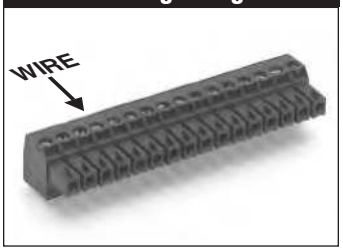
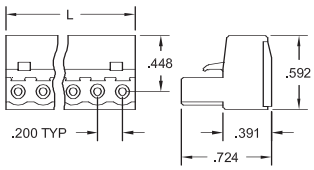
ELVP/ELVT/ELVF MINI-PLUGS
Right Angle/Straight/Front

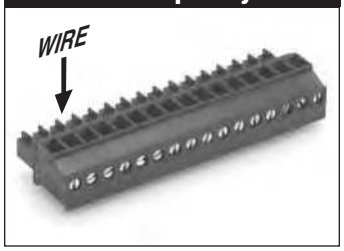
.150" (3.81mm)

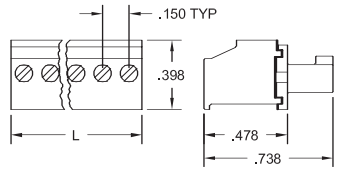
ELVP Right Angle



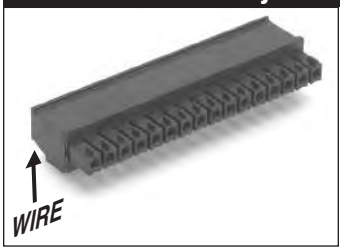


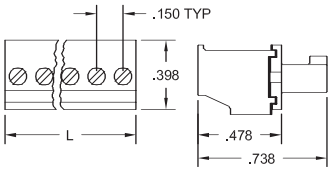
ELVT Top Entry



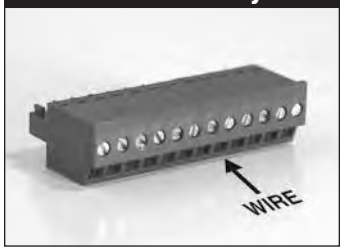


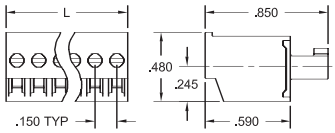
ELVT Bottom Entry





ELVF Front Entry





Pos	Catalog # Black	Catalog # Green	L (In.)
2	ELVP02100	ELVP021G0	.300
3	ELVP03100	ELVP031G0	.450
4	ELVP04100	ELVP041G0	.600
5	ELVP05100	ELVP051G0	.750
6	ELVP06100	ELVP061G0	.900
7	ELVP07100	ELVP071G0	1.050
8	ELVP08100	ELVP081G0	1.200
9	ELVP09100	ELVP091G0	1.350
10	ELVP10100	ELVP101G0	1.500
11	ELVP11100	ELVP111G0	1.650
12	ELVP12100	ELVP121G0	1.800
13	ELVP13100	ELVP131G0	1.950
14	ELVP14100	ELVP141G0	2.100
15	ELVP15100	ELVP151G0	2.250
16	ELVP16100	ELVP161G0	2.400
17	ELVP17100	ELVP171G0	2.550
18	ELVP18100	ELVP181G0	2.700
19	ELVP19100	ELVP191G0	2.850
20	ELVP20100	ELVP201G0	3.000

Pos	Catalog # Black	Catalog # Green	L (In.)
2	ELVT02500	ELVT025G0	.300
3	ELVT03500	ELVT035G0	.450
4	ELVT04500	ELVT045G0	.600
5	ELVT05500	ELVT055G0	.750
6	ELVT06500	ELVT065G0	.900
7	ELVT07500	ELVT075G0	1.050
8	ELVT08500	ELVT085G0	1.200
9	ELVT09500	ELVT095G0	1.350
10	ELVT10500	ELVT105G0	1.500
11	ELVT11500	ELVT115G0	1.650
12	ELVT12500	ELVT125G0	1.800
13	ELVT13500	ELVT135G0	1.950
14	ELVT14500	ELVT145G0	2.100
15	ELVT15500	ELVT155G0	2.250
16	ELVT16500	ELVT165G0	2.400
17	ELVT17500	ELVT175G0	2.550
18	ELVT18500	ELVT185G0	2.700
19	ELVT19500	ELVT195G0	2.850
20	ELVT20500	ELVT205G0	3.000

Pos	Catalog # Black	Catalog # Green	L (In.)
2	ELVT02600	ELVT026G0	.300
3	ELVT03600	ELVT036G0	.450
4	ELVT04600	ELVT046G0	.600
5	ELVT05600	ELVT056G0	.750
6	ELVT06600	ELVT066G0	.900
7	ELVT07600	ELVT076G0	1.050
8	ELVT08600	ELVT086G0	1.200
9	ELVT09600	ELVT096G0	1.350
10	ELVT10600	ELVT106G0	1.500
11	ELVT11600	ELVT116G0	1.650
12	ELVT12600	ELVT126G0	1.800
13	ELVT13600	ELVT136G0	1.950
14	ELVT14600	ELVT146G0	2.100
15	ELVT15600	ELVT156G0	2.250
16	ELVT16600	ELVT166G0	2.400
17	ELVT17600	ELVT176G0	2.550
18	ELVT18600	ELVT186G0	2.700
19	ELVT19600	ELVT196G0	2.850
20	ELVT20600	ELVT206G0	3.000

Pos	Catalog # Black	Catalog # Green	L (In.)
2	ELVF02400	ELVF024G0	.300
3	ELVF03400	ELVF034G0	.450
4	ELVF04400	ELVF044G0	.600
5	ELVF05400	ELVF054G0	.750
6	ELVF06400	ELVF064G0	.900
7	ELVF07400	ELVF074G0	1.050
8	ELVF08400	ELVF084G0	1.200
9	ELVF09400	ELVF094G0	1.350
10	ELVF10400	ELVF104G0	1.500
11	ELVF11400	ELVF114G0	1.650
12	ELVF12400	ELVF124G0	1.800
13	ELVF13400	ELVF134G0	1.950
14	ELVF14400	ELVF144G0	2.100
15	ELVF15400	ELVF154G0	2.250
16	ELVF16400	ELVF164G0	2.400
17	ELVF17400	ELVF174G0	2.550
18	ELVF18400	ELVF184G0	2.700
19	ELVF19400	ELVF194G0	2.850
20	ELVF20400	ELVF204G0	3.000

See page 13 for gold plating and marking options

SPECIFICATIONS:

Current Rating: 12A
Operating Voltage: 300V
Insulation Resistance: $>10^3$ 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

WIRE INSTALLATION:

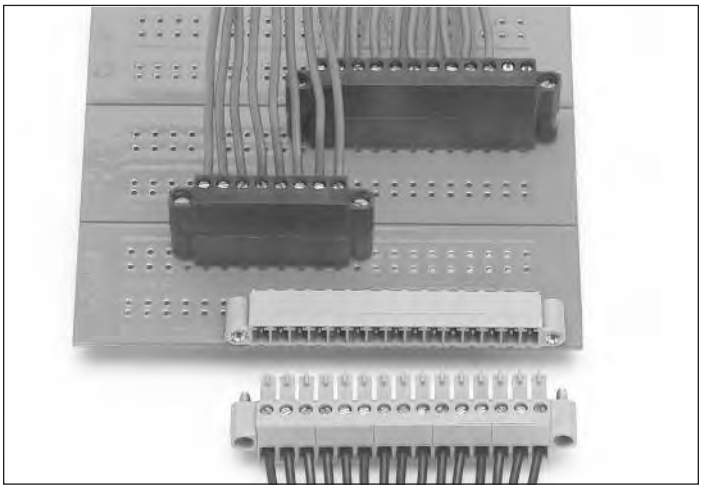
Wire Range: #16-28 AWG
Wire Strip Length: 0.25" (.375" ELVF)
Recommended Tightening Torque:
2.2 lb-in. (0.25N-m)

APPROVALS:

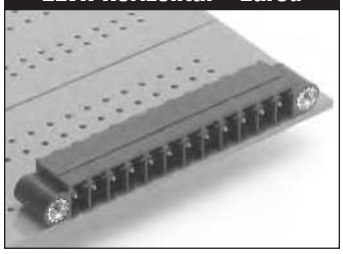
Consult factory for specific product recognitions

Amphenol Pcd

ELVH MINI-HEADERS with LOCKING EARS Vertical and Horizontal



ELVH Horizontal—Eared



ELVH Vertical—Eared

ELV CONNECTORS WITH LOCKING EARS

These two pages present the locking ear versions of the .150" spacing (ELV) plugs and headers depicted on pages 16 and 17.

The integrally molded locking ears are available with ELVP and ELVT plugs, and ELVH 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 plugs and headers indicated on these pages are intermateable and interchangeable with industry standard .150" plugs and headers.

VARIATIONS

See pages 12 and 13 for additional information on plug and header variations and for ordering specifics.

HEADERS

ELVH 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. The headers are available in vertical and horizontal versions. A shrouded design and keying capability prevent mismating.

PLUGS

All ELV pluggable terminal blocks incorporate moving vise clamp wire termination.

ELVP blocks feature wire entry parallel to the contact.

ELVT blocks offer wire entry perpendicular to the contact—top or bottom entry is available.

ACCESSORIES

Polarizing keys and marking labels. See page 13.

Pos	Catalog # Black	Catalog # Green	L (In.)	Pos	Catalog # Black	Catalog # Green	L (In.)
2	ELVH02100E	ELVH021G0E	.710	2	ELVH02500E	ELVH025G0E	.710
3	ELVH03100E	ELVH031G0E	.860	3	ELVH03500E	ELVH035G0E	.860
4	ELVH04100E	ELVH041G0E	1.010	4	ELVH04500E	ELVH045G0E	1.010
5	ELVH05100E	ELVH051G0E	1.160	5	ELVH05500E	ELVH055G0E	1.160
6	ELVH06100E	ELVH061G0E	1.310	6	ELVH06500E	ELVH065G0E	1.310
7	ELVH07100E	ELVH071G0E	1.460	7	ELVH07500E	ELVH075G0E	1.460
8	ELVH08100E	ELVH081G0E	1.610	8	ELVH08500E	ELVH085G0E	1.610
9	ELVH09100E	ELVH091G0E	1.760	9	ELVH09500E	ELVH095G0E	1.760
10	ELVH10100E	ELVH101G0E	1.910	10	ELVH10500E	ELVH105G0E	1.910
11	ELVH11100E	ELVH111G0E	2.060	11	ELVH11500E	ELVH115G0E	2.060
12	ELVH12100E	ELVH121G0E	2.210	12	ELVH12500E	ELVH125G0E	2.210
13	ELVH13100E	ELVH131G0E	2.360	13	ELVH13500E	ELVH135G0E	2.360
14	ELVH14100E	ELVH141G0E	2.510	14	ELVH14500E	ELVH145G0E	2.510
15	ELVH15100E	ELVH151G0E	2.660	15	ELVH15500E	ELVH155G0E	2.660
16	ELVH16100E	ELVH161G0E	2.810	16	ELVH16500E	ELVH165G0E	2.810
17	ELVH17100E	ELVH171G0E	2.960	17	ELVH17500E	ELVH175G0E	2.960
18	ELVH18100E	ELVH181G0E	3.110	18	ELVH18500E	ELVH185G0E	3.110
19	ELVH19100E	ELVH191G0E	3.260	19	ELVH19500E	ELVH195G0E	3.260
20	ELVH20100E	ELVH201G0E	3.410	20	ELVH20500E	ELVH205G0E	3.410

See page 13 for gold plating and marking options

APPROVALS:

Consult factory for specific product recognitions

SPECIFICATIONS:

Current Rating: 12A
Operating Voltage: 300V
Insulation Resistance: >10^3 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

HEADER INSTALLATION:

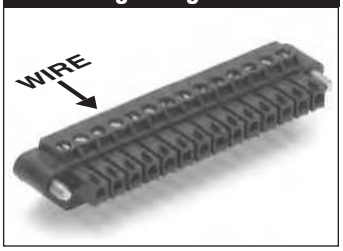
Hole Diameter: .047" min.

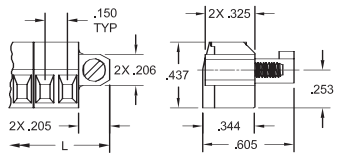
Amphenol Pcd

ELVP/ELVT/ELVF MINI-PLUGS with LOCKING EARS Right Angle/Straight/Front

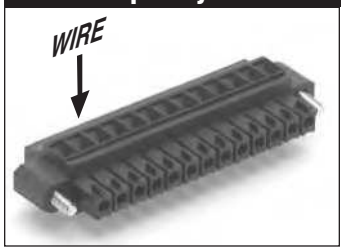
.150" (3.81mm)

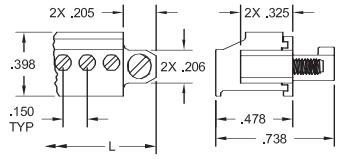
ELVP Right Angle—Eared



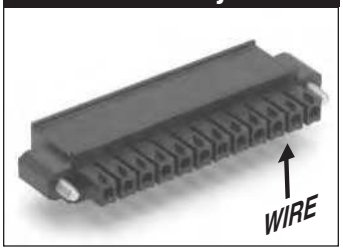


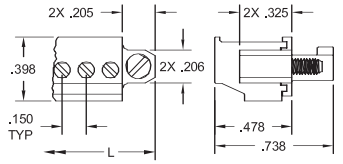
ELVT Top Entry—Eared



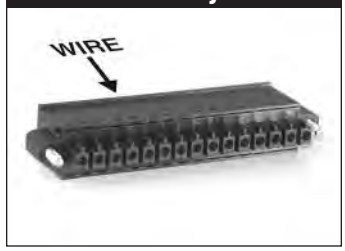


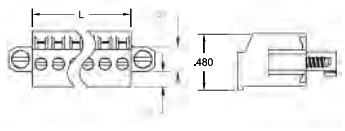
ELVT Bottom Entry—Eared





ELVF Front Entry—Eared





Pos	Catalog # Black	Catalog # Green	L (In.)
2	ELVP02100E	ELVP021G0E	.710
3	ELVP03100E	ELVP031G0E	.860
4	ELVP04100E	ELVP041G0E	1.010
5	ELVP05100E	ELVP051G0E	1.160
6	ELVP06100E	ELVP061G0E	1.310
7	ELVP07100E	ELVP071G0E	1.460
8	ELVP08100E	ELVP081G0E	1.610
9	ELVP09100E	ELVP091G0E	1.760
10	ELVP10100E	ELVP101G0E	1.910
11	ELVP11100E	ELVP111G0E	2.060
12	ELVP12100E	ELVP121G0E	2.210
13	ELVP13100E	ELVP131G0E	2.360
14	ELVP14100E	ELVP141G0E	2.510
15	ELVP15100E	ELVP151G0E	2.660
16	ELVP16100E	ELVP161G0E	2.810
17	ELVP17100E	ELVP171G0E	2.960
18	ELVP18100E	ELVP181G0E	3.110
19	ELVP19100E	ELVP191G0E	3.260
20	ELVP20100E	ELVP201G0E	3.410

Pos	Catalog # Black	Catalog # Green	L (In.)
2	ELVT02500E	ELVT025G0E	.710
3	ELVT03500E	ELVT035G0E	.860
4	ELVT04500E	ELVT045G0E	1.010
5	ELVT05500E	ELVT055G0E	1.160
6	ELVT06500E	ELVT065G0E	1.310
7	ELVT07500E	ELVT075G0E	1.460
8	ELVT08500E	ELVT085G0E	1.610
9	ELVT09500E	ELVT095G0E	1.760
10	ELVT10500E	ELVT105G0E	1.910
11	ELVT11500E	ELVT115G0E	2.060
12	ELVT12500E	ELVT125G0E	2.210
13	ELVT13500E	ELVT135G0E	2.360
14	ELVT14500E	ELVT145G0E	2.510
15	ELVT15500E	ELVT155G0E	2.660
16	ELVT16500E	ELVT165G0E	2.810
17	ELVT17500E	ELVT175G0E	2.960
18	ELVT18500E	ELVT185G0E	3.110
19	ELVT19500E	ELVT195G0E	3.260
20	ELVT20500E	ELVT205G0E	3.410

Pos	Catalog # Black	Catalog # Green	L (In.)
2	ELVT02600E	ELVT026G0E	.710
3	ELVT03600E	ELVT036G0E	.860
4	ELVT04600E	ELVT046G0E	1.010
5	ELVT05600E	ELVT056G0E	1.160
6	ELVT06600E	ELVT066G0E	1.310
7	ELVT07600E	ELVT076G0E	1.460
8	ELVT08600E	ELVT086G0E	1.610
9	ELVT09600E	ELVT096G0E	1.760
10	ELVT10600E	ELVT106G0E	1.910
11	ELVT11600E	ELVT116G0E	2.060
12	ELVT12600E	ELVT126G0E	2.210
13	ELVT13600E	ELVT136G0E	2.360
14	ELVT14600E	ELVT146G0E	2.510
15	ELVT15600E	ELVT156G0E	2.660
16	ELVT16600E	ELVT166G0E	2.810
17	ELVT17600E	ELVT176G0E	2.960
18	ELVT18600E	ELVT186G0E	3.110
19	ELVT19600E	ELVT196G0E	3.260
20	ELVT20600E	ELVT206G0E	3.410

Pos	Catalog # Black	Catalog # Green	L (In.)
2	ELVF02400E	ELVF024G0E	.710
3	ELVF03400E	ELVF034G0E	.860
4	ELVF04400E	ELVF044G0E	1.010
5	ELVF05400E	ELVF054G0E	1.160
6	ELVF06400E	ELVF064G0E	1.310
7	ELVF07400E	ELVF074G0E	1.460
8	ELVF08400E	ELVF084G0E	1.610
9	ELVF09400E	ELVF094G0E	1.760
10	ELVF10400E	ELVF104G0E	1.910
11	ELVF11400E	ELVF114G0E	2.060
12	ELVF12400E	ELVF124G0E	2.210
13	ELVF13400E	ELVF134G0E	2.360
14	ELVF14400E	ELVF144G0E	2.510
15	ELVF15400E	ELVF154G0E	2.660
16	ELVF16400E	ELVF164G0E	2.810
17	ELVF17400E	ELVF174G0E	2.960
18	ELVF18400E	ELVF184G0E	3.110
19	ELVF19400E	ELVF194G0E	3.260
20	ELVF20400E	ELVF204G0E	3.410

See page 13 for gold plating and marking option suffixes

SPECIFICATIONS:

Current Rating: 12A
Operating Voltage: 300V
Insulation Resistance: $>10^3$ 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

WIRE INSTALLATION:

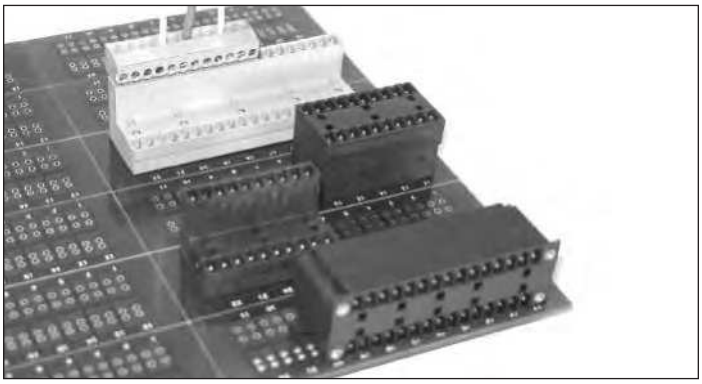
Wire Range: #16-28 AWG
Wire Strip Length: 0.25"
Recommended Tightening Torque:
2.2 lb-in. (0.25N-m)

APPROVALS:

Consult factory for specific product recognitions

Amphenol Pcd

ELVD 2-TIER STEPPED HEADERS
Vertical and Horizontal



2-TIER HEADERS

High-density ELVD and ELVA 2-tier headers accommodate two PCD ELV 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.

SMT Compatibility

The ultra-high-temperature ELVD and ELVA 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.

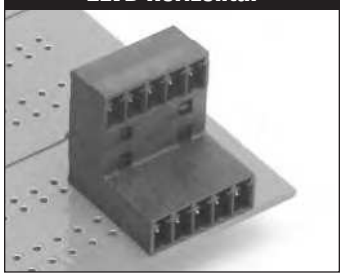
ELVD IN-LINE STEPPED HEADER

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.

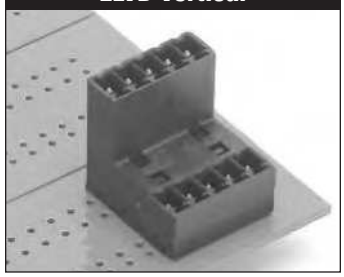
ELVA IN-LINE STACKED HEADER

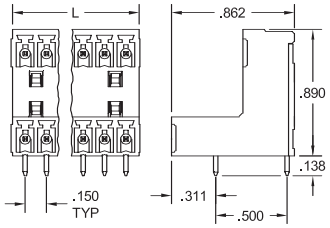
ELVA 2-tier in-line headers will accept two plugs in a vertical or horizontal configuration similar to the ELVD, except that the top and bottom contact rows are stacked directly above each other in the same vertical plane. Combined with in-line row configuration and end walls, this makes the ELVA ideally suited for equipment I/O applications.

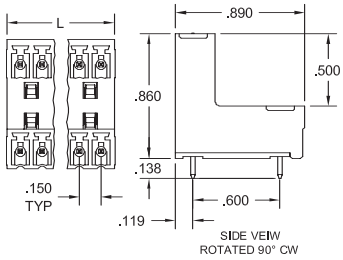
ELVD Horizontal



ELVD Vertical







Pos	Catalog # Black	Catalog # Green	L (In.)	Pos	Catalog # Black	Catalog # Green	L (In.)
4	ELVD04100	ELVD041G0	.332	4	ELVD04500	ELVD045G0	0.332
6	ELVD06100	ELVD061G0	.482	6	ELVD06500	ELVD065G0	0.482
8	ELVD08100	ELVD081G0	.632	8	ELVD08500	ELVD085G0	0.632
10	ELVD10100	ELVD101G0	.782	10	ELVD10500	ELVD105G0	0.782
12	ELVD12100	ELVD121G0	.932	12	ELVD12500	ELVD125G0	0.932
14	ELVD14100	ELVD141G0	1.082	14	ELVD14500	ELVD145G0	1.082
16	ELVD16100	ELVD161G0	1.232	16	ELVD16500	ELVD165G0	1.232
18	ELVD18100	ELVD181G0	1.382	18	ELVD18500	ELVD185G0	1.382
20	ELVD20100	ELVD201G0	1.532	20	ELVD20500	ELVD205G0	1.532
22	ELVD22100	ELVD221G0	1.682	22	ELVD22500	ELVD225G0	1.682
24	ELVD24100	ELVD241G0	1.832	24	ELVD24500	ELVD245G0	1.832
26	ELVD26100	ELVD261G0	1.982	26	ELVD26500	ELVD265G0	1.982
28	ELVD28100	ELVD281G0	2.132	28	ELVD28500	ELVD285G0	2.132
30	ELVD30100	ELVD301G0	2.282	30	ELVD30500	ELVD305G0	2.282
32	ELVD32100	ELVD321G0	2.432	32	ELVD32500	ELVD325G0	2.432
34	ELVD34100	ELVD341G0	2.582	34	ELVD34500	ELVD345G0	2.582
36	ELVD36100	ELVD361G0	2.732	36	ELVD36500	ELVD365G0	2.732
38	ELVD38100	ELVD381G0	2.882	38	ELVD38500	ELVD385G0	2.882
40	ELVD40100	ELVD401G0	3.032	40	ELVD40500	ELVD405G0	3.032

See page 13 for gold plating and marking options

APPROVALS:

Consult factory for specific product recognitions

SPECIFICATIONS:

Current Rating: 12A
Operating Voltage: 300V
Insulation Resistance: >10^3 Megohms
Dielectric Withstanding: <1600V

MATERIALS:

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

HEADER INSTALLATION:

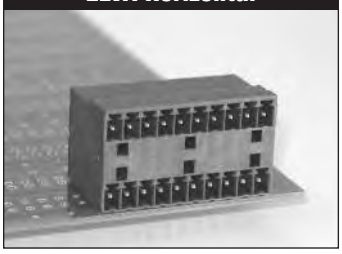
Hole Diameter: .047"

Amphenol Pcd

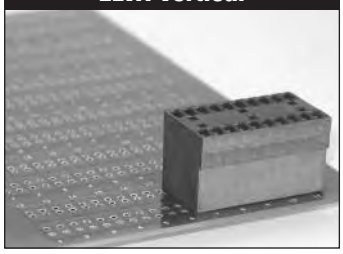
ELVA 2-TIER STACKED HEADERS
Vertical and Horizontal

.150" (3.81mm)

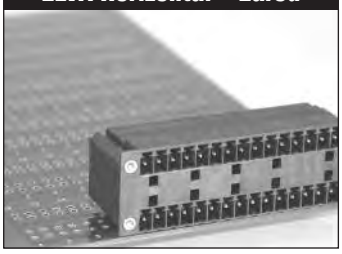
ELVA Horizontal



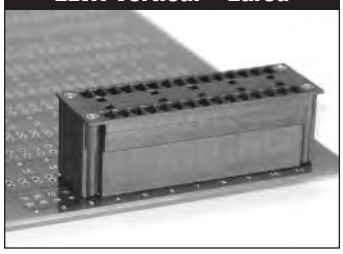
ELVA Vertical

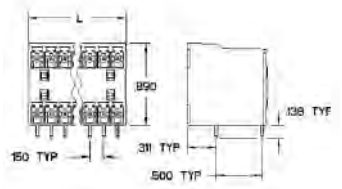


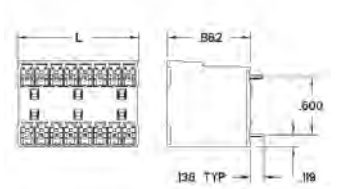
ELVA Horizontal—Eared

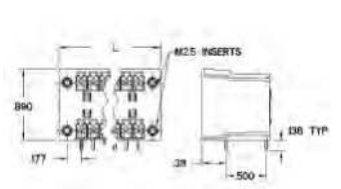


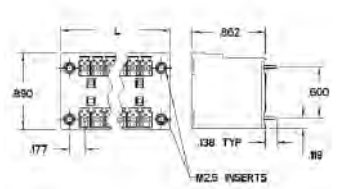
ELVA Vertical—Eared











Pos	Catalog # Black	Catalog # Green	L (In.)	Pos	Catalog # Black	Catalog # Green	L (In.)	Pos	Catalog # Black	Catalog # Green	L (In.)	Pos	Catalog # Black	Catalog # Green	L (In.)
4	ELVA04100	ELVA041G0	.332	4	ELVA04500	ELVA045G0	0.332	4	ELVA04100E	ELVA041G0E	0.710	4	ELVA04500E	ELVA045G0E	0.710
6	ELVA06100	ELVA061G0	.482	6	ELVA06500	ELVA065G0	0.482	6	ELVA06100E	ELVA061G0E	0.860	6	ELVA06500E	ELVA065G0E	0.860
8	ELVA08100	ELVA081G0	.632	8	ELVA08500	ELVA085G0	0.632	8	ELVA08100E	ELVA081G0E	1.010	8	ELVA08500E	ELVA085G0E	1.010
10	ELVA10100	ELVA101G0	.782	10	ELVA10500	ELVA105G0	0.782	10	ELVA10100E	ELVA101G0E	1.160	10	ELVA10500E	ELVA105G0E	1.160
12	ELVA12100	ELVA121G0	.932	12	ELVA12500	ELVA125G0	0.932	12	ELVA12100E	ELVA121G0E	1.310	12	ELVA12500E	ELVA125G0E	1.310
14	ELVA14100	ELVA141G0	1.082	14	ELVA14500	ELVA145G0	1.082	14	ELVA14100E	ELVA141G0E	1.460	14	ELVA14500E	ELVA145G0E	1.460
16	ELVA16100	ELVA161G0	1.232	16	ELVA16500	ELVA165G0	1.232	16	ELVA16100E	ELVA161G0E	1.610	16	ELVA16500E	ELVA165G0E	1.610
18	ELVA18100	ELVA181G0	1.382	18	ELVA18500	ELVA185G0	1.382	18	ELVA18100E	ELVA181G0E	1.760	18	ELVA18500E	ELVA185G0E	1.760
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26	ELVA26100	ELVA261G0	1.982	26	ELVA26500	ELVA265G0	1.982	26	ELVA26100E	ELVA261G0E	2.360	26	ELVA26500E	ELVA265G0E	2.360
28	ELVA28100	ELVA281G0	2.132	28	ELVA28500	ELVA285G0	2.132	28	ELVA28100E	ELVA281G0E	2.510	28	ELVA28500E	ELVA285G0E	2.510
30	ELVA30100	ELVA301G0	2.282	30	ELVA30500	ELVA305G0	2.282	30	ELVA30100E	ELVA301G0E	2.660	30	ELVA30500E	ELVA305G0E	2.660
32	ELVA32100	ELVA321G0	2.432	32	ELVA32500	ELVA325G0	2.432	32	ELVA32100E	ELVA321G0E	2.810	32	ELVA32500E	ELVA325G0E	2.810
34	ELVA34100	ELVA341G0	2.582	34	ELVA34500	ELVA345G0	2.582	34	ELVA34100E	ELVA341G0E	2.960	34	ELVA34500E	ELVA345G0E	2.960
36	ELVA36100	ELVA361G0	2.732	36	ELVA36500	ELVA365G0	2.732	36	ELVA36100E	ELVA361G0E	3.110	36	ELVA36500E	ELVA365G0E	3.110
38	ELVA38100	ELVA381G0	2.882	38	ELVA38500	ELVA385G0	2.882	38	ELVA38100E	ELVA381G0E	3.260	38	ELVA38500E	ELVA385G0E	3.260
40	ELVA40100	ELVA401G0	3.032	40	ELVA40500	ELVA405G0	3.032	40	ELVA40100E	ELVA401G0E	3.410	40	ELVA40500E	ELVA405G0E	3.410

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Amphenol Pcd