

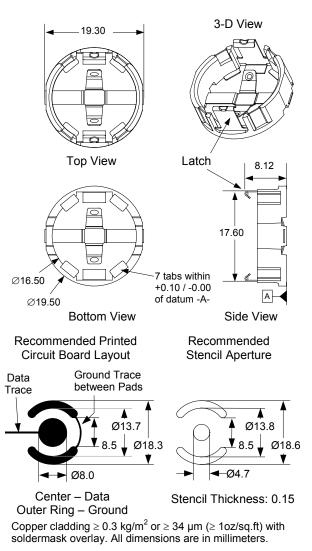
## FEATURES

- Compact Receptacle for F5 <u>i</u>Button<sup>®</sup> Mounting
- Fully Backward-Compatible to DS9098
- Contacts are Stainless Steel with Selective 100% Matte Tin Plating for Optimal Pb-free Solderability to PCB
- Retainer to iButton 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 2N for Reliable Connection
- Prevents Reversed Insertion
- At Insertion, the <u>i</u>Button is Latched for Retention
- The <u>i</u>Button Pops Up for Removal When Latch is Released
- Gentle Deflection of Latches Allows Removal of the <u>i</u>Button
- > 25 Insertion/Withdrawal Cycles with No Performance Degradation
- Compatible with Standard Pick and Place Equipment
- Cleaning Fluids Drain Freely for Quick Cleanup

## **ORDERING INFORMATION**

| PART         | DESCRIPTION                            |
|--------------|--|
| DS9098P-TRL+ | Tape and reel, 220 parts per 13in reel |

+Denotes a lead(Pb)-free/RoHS-compliant package. TRL = Tape and reel.



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## 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 PCB. It consists of three metal pieces (two for ground, one for data) molded into a body of black, heat-stabilized, glass fiber reinforced liquid crystal polymer. 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 and 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 44mm tape. Alignment pedestals keep the part oriented on tape with the latches adjacent to the sprockets.

## **REVISION HISTORY**

| REVISION<br>DATE | DESCRIPTION  | PAGES<br>CHANGED |
|------------------|--|------------------|
| 022008           | Added coplanarity specification of contact tabs to the data sheet (only affects graphic)   |                  |
|                  | Minor formatting adjustments (only affects graphic)  | 1                |
|                  | Changed "30% glass fiber reinforced Nylon 46" to "glass fiber reinforced liquid crystal polymer"                                 |                  |
| 8/09             | Added lead(Pb)-free status to the Ordering Information PART information  | 1                |
| 2/12             | Changed the third bullet in the <i>Features</i> from "tin-lead plating" to "100% matte tin plating" for lead(Pb)-free compliance | 1                |

2 of 2 Maxim cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a Maxim product. No circuit patent licenses are implied. Maxim reserves the right to change the circuitry and specifications without notice at any time.