

Amphenol

Terminal Blocks

EL Series Pluggable (2 piece) Terminal Block and Header System

High Density, High Temperature pluggable solutions feature a VISE CLAMP wire termination system. Various mounting options are available as well as an individual position keying capability. Intermateable with Industry standard systems.

Materials

Housing – 94V-0 Polyamide
 Contact – Copper Alloy
 Clamp Screw – Copper Alloy/Ni
 Finish – Optional

Features

Solder Suitability – SMT Reflow
 – Wave Solder
 Plugs are stackable
 Approvals – UR/CSA/TUV/CE

Electrical

3.5mm/.150" (3.81mm)
 Current – 12A
 Voltage – 300V
 Insulation Ω – 10³ Megaohms
 Dielectric Withstand – <1600V
 5mm/.200" (5.08mm)
 Current – 15A
 Voltage – 300V
 Insulation Ω – 10⁵ Megaohms
 Dielectric Withstand – <3000V

Wire Range

3.5mm/.150" (3.81mm)
 Wire Range – #16~28AWG
 Strip Length – 0.25" (6.35mm)
 Tighten Torque – 0.25N-m
 5mm/.200" (5.08mm)
 Wire Range – #12~26AWG
 Strip Length – 0.310"
 Tighten Torque – 0.25N-m

Desc.	3.5mm and .150" (3.81mm) Pitch Solutions									
	Plug requires a Shrouded Header									
	Shrouded Headers		Plugs		Right Angle		Top Entry		Bottom Entry	
Representation	Horizontal		Vertical		Right Angle		Top Entry		Bottom Entry	
Pos	Part Number		Part Number		Part Number		Part Number		Part Number	
	Pitch		Pitch		Pitch		Pitch		Pitch	
	3.5mm	.150"	3.5mm	.150"	3.5mm	.150"	3.5mm	.150"	3.5mm	.150"
2	ELXH021x0	ELVH021x0	ELXH025x0	ELVH025x0	ELXP021x0	ELVP021x0	ELXT025x0	ELVT025x0	ELXT026x0	ELVT026x0
3	ELXH031x0	ELVH031x0	ELXH035x0	ELVH035x0	ELXP031x0	ELVP031x0	ELXT035x0	ELVT035x0	ELXT036x0	ELVT036x0
4	ELXH041x0	ELVH041x0	ELXH045x0	ELVH045x0	ELXP041x0	ELVP041x0	ELXT045x0	ELVT045x0	ELXT046x0	ELVT046x0
5	ELXH051x0	ELVH051x0	ELXH055x0	ELVH055x0	ELXP051x0	ELVP051x0	ELXT055x0	ELVT055x0	ELXT056x0	ELVT056x0
6	ELXH061x0	ELVH061x0	ELXH065x0	ELVH065x0	ELXP061x0	ELVP061x0	ELXT065x0	ELVT065x0	ELXT066x0	ELVT066x0
7	ELXH071x0	ELVH071x0	ELXH075x0	ELVH075x0	ELXP071x0	ELVP071x0	ELXT075x0	ELVT075x0	ELXT076x0	ELVT076x0
8	ELXH081x0	ELVH081x0	ELXH085x0	ELVH085x0	ELXP081x0	ELVP081x0	ELXT085x0	ELVT085x0	ELXT086x0	ELVT086x0
9	ELXH091x0	ELVH091x0	ELXH095x0	ELVH095x0	ELXP091x0	ELVP091x0	ELXT095x0	ELVT095x0	ELXT096x0	ELVT096x0
10	ELXH101x0	ELVH101x0	ELXH105x0	ELVH105x0	ELXP101x0	ELVP101x0	ELXT105x0	ELVT105x0	ELXT106x0	ELVT106x0
11	ELXH111x0	ELVH111x0	ELXH115x0	ELVH115x0	ELXP111x0	ELVP111x0	ELXT115x0	ELVT115x0	ELXT116x0	ELVT116x0
12	ELXH121x0	ELVH121x0	ELXH125x0	ELVH125x0	ELXP121x0	ELVP121x0	ELXT125x0	ELVT125x0	ELXT126x0	ELVT126x0
13	ELXH131x0	ELVH131x0	ELXH135x0	ELVH135x0	ELXP131x0	ELVP131x0	ELXT135x0	ELVT135x0	ELXT136x0	ELVT136x0
14	ELXH141x0	ELVH141x0	ELXH145x0	ELVH145x0	ELXP141x0	ELVP141x0	ELXT145x0	ELVT145x0	ELXT146x0	ELVT146x0
15	ELXH151x0	ELVH151x0	ELXH155x0	ELVH155x0	ELXP151x0	ELVP151x0	ELXT155x0	ELVT155x0	ELXT156x0	ELVT156x0
16	ELXH161x0	ELVH161x0	ELXH165x0	ELVH165x0	ELXP161x0	ELVP161x0	ELXT165x0	ELVT165x0	ELXT166x0	ELVT166x0
17	ELXH171x0	ELVH171x0	ELXH175x0	ELVH175x0	ELXP171x0	ELVP171x0	ELXT175x0	ELVT175x0	ELXT176x0	ELVT176x0
18	ELXH181x0	ELVH181x0	ELXH185x0	ELVH185x0	ELXP181x0	ELVP181x0	ELXT185x0	ELVT185x0	ELXT186x0	ELVT186x0
19	ELXH191x0	ELVH191x0	ELXH195x0	ELVH195x0	ELXP191x0	ELVP191x0	ELXT195x0	ELVT195x0	ELXT196x0	ELVT196x0
20	ELXH201x0	ELVH201x0	ELXH205x0	ELVH205x0	ELXP201x0	ELVP201x0	ELXT205x0	ELVT205x0	ELXT206x0	ELVT206x0
21	ELXH211x0	ELVH211x0	ELXH215x0	ELVH215x0	ELXP211x0	ELVP211x0	Replace x in part number to determine Colour 0: Black G: Green			
22	ELXH221x0	ELVH221x0	ELXH225x0	ELVH225x0	ELXP221x0	ELVP221x0				
23	ELXH231x0	ELVH231x0	ELXH235x0	ELVH235x0	ELXP231x0	ELVP231x0				
24	ELXH241x0	ELVH241x0	ELXH245x0	ELVH245x0	ELXP241x0	ELVP241x0				
Dim	H: 6.93mm W: 9.14mm L: Pos x 3.5+.72	H: 6.93mm W: 9.14mm L: Pos x 3.81+.81	H: 9.14mm W: 6.93mm L: Pos x 3.5+.72	H: 9.14mm W: 6.93mm L: Pos x 3.81+.81	H: 8.74mm W: 11.1mm L: Pos x 3.5	H: 9.93mm W: 15.04mm L: Pos x 3.81	H: 12.14mm W: 10.11mm L: Pos x 3.5	H: 12.14mm W: 10.11mm L: Pos x 3.81	H: 12.14mm W: 10.11mm L: Pos x 3.5	H: 12.14mm W: 10.11mm L: Pos x 3.81

Height on Header considered to be portion above PCB. Height on Plugs considered portion above header

	<p>Locking Ears Add suffix E to both Shrouded Header and Plug for Locking Ear option.</p> <p>Ideal for High-Stress, High-Vibration environment or to prevent disconnection.</p>		<p>Also Available ELVF Series Front Entry for 3.81mm pitch only in both standard and Locking Ear.</p>
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Accessories

Polarizing Keys		Marking Labels	
Part Number	30080000	Part Number	ELV LABEL1
Supplied in rings of 8. Polarizing key locks in keyway of body without position loss.		ELV LABEL2	1-10 – Sheet of 25 peel-off strips
			11-20 – Sheet of 25 peel-off strips

Also Available

				<p>Stacked versions are available with Locking Ears.</p> <p>Part numbers available upon request</p>
2-Tier Step Horizontal Header				
2-Tier Step Vertical Header				
2-Tier Stack Horizontal Header				
2-Tier Stack Vertical Header				

PCD

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