Fixed

Our printed circuit board terminal blocks designed for fixed mounting offer high density, and maximum flexibility. Modular construction simplifies ordering and reduces inventory. Two-and 3-pole modules can be interlocked to create multipole assemblies. Altech can also supply ready-made assemblies tailored to your specification. Fixed-mount blocks are available with the economical tubular screw, box clamp or the screw-cage clamp and offer several wire entry options to facilitate wiring and increase accessibility.

Pluggable

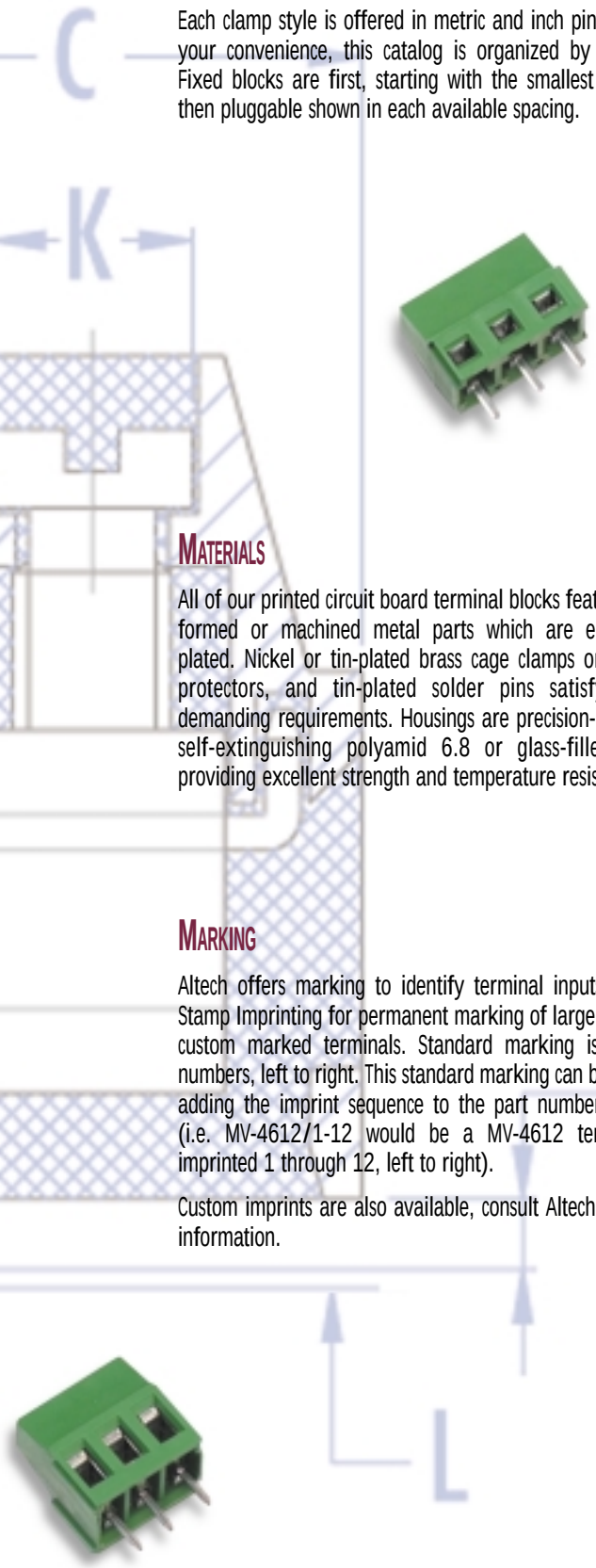
The two-piece, plug and header design of our "pluggable" terminal blocks speed and simplify board replacement and reduce costly downtime and misconnections. No special tools are required. Headers are soldered into the board and accept the plugs, which are easily removed for fast, convenient board or device replacement. Choose single- mold designs for maximum strength. Or choose modular designs which are assembled from 2 and 3 pole modules when you need maximum flexibility to meet changing requirements. Both are available in a variety of configurations. Headers are available in vertical, and horizontal, single or double-level, with closed or open ends.

We offer pluggables with either screw-cage clamp termination for heavy duty requirements or with tubular screw termination and open headers for cost sensitive applications. We also offer a card edge connector for a quick, reliable and inexpensive connection.

Connection

Altech's printed circuit board terminal blocks give you a choice between tubular screw, box clamp and screw-cage clamp designs:

- When your application calls for the highest reliability and frequent wire terminations, the screw-cage clamp should be your choice. As the clamp is tightened, the nickel-plated cage rises, pressing the wire firmly against the busbar, ensuring solid connections every time. Standard color is green.
- In the tubular screw and box clamp design, tightening the screw presses the conductor directly against the bottom of the clamp. These systems are ideal for cost sensitive, lighter duty applications or applications with infrequent wire terminations. Wire protectors are standard. Standard color is black for tubular screw and green for box clamp.



Pin Spacing

Each clamp style is offered in metric and inch pin spacing. For your convenience, this catalog is organized by pin spacing. Fixed blocks are first, starting with the smallest pin spacing, then pluggable shown in each available spacing.

Materials

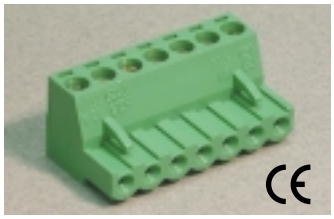
All of our printed circuit board terminal blocks feature precision formed or machined metal parts which are electrolytically plated. Nickel or tin-plated brass cage clamps or tubes, wire protectors, and tin-plated solder pins satisfy the most demanding requirements. Housings are precision-molded from self-extinguishing polyamid 6.8 or glass-filled polyester providing excellent strength and temperature resistance.

Marking

Altech offers marking to identify terminal inputs. Order Hot Stamp Imprinting for permanent marking of large quantities or custom marked terminals. Standard marking is consecutive numbers, left to right. This standard marking can be ordered by adding the imprint sequence to the part number as a suffix (i.e. MV-4612/1-12 would be a MV-4612 terminal block imprinted 1 through 12, left to right).

Custom imprints are also available, consult Altech for ordering information.

Pin Spacing: 5.00mm
Orientation: Horizontal Plug
Clamp Type: Screw Cage
Design: Single Mold



SH-5.00

ELECTRICAL

	Current	Voltage	Wire Range
cULus	12A	300V	30-14AWG
IEC	16A	450V	2.5mm² Stranded 4.0mm² Solid

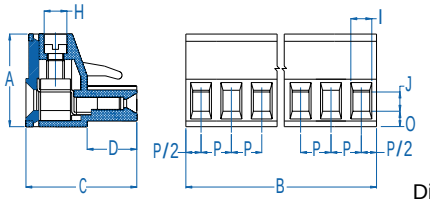
INSTALLATION DATA

Screw Size	M3	**PCB Hole Size**	–
Torque	0.5Nm (4.5 lbf-in.)	**Stripping Lgth.**	7.5mm

MATERIAL

Body	PA6.8	**Screw**	Galvanized Steel
Flammability Class	UL94V-0	**Terminal**	Nickeled Brass
Temperature Limit	105˚C UL 125˚C IEC	**Clamp**	Nickeled Brass
Color	Green		

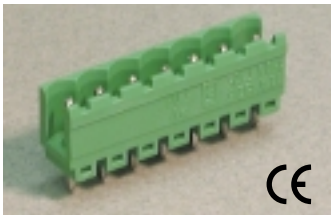
No. Poles	Cat. #	Length (B) (mm)*	Std. Pk.
2	SH02-5.00	10.0	100
3	SH03-5.00	15.0	100
4	SH04-5.00	20.0	50
5	SH05-5.00	25.0	50
6	SH06-5.00	30.0	50
7	SH07-5.00	35.0	50
8	SH08-5.00	40.0	50
9	SH09-5.00	45.0	50
10	SH10-5.00	50.0	50
11	SH11-5.00	55.0	50
12	SH12-5.00	60.0	50
13	SH13-5.00	65.0	20
14	SH14-5.00	70.0	20
15	SH15-5.00	75.0	20
16	SH16-5.00	80.0	20
17	SH17-5.00	85.0	20
18	SH18-5.00	90.0	20
19	SH19-5.00	95.0	20
20	SH20-5.00	100.0	20
21	SH21-5.00	105.0	20
22	SH22-5.00	110.0	20
23	SH23-5.00	115.0	20
24	SH24-5.00	120.0	20



Dimensions

A	15.50 mm	I	2.80 mm
B	*	J	3.10 mm
C	19.15 mm	K	–
D	8.30 mm	L	–
E	–	M	–
F	–	N	–
G	–	O	2.70 mm
H	3.80 mm	P	5.00 mm

Pin Spacing: 5.00mm
Orientation: Vertical Header
Clamp Type: –
Design: Single Mold-Open End



PV-5.00

ELECTRICAL

	Current	Voltage	Wire Range
cULus	12A	300V	–
IEC	16A	450V	–

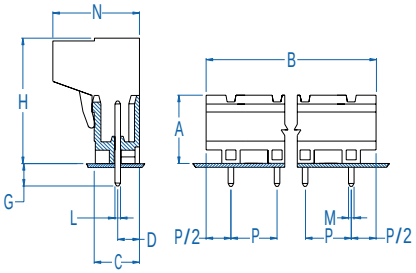
INSTALLATION DATA

Screw Size	–	**PCB Hole Size**	1.5mm
Torque	–	**Stripping Lgth.**	–

MATERIAL

Body	PA6.8	**Screw**	–
Flammability Class	UL94V-0	**Terminal**	Tin-Plated Brass
Temperature Limit	105˚C UL 125˚C IEC	**Clamp**	–
Color	Green		

No. Poles	Cat. #	Length (B) (mm)*	Std. Pk.
2	PV02-5.00	10.0	100
3	PV03-5.00	15.0	100
4	PV04-5.00	20.0	50
5	PV05-5.00	25.0	50
6	PV06-5.00	30.0	50
7	PV07-5.00	35.0	50
8	PV08-5.00	40.0	50
9	PV09-5.00	45.0	50
10	PV10-5.00	50.0	50
11	PV11-5.00	55.0	50
12	PV12-5.00	60.0	50
13	PV13-5.00	65.0	20
14	PV14-5.00	70.0	20
15	PV15-5.00	75.0	20
16	PV16-5.00	80.0	20
17	PV17-5.00	85.0	20
18	PV18-5.00	90.0	20
19	PV19-5.00	95.0	20
20	PV20-5.00	100.0	20
21	PV21-5.00	105.0	20
22	PV22-5.00	110.0	20
23	PV23-5.00	115.0	20
24	PV24-5.00	120.0	20



Dimensions

A	12.20 mm	I	–
B	*	J	–
C	8.10 mm	K	–
D	4.00 mm	L	1.00 mm
E	–	M	1.00 mm
F	–	N	15.50 mm
G	4.00 mm	O	–
H	23.15 mm	P	5.00 mm