

.200" (5.08mm)

FXP FlexiPlug® HYBRID PLUGGABLE BLOCK Screw/Pressure-Plate Termination

HYBRID TERMINAL BLOCK

FXP FlexiPlug® hybrid terminal blocks combine U.S.-style standard screw-driver barrier-block wire terminations with a European-style pluggable block nose; and will mate with both Amphenol 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.

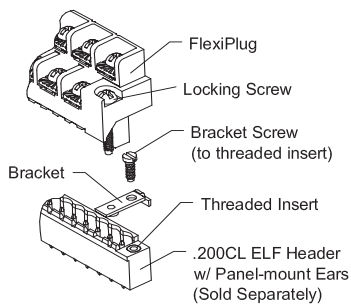
Screw/pressure-plate terminations enclosed in a tri-barrier configuration accept either a #2 Philips head or a 1/4" flat screwdriver and will accommodate up to two 12 AWG wires or ring- or fork-tongue terminals

FLEXIPLUG OPTIONS

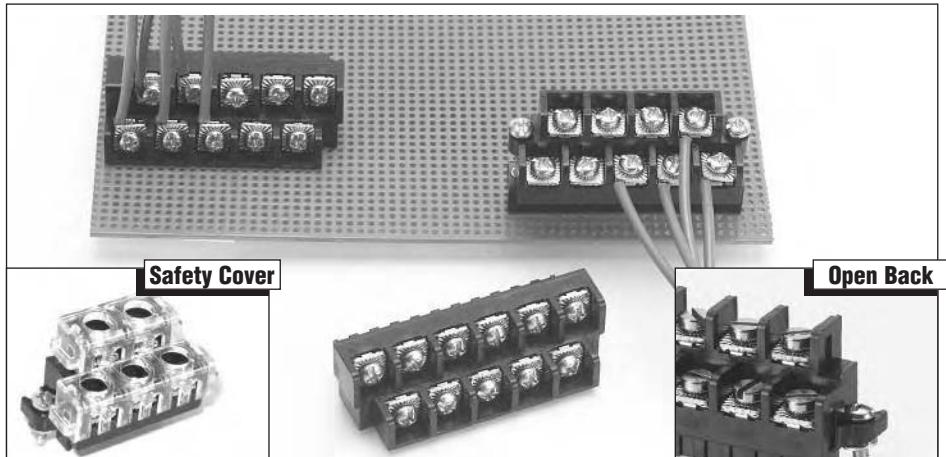
Optional accessories and variations, outlined below, greatly expand the FXP application range and flexibility. Refer to the Part Number Guide on this page for catalog number and ordering guidance, or contact Amphenol Pcd.

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 captive floating locking screw that engages a threaded insert in the ELFH header ear.



For plugs with an even number of contact positions, one locking screw must be offset from the header by using the FXPAD adapter (see illustration above).



Open Back Wall

Plugs can be supplied with an open back wall on the upper row of contacts (see photo insert above). This facilitates fanning of wires in two directions during installation.

Plating

Plugs and mating ELFH headers are available with selective gold plating.

Keying

Standard ELF line keying tabs, as described on page 29, are applicable on the FXP as well.

Marking

FXP plugs are available with a variety of standard and special markings. Please contact the factory to discuss your requirements.

Color

The standard color for FXP series plugs is black. All FlexiPlugs are also available—with the same delivery commitment—in green.

Protective Cover

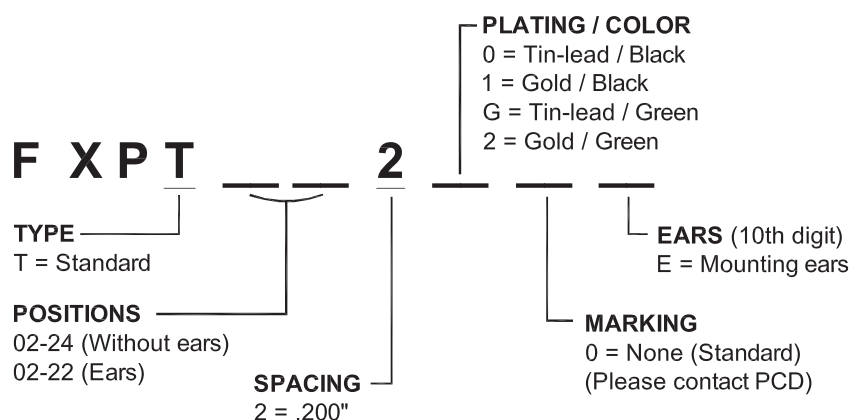
A clear protective "finger-proof" safety cover can be provided with the FlexiPlug. See photo above. Contact Amphenol Pcd for details.

SPECIAL VARIATIONS

In addition to the standard FlexiPlug product variations, Amphenol Pcd is a leading supplier of special block configurations and modifications, tailored to meet unusual system design requirements. The FXP screw clamp termination is suited for special I/O configurations. Please contact the factory for further discussions.

FXP PART NUMBERING GUIDE

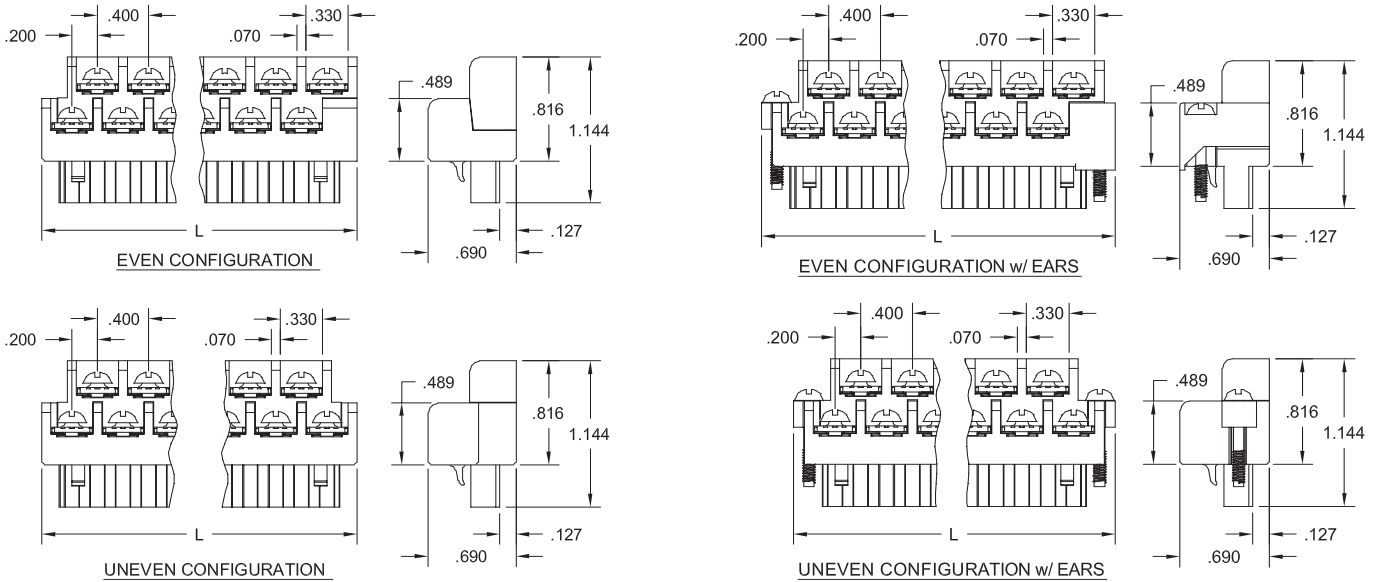
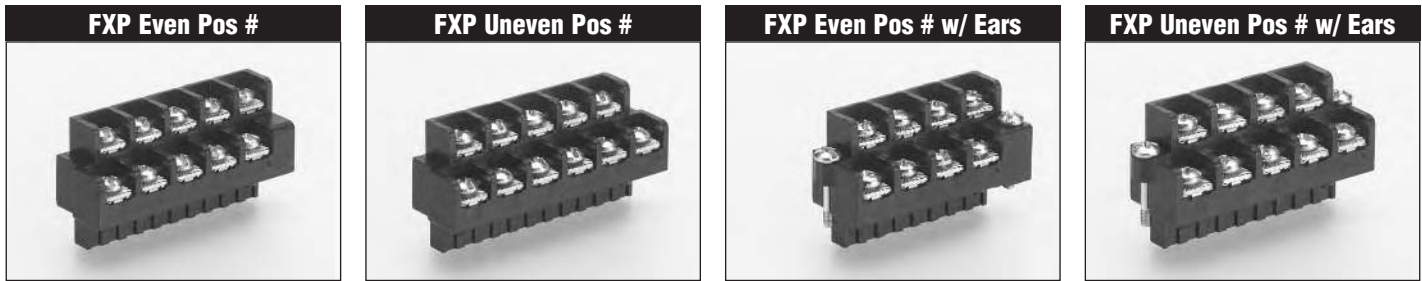
Please consult Amphenol Pcd for availability of part no. combinations.



Amphenol Pcd

FXP FlexiPlug® HYBRID PLUGGABLE BLOCK Screw/Pressure-Plate Termination

.200" (5.08mm)



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.)
Even Configuration				Uneven Configuration				Even Configuration w/ Ears				Uneven Configuration w/ Ears			
2	FXPT02200	FXPT022G0	.670	3	FXPT03200	FXPT032G0	0.870	2	FXPT02200E	FXPT022G0E	.840	3	FXPT03200E	FXPT032G0E	1.040
4	FXPT04200	FXPT042G0	1.070	5	FXPT05200	FXPT052G0	1.270	4	FXPT04200E	FXPT042G0E	1.240	5	FXPT05200E	FXPT052G0E	1.440
6	FXPT06200	FXPT062G0	1.470	7	FXPT07200	FXPT072G0	1.670	6	FXPT06200E	FXPT062G0E	1.640	7	FXPT07200E	FXPT072G0E	1.840
8	FXPT08200	FXPT082G0	1.870	9	FXPT09200	FXPT092G0	2.070	8	FXPT08200E	FXPT082G0E	2.040	9	FXPT09200E	FXPT092G0E	2.240
10	FXPT10200	FXPT102G0	2.270	11	FXPT11200	FXPT112G0	2.470	10	FXPT10200E	FXPT102G0E	2.440	11	FXPT11200E	FXPT112G0E	2.640
12	FXPT12200	FXPT122G0	2.670	13	FXPT13200	FXPT132G0	2.870	12	FXPT12200E	FXPT122G0E	2.840	13	FXPT13200E	FXPT132G0E	3.040
14	FXPT14200	FXPT142G0	3.070	15	FXPT15200	FXPT152G0	3.270	14	FXPT14200E	FXPT142G0E	3.240	15	FXPT15200E	FXPT152G0E	3.440
16	FXPT16200	FXPT162G0	3.470	17	FXPT17200	FXPT172G0	3.670	16	FXPT16200E	FXPT162G0E	3.640	17	FXPT17200E	FXPT172G0E	3.840
18	FXPT18200	FXPT182G0	3.870	19	FXPT19200	FXPT192G0	4.070	18	FXPT18200E	FXPT182G0E	4.040	19	FXPT19200E	FXPT192G0E	4.240
20	FXPT20200	FXPT202G0	4.270	21	FXPT21200	FXPT212G0	4.470	20	FXPT20200E	FXPT202G0E	4.440	21	FXPT21200E	FXPT212G0E	4.640
22	FXPT22200	FXPT222G0	4.670	23	FXPT23200	FXPT232G0	4.870	22	FXPT22200E	FXPT222G0E	4.840				
24	FXPT24200	FXPT242G0	5.070												

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 Phillips, 1/4" blade

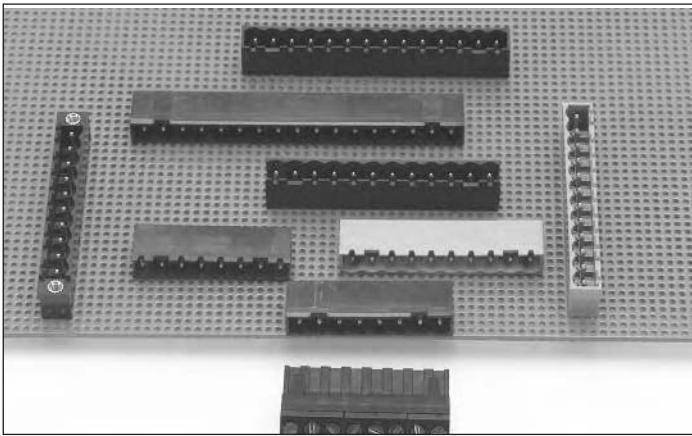
APPROVALS:



Consult factory for specific product recognitions

Amphenol Pcd

ELFH HEADERS with Locking Ears



ELFH SERIES HEADERS

ELFH Series headers mate with ELF Series, FXP FlexiPlug and SCF spring clamp 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. Screwdriver slots at either end facilitate unplugging and eliminate the possibility of body damage.

SMT Compatibility

ELF headers are available in ultra-high-temperature, glass-filled polyamide, capable of withstanding temperatures of 260°C for three minutes while undergoing SMT reflow soldering. This eliminates the need for a separate header wave soldering operation if SMT is being employed in the board manufacturing process. See page 25 for instructions on how to order. *Note: Available in black only.*

Locking and Mounting Ears

Integrally molded locking ears are available with all ELFH 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. *Note: locking ears add a contact position per side to header length.*

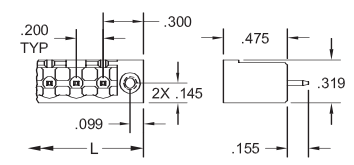
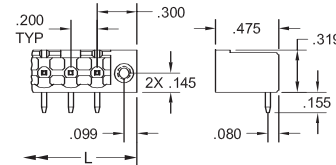
An "E" is added to the catalog number to specify locking ears.

Locking ears can also be used as mounting ears to secure the header to printed circuit boards or chassis, and are available as well with blank through-holes in the "vertical" orientation for custom mounting.

Gold Plating: Indicate "1" as the last digit of catalog no. for black parts; "1G" in the last position for green parts. *Consult PCD for assistance with locking-ear headers.*

Marking: See page 25

Accessories: Polarizing keys and marking labels. See page 29.



Pos	Catalog #		L (In.)	Catalog #		L (In.)	
	Black	Green		Black	Green		
2	ELFH02210E	ELFH0221GE	.80	2	ELFH02250E	ELFH0225GE	.80
3	ELFH03210E	ELFH0321GE	1.00	3	ELFH03250E	ELFH0325GE	1.00
4	ELFH04210E	ELFH0421GE	1.20	4	ELFH04250E	ELFH0425GE	1.20
5	ELFH05210E	ELFH0521GE	1.40	5	ELFH05250E	ELFH0525GE	1.40
6	ELFH06210E	ELFH0621GE	1.60	6	ELFH06250E	ELFH0625GE	1.60
7	ELFH07210E	ELFH0721GE	1.80	7	ELFH07250E	ELFH0725GE	1.80
8	ELFH08210E	ELFH0821GE	2.00	8	ELFH08250E	ELFH0825GE	2.00
9	ELFH09210E	ELFH0921GE	2.20	9	ELFH09250E	ELFH0925GE	2.20
10	ELFH10210E	ELFH1021GE	2.40	10	ELFH10250E	ELFH1025GE	2.40
11	ELFH11210E	ELFH1121GE	2.60	11	ELFH11250E	ELFH1125GE	2.60
12	ELFH12210E	ELFH1221GE	2.80	12	ELFH12250E	ELFH1225GE	2.80
13	ELFH13210E	ELFH1321GE	3.00	13	ELFH13250E	ELFH1325GE	3.00
14	ELFH14210E	ELFH1421GE	3.20	14	ELFH14250E	ELFH1425GE	3.20
15	ELFH15210E	ELFH1521GE	3.40	15	ELFH15250E	ELFH1525GE	3.40
16	ELFH16210E	ELFH1621GE	3.60	16	ELFH16250E	ELFH1625GE	3.60
17	ELFH17210E	ELFH1721GE	3.80	17	ELFH17250E	ELFH1725GE	3.80
18	ELFH18210E	ELFH1821GE	4.00	18	ELFH18250E	ELFH1825GE	4.00
19	ELFH19210E	ELFH1921GE	4.20	19	ELFH19250E	ELFH1925GE	4.20
20	ELFH20210E	ELFH2021GE	4.40	20	ELFH20250E	ELFH2025GE	4.40
21	ELFH21210E	ELFH2121GE	4.60	21	ELFH21250E	ELFH2125GE	4.60
22	ELFH22210E	ELFH2221GE	4.80	22	ELFH22250E	ELFH2225GE	4.80

See page 25 for temperature, gold plating and marking options

APPROVALS:



Contact factory for specific product recognition

SPECIFICATIONS:

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

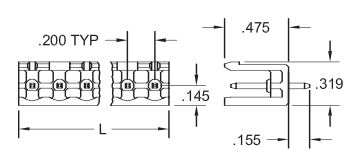
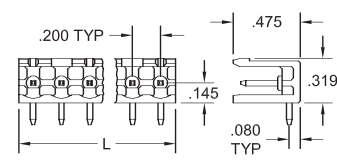
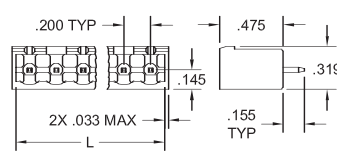
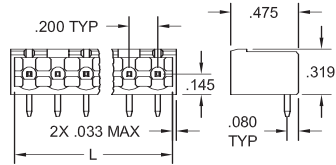
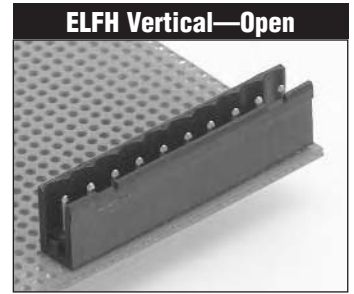
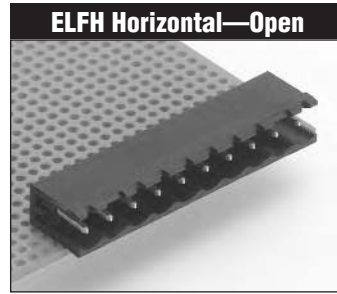
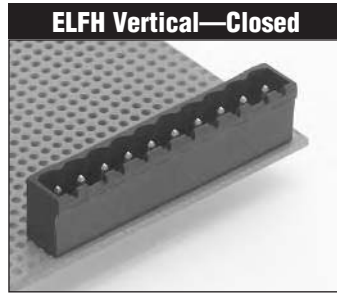
HEADER INSTALLATION:

Hole Diameter: .055" min.

MATERIALS:

Housing: PBT, UL 94V-0 (Standard)
 PA 4/6, UL 94V-0 (High temp)
 Black or green optional
Contact: Copper alloy, optional finish
Ear Insert, M2.5: Steel, nickel finish

ELFH HEADERS



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.)
2	ELFH02210	ELFH0221G	.40	2	ELFH02250	ELFH0225G	.40	2	ELFH02220	ELFH0222G	.40	2	ELFH02260	ELFH0226G	.40
3	ELFH03210	ELFH0321G	.60	3	ELFH03250	ELFH0325G	.60	3	ELFH03220	ELFH0322G	.60	3	ELFH03260	ELFH0326G	.60
4	ELFH04210	ELFH0421G	.80	4	ELFH04250	ELFH0425G	.80	4	ELFH04220	ELFH0422G	.80	4	ELFH04260	ELFH0426G	.80
5	ELFH05210	ELFH0521G	1.00	5	ELFH05250	ELFH0525G	1.00	5	ELFH05220	ELFH0522G	1.00	5	ELFH05260	ELFH0526G	1.00
6	ELFH06210	ELFH0621G	1.20	6	ELFH06250	ELFH0625G	1.20	6	ELFH06220	ELFH0622G	1.20	6	ELFH06260	ELFH0626G	1.20
7	ELFH07210	ELFH0721G	1.40	7	ELFH07250	ELFH0725G	1.40	7	ELFH07220	ELFH0722G	1.40	7	ELFH07260	ELFH0726G	1.40
8	ELFH08210	ELFH0821G	1.60	8	ELFH08250	ELFH0825G	1.60	8	ELFH08220	ELFH0822G	1.60	8	ELFH08260	ELFH0826G	1.60
9	ELFH09210	ELFH0921G	1.80	9	ELFH09250	ELFH0925G	1.80	9	ELFH09220	ELFH0922G	1.80	9	ELFH09260	ELFH0926G	1.80
10	ELFH10210	ELFH1021G	2.00	10	ELFH10250	ELFH1025G	2.00	10	ELFH10220	ELFH1022G	2.00	10	ELFH10260	ELFH1026G	2.00
11	ELFH11210	ELFH1121G	2.20	11	ELFH11250	ELFH1125G	2.20	11	ELFH11220	ELFH1122G	2.20	11	ELFH11260	ELFH1126G	2.20
12	ELFH12210	ELFH1221G	2.40	12	ELFH12250	ELFH1225G	2.40	12	ELFH12220	ELFH1222G	2.40	12	ELFH12260	ELFH1226G	2.40
13	ELFH13210	ELFH1321G	2.60	13	ELFH13250	ELFH1325G	2.60	13	ELFH13220	ELFH1322G	2.60	13	ELFH13260	ELFH1326G	2.60
14	ELFH14210	ELFH1421G	2.80	14	ELFH14250	ELFH1425G	2.80	14	ELFH14220	ELFH1422G	2.80	14	ELFH14260	ELFH1426G	2.80
15	ELFH15210	ELFH1521G	3.00	15	ELFH15250	ELFH1525G	3.00	15	ELFH15220	ELFH1522G	3.00	15	ELFH15260	ELFH1526G	3.00
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17	ELFH17210	ELFH1721G	3.40	17	ELFH17250	ELFH1725G	3.40	17	ELFH17220	ELFH1722G	3.40	17	ELFH17260	ELFH1726G	3.40
18	ELFH18210	ELFH1821G	3.60	18	ELFH18250	ELFH1825G	3.60	18	ELFH18220	ELFH1822G	3.60	18	ELFH18260	ELFH1826G	3.60
19	ELFH19210	ELFH1921G	3.80	19	ELFH19250	ELFH1925G	3.80	19	ELFH19220	ELFH1922G	3.80	19	ELFH19260	ELFH1926G	3.80
20	ELFH20210	ELFH2021G	4.00	20	ELFH20250	ELFH2025G	4.00	20	ELFH20220	ELFH2022G	4.00	20	ELFH20260	ELFH2026G	4.00
21	ELFH21210	ELFH2121G	4.20	21	ELFH21250	ELFH2125G	4.20	21	ELFH21220	ELFH2122G	4.20	21	ELFH21260	ELFH2126G	4.20
22	ELFH22210	ELFH2221G	4.40	22	ELFH22250	ELFH2225G	4.40	22	ELFH22220	ELFH2222G	4.40	22	ELFH22260	ELFH2226G	4.40
23	ELFH23210	ELFH2321G	4.60	23	ELFH23250	ELFH2325G	4.60	23	ELFH23220	ELFH2322G	4.60	23	ELFH23260	ELFH2326G	4.60
24	ELFH24210	ELFH2421G	4.80	24	ELFH24250	ELFH2425G	4.80	24	ELFH24220	ELFH2422G	4.80	24	ELFH24260	ELFH2426G	4.80

See page 25 for temperature, gold plating and marking options

MATERIALS:

Housing: PBT, UL 94V-0 (Standard)
 PA 4/6, UL 94V-0 (High temp)
 Black (Green option standard only)
Contact: Copper alloy, optional finish

SPECIFICATIONS:

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

HEADER INSTALLATION:

Hole Diameter: .055" min.

APPROVALS:



Contact factory for specific product recognition