



Hunter Cable Assembly Ltd

a specialist manufacturer and distributor of
cable assemblies, wiring looms and harnesses, box builds and sub assemblies

Cable Assembly Guidelines Released

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New guidelines have been released for the design and cable assembly of bottom termination components.

According to Electronics.CA Publications, the electronics industry market research and knowledge network, assemblers who have tried to resolve problems from the rapidly growing array of advanced packages are getting some help from the recent release.

The standard describes the critical design, assembly, inspection, repair, and reliability issues associated with bottom termination components whose external connections consist of metalized terminals. These terminals are a vital part of the component body.

These components, such as QFN, DFN, SON, LGA, MLP and MLF have experienced dramatic growth. The new guide provides direction for a package style that has proven difficult to manage even though its usage is now widespread.

It explain details on techniques for component placement and solder application as well as processing issues. While reflow solder printing and reflow profile recommendations are also provided.

Photos and illustrations are also included to help users understand the root causes of problems.

Those who are using or considering tin-lead, lead free, adhesives or other forms of interconnection processes for assembly of BTC-type components are expected to find the guide particularly useful.

Cable Assembly

Cable assembly requires the careful design and manufacture of cables to power a specific application, or number of linked applications. The assembler usually measures the cable to the required length, cuts them to size and then binds them with a cable harness.

This method is used where there are many cables in a system, of which connecting them all individually would be complicated and could be time consuming.

Successful cable assemblies can provide more space within an application, they are also a good mechanism for reducing the likelihood of an electrical fire from occurring, and makes it easier to identify faults in the electric system when they occur.

Visit www.hcal.co.uk for more information and to discuss your requirements in more detail.