



Ultrafine High Reliability Flux-Cored Lead-Free Solder Wire SN100C(030)

Extra Fine Coaxial Harnessing in Cell Phones
(Solder usage example)



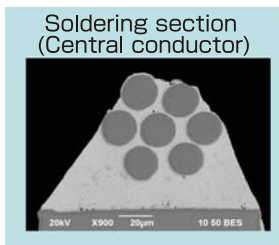
SN100C(030)



Sn-3.0Ag-0.5Cu

Soldering conditions

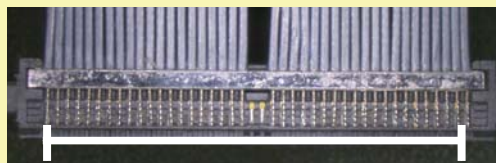
- Introducing 0.1 mm diameter lead-free solder wire
 - SN100C(030)
 - Sn-3.0Ag-0.5Cu(Competitors)
- Ultrafine coaxial cable
 - 25m silver-plated copper central conductor and 7 strand sheath
- Ultrafine coaxial connector wire
 - 0.3mm pitch 40-pin connector
 - Terminations: Phosphor bronze with Electroless Ni+ Immersion Au finish
- Soldering method
 - Pulse heat method (Peak temperature of about 300°C)



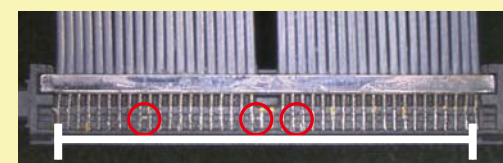
Close up of soldered joint

Good spread and good pull-back results in fewer bridges.

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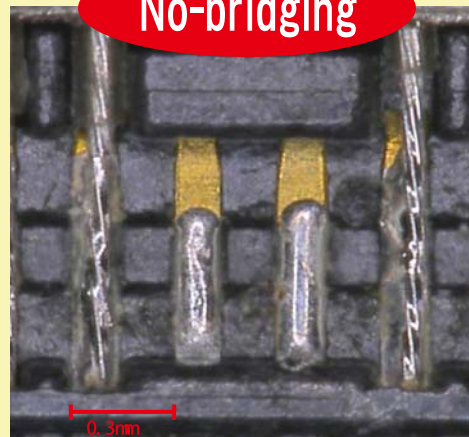
Sn-3.0Ag-0.5Cu



○ : Bridging Area

Enlarge

No-bridging



Non-wetting

Bridge

