



ACES Electronics Co., Ltd.

Wire to Board Connector for Narrow Boarder Notebook

SOURCE Slimmate 51328/51329 Series



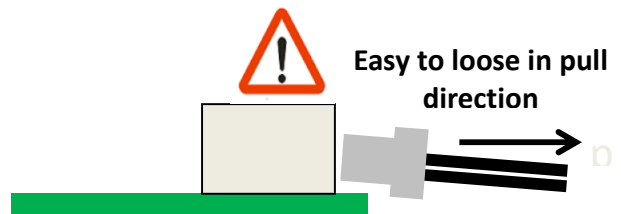
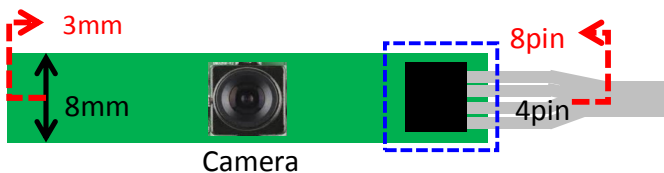
OVERVIEW

Notebook frame continues to get narrower in design and more powerful function in camera module. ACES Slimmate series has created a need for a new style of connector that offers a very small wide size and has maximum pin counts for camera module.

Slimmate WTB is a 1.85mm low profile and 0.4mm fine pitch wire to board connector. It 's designed for extremely small PCB space which requires multiple pin counts application.

CHALLENGES

- Narrower connector size in width & height to meet narrower camera module PCB
- Avoid connector loose during operation
- Clear and easy mating sound



SERVICES PERFORMED

- Customized design
- Offer CAE data before tooling start
- Offer mold flow analysis before tooling start
- Offer Reliability testing report
- Auto production line

Results

- Current : 0.5A(per pin)
- Teflon Cable AWG#36
- Low profile & compact size
- Easy & clear clicking mating sound
- Vertical insertion to avoid the risk of conn. loose
- Solder wicking prevention
- New design for WTB connector and stacking cable
- Patent No.: M542279

