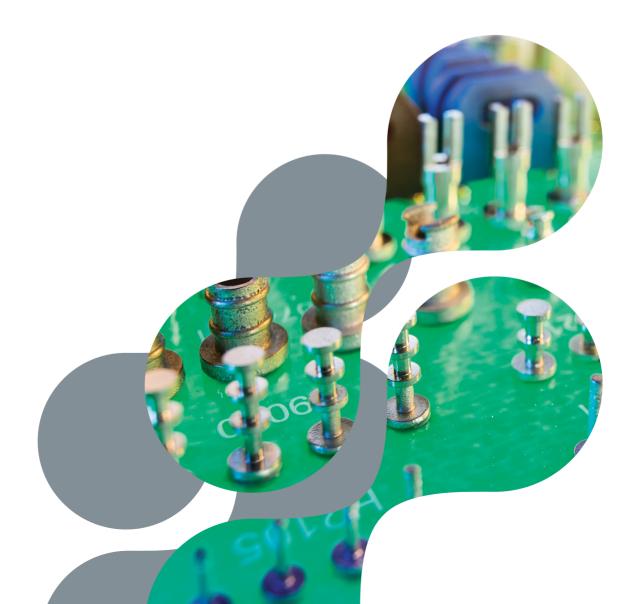
Contents

SMT Test Points
SMT Cable Clips
SMT Jumper Links
PCB Jumper Links
PCB Terminals, Turret Lugs
Spacers / Pillars / Standoffs



Test Points

- **▶** Ideal for use with standard probes, clips and hooks.
- **▶** Can be placed using industry standard equipment.
- **▶** Suitable for automatic or manual test.
- **▶** High speed placement.
- ▶ Industry standard tape and reel packaging.
- Strong and durable.



⇒ Materials

Material: Copper Alloy

Finish: Tin

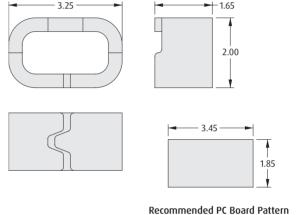
Packaging

Tape & Reel Format:

Reel quantity

S1751-46R: 2.500 on a Ø330mm reel S2751-46R: 2,500 on a Ø178mm reel S2761-46R: 3,000 on a Ø178mm reel

2.00mm HIGH



0.80

ORDER CODE S1751-46R

1.40mm HIGH

2.00 1.40 **—** 2.20

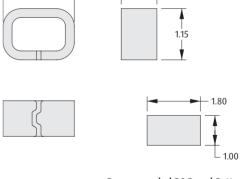
Recommended PC Board Pattern

S2751-46R

ORDER CODE

1.15mm HIGH

1.60



Recommended PC Board Pattern

ORDER CODE

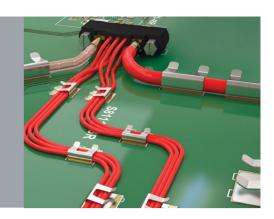
S2761-46R

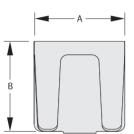


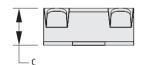


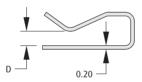
Cable Management & Grounding Clips

- ► Suitable for use with insulated cables with outer diameters Ø0.9 to Ø3mm and grounding braided coax cables.
- Cable clip can be soldered at same time as rest of board, reducing additional operation time required for mounting plastic clip types.
- Low profile & small footprint saves PCB space.









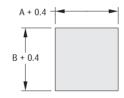
: Materials

Material: Copper Alloy Finish: Tin

: Packaging

Format: Tape & Reel

Reel quantity: Ø330mm reel, see table



Recommended PC Board Pattern

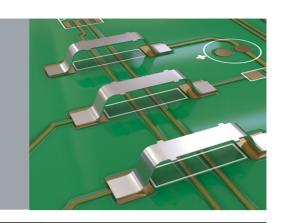
HOW TO ORDER

PART NO.	Α	В	C	D	COAX GROUNDING	CABLE RETENTION	REEL QUANTITY
S8091-46R	5.00	4.00	1.35	0.70	Ø1.12mm	2 x Ø0.9mm	3,000
S8101-46R	5.00	4.00	1.50	0.80	RG178, RG179, RG316	2 x Ø1.0mm	3,000
S8111-46R	5.00	5.00	2.05	0.80	RG174, RG179, RG316	3 x Ø1.0mm, 2 x Ø1.5mm	1,500
S8121-46R	7.00	5.50	2.55	1.30	n/a	2 x Ø1.5mm, 1 x Ø2.0mm	1,300
S8131-46R	10.00	8.00	3.55	1.80	RG58	3 x Ø2.0mm, 1 x Ø3.0mm	800



SMT Fixed Jumper Link

- ➤ Designed to link PCB tracks where through hole links are not possible.
- ➤ Typical applications include use on aluminium backplanes in power applications.
- ▶ High current.
- Small footprint.
- Low profile options available for space saving design.



⇒ Materials

Material: Copper Alloy (\$1621, \$1911)

Copper (S1731)

Finish: Tin

Packaging

Format: Tape & Reel

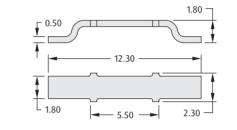
Reel quantity

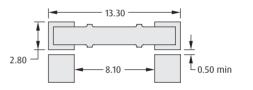
 \$1621-46R:
 5,000 on a Ø330mm reel

 \$1731-46R:
 2,500 on a Ø330mm reel

 \$1911-46R:
 4,000 on a Ø330mm reel

12.3mm LONG

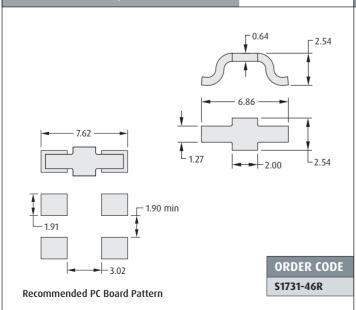




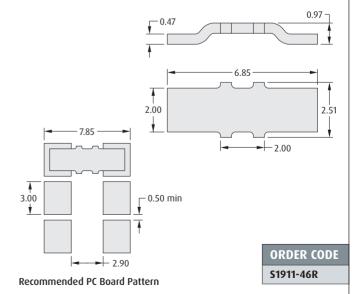
Recommended PC Board Pattern

ORDER CODE \$1621-46R

6.86mm LONG, 2.54mm HIGH



6.85mm LONG, 0.97mm HIGH





Removable Jumper Link - SMT Clip and Bar

- **❖** Simple & effective method for connecting across LED arrays and PCBs.
- ▶ Vertical and horizontal configurations available.
- ▶ Connecting bars available in two lengths.
- **▶** SMT clips packaged in tape and reel to suit automated placement.
- Allows easy replacement of defective arrays and PCBs without the need to de-solder.
- **▶** SMT clips and bars ordered separately.

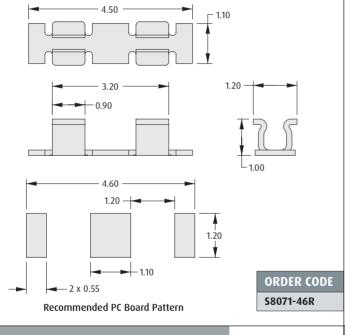


VERTICAL CLIP ∴ SpecificationMaterial:

Material: Stainless Steel

Finish: Tin

Packaging format: Tape & Reel (10,000 on a Ø330mm reel)



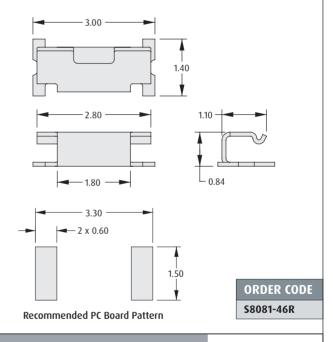
HORIZONTAL CLIP

⇒ Specification

Material: Stainless Steel

Finish: Tin

Packaging format: Tape & Reel (10,000 on a Ø330mm reel)

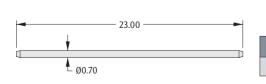


23mm LONG REMOVABLE BAR

⇒ Specification

Material: Phosphor Bronze

Finish: Tin
Packaging format: Loose



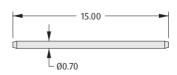
ORDER CODE \$07-46

15mm LONG REMOVABLE BAR

⇒ Specification

Material: Phosphor Bronze

Finish: Tin Packaging format: Loose

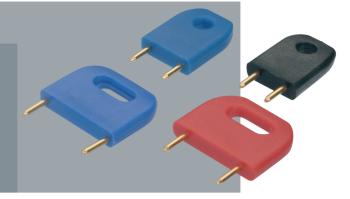


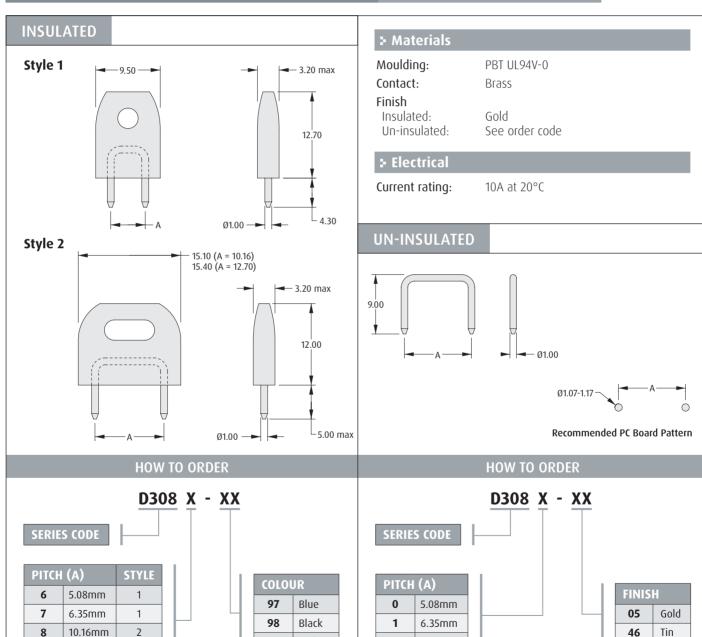
ORDER CODE



Ø1mm Shorting Link Plugs

- ♣ Choice of insulated or un-insulated links.
- Insulated links supplied in a variety of colours, with a high-performance gold finish.
- ► Un-insulated links can be soldered directly into the PCB for permanent linking.
- ➤ Can be used with individual PCB sockets for hardware programming applications.





All dimensions in mm.

9

12.70mm



2

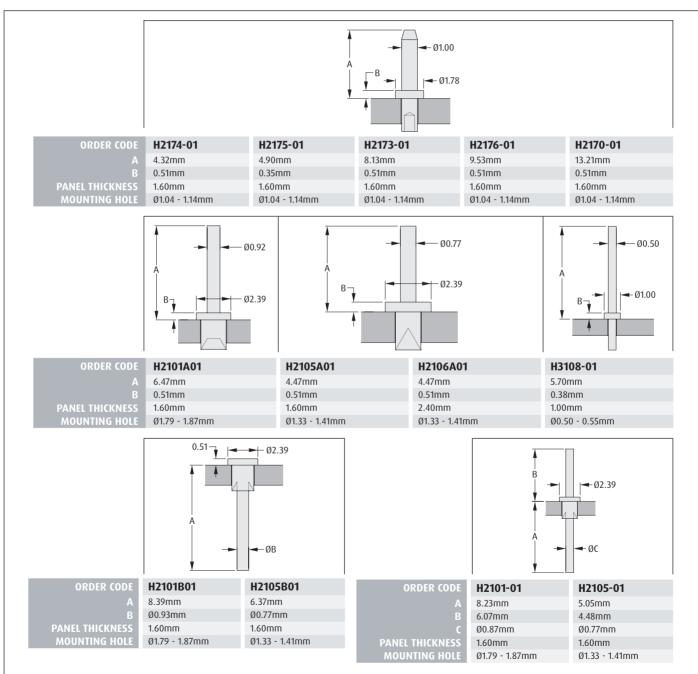
10.16mm

Red

Turned Terminals

- ▶ Material: Brass with tin plating.
- **▶** Retention by swaging feature available.
- ► For swaging tool, change order code prefix to Z, and suffix to 00 (example Z2174-00).
- **▶** Suitable for a variety of PCB thicknesses from 1mm to 2.4mm.



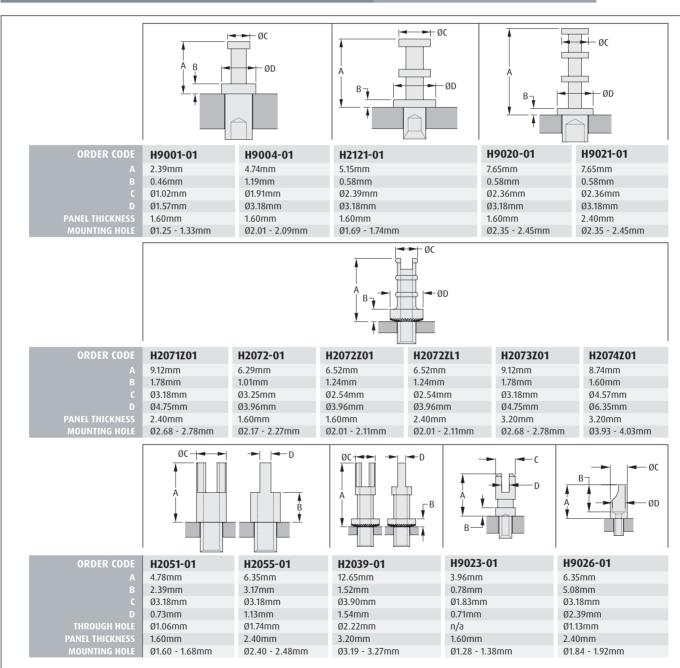




Turned Terminals

- ▶ Material: Brass with tin plating.
- **▶** Retention by swaging feature available.
- ► For swaging tool, change order code prefix to Z, and suffix to 00 (example Z9001-00).
- Suitable for a variety of PCB thicknesses from 1.6mm to 3.2mm.







Metric Spacers

Clearance Spacers

- ▶ Standard lengths available from 3 to 30mm.
- **▶** Brass spacers: base material is free-machining brass, with nickel plating.
- **▶** Aluminium spacers: supplied with a clear passivation finish to prevent oxidation.
- ▶ Plastic material: Nylon 66 UL94V-2.



CLEARANCE FOR M3 THREAD

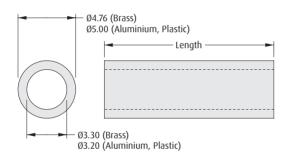
→ Materials

Base material: Brass, Aluminium or Plastic

Finish

Brass: Nickel

Aluminium: Clear Passivate



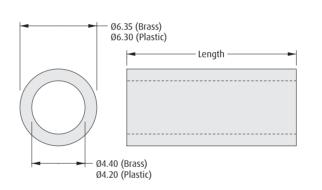
CLEARANCE FOR M4 THREAD

→ Materials

Base material: Brass or Plastic

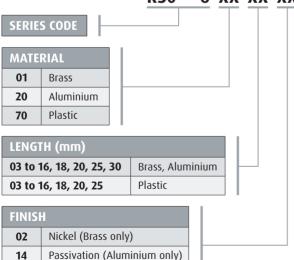
Finish

Brass: Nickel

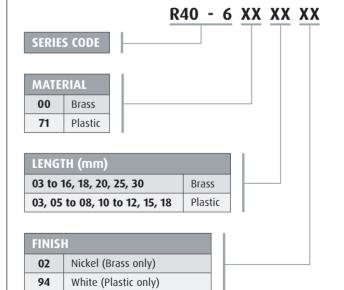


HOW TO ORDER

R30 - 6 XX XX XX



HOW TO ORDER



All dimensions in mm.

14

94

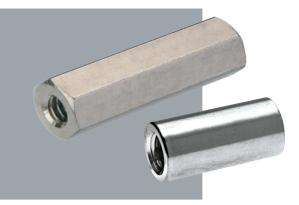
White (Plastic only)



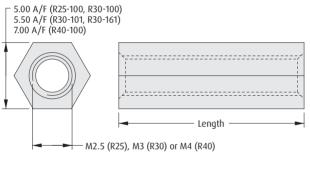
Metric Spacers

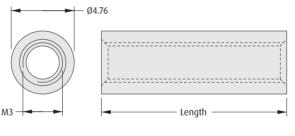
Threaded Female Spacers

- **▶** Available in a variety of standard body lengths.
- ▶ Brass spacers: base material is free-machining brass, with nickel plating.
- ▶ Plastic material: Nylon 66 UL94V-2.
- Longer thread lengths may not be threaded through the complete length, but have female threads at both ends.

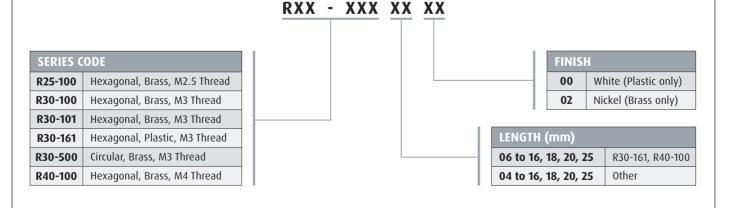


HEXAGONAL - Materials Base material: Brass or Plastic Finish Brass: Nickel 5.00 A/F (R25-100, R30-100) 5.50 A/F (R30-101 R30-161)





HOW TO ORDER





Metric Spacers

Threaded Male Pillars

- ♣ Available in a choice thread sizes, with a variety of standard body lengths.
- **▶** Base material is free-machining Brass, with nickel plating.

