

HARWIN

HARDWARE

SMT Cable Clips

WHY IS CABLE MANAGEMENT IMPORTANT?



Wire management is extremely important in electronic equipment, especially where the equipment may be exposed to motion.

- Unrestrained wires and cables are prone to entrapment and snagging on sharp PCB components.
- This can lead to short circuits, fire risks and potential catastrophic failure of the equipment.
- Good wire management reduces equipment failure, and also keeps the equipment tidy for future maintenance needs.

TRADITIONAL SOLUTION – PLASTIC CLIPS



Plastic cable clips are often used manage wires on or near PCBs. They tend to be bulky, require large areas on the PCB to accommodate the fix, and can break over time by becoming brittle. Most importantly, they must be fitted by hand, a very expensive constraint.

SMT CABLE CLIPS - PROVIDING A LOW COST SOLUTION



Available in 5 sizes, with the smallest having a footprint of 5.5mm x 4.5mm and a height of only 1.5mm, these Surface Mount Cable Clips are suitable for managing multiple cables from 0.9mm up to 3mm diameter. The complete range can be found [on the website](#), and samples can be requested from the individual Product pages.

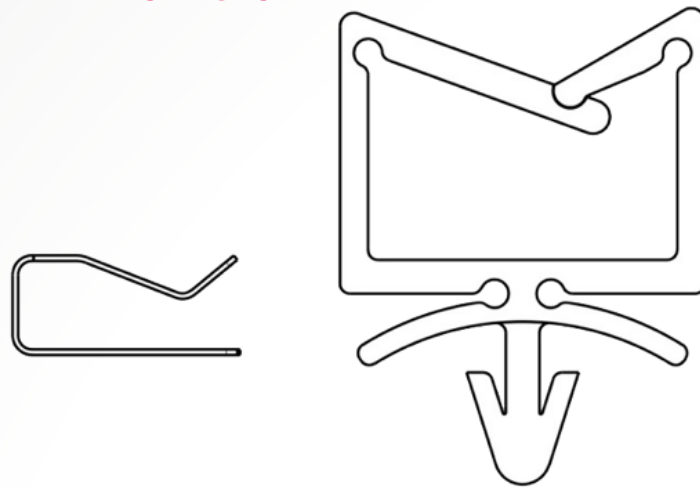
DUAL BEAMS FOR SECURE AND FLEXIBLE CABLE RETENTION



The unique metal dual beam design provides a secure, easy and flexible retention to the cables. The retaining features provide a large lead-in for the cables, making it easy to install the cables into the clips.

The tin-plated finish, provided for solderability, also provides resistance to long-term corrosion.

LOW PROFILE, SMALL FOOTPRINT – IDEAL FOR CONFINED SPACES



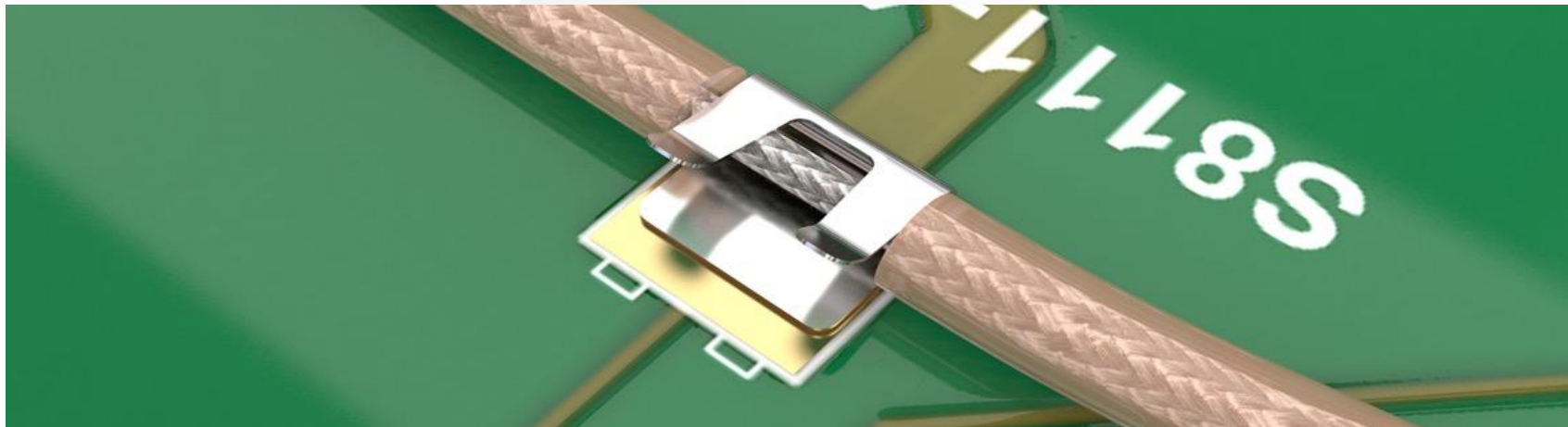
As electronic component density increases, PCB space becomes increasingly premium. These spring metal clips provide maximum cable capacity in the lowest possible profile, especially when compared to the plastic alternatives. Automated placement to the PCB permits easy orientation of the clips, making them ideal for use where close management of a cable run is required.

ACCOMMODATES MULTIPLE WIRES AND SIZES

PART NO.	COAX GROUNDING CAPACITY	INSULATED WIRE CAPACITY, BY INSULATION DIAMETER				
		0.9mm	1mm	1.5mm	2mm	3mm
S8091-46R	UL1745-DSB, RFX50-DS32-132, Ø1.32mm MINI COAX	2	0	0	0	0
S8101-46R	RG178, RG179, RG316	0	2	0	0	0
S8111-46R	RG174, RG179, RG316	0	3	2	0	0
S8121-46R		0	0	2	1	0
S8131-46R	RG58	0	0	0	3	1

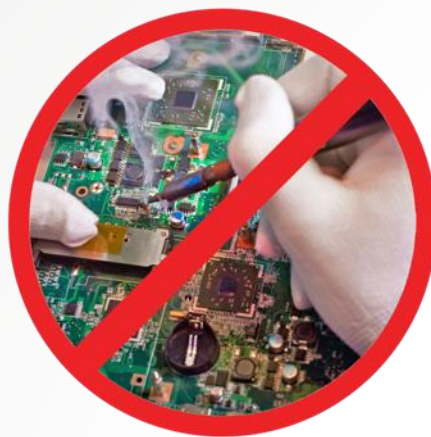
Cable Clips are comparable in price to plastic cable management products, but completely eliminate the high costs associated with manual placement of plastic clips. These novel parts provide effective cable retention, which makes them a valuable tool in reducing the high PCB cable management costs.

METAL CONSTRUCTION – CONNECT COAX TO GROUND



The unique metal construction used in a Cable Clip allows the conductive properties of the part to be utilized. By acting as a direct electrical connection to a PCB ground plane, this provides a novel and cost-effective means of connecting coax screening braid directly to ground with no additional parts or costs.

TAPE AND REEL PACKAGING



All Cable Clips are supplied on Tape and Reel packaging, making them ideal for automatic assembly to the PCB. The clips are Surface Mount, and can therefore be soldered with the rest of the SMT components. The elimination of PCB holes needed for plastic clips, combined with the associated hand assembly, make this range of parts an attractive and cost-effective solution for all application volumes.

MARKETS



Almost all markets have a requirement for cable management: this low-cost, small and secure solution is ideal for use in smaller portable devices. The unique metal design provides excellent guidance and retention reducing the risk of failure or malfunction.

- Avionics Controls
- Medical
- Robotics
- Handheld Devices
- Communications

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