



DS9092 iButton Probe

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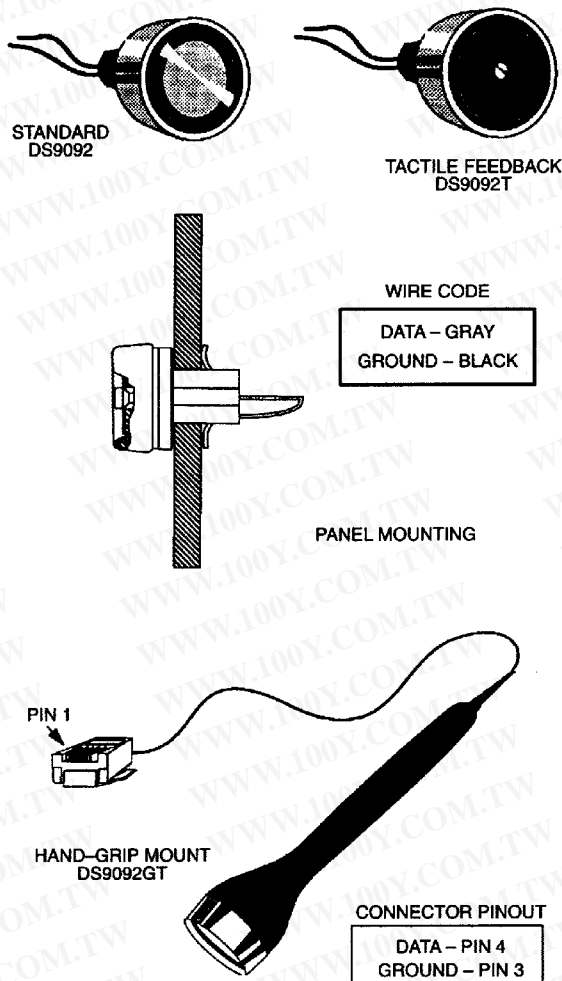
FEATURES

- Simple, low-cost metal stampings form a read/write probe for the iButton® family
- Probe guides the entry of the iButton
- iButton slides over the surface to self-clean contacts
- Accessible shallow probe cavity simplifies removal of debris such as mud
- Flexible design supports panel mount or hand-grip mount with optional tactile feedback
- Bright tarnish-resistant metal surface provides millions of operations
- Panel-mount probe, pre-wired for easy installation
- Hand-grip probe mates to RJ-11 jack for quick installation
- DS9092 probes both F3 and F5 cans. Extra consideration is required for operation with the F3 can. The attachment method of the F3 can must not interfere with the cavity dimensions of the probe, otherwise the data signal will not make contact.

ORDERING INFORMATION

DS9092	Panel-mount probe, solid face
DS9092T	Panel-mount probe with tactile feedback
DS9092GT	Hand-grip mount with tactile feedback

PACKAGE DESCRIPTION



DESCRIPTION

The DS9092 iButton Probe provides the electrical contact necessary for the transfer of data to and from the DS19xx family of iButtons. The round probe shape provides a self-aligning interface that readily matches the circular rim of the iButton's MicroCan package. Metal contacts resist wear and are easy to keep clean.

The DS9092 is available with a flat faceplate (standard) or with optional tactile feedback. The center contact of the standard reader has no moving parts, making this a more rugged interface for harsh

Both types of probes are available in a panel-mount version. The tactile feedback probe is also available in a grip-mount version. The panel-mount probes are fastened behind the panel with a push-on type spring nut.

The two 15 cm 22AWG wires are provided for easy connection to the system microcontroller. The hand-grip mount probe comes attached to a 10 cm handle and 1-meter cable which is terminated with an RJ11 jack.

Technical drawing of a probe assembly. The drawing shows a cross-section of the probe with the following dimensions and labels:

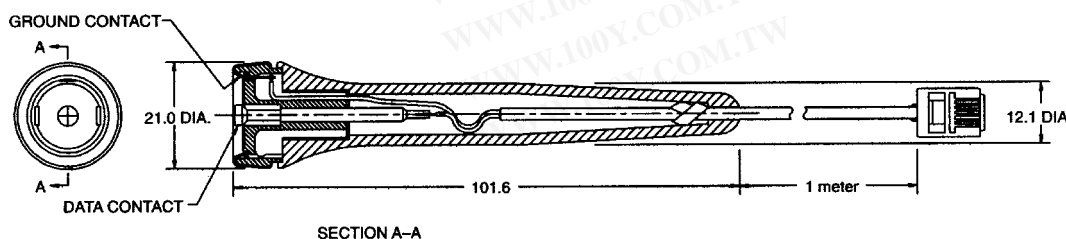
- DATA CONTACT 12.7 DIA**: Label for the top contact point.
- 16.5 DIA.**: Dimension for the diameter of the probe body.
- 21.0 DIA**: Dimension for the overall diameter of the probe head.
- GROUND CONTACT**: Label for the bottom contact point.
- 1.9**: Dimension for the thickness of the probe tip.
- 10.1**: Dimension for the length of the probe tip.
- 22.3**: Dimension for the total length of the probe.
- MOUNTING POST 9.5 DIA**: Label for the mounting post.
- 18.3 DIA**: Dimension for the diameter of the mounting post.

Technical drawing of the connector assembly showing dimensions and labels:

- DATA CONTACT**: 4.0 DIA.
- GROUND CONTACT**
- MOUNTING POST**: 9.5 DIA.
- Dimensions**: 21.0 DIA., 16.6 DIA., 10.1, 22.3, 40.1, 2.7, 18.3 DIA.

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OPTIONAL HAND-HELD WAND Figure 3



DS9092GT