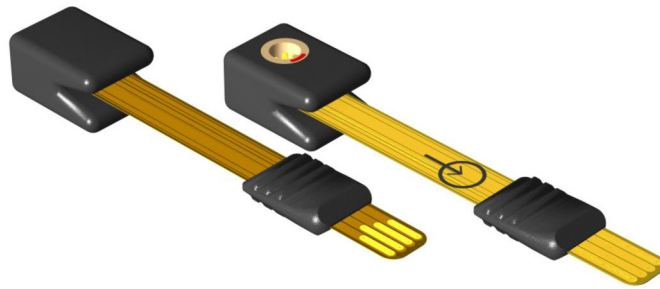


Technical Bulletin



CS 54 Flex Adaptor Improved Flexibility, Reliability and Marking

Sonion is pleased to announce that we have improved the flexibility, reliability and marking properties of our CS 54 Flex Adaptor.

- This has been achieved by changing the green flexible solder resist layer on the backside of the flex into a polyimide (KAPTON) film and by removing the conductor track on the backside of the flex. The consequence of this change is that the conductor tracks are now located exactly in the middle between the polyimide layers, where there is minimum stress when bending the flex.
- To improve the orientation of the CS 54 Flex Adaptor during insertion into the hearing instrument, an 'Electrical Input' symbol, according to the IEC 118-11, 5.6 standard, has been printed on the flex as shown on the picture above.
- Based on field feedback, it has also been decided to discontinue the production of the CS 54 version with capacitors molded into the finger grip.

The Sonion part number of this new version, which is available as from February 2002, is 5054-1054330.

Morten Wagner
Product Line Manager
Medical Division