

DS9098P iButton™ Retainer

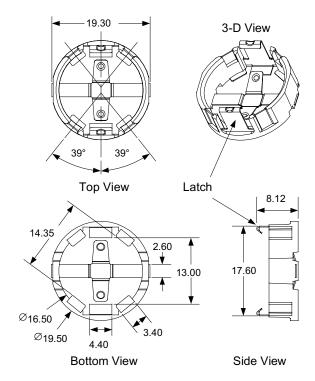
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FEATURES

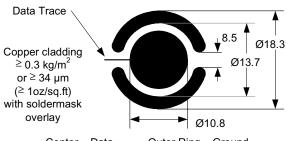
- Compact receptacle for F5 iButton mounting
- Fully backward-compatible to DS9098
- Contacts are stainless steel with selective tinlead plating for optimal solderability to printed circuit board
- Retainer to <u>i</u>Button connection is stainless steel to stainless steel
- Withstands up to 250°C for surface mounting
- Double redundancy of contacts (2 plus 2)
- Contact force exceeds 200 grams for reliable connection
- Prevents reversed insertion
- At insertion, the <u>i</u>Button is latched for retention
- The <u>iButton</u> pops up for removal when latch is released
- Gentle deflection of latches allows removal of the iButton
- >25 insertion/withdrawal cycles with no performance degradation
- Compatible with standard pick and place equipment
- Cleaning fluids drain freely for quick clean up

ORDERING INFORMATION

DS9098P-TRL Tape & Reel, 220 parts per 13 inch reel



Recommended Printed Circuit Layout Pads



Center – Data Outer Ring – Ground All dimensions are in millimeters.

DESCRIPTION

The DS9098P <u>i</u>Button Retainer is a low-cost, surface-mount device to secure an F5 <u>i</u>Button on a printed circuit board. It consists of three metal pieces (two for GROUND, one for DATA) molded into a body of black, heat-stabilized, 30% glass fiber reinforced Nylon 46.

When inserting an <u>i</u>Button into the DS9098P, closely align axis of the <u>i</u>Button and the retainer. The retainer then latches the flange of the <u>i</u>Button. At removal, limit deflection of retainer latches to just free the <u>i</u>Button edge from retained state. Avoid applying excess force to latches.

The DS9098P is only available on tape & reel. The tape specifications match those of 68-lead PLCC devices except for the deeper pockets and tape-feed sprockets on either side of the 44 mm tape. Alignment pedestals keep the part oriented on tape with the latches adjacent to the sprockets.