



CASE STUDY

Contract Computer Manufacturer Requires EMI Shielding Around Display

THE CHALLENGE

A contract computer manufacturer is using an existing handmade Kapton® copper shield for EMI shielding around a display. This solution is not providing adequate shielding does not provide dielectric protection around the part.

DESIGN REQUIREMENTS

- Needs to provide shielding around a display yet provide a dielectric protection around the part.
- Desire to have a simple, low-cost shield complete with adhesive features, fold lines and grounding tape.
- Meet CISPR 22 and FCC Part 15 class B shielding limits.

KEY CUSTOMER REQUIREMENTS

- Low cost, short lead time
- Excellent EMI shielding
- UL 94-V0

CONCLUSION

Parker Chomerics Engineered Laminate solution featuring CBL-XX-3102-2400 material provided the contract computer manufacturer exactly what they required.

The laminate has pressure sensitive adhesive (PSA) for ease of application and can be soldered if necessary. The part can also be cut on a high speed rotary die cut machines for increased material yield and stable labor costs.

THE SOLUTION

Parker Chomerics offered an Engineered Laminate solution featuring CBL-XX-3102-2400 material. The copper offers excellent shielding and can be soldered to if necessary. The .0762mm thick PVC provides a thin dielectric for easier folds and is still UL 94 V0.

The part has PSA tape along the material flow axis of our rotary die cutting machine, so product throughput is high and the customer gets the adhesive they requested.

