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SMT Hardware

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

Format: Tape & Reel

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

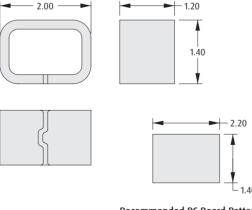
3.25 2.00 3.45 1.85

ORDER CODE

Recommended PC Board Pattern

S1751-46R

1.40mm HIGH

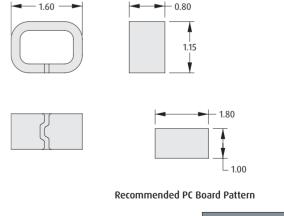


Recommended PC Board Pattern

ORDER CODE S2751-46R

1.15mm HIGH

2.00mm HIGH



ORDER CODE

S2761-46R

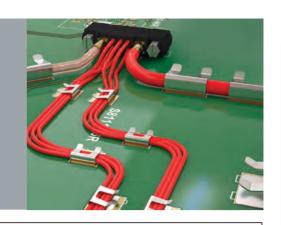


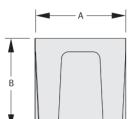


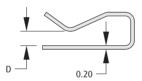
SMT Hardware

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.







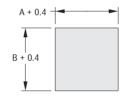
: Materials

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 Coin Cell Holder

Battery Retainer for Ø12mm Coin Cell

- ▶ Tape & reel packaged for auto-placement to PCB.
- ▶ Highly effective retention of coin cell batteries.
- **▶** Eliminates the need for soldered-in coin cells.
- Low profile design available with dual independent contact points for enhanced electrical reliability.
- ♣ Accommodates CR1220, CR1225 and similar coin cell batteries.

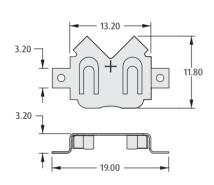


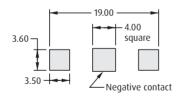
LOW PROFILE

→ Packaging

Format: Tape & Reel

Reel quantity: 1,000 on a Ø330mm reel
Suitable for battery size: BR1225, CR1216, CR1220, CR1225





Recommended PC Board Pattern

STANDARD

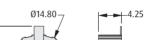
→ Packaging

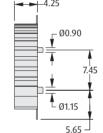
19.20

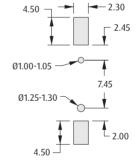
Format: Tape & Reel

Reel quantity: 500 on a Ø330mm reel

Suitable for battery size: CR1220

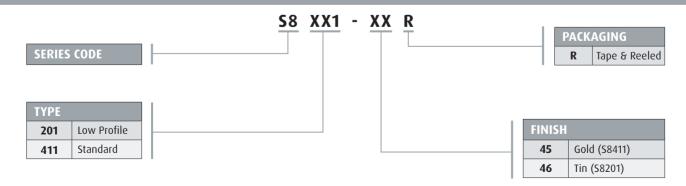






Recommended PC Board Pattern

HOW TO ORDER



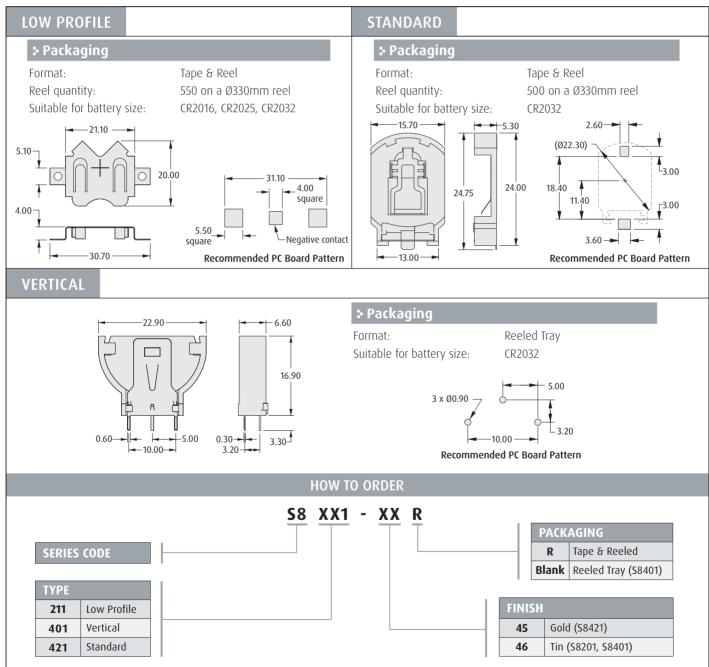


Coin Cell Holder

Battery Retainer for Ø20mm Coin Cell

- ▶ Horizontal designs are tape & reel packaged for auto placement.
- ▶ Highly effective retention of coin cell batteries.
- **▶** Eliminates the need for soldered-in cells.
- Vertical mount minimises PCB real estate usage.
- Low profile design available with dual independent contact points for enhanced electrical reliability.
- ► Accomodates CR2032 and similar coin cell batteries.



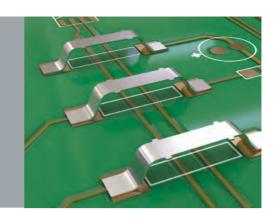




SMT Hardware

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 (S1621, S1911)

Copper (S1731)

Finish: Tin

→ Packaging

Format: Tape & Reel

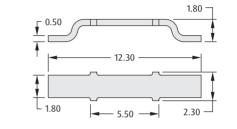
Reel quantity

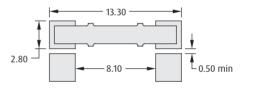
 \$1621-46R:
 5,000 on a Ø330mm reel

 \$1731-46R:
 2,500 on a Ø330mm reel

 \$1911-46R:
 4,000 on a Ø330mm reel

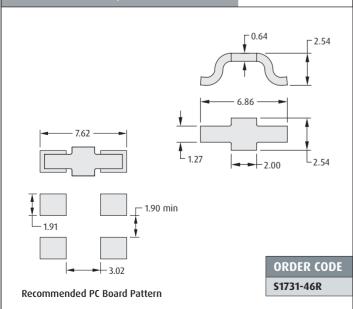
12.3mm LONG





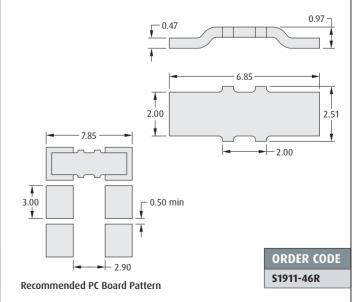
ORDER CODE \$1621-46R

6.86mm LONG, 2.54mm HIGH



6.85mm LONG, 0.97mm HIGH

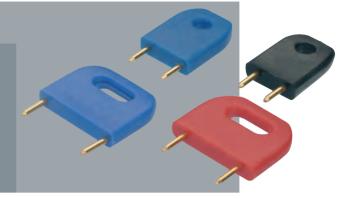
Recommended PC Board Pattern

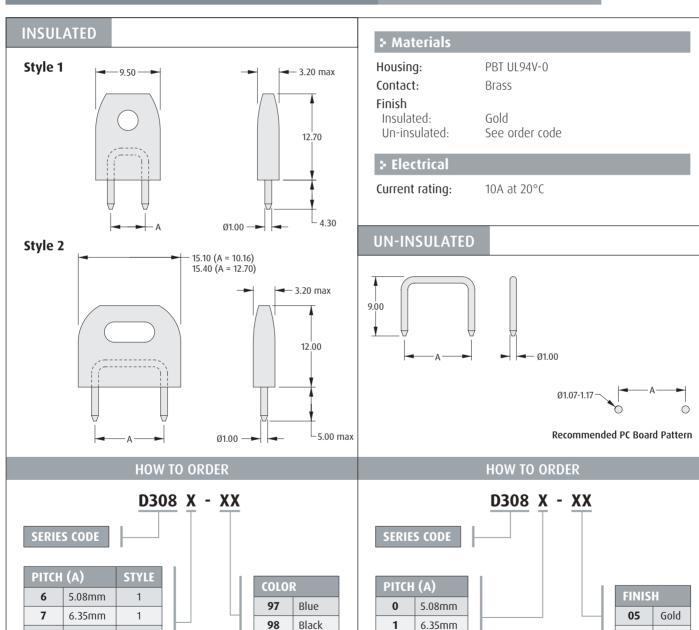




Ø1mm Shorting Link Plugs

- ♣ Choice of insulated or un-insulated links.
- ► Insulated links supplied in a variety of colors, 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.

8

9



Tin

46

2

10.16mm

Red

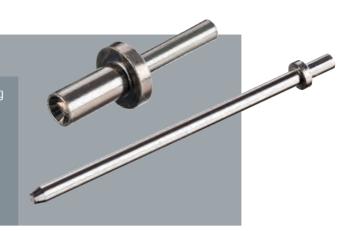
10.16mm

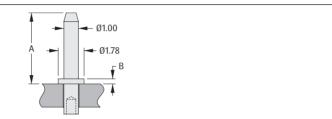
12.70mm

2

Turned Terminals

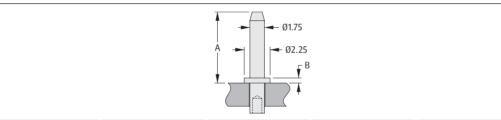
- ► Material: Brass with tin plating also available in gold plating for the Ø1mm and Ø1.75mm chamfered terminal pins (H217x and H218x series).
- **▶** Retention by swaging feature available.
- Suitable for a variety of PCB thicknesses from 1.6mm to 3.2mm



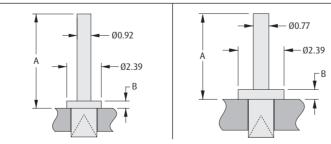


0.51

ORDER CODE (TIN)	H2174-01	H2175-01	H2173-01	H2176-01	H2170-01	H2171-01
ORDER CODE (GOLD)	H2174-05	H2175-05	H2173-05	H2176-05	H2170-05	H2171-05
	4.32mm	4.90mm	8.13mm	9.53mm	13.21mm	19.56mm
	0.51mm	0.35mm	0.51mm	0.51mm	0.51mm	0.51mm
PANEL THICKNESS	1.60mm	1.60mm	1.60mm	1.60mm	1.60mm	1.60mm
MOUNTING HOLE	Ø1.04 - 1.14mm					



ORDER CODE (TIN)	H2181-01	H2182-01	H2183-01	H2184-01	H2185-01
ORDER CODE (GOLD)	H2181-05	H2182-05	H2183-05	H2184-05	H2185-05
Α	5.35mm	8.45mm	9.85mm	15.65mm	22.00mm
В	0.35mm	0.35mm	0.35mm	0.35mm	0.35mm
PANEL THICKNESS	1.60mm	1.60mm	1.60mm	1.60mm	1.60mm
MOUNTING HOLE	Ø1.80 - 1.90mm				



ORDER CODE	H2101A01	H2103A01	H2105A01	H2106A01	H2101B01	H2105B01
Α	6.53mm	6.53mm	4.47mm	4.47mm	8.39mm	6.37mm
В	0.51mm	0.51mm	0.51mm	0.51mm	Ø0.93mm	Ø0.77mm
PANEL THICKNESS	1.60mm	3.20mm	1.60mm	2.40mm	1.60mm	1.60mm
MOUNTING HOLE	Ø1.79 - 1.87mm	Ø1.79 - 1.87mm	Ø1.33 - 1.41mm	Ø1.33 - 1.41mm	Ø1.79 - 1.87mm	Ø1.33 - 1.41mm

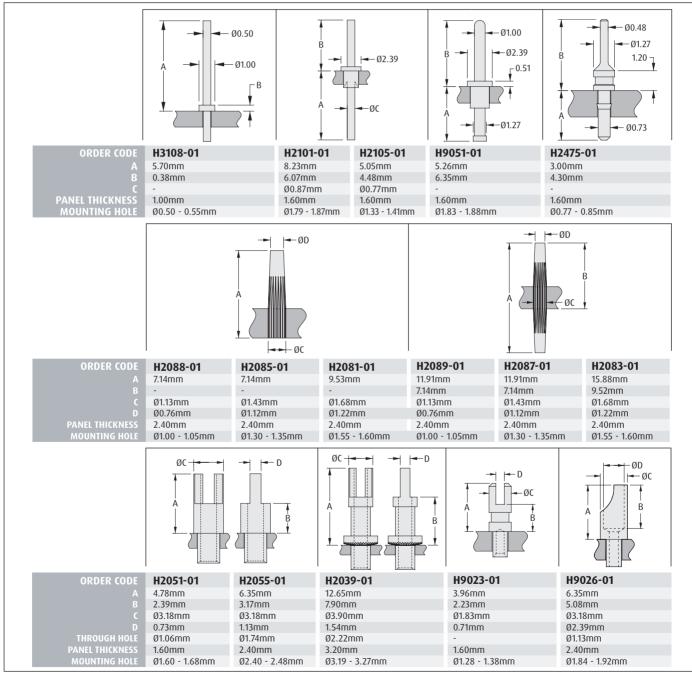
All dimensions in mm.



Turned Terminals

- ► Material: Brass with tin plating.
- **▶** Retention by swaging feature available.
- Suitable for a variety of PCB thicknesses from 1mm to 3.2mm.



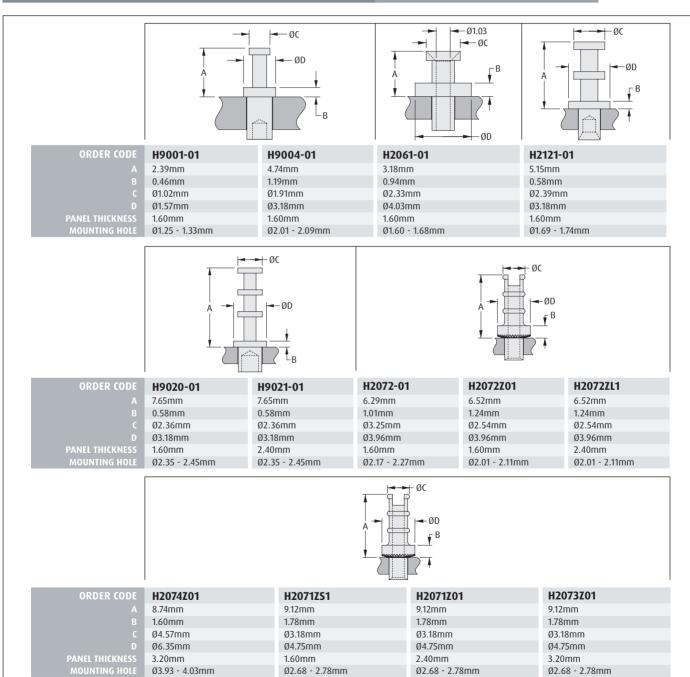




Turned Terminals

- ► Material: Brass with tin plating.
- **▶** Retention by swaging feature available.
- Suitable for a variety of PCB thicknesses from 1.6mm to 3.2mm.





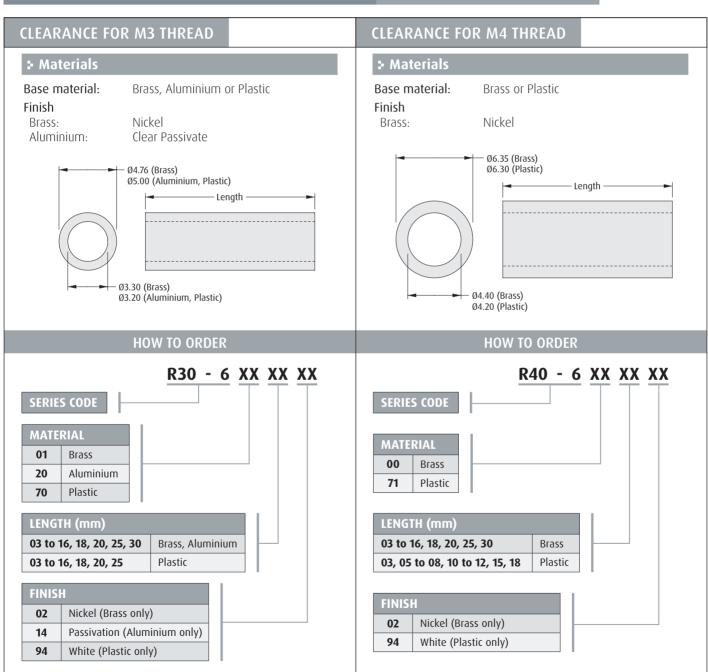


Metric Spacers

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.







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.



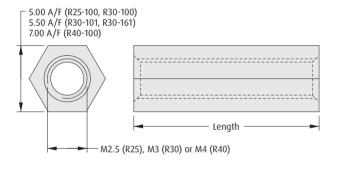
HEXAGONAL

→ Materials

Base material: Brass or Plastic

Finish

Brass: Nickel



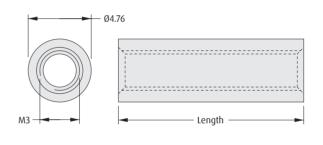
CIRCULAR

→ Materials

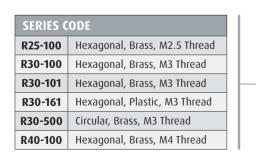
Base material: Brass

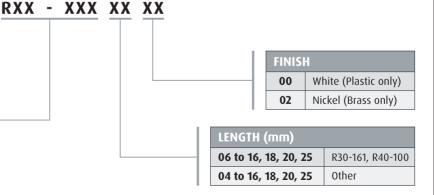
Finish

Brass: Nickel



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.

