Contact Probes Overview

Overview
Contact Probes can be used in connection tests of all electronic circuits.

How to Use
Probe fit appropriate receptacles in the mating holes drilled in a baffle or other plastic plate. If the mating holes are loose, use appropriate accessories (e.g., 1/8"-14 UNC) to fill the gap. After press-fitting, wire the receptacles. If it is needed to be adhered, do not solder past the stopper in the receptacle. After wiring, insert Contact Probes. Pressing plungers for too hard may cause damage to the tip or internal components of Contact Probes and result in performance degradation.

It is recommended to make several tests under operational environments to determine performance degradation. After wiring, insert Contact Probes. Pressing plungers too hard may cause bending or breaking of the receptacles. If wires need to be soldered, do not solder past the mating hole. If the mating holes are loose, use appropriate adhesives (e.g., Loctite, etc.) to fill the gap. Press-fit a mount the Contact Probes can be used in connection tests of all electronic circuits.

Contact Probes Tip Shapes and Patterns

Overview

Soldering Types

- C Type
- NR68 Types

Receptacle End Shapes

- Solder and Chimp Types

- Terminal Mounted Type

General Environmental Conditions

- Operating Temperature: 0°C ~ 45°C, Humidity 35% or Less
- Operating Atmosphere: Pure air, corrosion-resistant and other components, etc., wherein the contact probe may not be contaminated.

Stroking Conditions

- Apply force to the outer surface only and not apply lateral load.
- Do not apply over specified strokes.
- Do not apply over specified strokes.

- Voltage Application Conditions

Apply voltage only after the connection is made at a specified position in a static state.

- Current Application Conditions

Apply long-term current driving, with irregular or, in open state, wherein the contact subject to the condition and voltage applied, resulting in the lifetime of Contact Probes.

- Receptacle Mounting Base

Use an appropriate mounting base to mount the Contact Probes.

- Allowable Current

Amperage current provided in the catalog is the maximum continuous current for 1 min under the conditions as shown above (broader environment, static, current and voltage applied).

- Resistance

Resistance value provided in the catalog is the representative value as shown above (broader environment, static, current and voltage applied). Usage current between various ranges and voltages may cause some resistance increase.

- Spring Pressure

Spring pressure conditions can be changed depending on operating environments and conditions including resistance increase and spring pressure decrease. Replace Contact Probes considering actual applications and environmental conditions.

- Spring Pressure

- Contact Probe Tip Shapes and Patterns

Pattern A

Pattern B

Pattern C

Pattern D

Pattern E

Pattern F

Pattern G

Pattern H

Pattern N

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