

# Induction Welding for HDMI and USB

United Induction Heating Machine Limited

We are experienced in Induction Heating, induction heating machine, Induction Heating equipment. They are widely used in induction heating service, induction heat treatment, induction brazing, induction hardening, induction welding, induction forging, induction quenching, induction soldering, induction melting and induction surface treatment applications  
<http://www.uihm.com>

## 1 high-frequency welding

1.1 principle: the principle of electromagnetic effects in the alternating magnetic field

Metal inside the material rapidly induced significant vortex

Induction heating equipment.

1.2 Advantages: energy saving, and no high-voltage electric shock hazard, fast heating, volume

Small size, light weight, easy to install.

Disadvantages: power is not easy to control (vehicle positioning requires high).

## 1.3 Application examples:

High-frequency welding industry applications:

diamond tools, carbide cutting tools, welding;

all kinds of metal steel - steel, steel - copper, copper - copper equivalent metal or different

Kinds of metal high-frequency welding;

metal material hardening, annealing, quenching and tempering, tempering and other heat treatment;

metal hot forging, heat molding;

powder metallurgy sintering and metal smelting;

other field that need to be heated to metal;

organic coating curing;

of monocrystalline's heating stretch;

hdmi welding      hdmi welding result



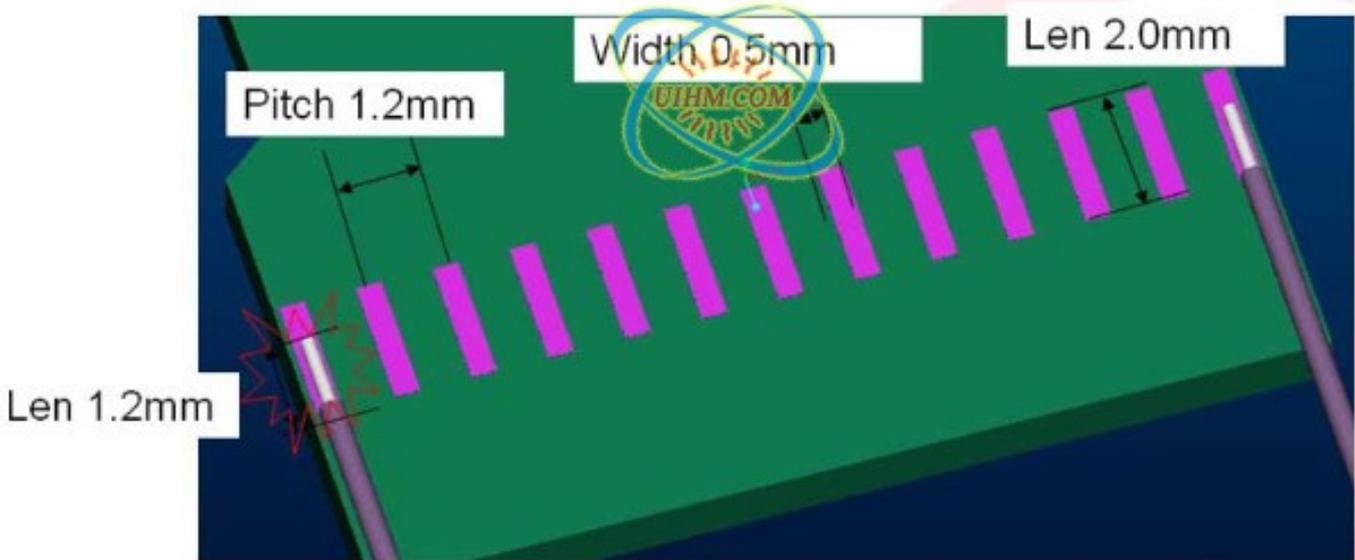
PCB:

Thickness 1.08mm, Pitch = 1.2mm,

Weld PAD Width=0.5mm, PAD length=2.0mm Workpiece length=1.2mm

32AWG Teflon wire:

OD=0.40mm, OD=0.24mm;



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