT03120	.598"
5mm Pitch Assemblies		
4	ESLT04120	.799"
12	ESLT12120	2.402"

SPECIFICATIONS

Current Rating: 13.5A
Operating Voltage: 300V
Insulation Resistance: >10³ Megohms

MATERIALS

Housing: Polyamide 6/6, UL 94V-0, black
Contact: Copper alloy, tin-lead finish
Clamp screw: Copper alloy, nickel finish
Wire Clamp: Copper alloy, nickel finish

INSTALLATION

Wire Range: #14-30 AWG
Wire Strip Length: .197" to .236"
Recommended Tightening Torque: 4.4
Ib-in. (0.5N-m)
Hole Diameter: .043" min.

ESMT MULTI-TIER TERMINAL BLOCKS | MID-PROFILE MODULAR ASSEMBLY

Enhanced Density

Multi-tier, .200"/5.0mm spacing terminal blocks are rated at 17.5A and provide enhanced board density as well as system flexibility. Moving cage clamp wire termination ensures high reliability.

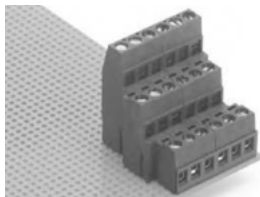
Interlocking Modules

Blocks range to 3 tiers high and are available in five different configurations: full (3 tiers), 2nd/3rd tier, 1st/2nd tier, 2nd-tier-only and 3rd-tier-only. Each configuration consists of 2- and 3-position-wide modules with interlocking dovetails. Modules can be easily assembled to length. Users have the option of purchasing and stocking only the 2- and 3-position modules, and assembling to size in-house, in order to minimize inventory and maintain flexibility; or ordering product already assembled to size.

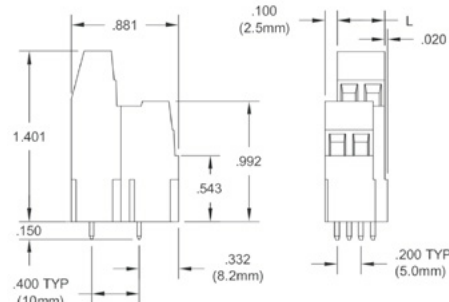
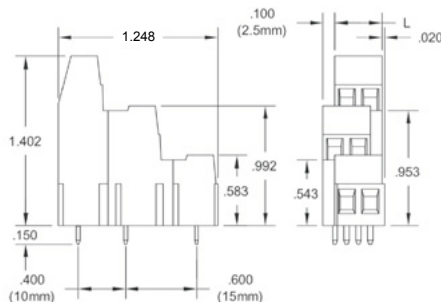
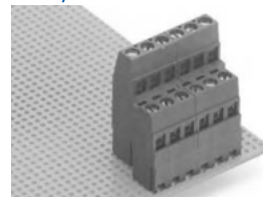
Modules are also back-to-front stackable for maximum system flexibility with a minimum number of different modules. A 1st/2nd tier module, for example, can be placed on a board in front of a 3-tier-only module.

Available in black only.

3-Tier



2nd/3rd Tiers

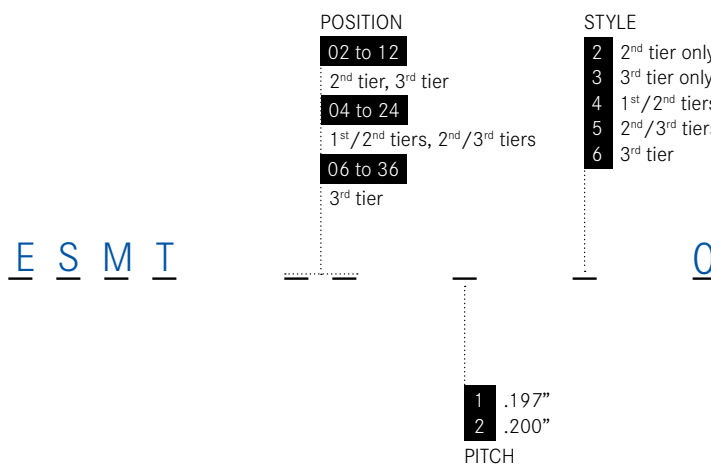


.200" Pitch Modules		
6	ESMT06260	.400"
9	ESMT09260	.600"
.200" Pitch Assemblies		
12	ESMT12260	.800"
36	ESMT36260	2.400"

.200" Pitch Modules		
4	ESMT04250	.400"
6	ESMT06250	.600"
.200" Pitch Assemblies		
8	ESMT08250	.800"
24	ESMT24250	2.400"

5mm Pitch Modules		
6	ESMT06160	.402"
9	ESMT09160	.598"
5mm Pitch Assemblies		
12	ESMT12160	.799"
36	ESMT36160	2.402"

5mm Pitch Modules		
4	ESMT04150	.402"
6	ESMT06150	.598"
5mm Pitch Assemblies		
8	ESMT08150	.799"
24	ESMT24150	2.402"



SPECIFICATIONS

- Current Rating: 17.5A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Contact Resistance: <15milliohms

MATERIALS

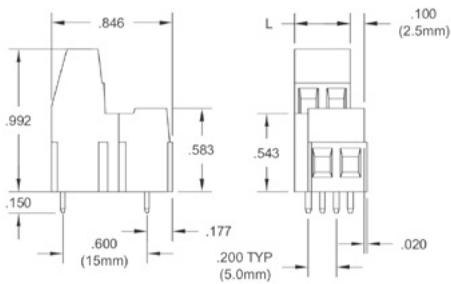
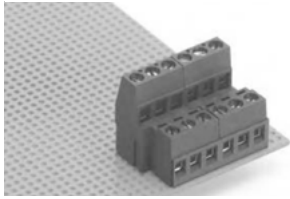
- Housing: PA, UL 94V-0, black
- Contact: Copper alloy, tin-lead finish
- Clamp screw: Copper alloy, nickel finish
- Wire Clamp: Copper alloy, nickel finish

INSTALLATION

- Wire Range: #12-30 AWG
- Wire Strip Length: .216" to .256"
- Recommended Tightening Torque: 4.4 Ib-in. (0.5N-m)
- Hole Diameter: .043" min.

ESMT MULTI-TIER TERMINAL BLOCKS | MID-PROFILE MODULAR ASSEMBLY

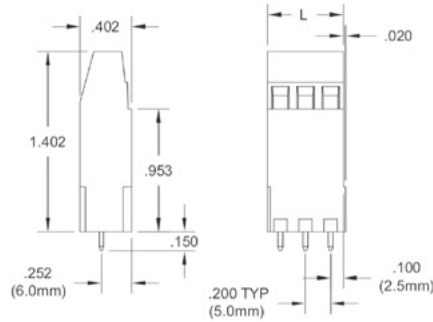
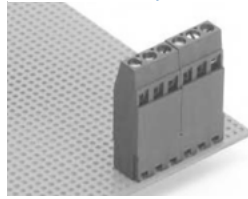
1st/2nd Tiers



.200" Pitch Modules		
4	ESMT04240	.400"
6	ESMT06240	.600"
.200" Pitch Assemblies		
8	ESMT08240	.800"
24	ESMT24240	2.400"

5mm Pitch Modules		
4	ESMT04140	.402"
6	ESMT06140	.598"
5mm Pitch Assemblies		
8	ESMT08140	.799"
24	ESMT24140	2.402"

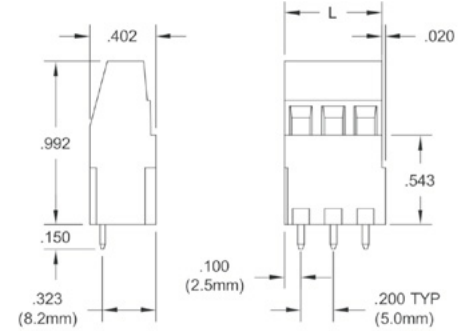
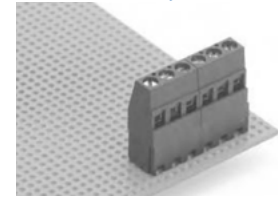
3rd Tier Only



.200" Pitch Modules		
2	ESMT02230	.400"
3	ESMT03230	.600"
.200" Pitch Assemblies		
4	ESMT04230	.800"
12	ESMT12230	2.400"

5mm Pitch Modules		
2	ESMT02130	.402"
3	ESMT03130	.598"
5mm Pitch Assemblies		
4	ESMT04130	.799"
12	ESMT12130	2.402"

2nd Tier Only



.200" Pitch Modules		
2	ESMT02220	.400"
3	ESMT03220	.600"
.200" Pitch Assemblies		
4	ESMT04220	.800"
12	ESMT12220	2.400"

5mm Pitch Modules		
2	ESMT02120	.402"
3	ESMT03120	.598"
5mm Pitch Assemblies		
4	ESMT04120	.799"
12	ESMT12120	2.402"

SPECIFICATIONS

Current Rating: 17.5A
 Operating Voltage: 300V
 Insulation Resistance: >10³ Megohms
 Contact Resistance: <15milliohms

MATERIALS

Housing: PA, UL 94V-0, black
 Contact: Copper alloy, tin-lead finish
 Clamp screw: Copper alloy, nickel finish
 Wire Clamp: Copper alloy, nickel finish

INSTALLATION

Wire Range: #12-30 AWG
 Wire Strip Length: .216" to .256"
 Recommended Tightening Torque: 4.4
 lb-in. (0.5N-m)
 Hole Diameter: .043" min.

ESTT MULTI-TIER TERMINAL BLOCKS | TALL-PROFILE MODULAR ASSEMBLY

Enhanced Density

Multi-tier, .200"/5.0mm spacing terminal blocks are rated at 24A and provide high current capacity and enhanced board density as well as system flexibility. Moving cage clamp wire termination ensures high reliability.

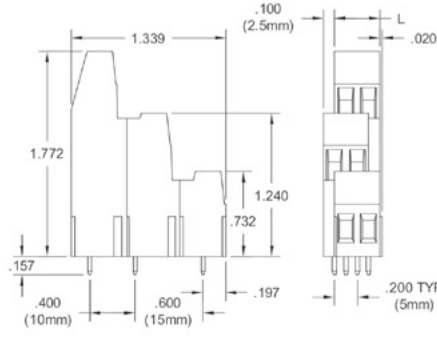
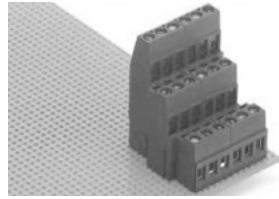
Interlocking Modules

Blocks range to 3 tiers high and are available in five different configurations: full (3 tiers), 2nd/3rd tier, 1st/2nd tier, 2nd-tier-only and 3rd-tier-only. Each configuration consists of 2- and 3-position-wide modules with interlocking dovetails. Modules can be easily assembled to length. Users have the option of purchasing and stocking only the 2- and 3-position modules, and assembling to size in-house, in order to minimize inventory and maintain flexibility; or ordering product already assembled to size.

Modules are also back-to-front stackable for maximum system flexibility with a minimum number of different modules. A 1st/2nd tier module, for example, can be placed on a board in front of a 3-tier-only module.

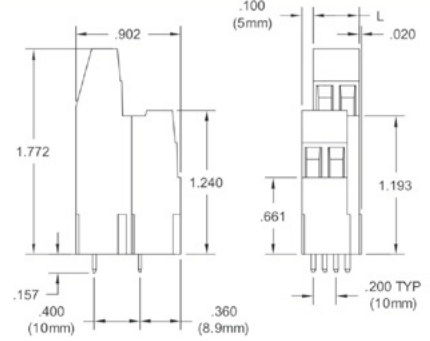
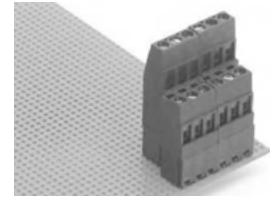
Available in black only.

3-Tier

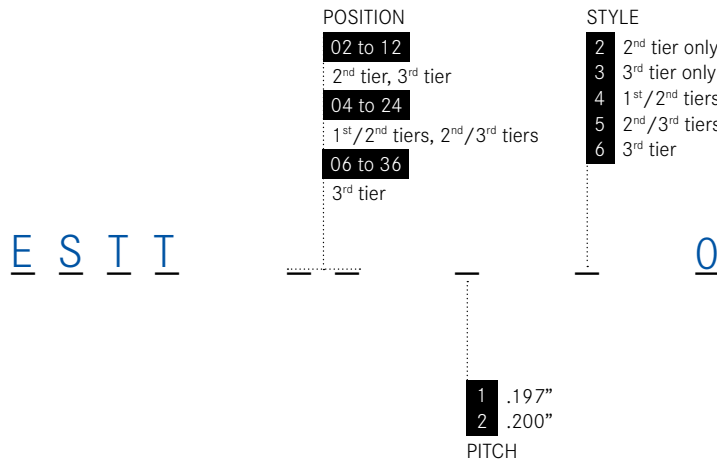


.200" Pitch Modules		
6	ESTT06260	.400"
9	ESTT09260	.600"
.200" Pitch Assemblies		
12	ESTT12260	.800"
36	ESTT36260	2.400"
5mm Pitch Modules		
6	ESTT06160	.402"
9	ESTT09160	.598"
5mm Pitch Assemblies		
12	ESTT12160	.799"
36	ESTT36160	2.402"

2nd/3rd Tiers



.200" Pitch Modules		
4	ESTT04250	.400"
6	ESTT06250	.600"
.200" Pitch Assemblies		
8	ESTT08250	.800"
24	ESTT24250	2.400"
5mm Pitch Modules		
4	ESTT04150	.402"
6	ESTT06150	.598"
5mm Pitch Assemblies		
8	ESTT08150	.799"
24	ESTT24150	2.402"



SPECIFICATIONS

- Current Rating: 24A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Dielectric Withstanding: <15milliohms

MATERIALS

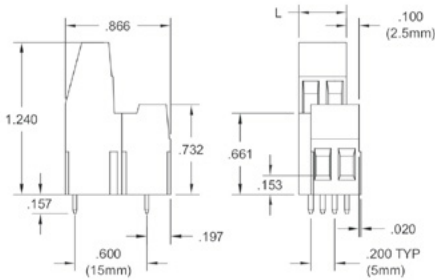
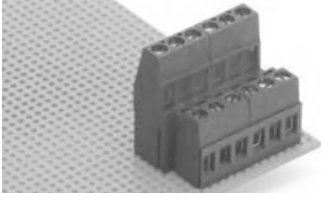
- Housing: Polyamide 6/6, UL 94V-0, black
- Contact: Copper alloy, tin-lead finish
- Clamp screw: Copper alloy, nickel finish
- Wire Clamp: Copper alloy, nickel finish

INSTALLATION

- Wire Range: #12-30 AWG
- Wire Strip Length: .256" to .276"
- Recommended Tightening Torque: 4.4 Ib-in. (0.5N-m)
- Hole Diameter: .043" min.

ESTT MULTI-TIER TERMINAL BLOCKS | TALL-PROFILE MODULAR ASSEMBLY

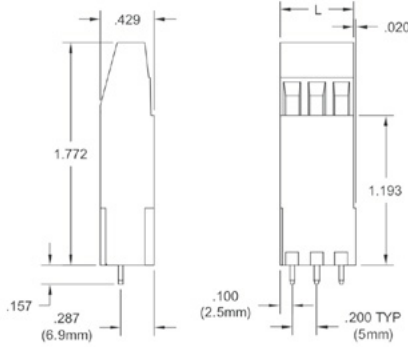
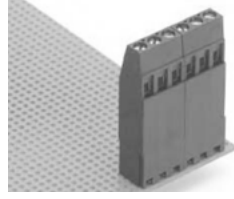
1st/2nd Tiers



.200" Pitch Modules		
4	ESTT04240	.400"
6	ESTT06240	.600"
.200" Pitch Assemblies		
8	ESTT08240	.800"
24	ESTT24240	2.400"

5mm Pitch Modules		
4	ESTT04140	.402"
6	ESTT06140	.598"
5mm Pitch Assemblies		
8	ESTT08140	.799"
24	ESTT24140	2.402"

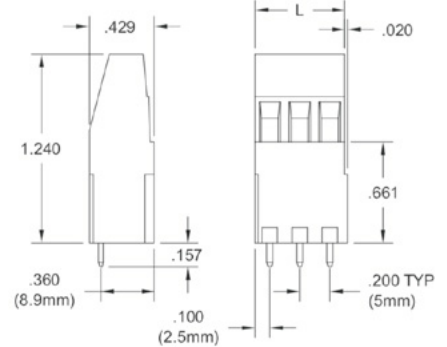
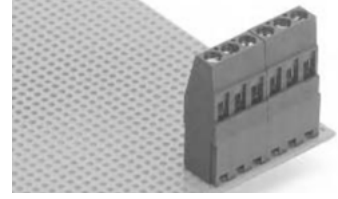
3rd Tier Only



.200" Pitch Modules		
2	ESTT02230	.400"
3	ESTT03230	.600"
.200" Pitch Assemblies		
4	ESTT04230	.800"
12	ESTT12230	2.400"

5mm Pitch Modules		
2	ESTT02130	.402"
3	ESTT03130	.598"
5mm Pitch Assemblies		
4	ESTT04130	.799"
12	ESTT12130	2.402"

2nd Tier Only



.200" Pitch Modules		
2	ESTT02220	.400"
3	ESTT03220	.600"
.200" Pitch Assemblies		
4	ESTT04220	.800"
12	ESTT12220	2.400"

5mm Pitch Modules		
2	ESTT02120	.402"
3	ESTT03120	.598"
5mm Pitch Assemblies		
4	ESTT04120	.799"
12	ESTT12120	2.402"

SPECIFICATIONS

Current Rating: 24A
 Operating Voltage: 300V
 Insulation Resistance: >10³ Megohms
 Dielectric Withstanding: <15milliohms

MATERIALS

Housing: Polyamide 6/6, UL 94V-0, black
 Contact: Copper alloy, tin-lead finish
 Clamp screw: Copper alloy, nickel finish
 Wire Clamp: Copper alloy, nickel finish

INSTALLATION

Wire Range: #12-30 AWG
 Wire Strip Length: .256" to .276"
 Recommended Tightening Torque: 4.4
 Ib-in. (0.5N-m)
 Hole Diameter: .043" min.

ESPM TERMINAL BLOCK | HIGH CURRENT

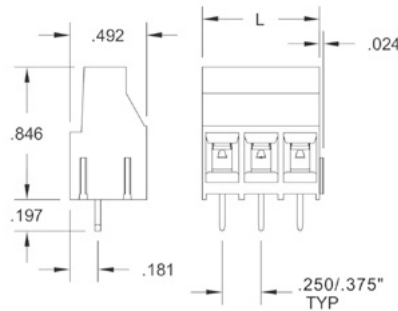
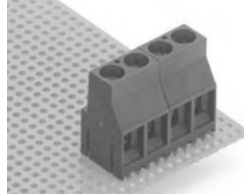
Terminal block series on popular .250"/.375" spacing. Accepts 10 AWG, rated at 30A/300V.

Horizontal and angled configurations are available. Moving cage clamp wire termination.

Supplied as 2- and 3-position modules with interlocking dovetails, or assembled to size.

Available in black only.

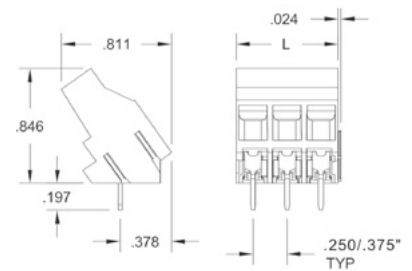
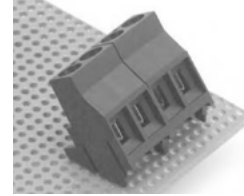
.250"/.375" ESPM - Horizontal



.250" Pitch Modules		
2	ESPM02100	.500"
3	ESPM03100	.750"
.250" Pitch Assemblies		
4	ESPM04100	1.000"
24	ESPM24100	6.000"

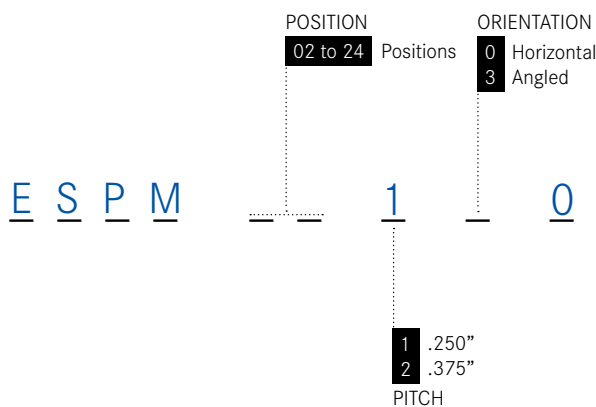
.375" Pitch Modules		
2	ESPM02200	0.750"
3	ESPM03200	1.125"
.375" Pitch Assemblies		
4	ESPM04200	1.500"
24	ESPM24200	4.500"

.250"/.375" ESPM - Angled



.250" Pitch Modules		
2	ESPM02130	.500"
3	ESPM03130	.750"
.250" Pitch Assemblies		
4	ESPM04130	1.000"
24	ESPM24130	6.000"

.375" Pitch Modules		
2	ESPM02230	0.750"
3	ESPM03230	1.125"
.250" Pitch Assemblies		
4	ESPM04230	1.500"
24	ESPM24230	4.500"



SPECIFICATIONS

- Current Rating: 30A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Contact Resistance: <15 milliohms

MATERIALS

- Housing: Polyamide 6/6, UL 94V-0, black
- Contact: Copper alloy, tin finish
- Clamp screw: Copper alloy, nickel finish
- Wire Clamp: Copper alloy, nickel finish

INSTALLATION

- Wire Range: #10-24 AWG
- Wire Strip Length: .280" to .310"
- Recommended Tightening Torque: 7.1 Ib-in. (0.8N-m)
- Hole Diameter: .051" min.

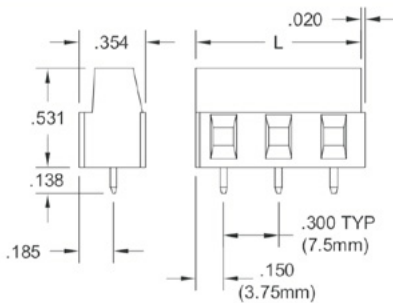
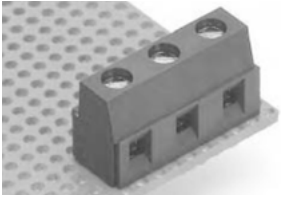
ESGM/ESMM/ESTM TERMINAL BLOCKS | MID, ANGLED AND TALL PROFILE

Power I/O

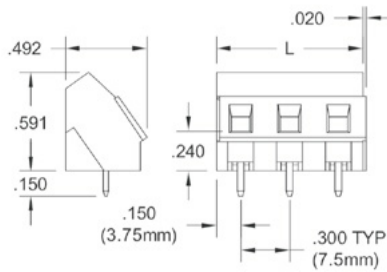
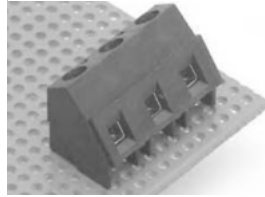
Terminal block series on .300"/7.5mm spacing offers current ratings up to 24A and is well suited for power I/O applications. A variety of configurations are available. Moving cage clamp wire termination.

- Supplied as 2- and 3-position modules with interlocking dovetails, or assembled to size.
- Low profile ESGM is rated at 17.5A, provides horizontal wire entry.
- ESMM, also rated at 17.5A, offers the flexibility of angled termination.
- High profile ESTM is rated at 24A. Horizontal entry.
- Available in black only.

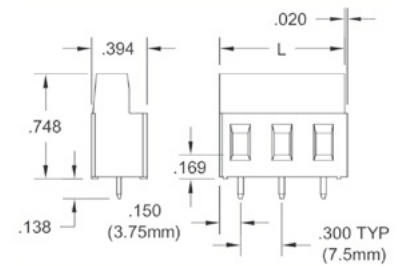
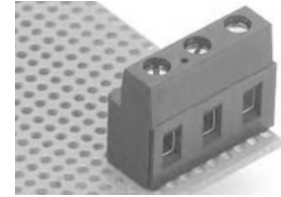
ESGM Mid-Profile



ESMM 35° Angled Profile



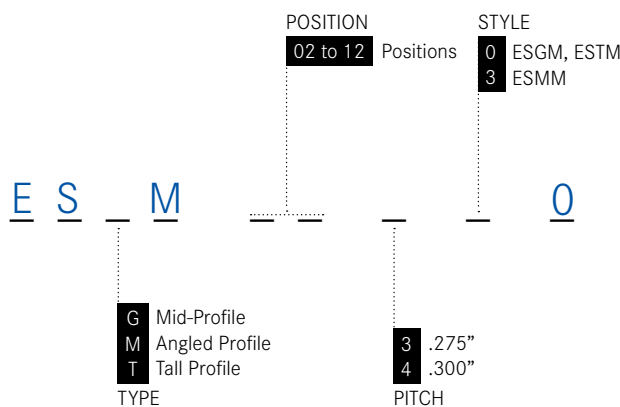
ESTM Tall Profile



Pos	#Catalog	L(In.)
2	ESGM02300	.590"
12	ESGM12300	3.543"
Pos	#Catalog	L(In.)
2	ESGM02400	.600"
12	ESGM12400	3.600"

Pos	#Catalog	L(In.)
2	ESMM02330	.590"
12	ESMM12330	3.543"
Pos	#Catalog	L(In.)
2	ESMM02430	.600"
12	ESMM12430	3.600"

Pos	#Catalog	L(In.)
2	ESTM02300	.590"
12	ESTM12300	3.543"
Pos	#Catalog	L(In.)
2	ESTM02400	.600"
12	ESTM12400	3.600"



SPECIFICATIONS

Current Rating: 17.5A (24A, ESTM only)
Operating Voltage: 300V
Contact Resistance: <15 milliohms
Insulation Resistance: >10³ Megohms

MATERIALS

Housing: Polyamide 6/6, UL 94V-0, black
Contact: Copper alloy, tin finish
Clamp screw: Copper alloy, nickel finish
Wire Clamp: Copper alloy, nickel finish

INSTALLATION

Wire Range: #14-30 AWG (ESGM), #12-30 AWG (ESMM, ESTM)
Wire Strip Length: .260" to .280"
Recommended Tightening Torque: 4.4 Ib-in. (0.5N-m)
Hole Diameter: .055" min.

FXTH FlexiPlug® HYBRID PLUGGABLE BLOCK SCREW/PCB SOLDERING COMBO

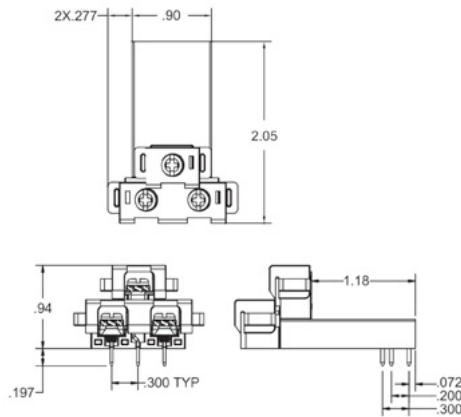
FXTH is the combo design of Amphenol PCD Shenzhen FXPT and ELTH.

The wire installation is the same as FXPT, and soldering is the same as ELTH.

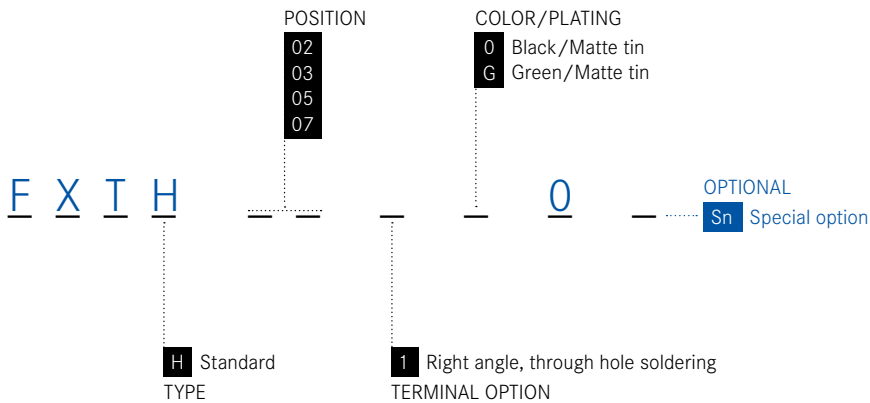
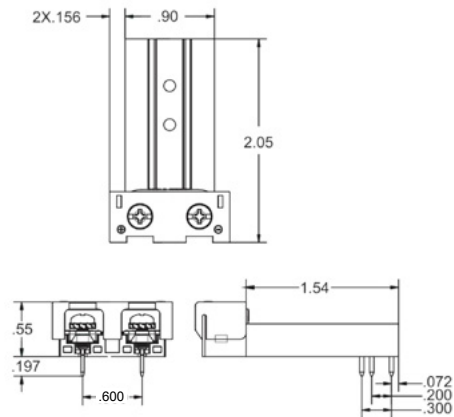
One part replace plug and header for cost effective with equal function. Safe cover optional offered for high security applications.

Black and green color are available.

FXTH-DUAL TIER PLUGS



FXTH-SINGLE TIER PLUGS



Other options available upon request

MATERIALS

Housing: PBT, UL 94V-0, black or green
 Contact: Phosphor bronze, optional finish
 Cover: PC, transparent
 Screw and nut: Silicon bronze trivalent chromium plated

INSTALLATION

Wire Range: #8-16 AWG
 Recommended Tightening Torque: 5 lb-in. (0.57N-m)
 Screwdriver: #2 Philips, 1/4" blade

SPECIFICATIONS

Current Rating: 41A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V
 Wire Pullout Force:
 Per UL 486E, Section 14

ELM FIXED TERMINAL BLOCKS | MODULAR, ASSEMBLED-TO-SIZE

Interlocking Modules

The ELM family consists of precision molded 2- and 3-position screw termination modules with interlocking dovetails. Modules allow for loss of pin spacing, giving users the option of purchasing and stocking only the 2- and 3- position modules - and assembling to size in-house - in order to minimize inventory and maintain flexibility; or ordering product already assembled to size.

Options and Variations

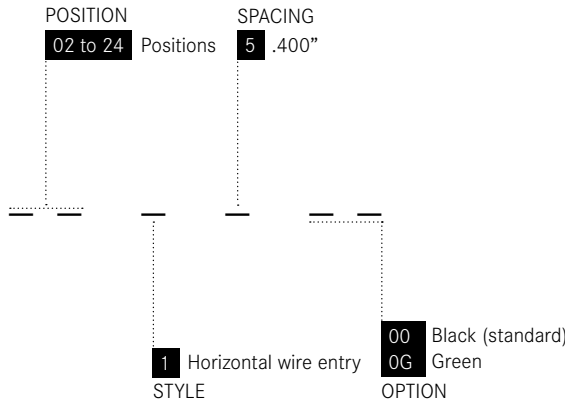
ELM terminations are available in black and green.

Contact Amphenol PCD Shenzhen for information on marking, hold-down mounting ears and other application-specific variations.

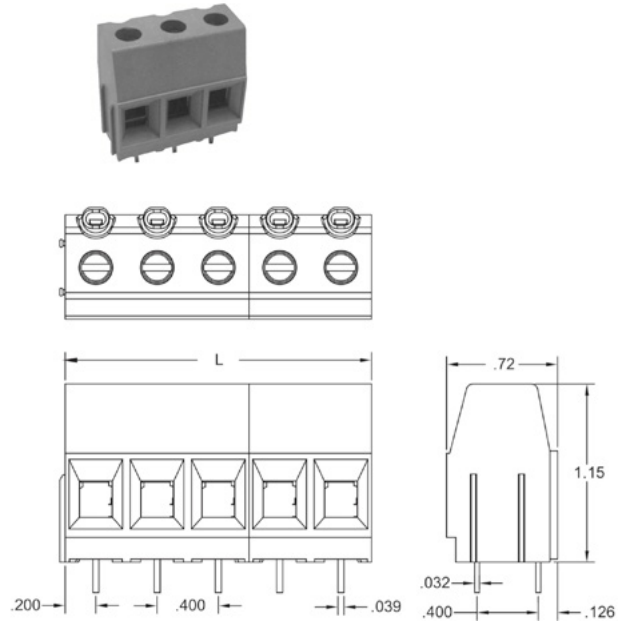
55A rated power terminal block series on .400" centers, accepts wire range 20-6 AWG. Moving cage clamp wire termination.

E L M

Other options available upon request



ELM021500



.400" Pitch Modules				.400" Pitch Assemblies			
Pos	#Black	#Green	L(In.)	Pos	#Black	#Green	L(In.)
2	ELM021500	ELM02150G	.800"	4	ELM041500	ELM04150G	1.600"
3	ELM031500	ELM03150G	1.200"	24	ELM241500	ELM24150G	9.600"

SPECIFICATIONS

Current Rating: 55A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Dielectric Withstanding: <3000V
 Wire Pullout Force: Per UL 486E, Section 14

MATERIALS

Housing: PA46, UL 94V-0, black or green
 Contact: Copper, tin-lead finish
 Clamp screw: Copper alloy, nickel finish
 Wire Clamp: Copper alloy, nickel finish

INSTALLATION

Wire Range: #6-20 AWG
 Wire Strip Length: .400"
 Recommended Tightening Torque: 13 Ib-in. (14.7N-m)
 Hole Diameter: .062" min.

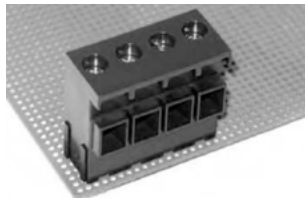
ELMP HIGH CURRENT 60A BLOCK 4-POSITION MODULES

60A rated power terminal block series on .400" centers, accepts wire range 18-8 AWG. Moving cage clamp wire termination.

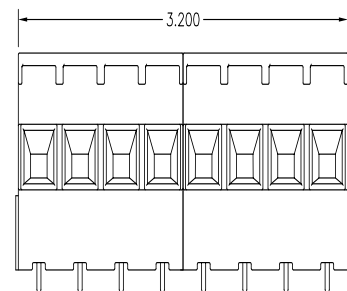
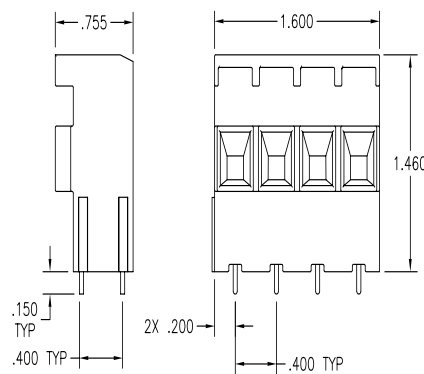
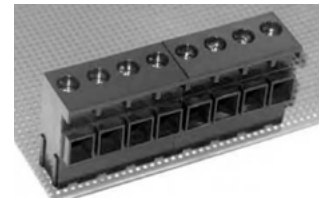
Supplied in 4-position modules with interlocking dovetails, or assembled to size.

Available in black only.

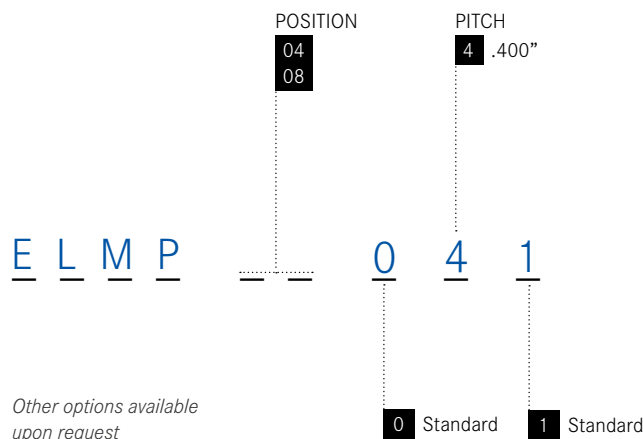
ELMP04041



ELMP08041



Pos	#Black	L(In.)
4	ELMP04041	1.600
8	ELMP08041	3.200



SPECIFICATIONS

- Current Rating: 60A
- Operating Voltage: 300V
- Insulation Resistance: >10³ Megohms
- Contact Resistance: <15 milliohms

MATERIALS

- Housing: Polyamide 6/6, UL 94V-0, black
- Contact: Copper alloy, tin finish
- Clamp screw: Steel, zinc plated
- Wire Clamp: Steel, zinc plated

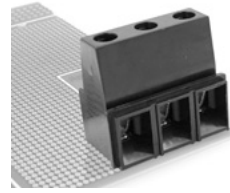
INSTALLATION

- Wire Range: #8-18 AWG
- Wire Strip Length: .430" (16.0mm)
- Recommended Tightening Torque: 12 Ib-in.
- Hole Diameter: .063" min.

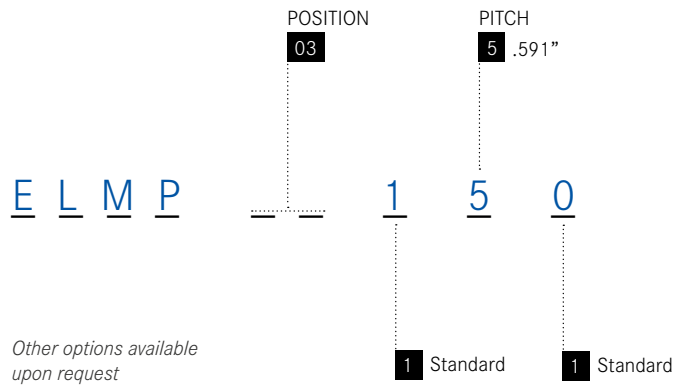
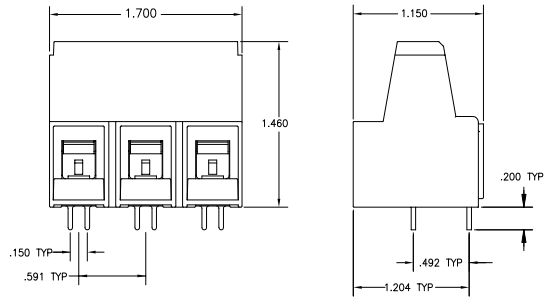
ELMP HIGH CURRENT 75A BLOCK | 3-POSITION MODULES

High Power three-position terminal block on 15.0mm, wire range is 4-16AWG, rated at 75A.

ELMP03150



Pos	#Black	L(In.)
3	ELMP03150	1.7



SPECIFICATIONS

Current Rating: 75A
 Operating Voltage: 600V
 Insulation Resistance: >10³ Megohms
 Contact Resistance: <15 milliohms

MATERIALS

Housing: Polyamide 6/6, UL 94V-0, black
 Contact: Copper alloy, tin finish
 Clamp screw: Steel, Zinc finish
 Wire Clamp: Steel, Zinc finish

INSTALLATION

Power Wire Range: AWG 4-16
 Wire Strip Length: .630"
 Recommended Tightening Torque: 20 Ib-in.
 Hole Diameter: .063" min.



The EPBS Series Terminal Block provides studs to terminate compression lugs or bus bars to splice or distribute power.

Application: Power distribution

SPECIFICATIONS

Current Rating:	80A (both studs in parallel)
Voltage Rating:	300V AC/DC
Wire Range:	AWG6 to AWG8
Tightening Torque:	35 lb-in
Use Group:	UL1059 Class B and D ^A
Max Operating Temperature:	125°C
Field Wiring	
Accommodate 2-Hole Compression Lug On .625" Centers	
Lug Can Be Purchased With Assembly	
Packing:	Carton

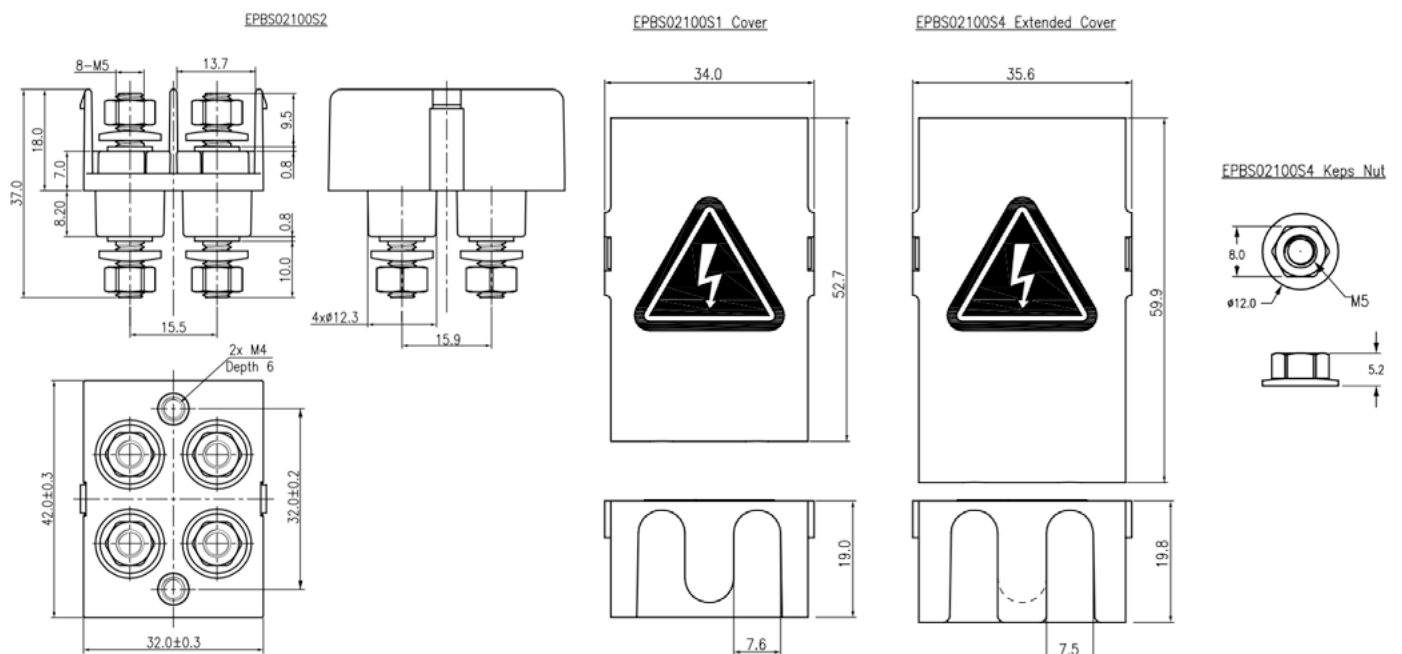
MATERIALS

Base:	Polycarbonate, glass fibre enhanced, UL94 V-0
Stud:	Brass, nickel plated
Nut and Washer:	Stainless steel
Protecting Cover:	Polycarbonate, transparent, UL94 V-2

Agency Approvals

UL Certification file no. E83421
RoHS compliant

PRODUCT DRAWING



PRODUCT NUMBERING SCHEME

EPBS	<u>02</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>Sn</u>
	Position Number	Style 1	Style 2	Color Code	Special Options
	02	1: Standard	0: Standard	0: Black	S1: Hex Nut and Belleville Washer, With Cover S2: Hex Nut and Belleville Washer, Without Cover S4: Keps Nut, With Extended Cover



The EPBS Series Terminal Block provides studs to terminate compression lugs or bus bars to splice or distribute power.

Application: Power distribution

SPECIFICATIONS

Current Rating:	85A (both studs in parallel)
Voltage Rating:	300V AC/DC
Wire Range:	AWG4 to AWG14
Tightening Torque:	35 lb-in
Use Group:	UL1059 Class B and D ^A
Max Operating Temperature:	105°C
Field Wiring	
Accommodate 2-Hole Compression Lug On .625" Centers	
Lug Can Be Purchased With Assembly	
Packing:	Carton

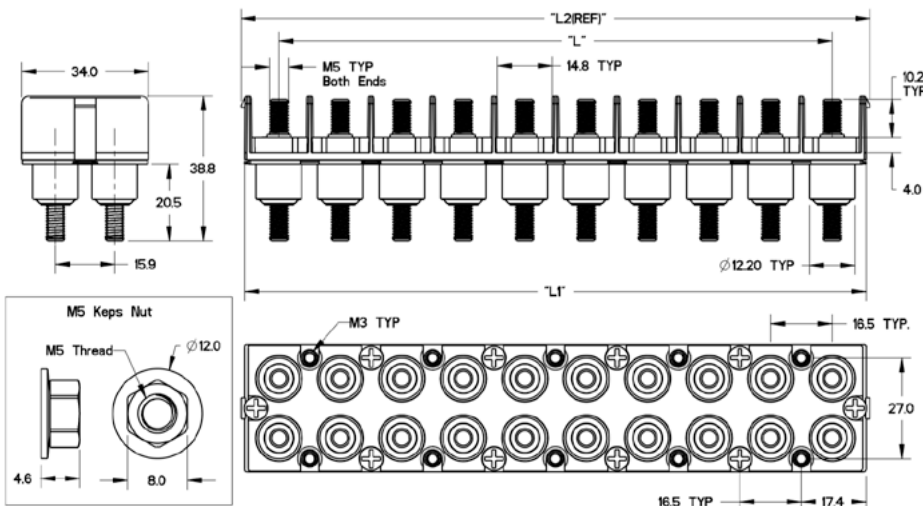
MATERIALS

Base:	Polycarbonate, glass fibre enhanced, UL94 V-0
Stud:	Brass, nickel plated
Nut:	Stainless steel
Shell:	Brass, tin plated
Screw:	Steel, nickel plated

Agency Approvals

UL Certification file no. E83421
RoHS compliant

PRODUCT DRAWING



Pos. Number	Dim. L1 (mm)
02	34.8
03	51.3
04	67.8
05	84.3
06	100.8
07	117.3
08	133.8
09	150.3
10	166.8
11	183.3
12	199.8

PRODUCT NUMBERING SCHEME

EPBS	<u>02</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>S4</u>	<u>Kn</u>
	Position Number	Pitch	Style 1	Color Code	Special Option	Hardware(Nut) Options
	02,03,04...12	1: 16.5mm	0: Standard	0: Black	S4: Filtered	K1: No Nut K2: Assembled on Barrier Side K3: Assembled on Bottom Side K4: All Packed in Bulk



The EPBS Series Terminal Block provides studs to terminate compression lugs or bus bars to splice or distribute power.

Application: Power distribution

SPECIFICATIONS

Current Rating:	175A (both studs in parallel)
Voltage Rating:	300V AC/DC
Wire Range:	AWG2/0 to AWG8
Tightening Torque:	50 lb-in
Use Group:	UL1059 Class B and D ^A
Max Operating Temperature:	125°C
Field Wiring	
Mounting Screw Equipped	
Accommodate 2-Hole Compression Lug On .625" Centers	
Lug Can Be Purchased With Assembly	
Packing:	Carton

MATERIALS

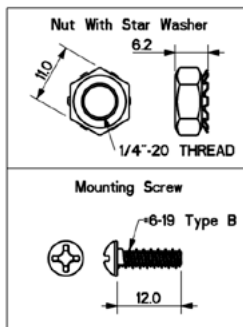
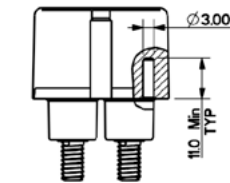
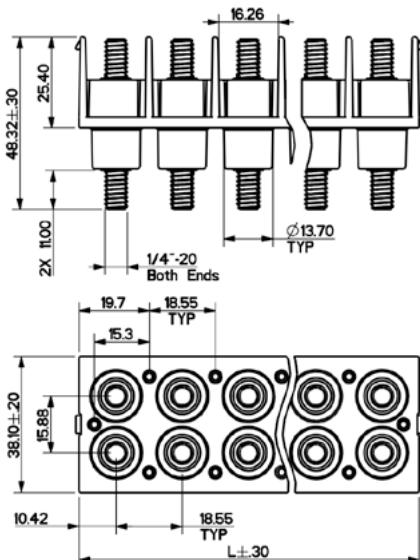
Base:	Polycarbonate, glass fibre enhanced, UL94 V-0
Stud:	Brass, nickel plated
Nut and Washer:	Stainless steel
Mounting Screw:	Steel, nickel plated, packed in bulk

Agency Approvals

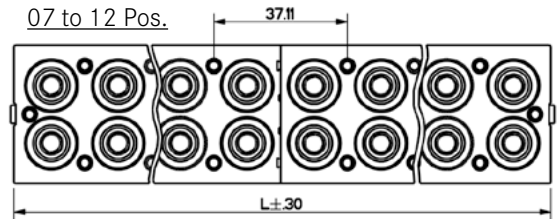
UL Certification file no. E83421
RoHS compliant

PRODUCT DRAWING

02 to 06 Pos.



07 to 12 Pos.



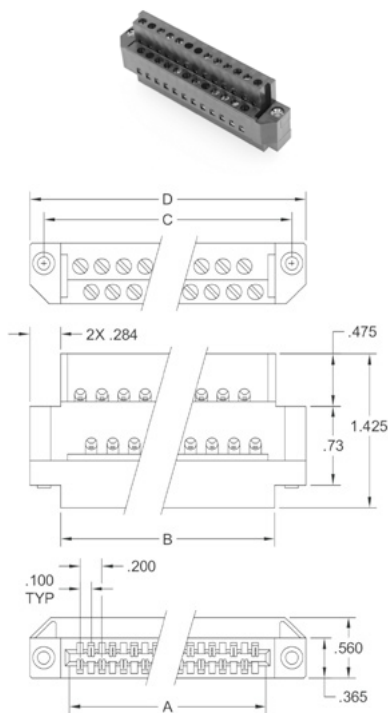
Pos. Number	Dim. L (mm)
02	39.35
03	57.90
04	76.45
05	95.00
06	113.55
07	132.10
08	150.65
09	169.20
10	187.75
11	206.30
12	224.85

PRODUCT NUMBERING SCHEME

EPBS	<u>02</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>Kn</u>
	Position Number	Pitch	Style 1	Color Code	Hardware (Nut) Options
	02,03,04...12	1: 18.55mm	0: Standard	0: Black	K1: No Nut K2: Assembled on Barrier Side, Other Packed in Bulk K3: Assembled on Bottom Side, Other Packed in Bulk K4: All Packed in Bulk

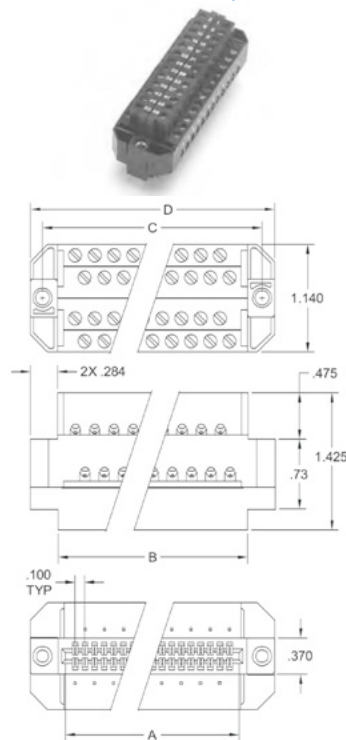
ELH SCREW TERMINAL / EDGE CARD CONNECTOR

ELH Single-density



Pos	#Black	A(In.)	B(In.)	C(In.)	D(In.)
10	ELH101100	1.10	1.26	1.58	1.84
15	ELH151100	1.40	1.56	1.88	2.14
18	ELH181100	1.90	2.06	2.38	2.64
20	ELH201100	2.10	2.26	2.58	2.84
22	ELH221100	2.30	2.46	2.78	3.04
25	ELH251100	2.60	2.76	3.08	3.34
30	ELH301100	3.10	3.26	3.58	3.84
36	ELH361100	3.70	3.86	4.18	4.44
40	ELH401100	4.10	4.26	4.58	4.84

ELH Double-density



Pos	#Black	A(In.)	B(In.)	C(In.)	D(In.)
20	ELH102100	1.10	1.26	1.58	1.84
36	ELH182100	1.90	2.06	2.375	2.64
40	ELH202100	2.10	2.26	2.58	2.84
44	ELH221100	2.30	2.46	2.78	3.04
50	ELH252100	2.60	2.76	3.08	3.34
60	ELH302100	3.10	3.26	3.58	3.84
72	ELH362100	3.70	3.86	4.18	4.44
80	ELH402100	4.10	4.26	4.58	4.84

MATERIALS

Housing: Glass-filled polyester, UL 94-V0, black

Contact: Phosphor bronze, selective gold finish

Wire clamp: Brass, nickel finish

Terminal screw: Steel, nickel finish

SPECIFICATIONS

Current Rating: 5A

Insulation Resistance: >10⁵ Megohms

Durability: 500 cycles per MIL-C-21097

Wire Range: #14-26 AWG

Operating Voltage: 600V

Dielectric Withstanding: <3000V

Wire Pullout Force: 35 lbs minimum

Board Thickness Range: .054" to .070"

Highest Contact Density

The ELH .100 inch spacing, high-density screw-terminal/edgecard connector features the highest contact density of any screw termination connector system available. Connectors are available in single- and double-density versions and range in size from 10-40 and 20-80 contacts, respectively.

The ELH is designed for use with double-sided boards. Single-density connectors provide opposing board contacts on staggered .200 inch centers. The double-density design features opposing board contacts on .100 inch centers. (See drawings.)

Bifurcated, selectively-plated contacts are pre-loaded to guarantee high normal force and good electrical and mechanical contact with a minimum of contact deflection. This assures reliable performance under extreme conditions of board warping, thickness and movement.

Connectors are designed for side wire entry. Screw terminations are actuated from the rear of the connector. Single-density wire bundles train to one side (left or right) of the connector. Double-density bundles train to both sides.

Sizes and Special Configurations

Connector sizes listed are standard configurations. Contact Amphenol PCD Shenzhen for minimum order quantity requirements for special sizes and configurations.

APPROVALS:   

ELC SCREW-TERMINAL/ EDGE CARD CONNECTOR

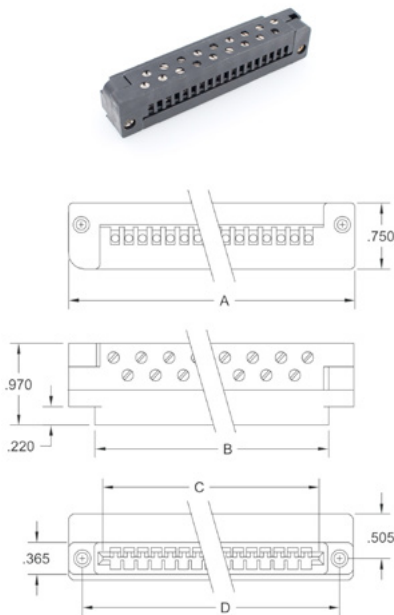
The compact .156 inch ELC wire-to-board edgecard terminal block is designed for panel-mounting with bottom wire entry. Connectors are available in single and double-sided configurations to meet specific application needs.

Superior Contact Design

The ELC features a bifurcated cantilever beam contact that eliminates the board damage possible with the stamped tuning fork board contacts commonly used in similar connectors. The cantilever beam also assures improved performance under board warping and bending conditions over the full .054 inch to .070 inch board thickness range.

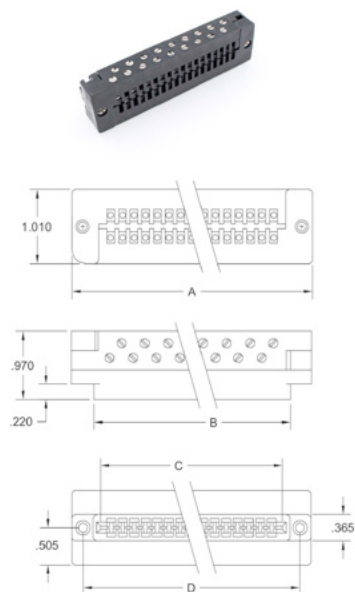
Connectors are available with special marking and configuration adaptations, and in sizes not indicated in the table. Please contact Amphenol PCD Shenzhen for details.

ELC Single-sided



Pos	#Black	A(In.)	B(In.)	C(In.)	D(In.)
6	ELC062100	1.100	1.543	1.252	1.844
10	ELC102100	1.724	1.876	2.158	2.468
12	ELC122100	2.036	2.188	2.470	2.780
15	ELC152100	2.504	2.656	2.938	3.248
18	ELC182100	2.972	3.124	3.406	3.716
22	ELC222100	3.596	3.748	4.030	4.340

ELC Double-sided



Pos	#Black	A(In.)	B(In.)	C(In.)	D(In.)
12	ELC101100	1.100	1.252	1.534	1.844
20	ELC181100	1.724	1.876	2.158	2.468
24	ELC201100	2.036	2.188	2.470	2.780
30	ELC221100	2.504	2.656	2.938	3.248
36	ELC251100	2.972	3.124	3.406	3.716
44	ELC301100	3.596	3.748	4.030	4.340

SPECIFICATIONS

- Current Rating: 5A
- Operating Voltage: 250V
- Insulation Resistance: >5³ Megohms
- Contact Resistance: <30mV @ rated current
- Durability: 500 cycles per MIL-C-21097
- Board Thickness Range: .054" to .070"
- Wire Pullout Force: 35 Ibs minimum
- Wire Range: #14-26 AWG

MATERIALS

- Housing: Glass-filled polyester, UL 94V-0, black
- Contact: Phosphor bronze, selective gold finish
- Terminal screw: Steel, nickel finish
- Wire Clamp: Brass, nickel finish

ELECTRON ELD CAGE-CLAMP / EDGE CARD CONNECTOR

The .200 inch ELD wire-to-board edge-card terminal block features selectively gold-plated cantilever beam board contacts and a moving cage clamp wire termination.

Wires are installed in line with the plane of the board and contact, and can be trained in any direction.

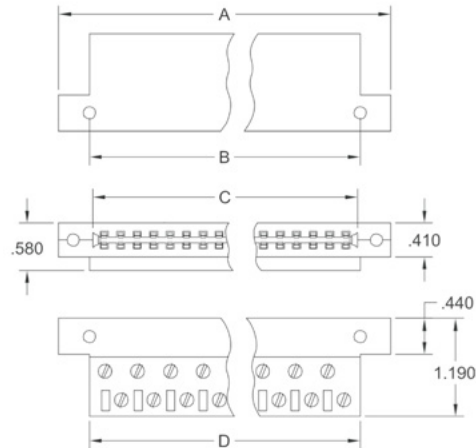
Superior Contact Design

Key to the superior performance of the ELD is a unique cantilever beam contact that eliminates the board damage possible with the stamped tuning fork board contacts commonly used in similar connectors. The dual cantilever beam also assures improved performance under board warping and bending conditions over the full .054 inch to .070 inch board thickness range.

Moving cage clamp contacts provide direct, high pressure wire termination without strand damage.

Connectors are available with special marking and configuration adaptations, and in sizes not indicated in the table. Please contact Amphenol PCD Shenzhen for details.

ELD



Pos	#Black	A(In.)	B(In.)	C(In.)	D(In.)
6	ELD061100	2.15	1.80	1.12	1.40
8	ELD081100	2.55	2.20	1.52	1.80
10	ELD101100	2.95	2.60	1.92	2.20
12	ELD121100	3.35	3.00	2.32	2.60
15	ELD151100	3.95	3.60	2.92	3.20
16	ELD161100	4.15	3.80	3.12	3.40
18	ELD181100	4.55	4.20	3.52	3.80
20	ELD201100	4.95	4.60	3.92	4.20
24	ELD241100	5.75	5.40	4.72	5.00
30	ELD301100	6.95	6.60	5.92	6.20
32	ELD321100	7.35	7.00	6.32	6.60
34	ELD341100	7.75	7.40	6.72	7.00
36	ELD361100	8.15	7.80	7.12	7.40

SPECIFICATIONS

Current Rating: 10A
 Operating Voltage: 300V
 Insulation Resistance: >10⁵ Megohms
 Board Thickness Range: .054" to .070"
 Wire Range: #14-26 AWG
 Wire Pullout Force: Per UL 486E

MATERIALS

Housing: Glass-filled polyester, UL 94V-0, black
 Contact: Phosphor bronze, selective gold finish
 Terminal screw: Steel, nickel finish
 Wire Clamp: Brass, nickel finish

ELE SCREW-BARRIER / EDGE CARD CONNECTOR

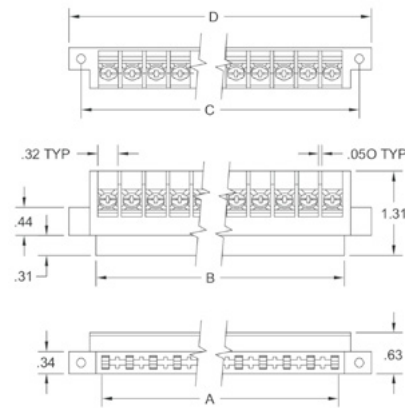
The rugged .375" ELE wire-to-board screw-barrier terminal block offers gang disconnect capability in a popular screw clamp-style terminal block configuration.

Selectively gold-plated, bifurcated cantilever beam contacts eliminate the board damage possible with the stamped tuning fork contacts commonly utilized in this application.

Additionally, the ELE assures a high reliability wire termination through use of a #6-32 SEM nickel-plated steel screw and clamp, retained by a separate steel nut. This design overcomes the thread stripping problems inherent in blocks that thread the thin contact material to retain the clamping screw.

Connectors are available with special marking and configuration adaptations, and in sizes not indicated in the table. Please contact Amphenol PCD Shenzhen for details.

ELE



Pos	#Black	A(In.)	B(In.)	C(In.)	D(In.)
2	ELE022110	.50	.66	1.125	1.50
4	ELE042110	1.25	1.41	1.875	2.25
6	ELE062110	2.00	2.16	2.625	3.00
8	ELE082110	2.75	2.91	3.375	3.75
10	ELE102110	3.50	3.66	4.125	4.50
12	ELE122110	4.25	4.41	4.875	5.25
16	ELE162110	5.75	5.91	6.375	6.75
18	ELE182110	6.50	6.66	7.125	7.50
20	ELE202110	7.25	7.41	7.875	8.25
24	ELE242110	8.75	8.91	9.375	9.75
28	ELE282110	10.25	10.41	10.875	11.25

SPECIFICATIONS

Current Rating: 10A
 Insulation Resistance: >10⁵ Megohms
 Board Thickness Range: .054" to .070"
 Wire Pullout Force: Per UL 486E
 Wire Range: #12-22 AWG

MATERIALS

Housing: Phenylene oxide, UL 94V-0, black
 Contact: Phosphor bronze, selective gold finish
 Terminal screw: Steel, nickel finish

ELI SCREW-BARRIER / EDGE CARD WITH COVER

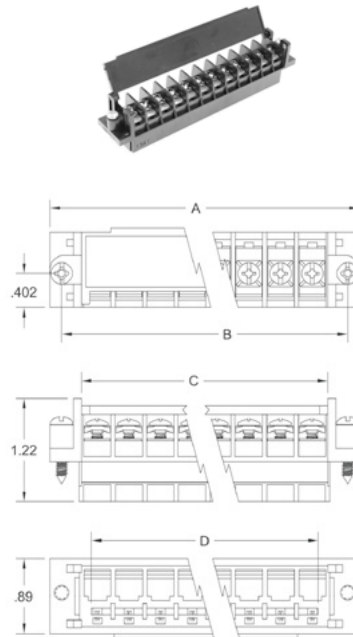
The .375" spacing ELI screw-barrier/edgecard connector features pre-loaded, selectively gold-plated cantilever beam contacts.

The pre-loaded contact will consistently and dependably exert a high normal force and reliable connection over a high range of board thicknesses and warping conditions, while the cantilever beam design eliminates board wear encountered with tuning fork contact designs.

A steel #6-32 screw and separate steel nut provide high reliability wire termination.

The ELI also features integral mounting hardware and a swiveling snap-down, screw-terminal cover that provides insulation, protection and ease of marking.

ELI



Pos	#Black	A(In.)	B(In.)	C(In.)	D(In.)
2	ELI020100	1.50	1.218	.750	.510
3	ELI030100	1.87	1.593	1.125	.885
4	ELI040100	2.25	1.968	1.500	1.260
5	ELI050100	2.62	2.343	1.875	1.635
6	ELI106100	3.00	2.718	2.250	2.010
7	ELI107100	3.37	3.093	2.625	2.385
8	ELI080100	3.75	3.468	3.000	2.760
10	ELI100100	4.50	4.218	3.750	3.510
12	ELI120100	5.25	4.968	4.500	4.260
15	ELI150100	6.37	6.093	5.625	5.385
18	ELI180100	7.50	7.218	6.750	6.510

SPECIFICATIONS

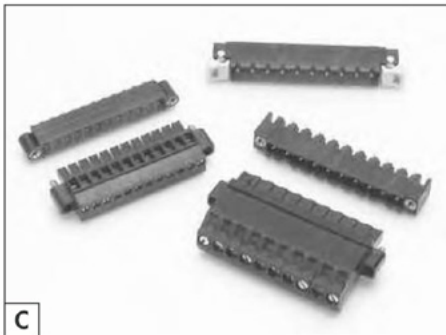
- Current Rating: 10A
- Insulation Resistance: >10⁵ Megohms
- Board Thickness Range: .054" to .070"
- Wire Pullout Force: Per UL 486
- Wire Range: #12-22 AWG

MATERIALS

- Housing: Glass-filled polyester, UL 94V-0, black
- Contact: Phosphor bronze, selective gold finish
- Terminal screw: Steel, nickel finish



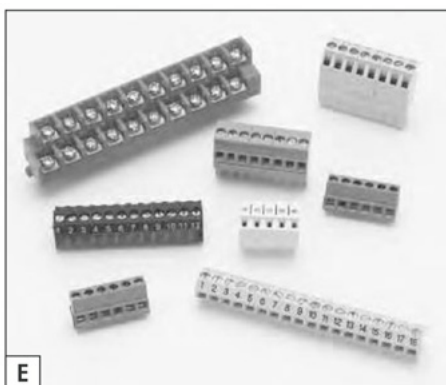
A B



C



D



E

Since industrial terminal blocks are frequently used for control and equipment I/O purposes, it is particularly important to many equipment manufacturers to provide their end users with I/O terminal blocks tailored to their specific application and performance criteria, or with a distinctive appearance.

Amphenol PCD Shenzhen is dedicated to responding to unique customer needs for tailored or custom blocks more rapidly than any other supplier. Additionally, rapid delivery on a broad range of both standard products and standard options provides the capability to customize even smaller projects without delay or expense.

STANDARD OPTIONS

A. Color: Most blocks and connectors are available in green or black.

B. Plating: Matte tin or gold

C. Mounting: Optional plug and header mounting, locking and ejector ears.

D. Marking: Three standard marking options for plugs and headers.

MINOR MODIFICATIONS

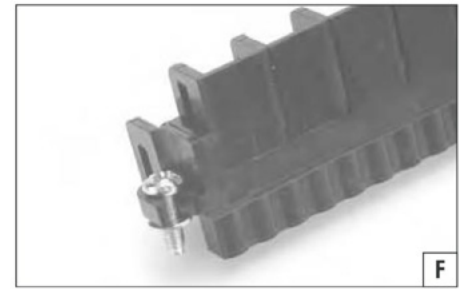
E. Custom colors for error-proof mating.

F. Custom mounting ears for high vibration or cable stress applications

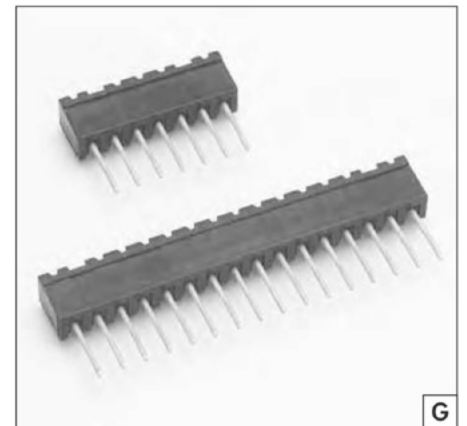
G. Special tails for multi-layer boards.

H. Custom marking for clearer ID.

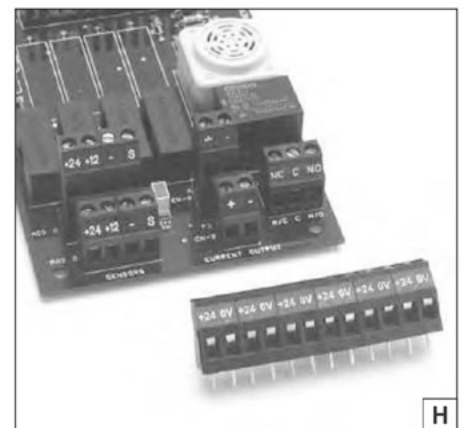
I. Dealer packaging: Terminal block, accessories, information, packaged in customer box for direct resale by customer dealer.



F



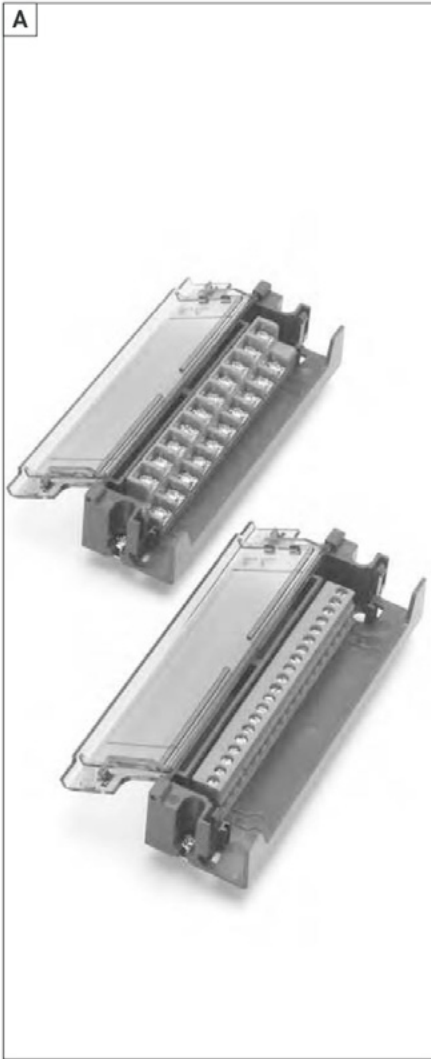
G



H



I



MAJOR MODIFICATIONS

A. Custom I/O mounting enclosure accepts a variety of standard Amphenol PCD Shenzhen terminal blocks and provides wire trough, clear plastic cover, wiring designations and customer corporate identity. Custom connector colors provide distinctive appearance and allow user to offer different termination alternatives in line with customer or local wiring practices and codes.

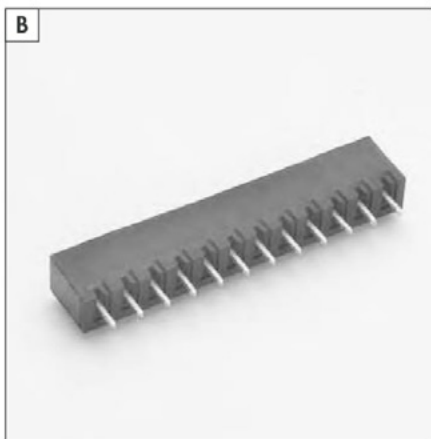
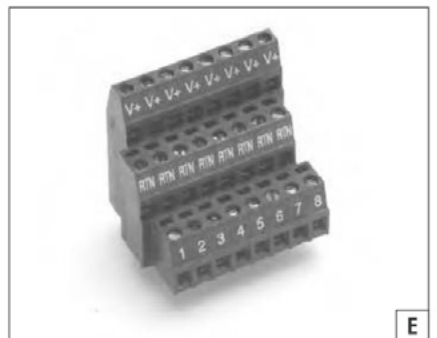
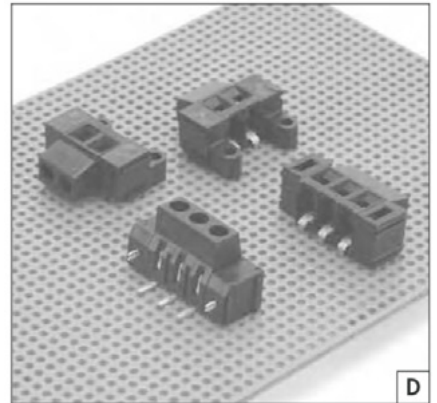
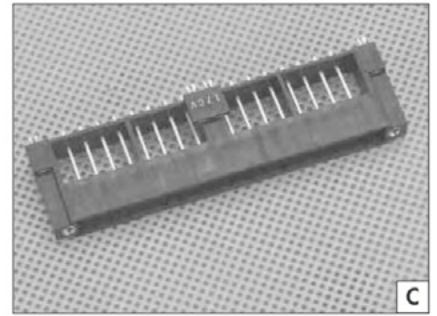
B. Headers incorporate selectively recessed contacts for make first/break last mating.

C. ELFH headers with extra long tails, integrally molded standoffs and board retention clips for stability during the soldering process.

D. Wire-to-board terminal blocks feature custom mounting ears to provide a secure screw-down mechanical connection to the board for severe stress conditions. Special marking.

E. 3-tier .150" spacing wire-to-board block configured as high density I/O interconnect. Custom marking.

F. Finger-guard screw termination covers provide electrical protection.



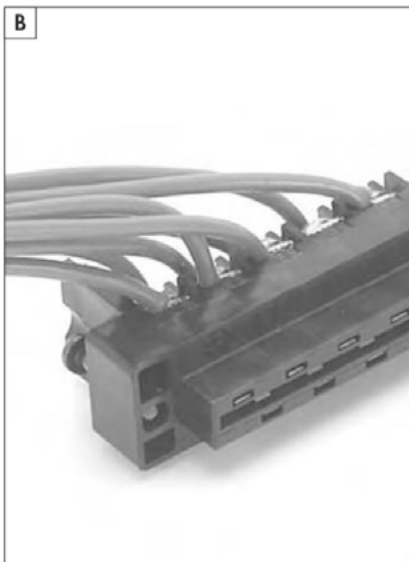
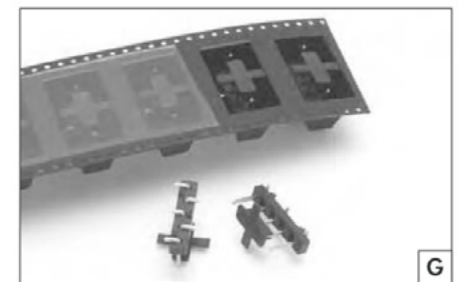
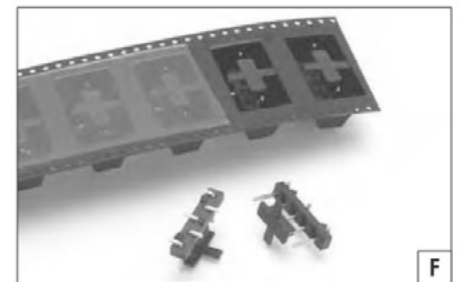
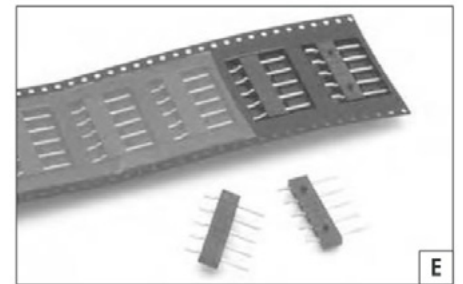
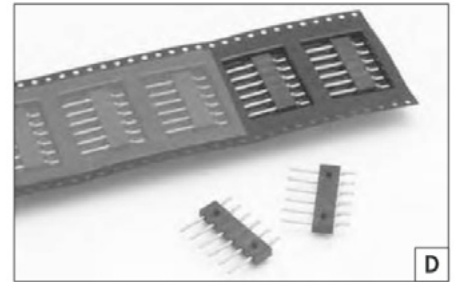
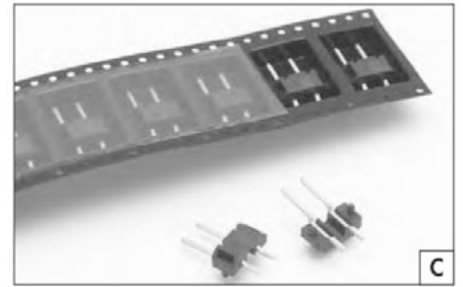


NEW SYSTEMS AND APPLICATION-SPECIFIC CONNECTORS

A. 7- and 40-position edgecard I/O terminal blocks, developed to customer requirements, provide custom package configurations, custom keying, color and hot-swap capability.

C–G. Custom surface mount headers designed for pick-and-place equipment utilize tape-and-reel packaging to facilitate auto-assembly. Headers are provided in a range of sizes and configurations.

B. 30-position edgecard I/O terminal block features internally pre-loaded contact and jack-screw mating





NEW SYSTEMS AND APPLICATION-SPECIFIC CONNECTORS

A. 36 Positions double side plug terminal blocks; 4 versions offered; moving cage clamp and screw wire termination with standard and tall shroud spring clamp; wire installation with standard and tall shroud; moving the slide on the middle for locking and unlocking while mating with header.



B. 20 Positions terminal block, developed to customer requirements, many versions offered per different circuit layout and short pin, provide a flexible applications.



C. Stud power terminal blocks provide high reliable field application, M5, M6 size stud with different positions available optional security choice for safety cover offered (see p.59-61).

D. Superseal connector for automotive applications, different positions available, features designed eliminating mismatching in field application.

E. DIN rail power terminal blocks, 35mm² and 70mm² two sizes available, grounding protect block optional offered, accessories such as mounting rail, shoring links and marking tags also are available.

Cable Assembly Capabilities (RMT)



Cable Assembly Capabilities (xEV)



Our Engineering staff is ready to assist companies with any new design effort from connector selection to full cable assembly design. We also offer quick-turn prototype services and sustaining production programs with short lead times.

Amphenol PCD Shenzhen

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Amphenol PCD Shenzhen reserves the right to clarify this catalog.

Revision date: 2017
