

## 简介

本用户手册主要讲述芯片与烧录转接板的接线说明。

- 本用户手册适用芯圣全系列芯片。
- 相关数据手册、工具及技术文档下载网址：<http://www.holychip.cn/>。

注：

- 1、接线示意图中的红线表示用户需要将红线相连的两个引脚使用 0 欧电阻短接。
- 2、用户也可以将转接板上的引脚全部焊接上排针，烧录不同型号时按照示意图使用跳线帽短接。
- 3、FLASH/TOUCH 芯片的 1 引脚与转接板上的 1 引脚对应摆放。

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# 1、 LINK V4.0/PM51 引脚图

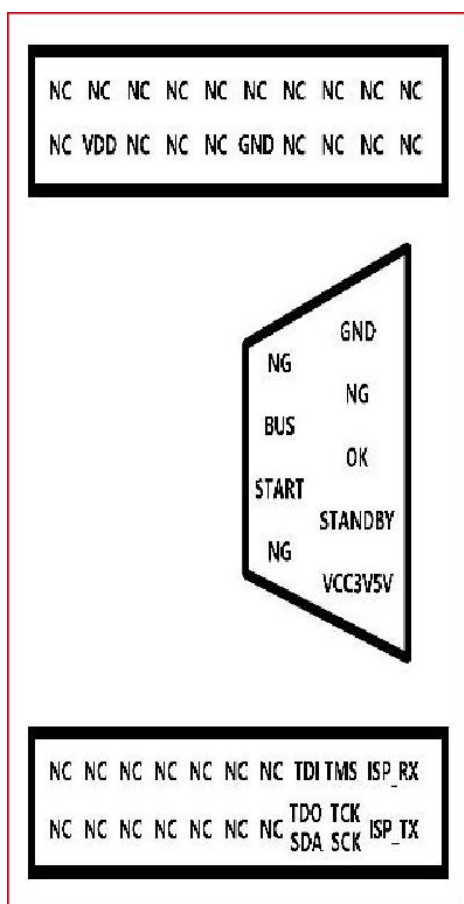
JTAG 烧录引脚：VCC/VDD、TMS、TCK、TDO、TDI、GND

SWD 烧录引脚：VCC/VDD、SCK、SDA、GND

ISP 烧录引脚：VCC/VDD、RX/ISP\_RX、TX/ISP\_TX、GND



HC-LINK V4.0 脚位图



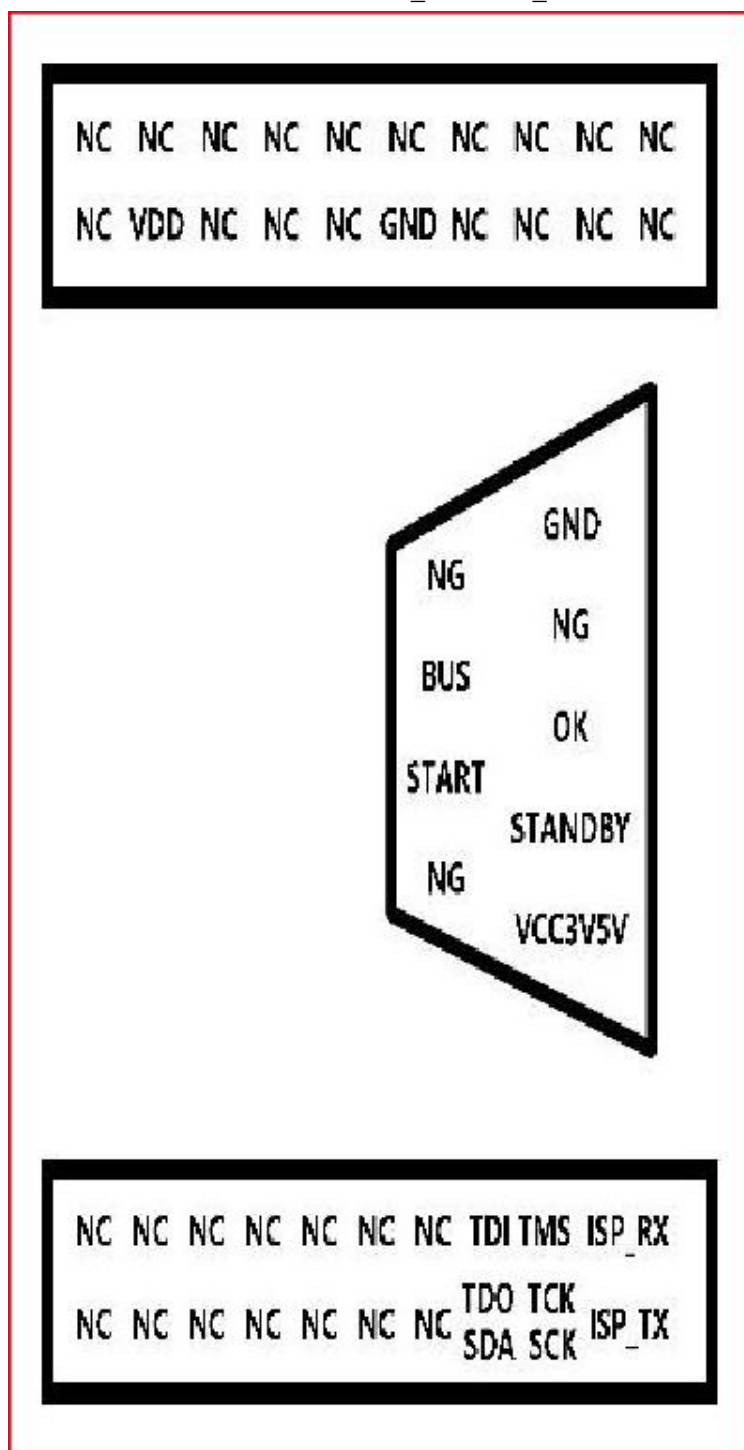
HC-PM51 V5.0 引脚图

## 2、FLASH

JTAG 烧录引脚: VDD、TMS、TCK、TDO、TDI、GND

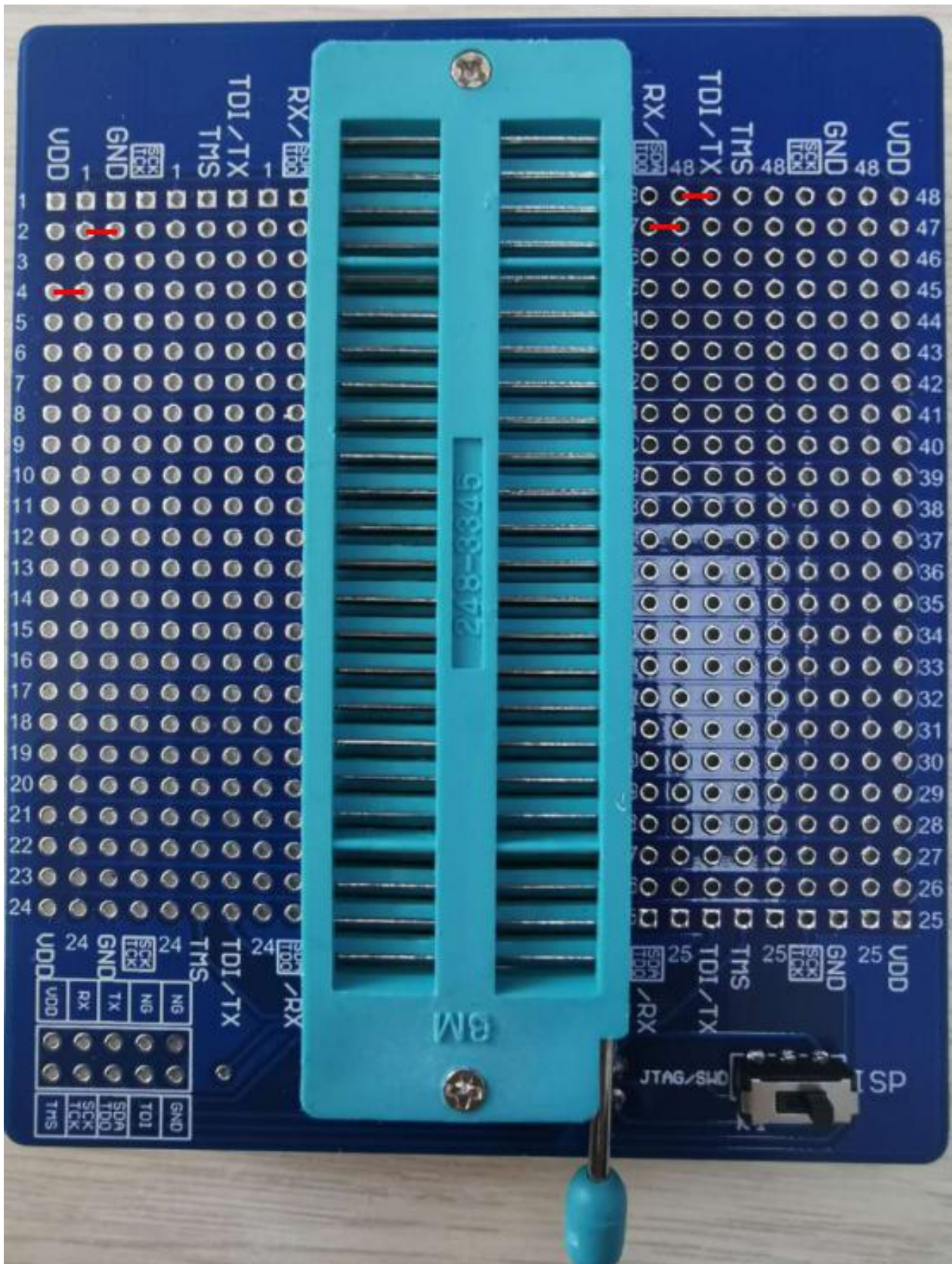
SWD 烧录引脚: VDD、SCK、SDA、GND

ISP 烧录引脚: VDD、ISP\_RX、ISP\_TX、GND



HC-PM51 V5.0 引脚图

## 2.1 HC89S001P-SOP8-ISP



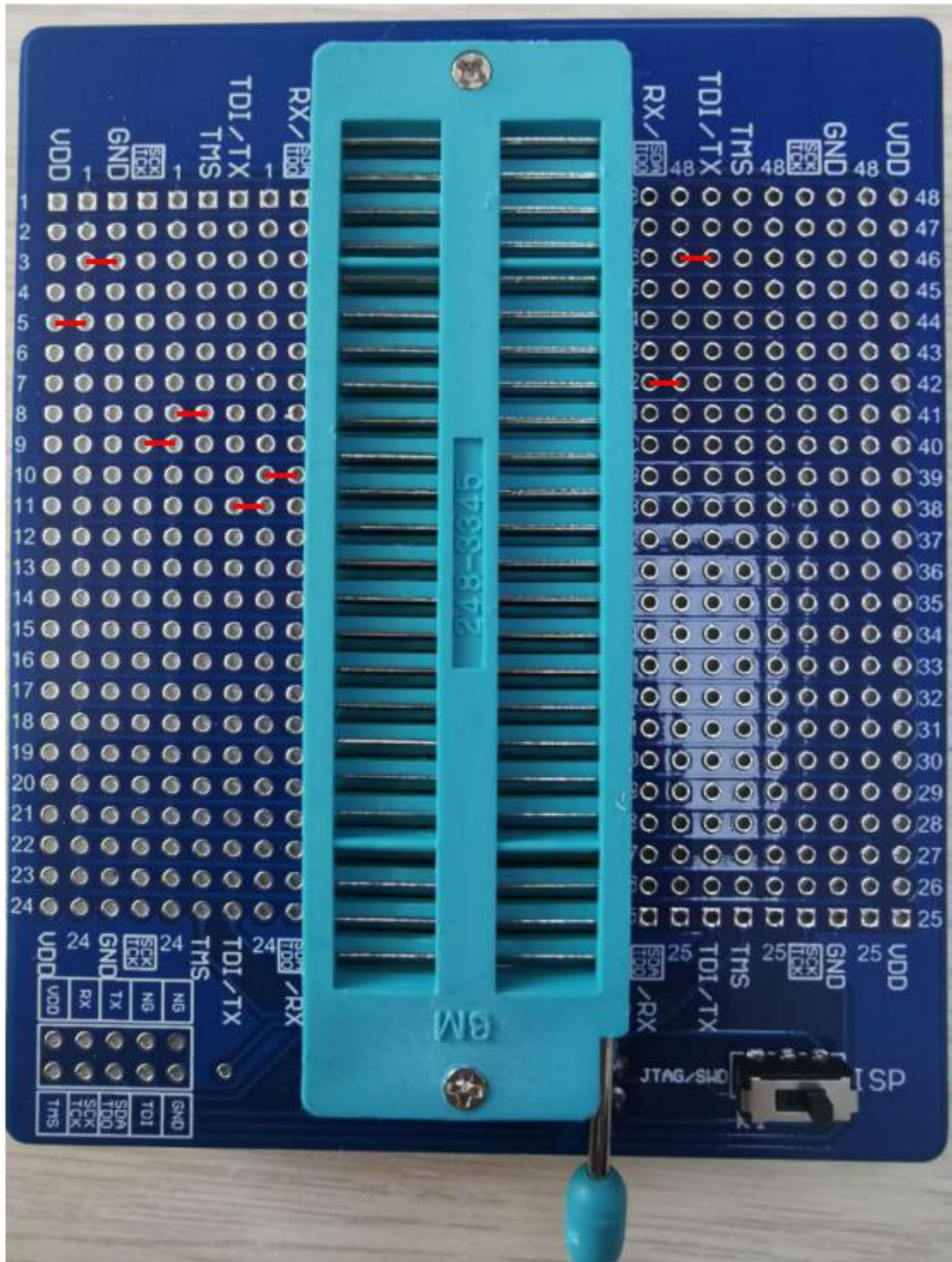


## 2.2 HC89S003F4-TSSOP20-ISP&JTAG



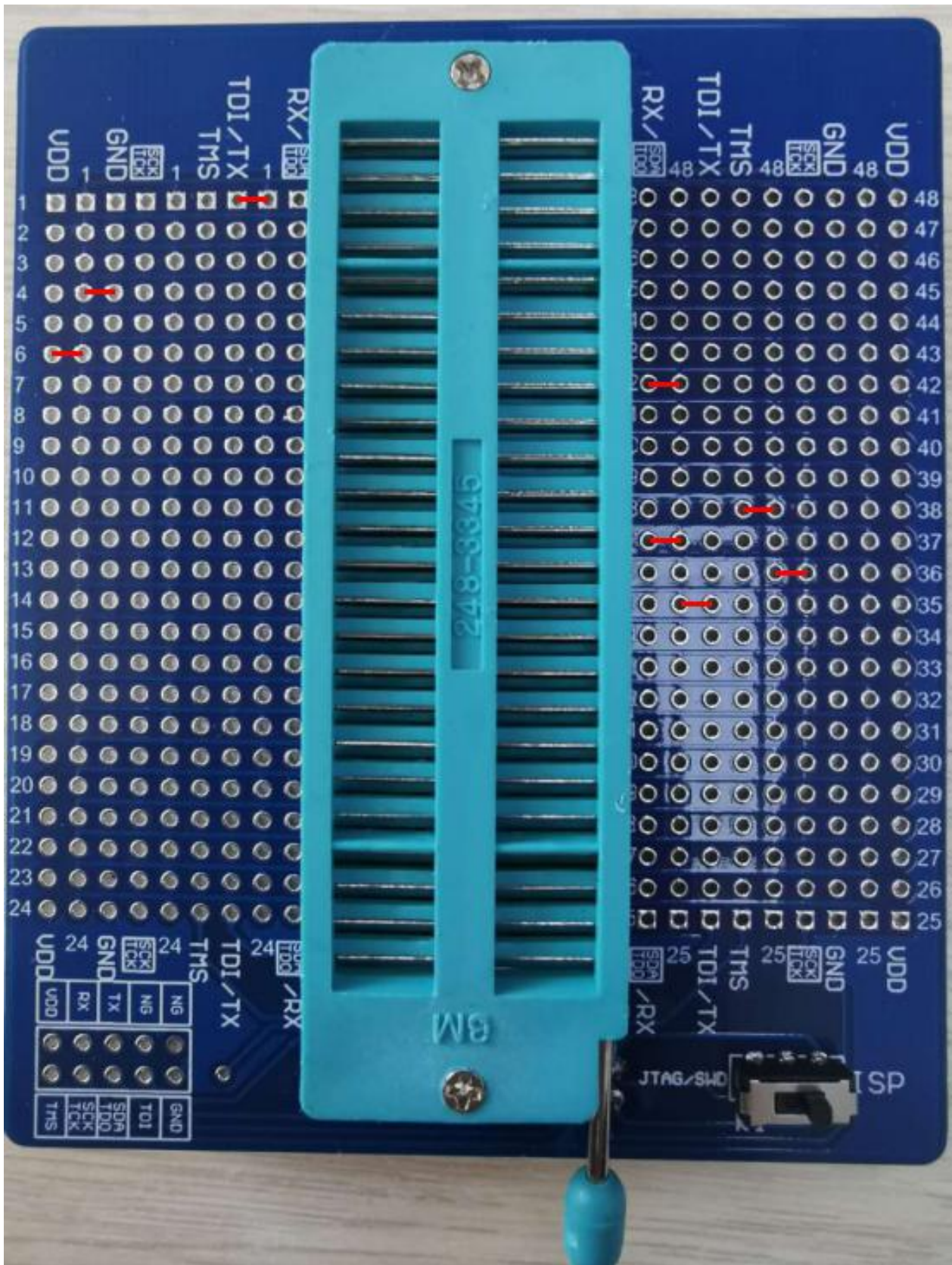


## 2.3 HC89S003F4-QFN20-ISP&JTAG



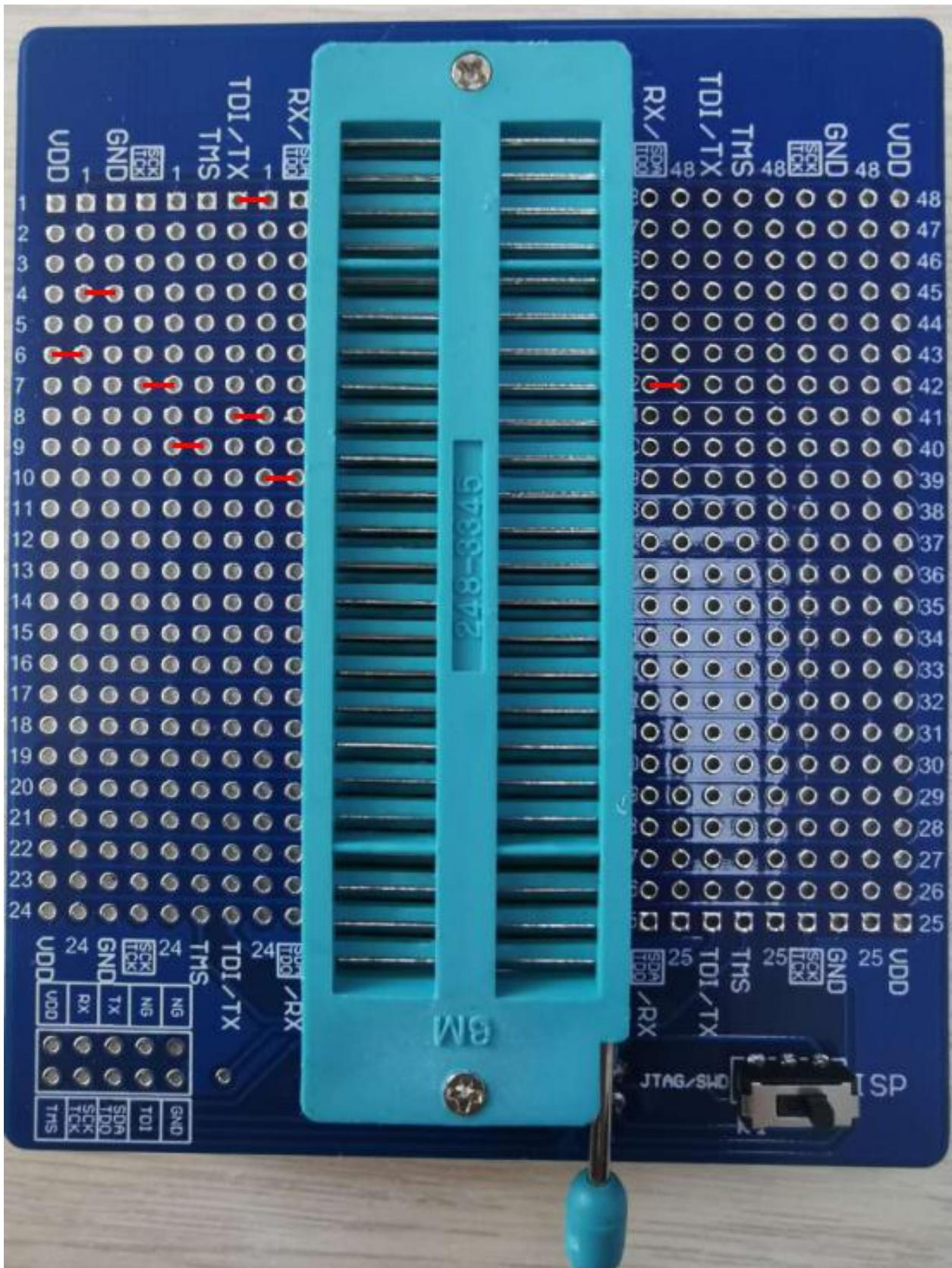


## 2.4 HC89S103K6-LQFP32-ISP&SWD&JTAG



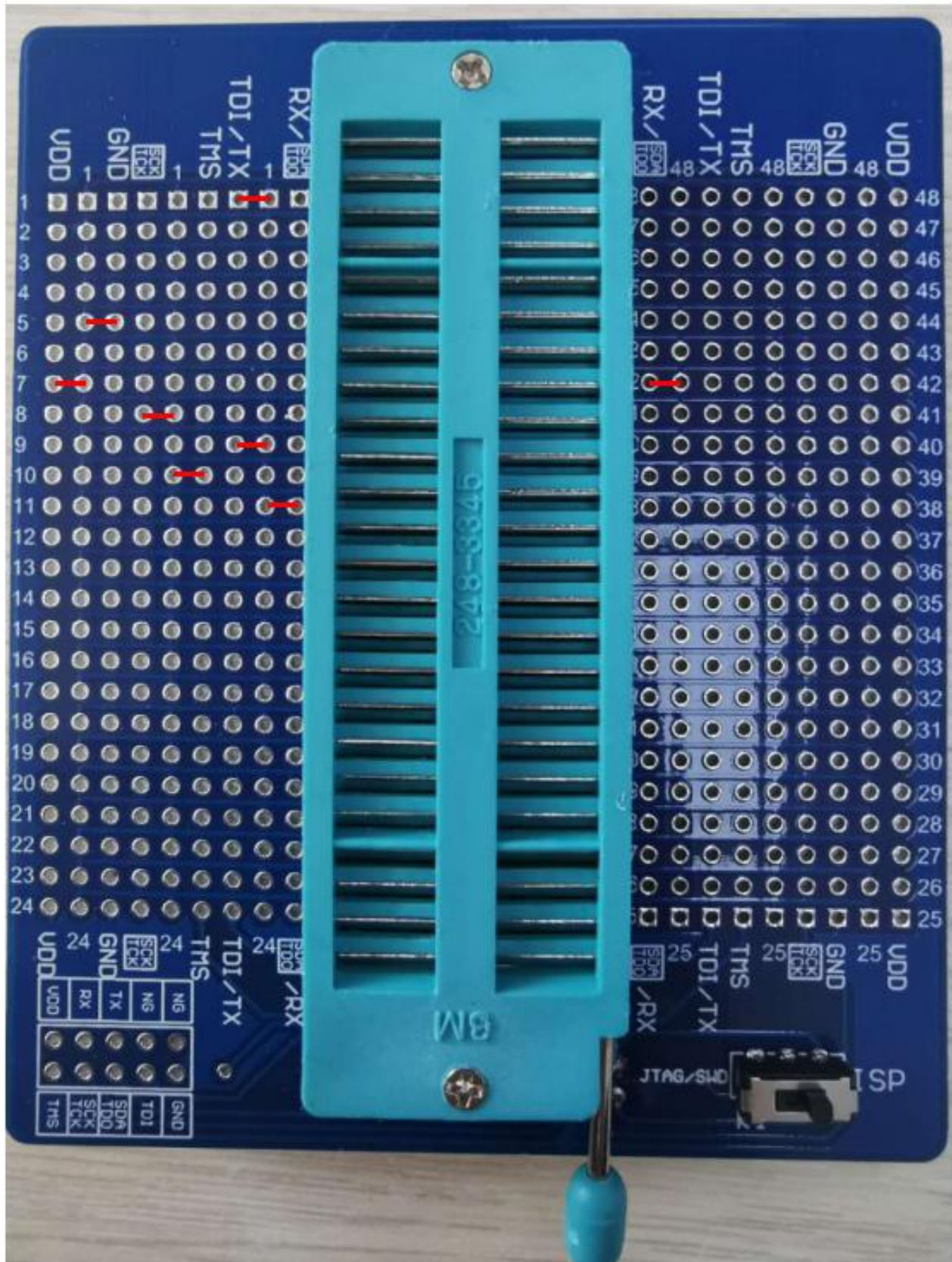


## 2.5 HC89S105K8-LQFP32-ISP&JTAG



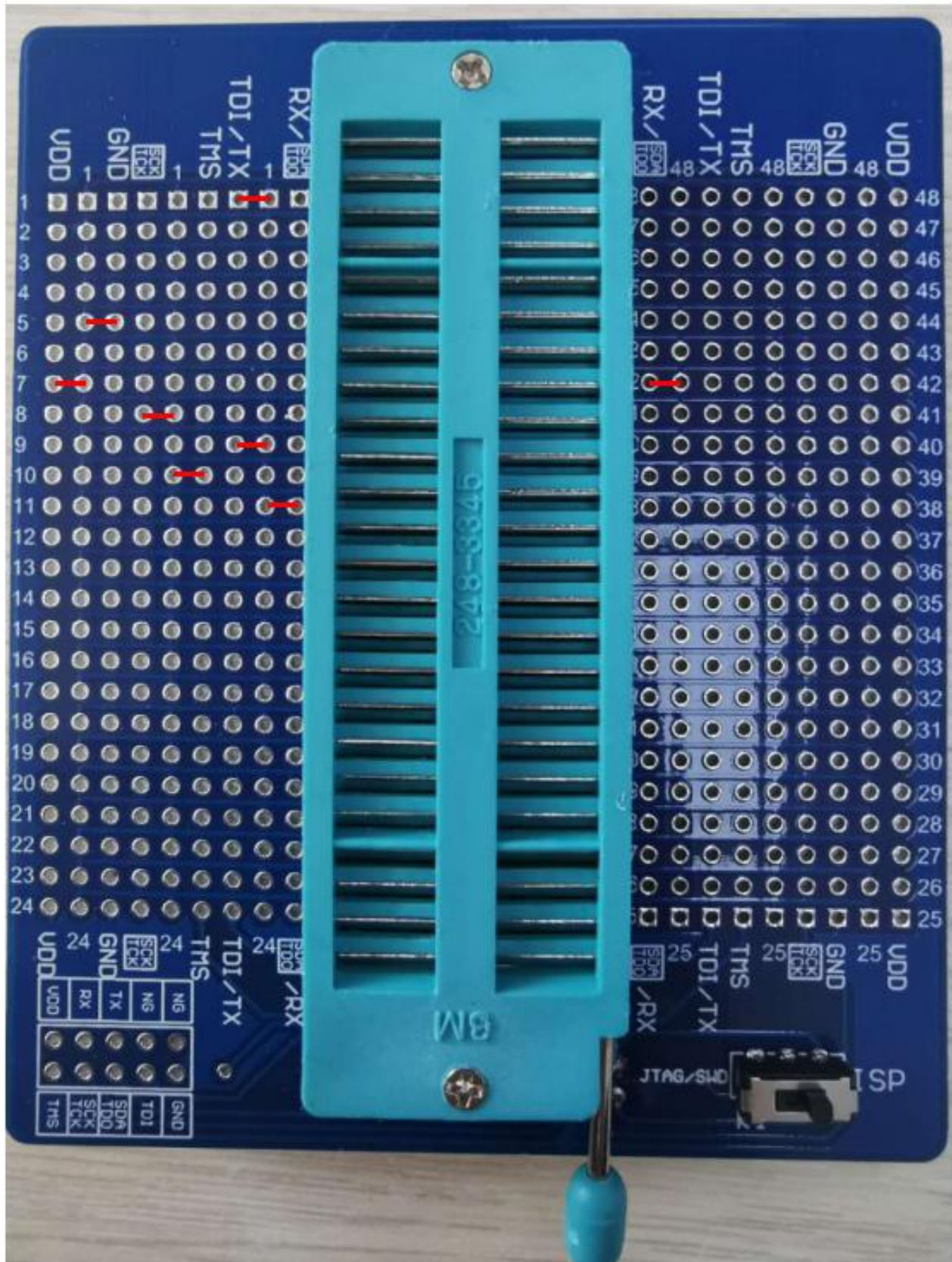


## 2.6 HC89S105S8-LQFP44-ISP&JTAG



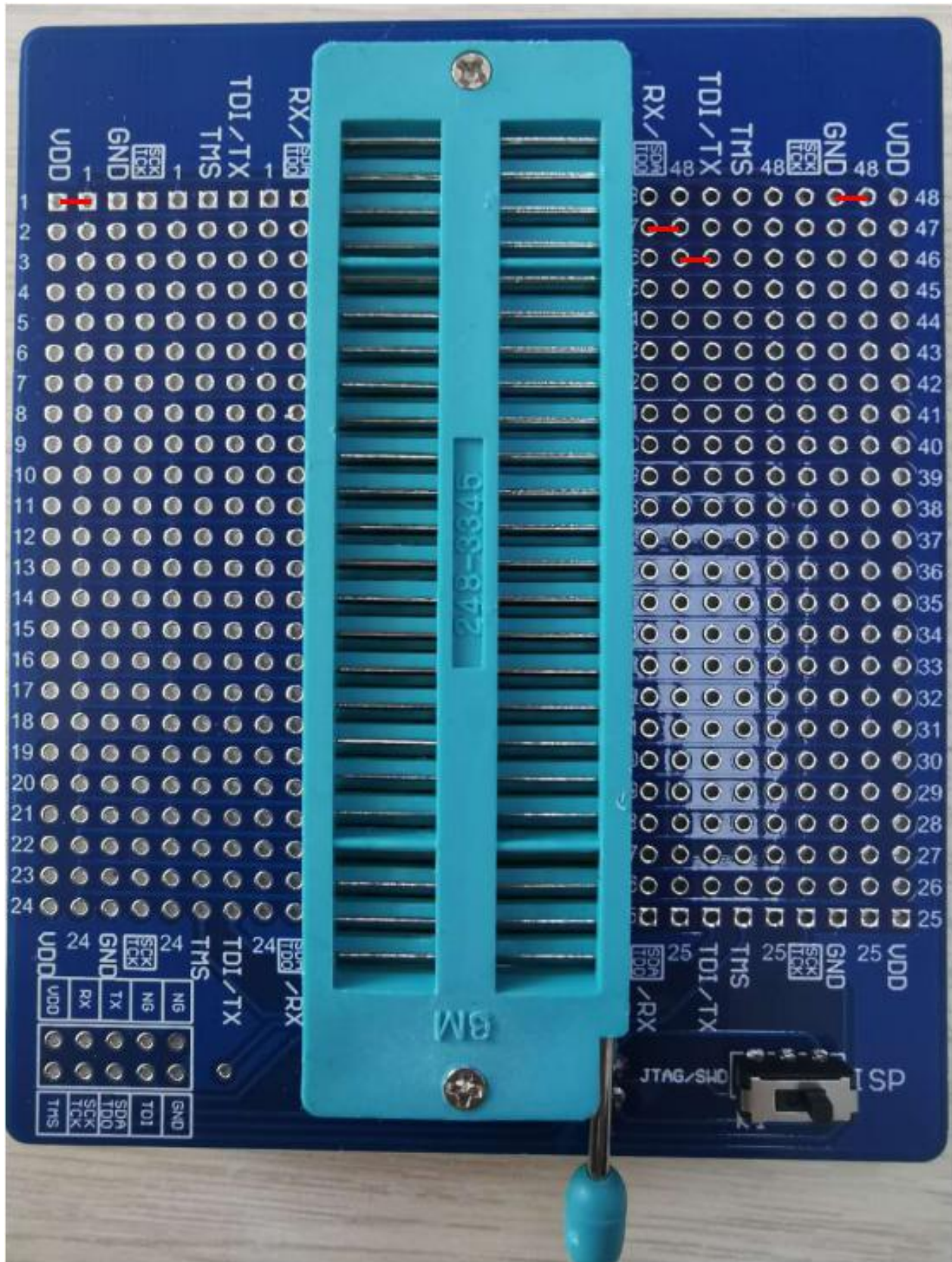


## 2.7 HC89S105C8-LQFP48-ISP&JTAG

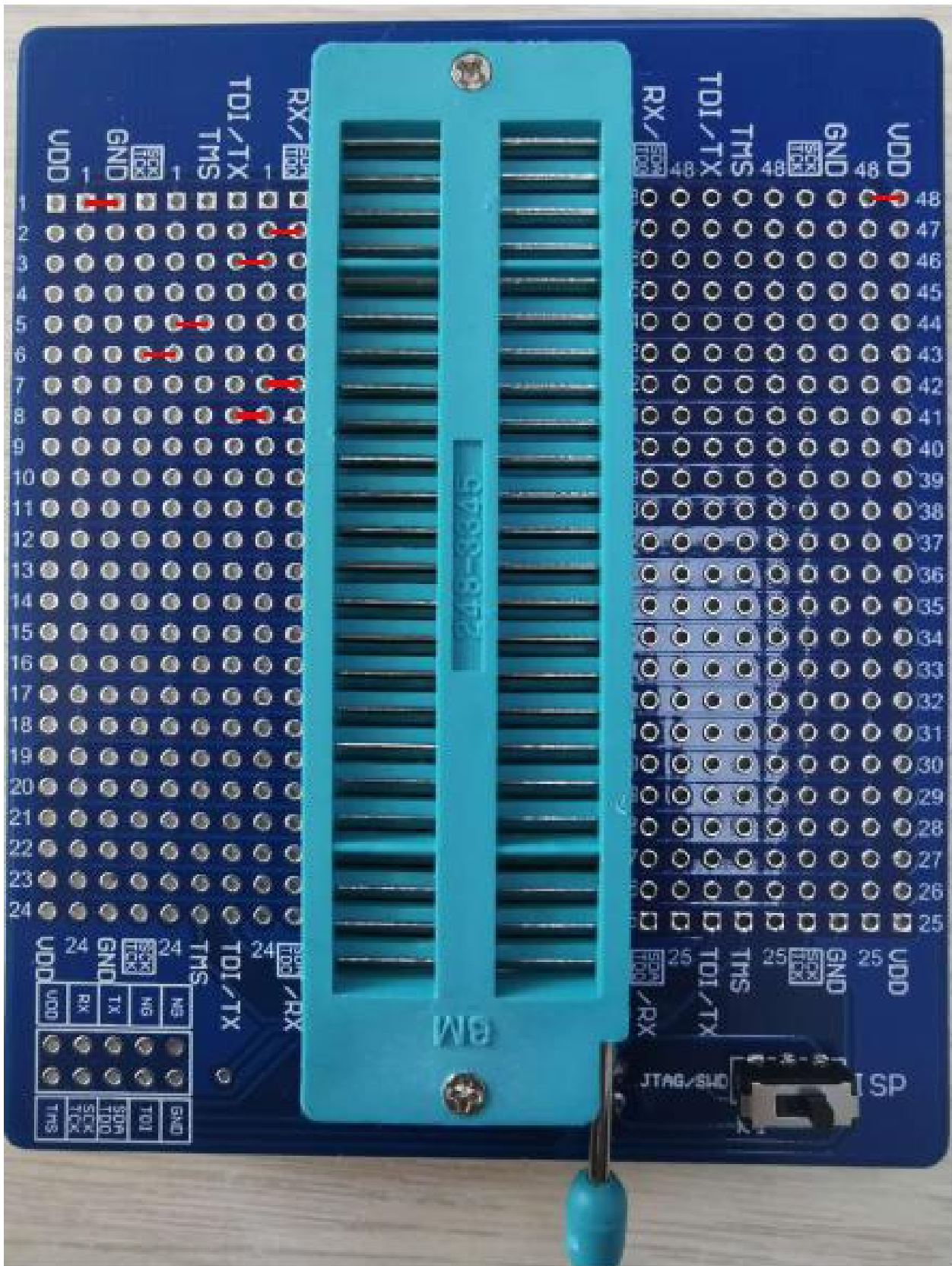




## 2.8 HC89F0411P-SOP8-ISP

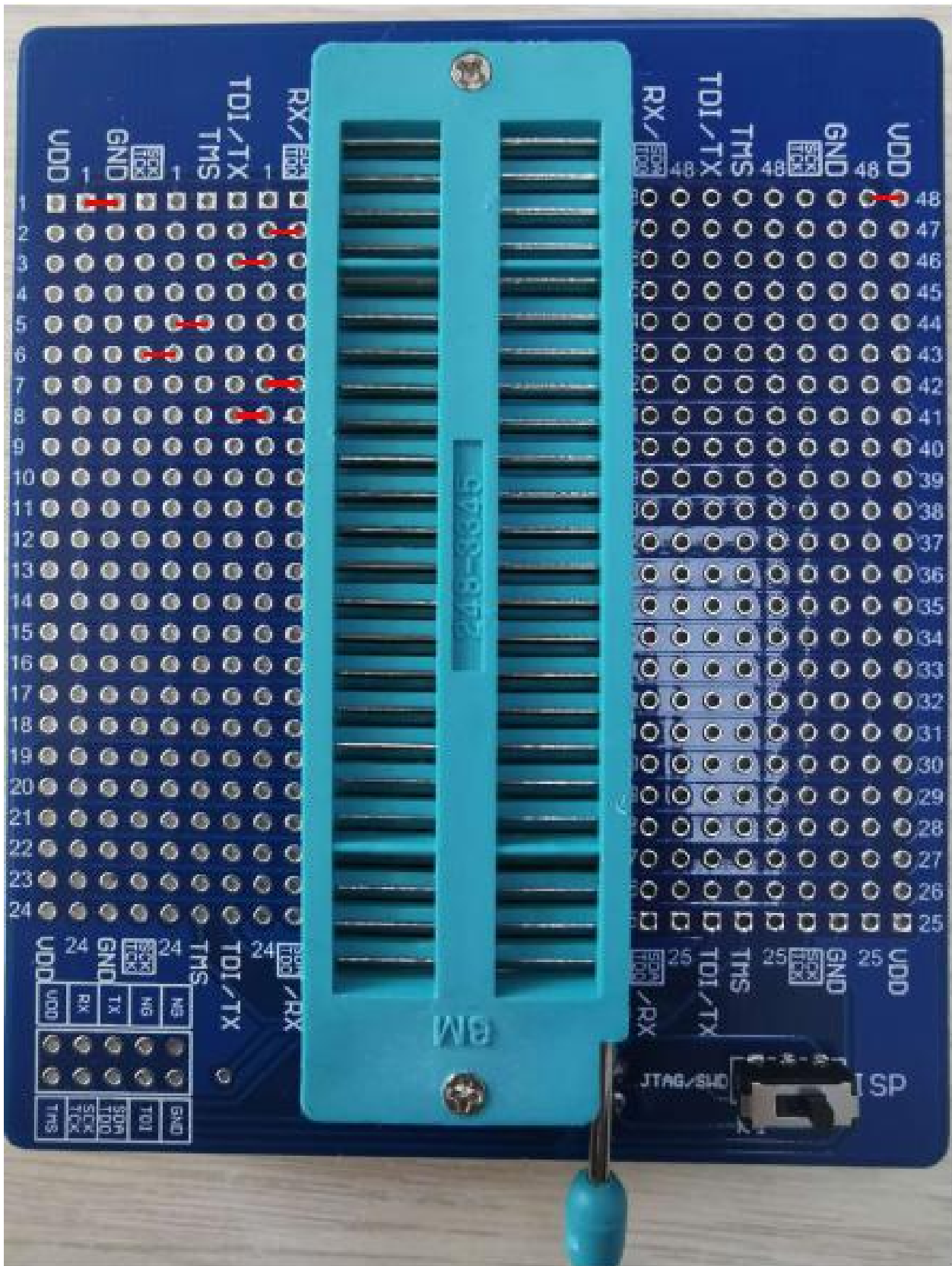


## 2.9 HC89F0421-SOP16-ISP&JTAG

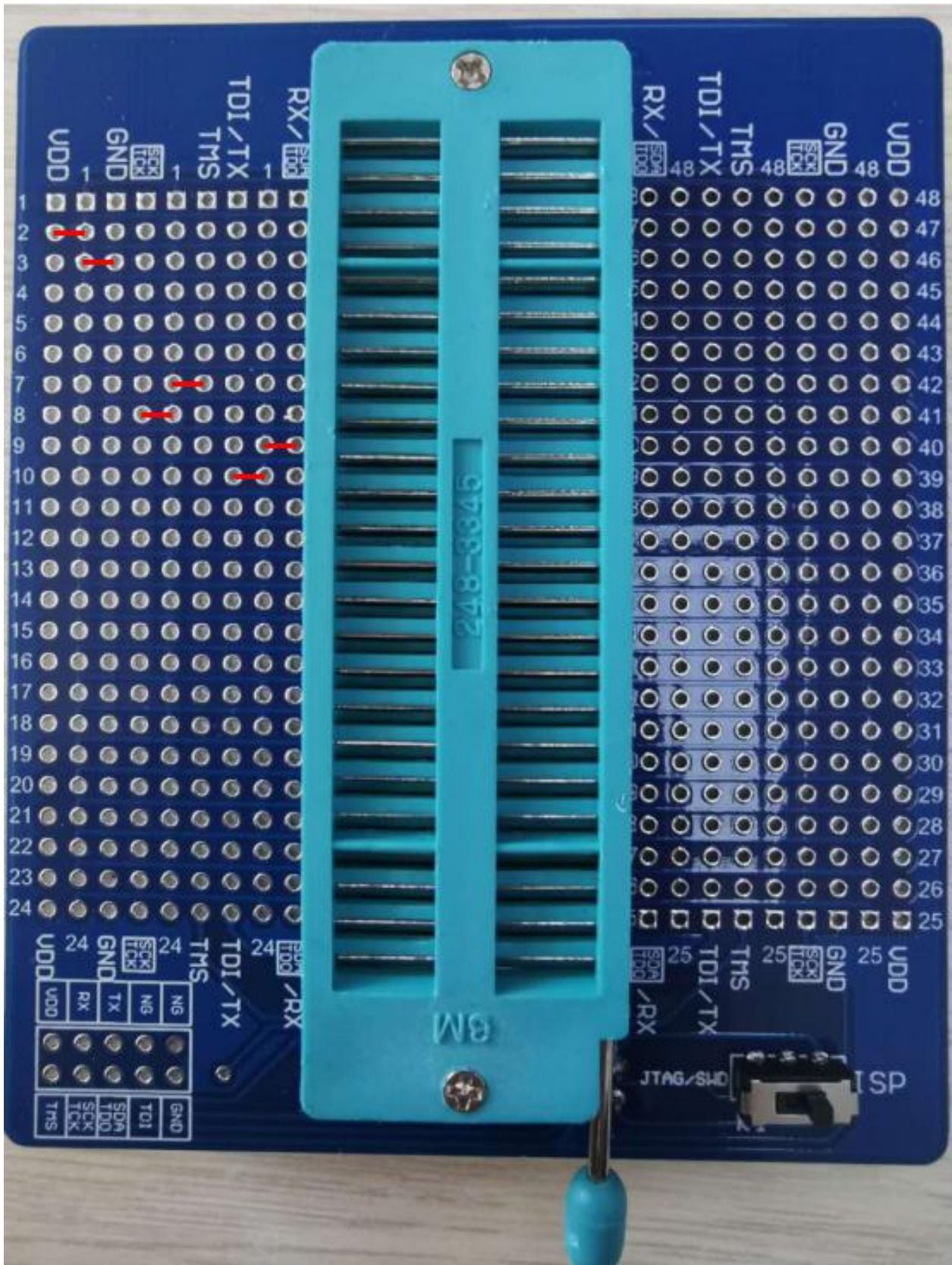




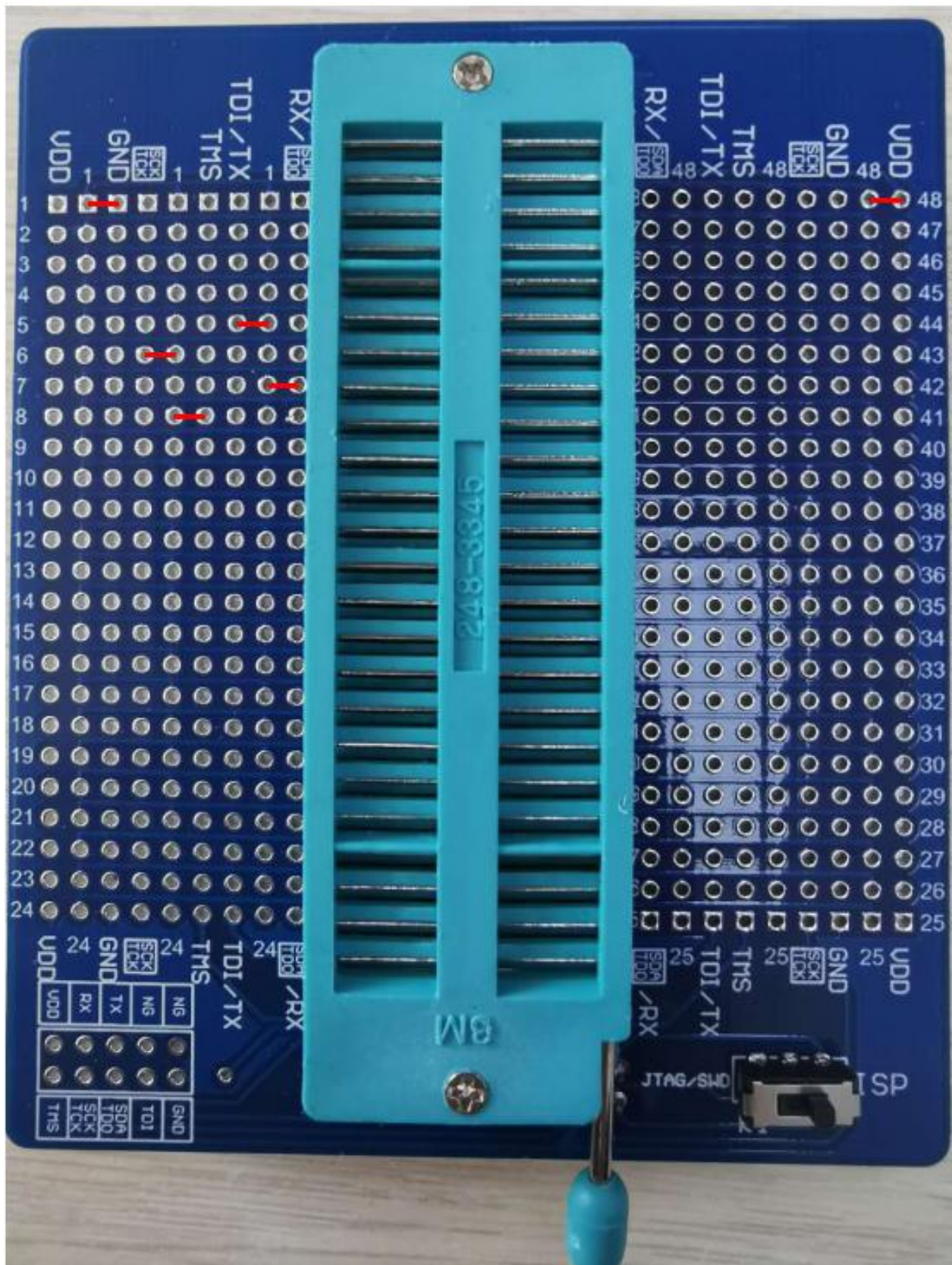
## 2. 10 HC89F0431-SOP20/TSSOP20-ISP&JTAG



## 2.11 HC89F0431-QFN20-JTAG

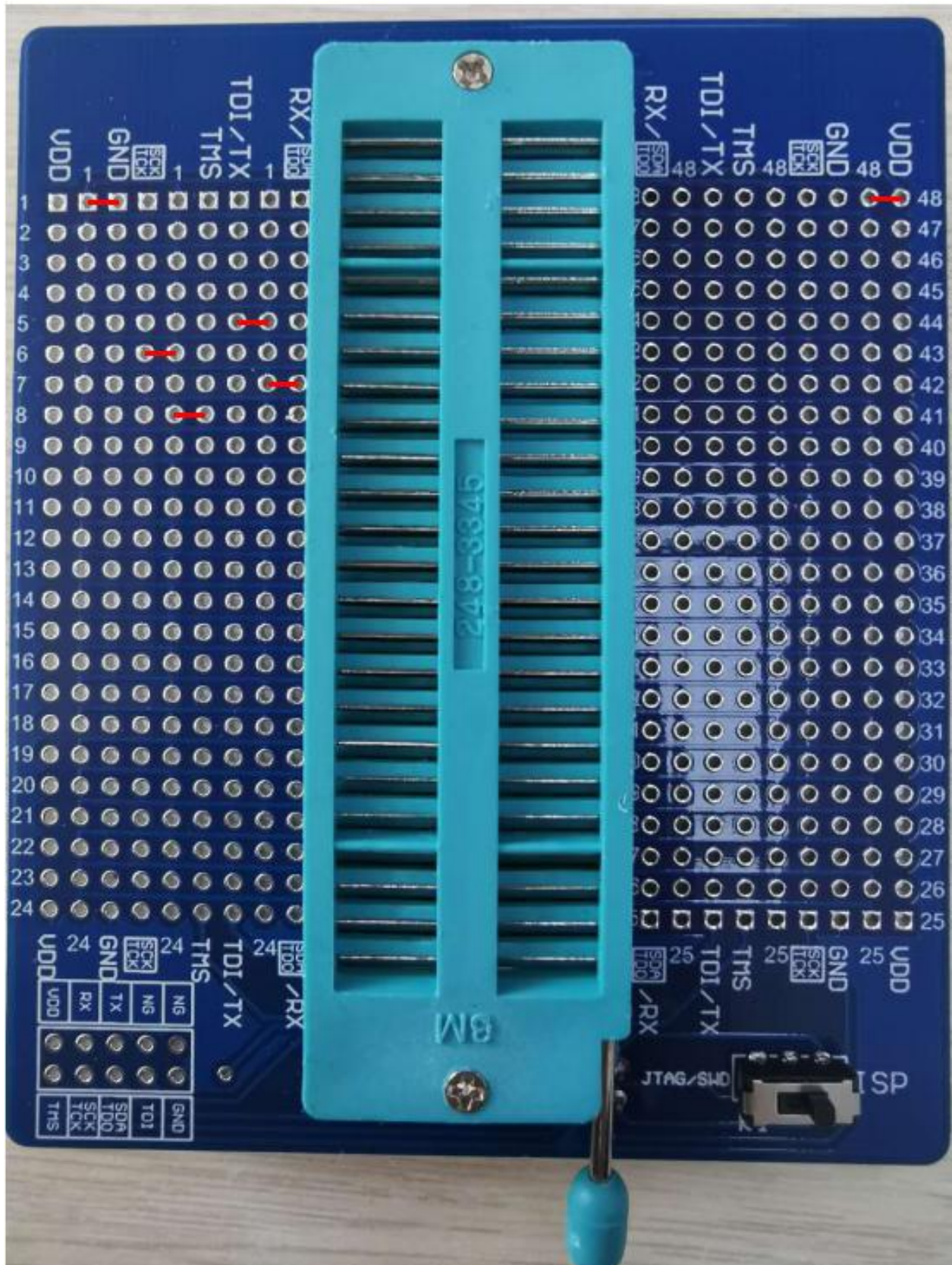






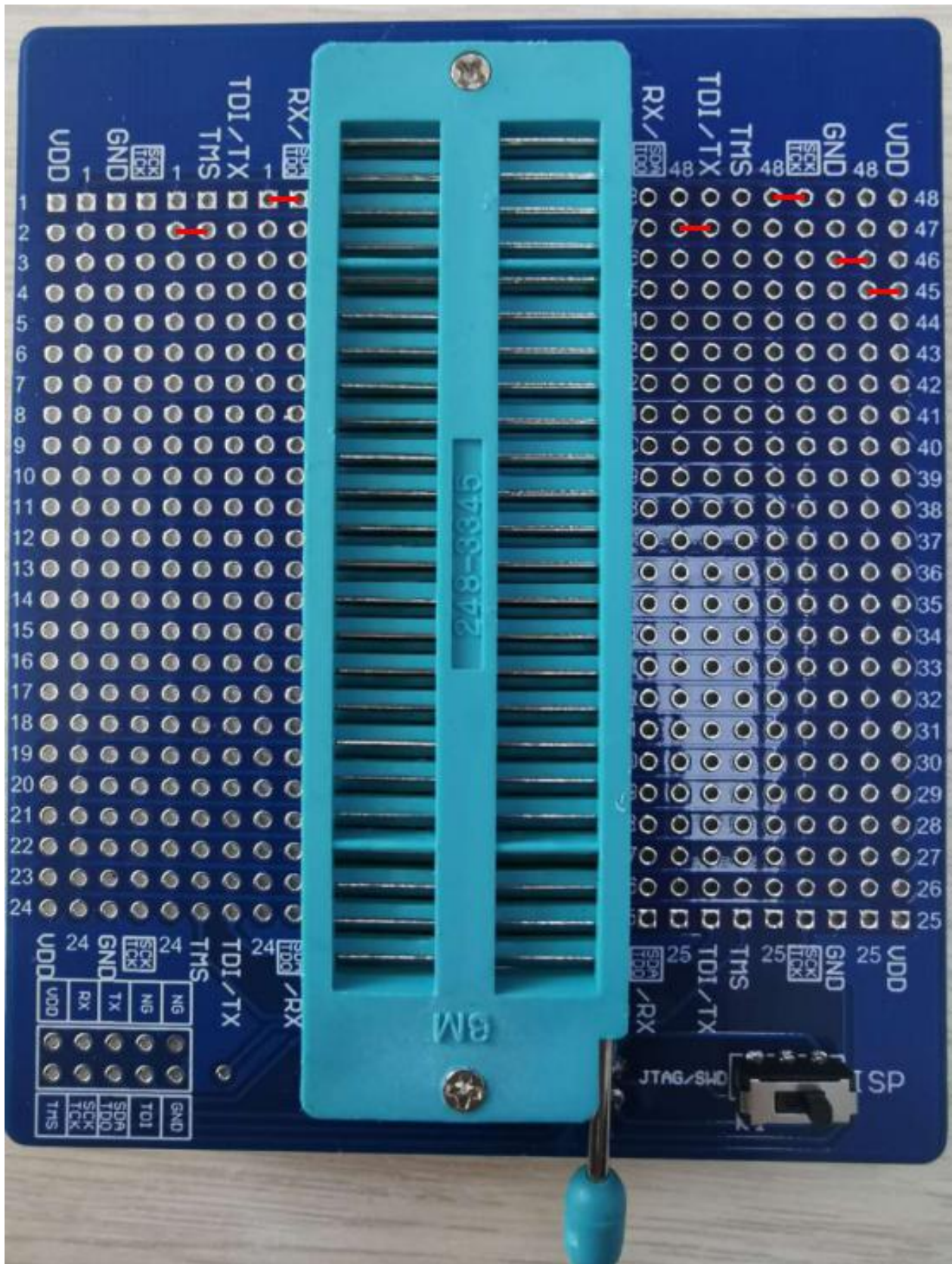


## 2.13 HC89F0531-SSOP24-SWD&JTAG



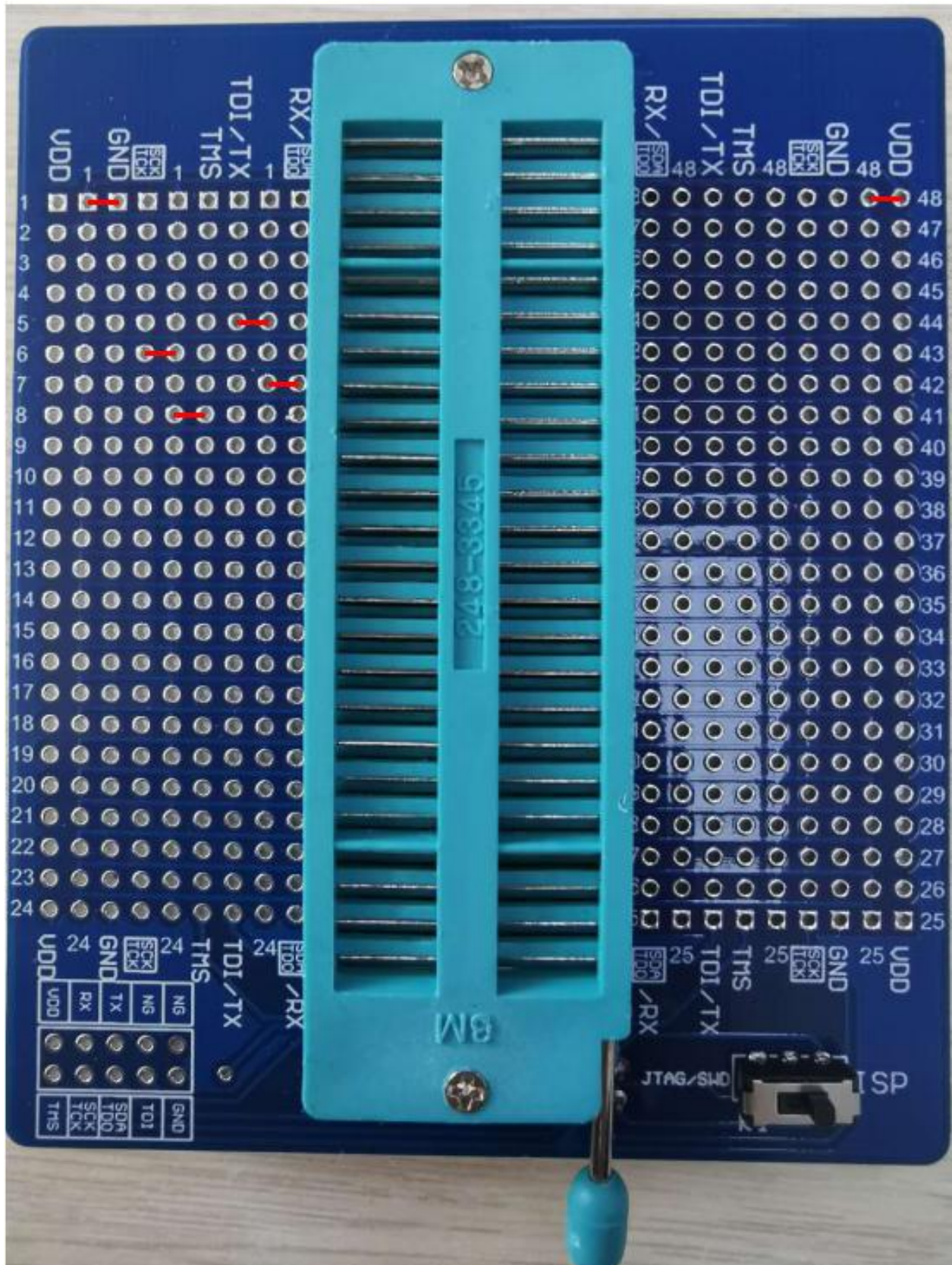


## 2. 14 HC89F0531-QFN24-SWD&JTAG





## 2. 15 HC89F0541-SOP28/SSOP28-SWD&JTAG



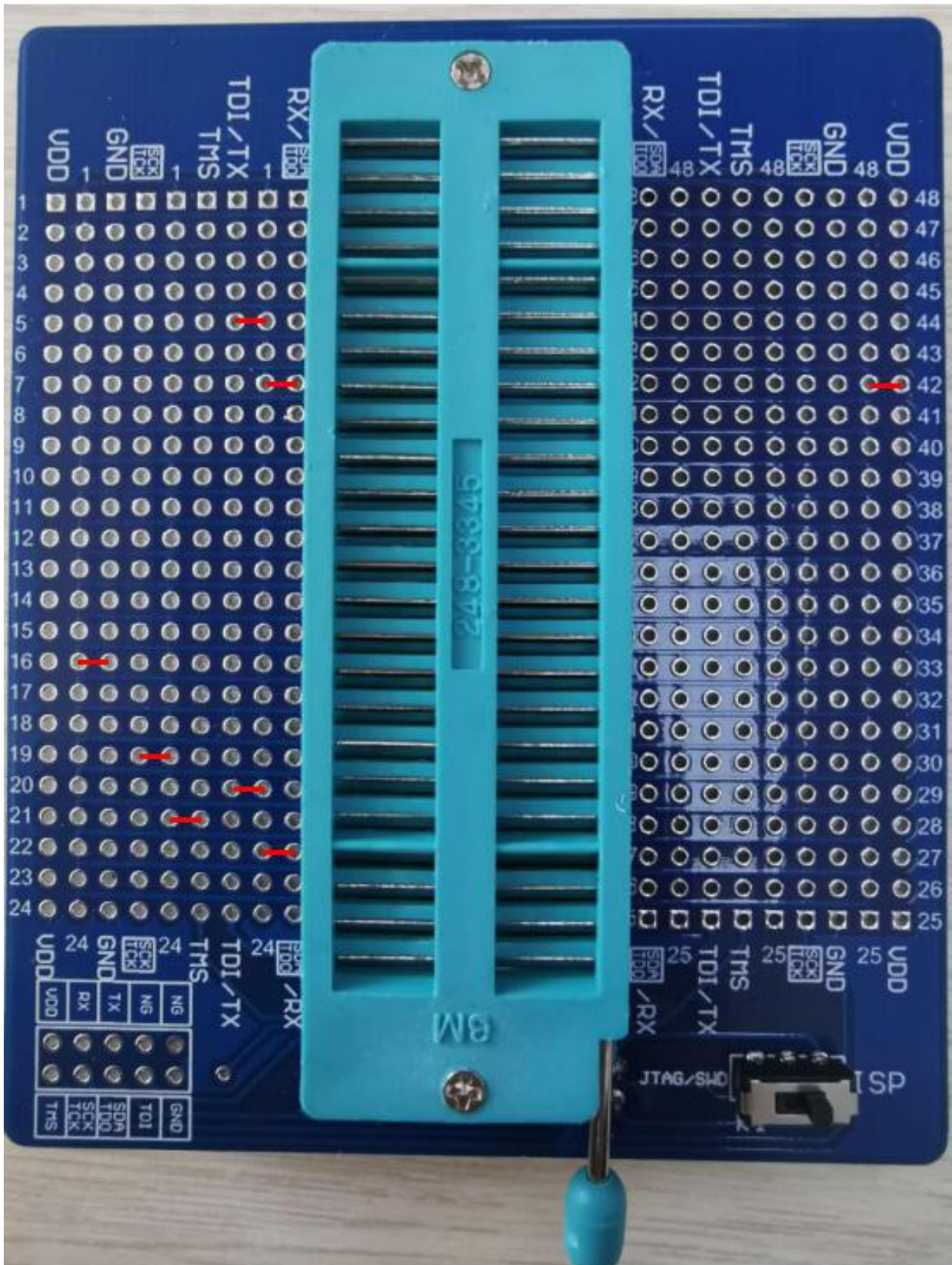


## 2. 16 HC89F0541-LQFP32/QFN32-SWD&JTAG



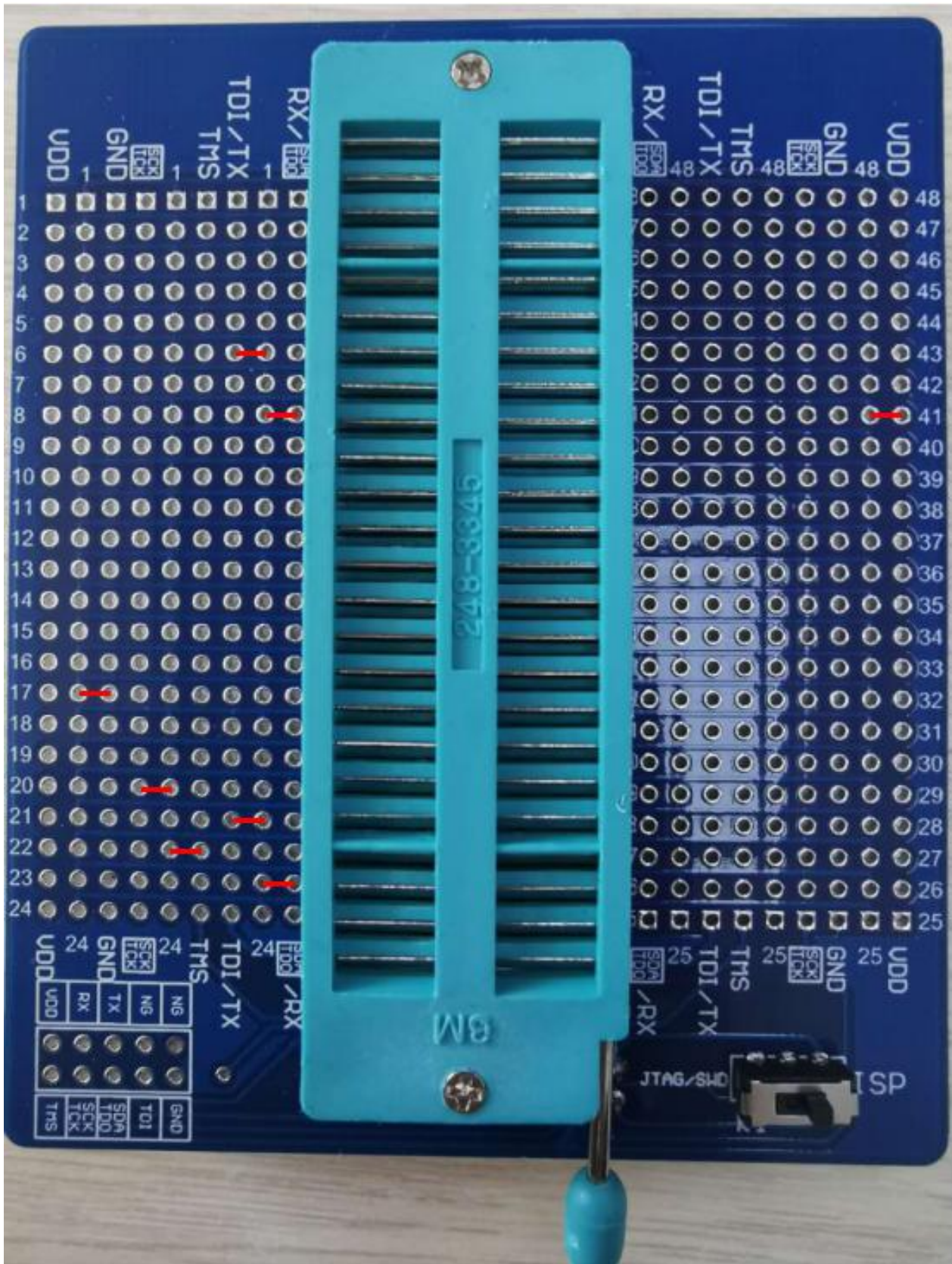


## 2. 17 HC89F0650-LQFP44-ISP&JTAG



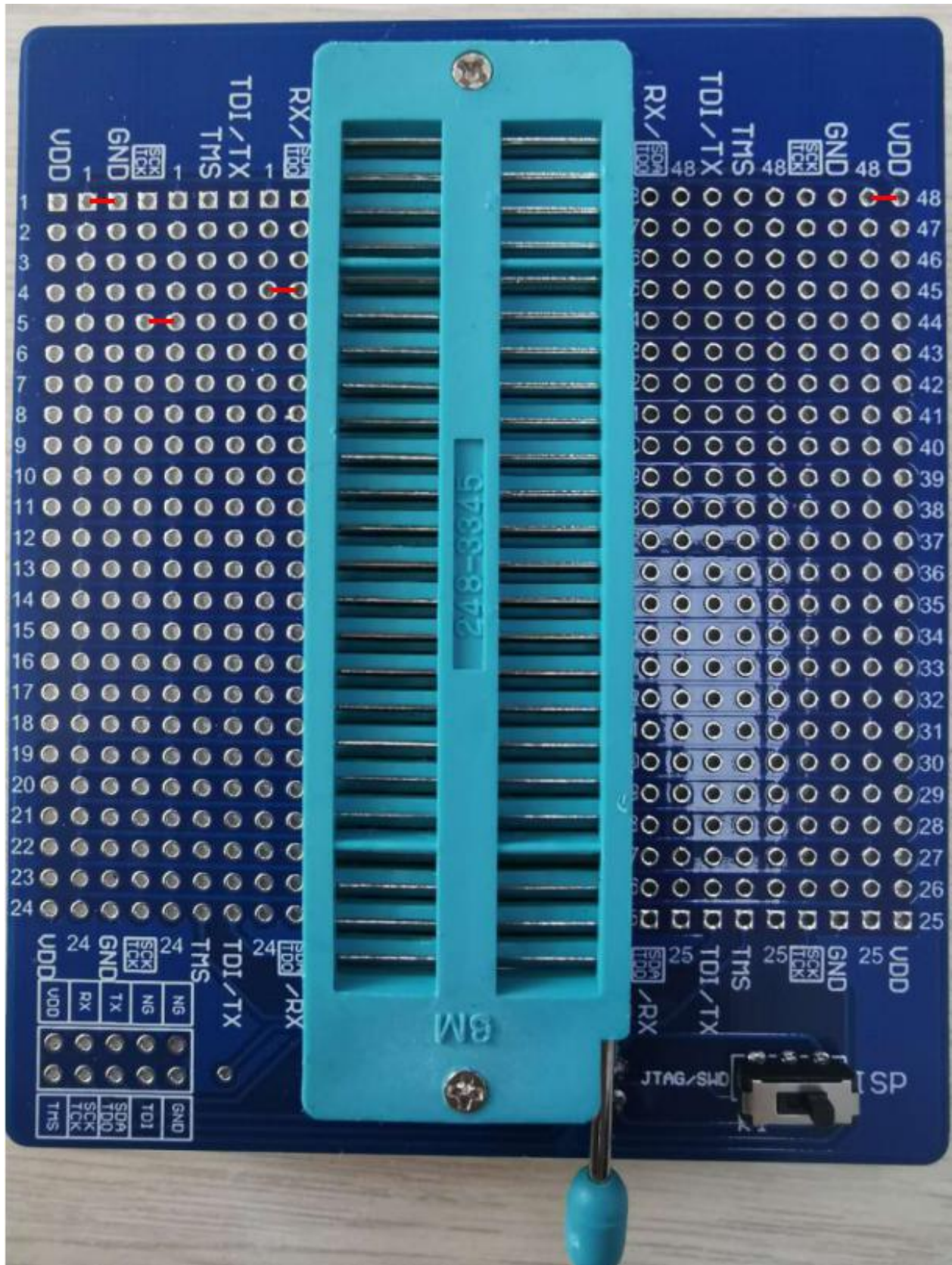


## 2. 18 HC89F0650-LQFP48-ISP&JTAG





## 2. 19 HC8M602-SOP16-SWD

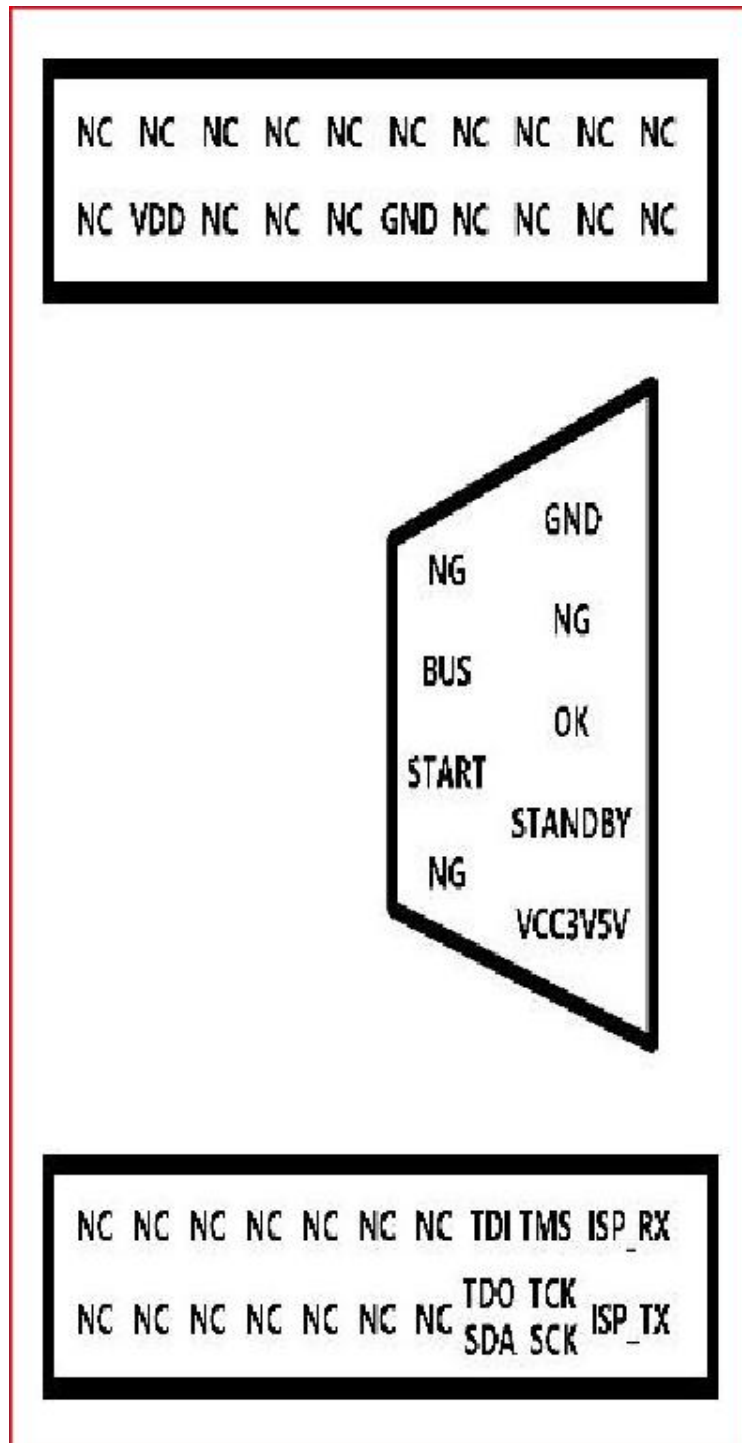




### 3、 TOUCH

JTAG 烧录引脚：VDD、TMS、TCK、TDO、TDI、GND

SWD 烧录引脚：VDD、SCK、SDA、GND



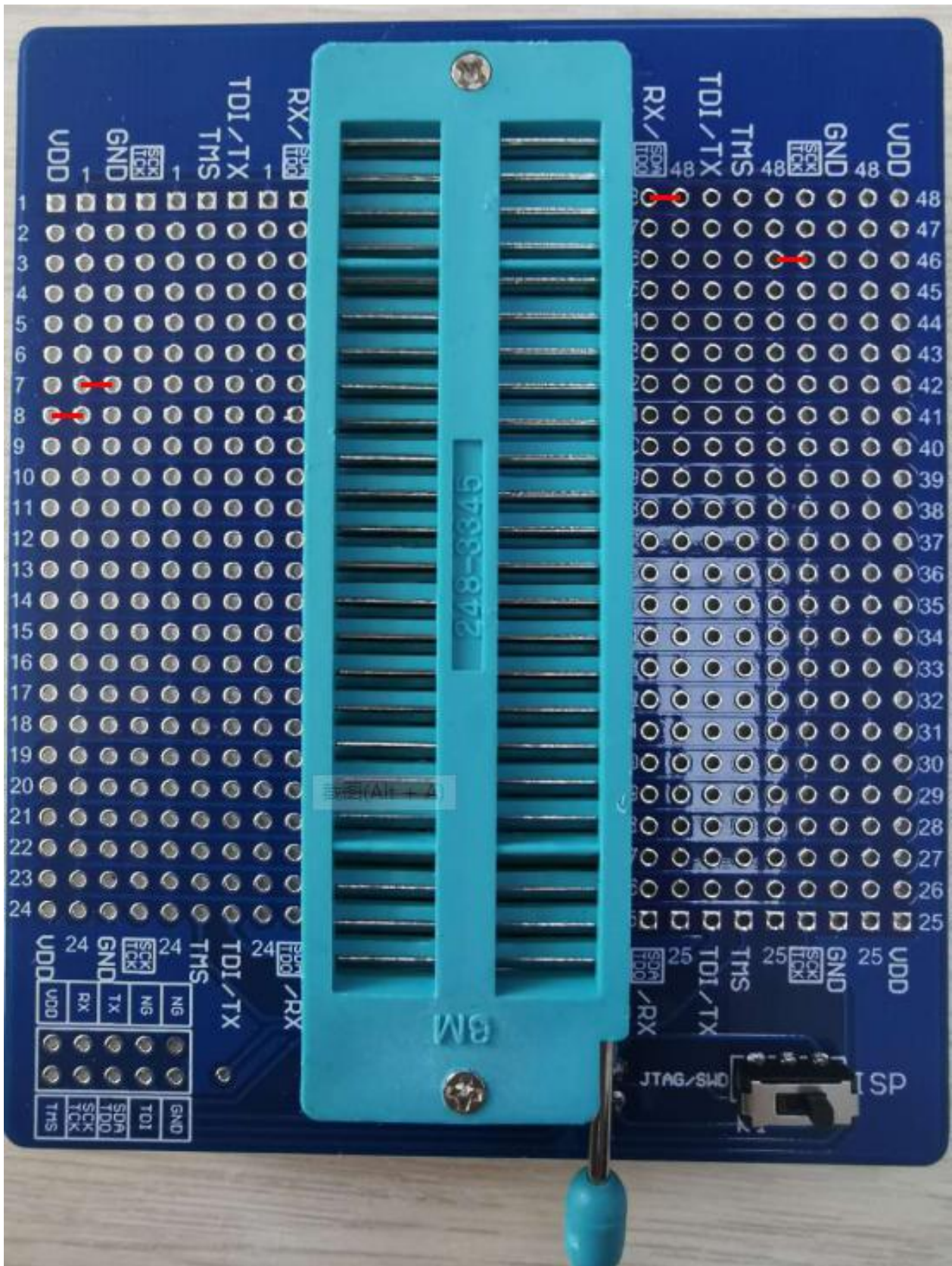
HC-PM51 V5.0 引脚图

### 3.1 HC89F301-SOP16-SWD

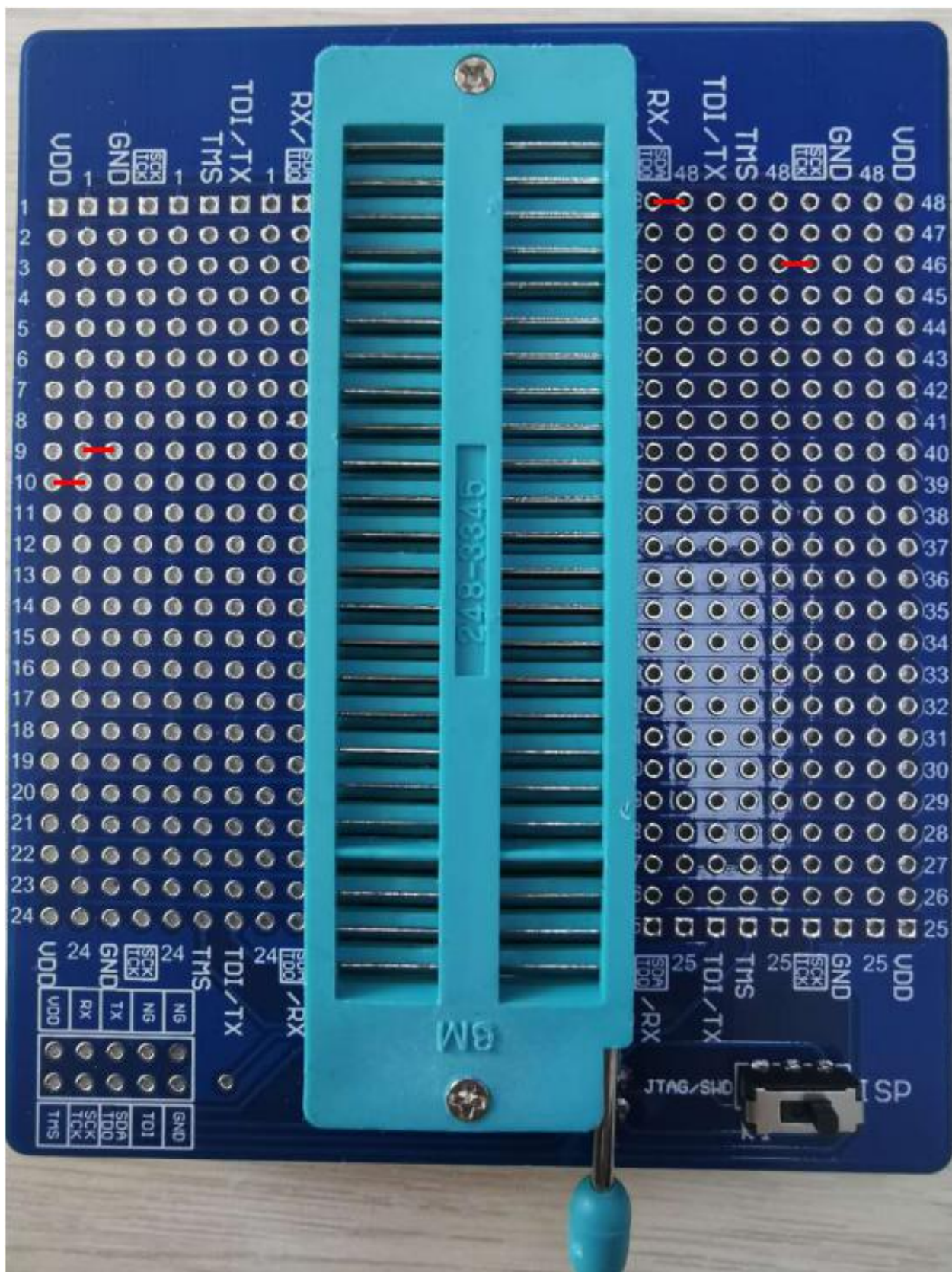




### 3.2 HC89F301B-SOP16-SWD

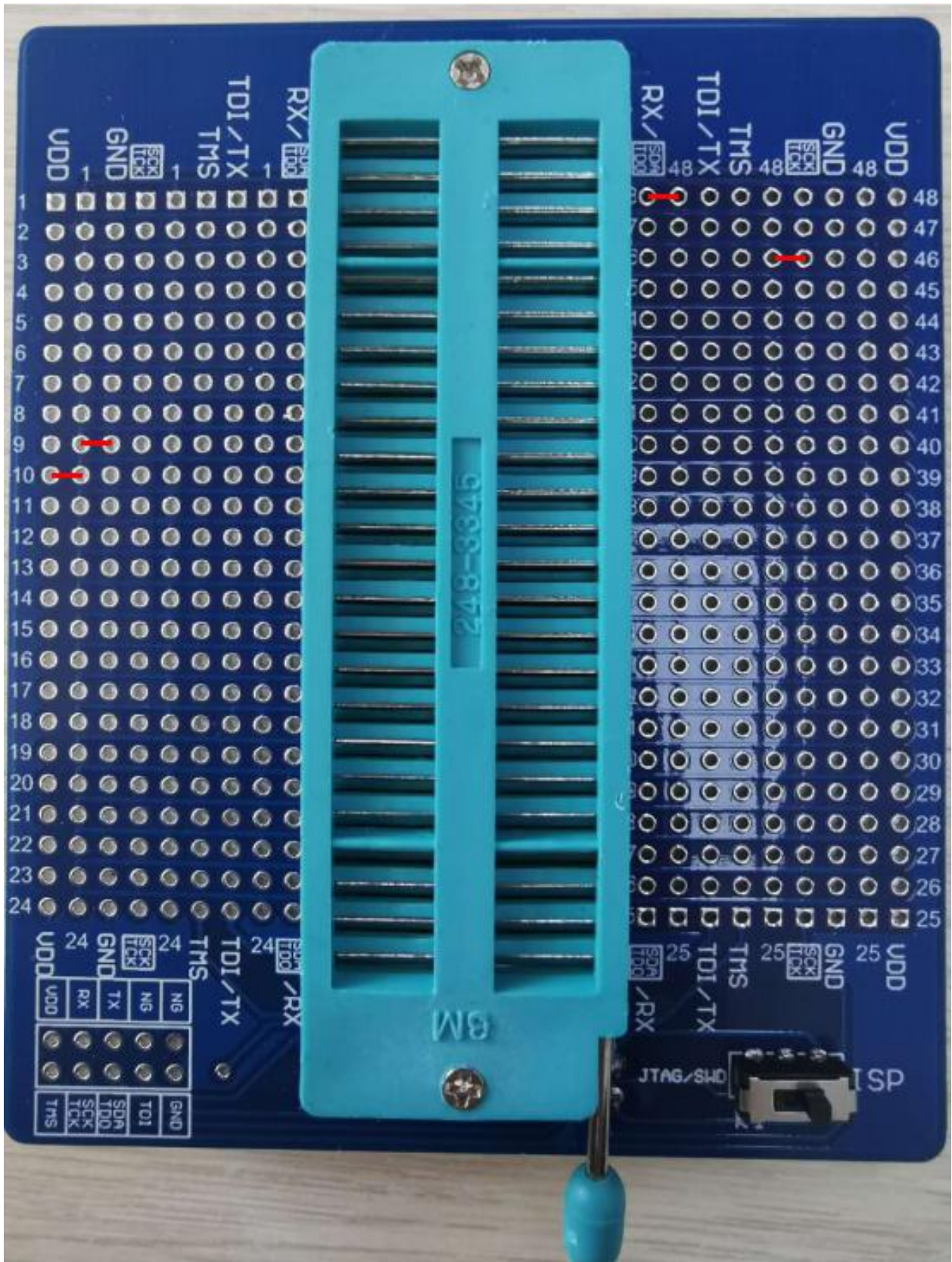








### 3.4 HC89F302-SOP24-SWD



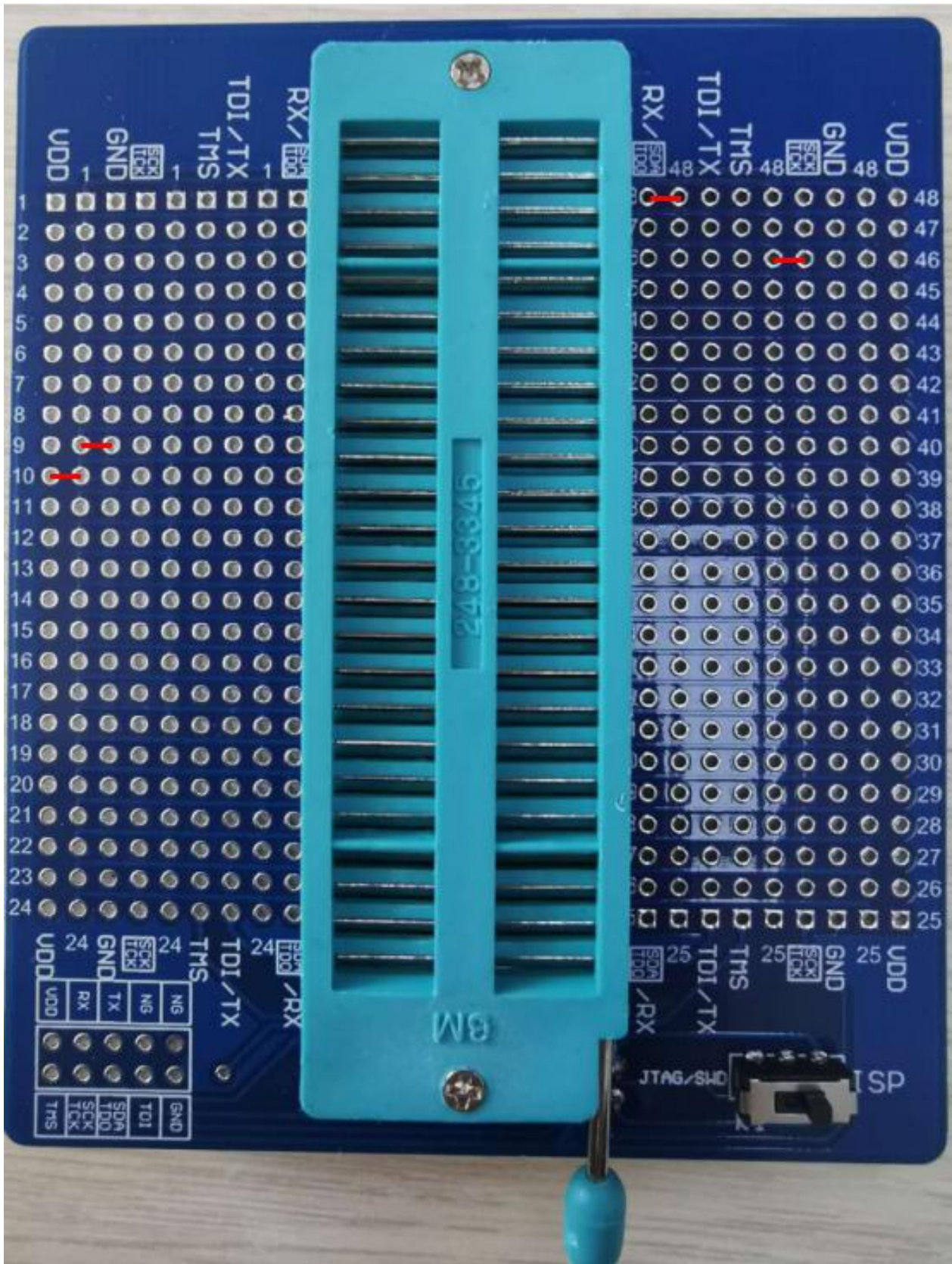


### 3.5 HC89F302B-SOP20/DIP20-SWD



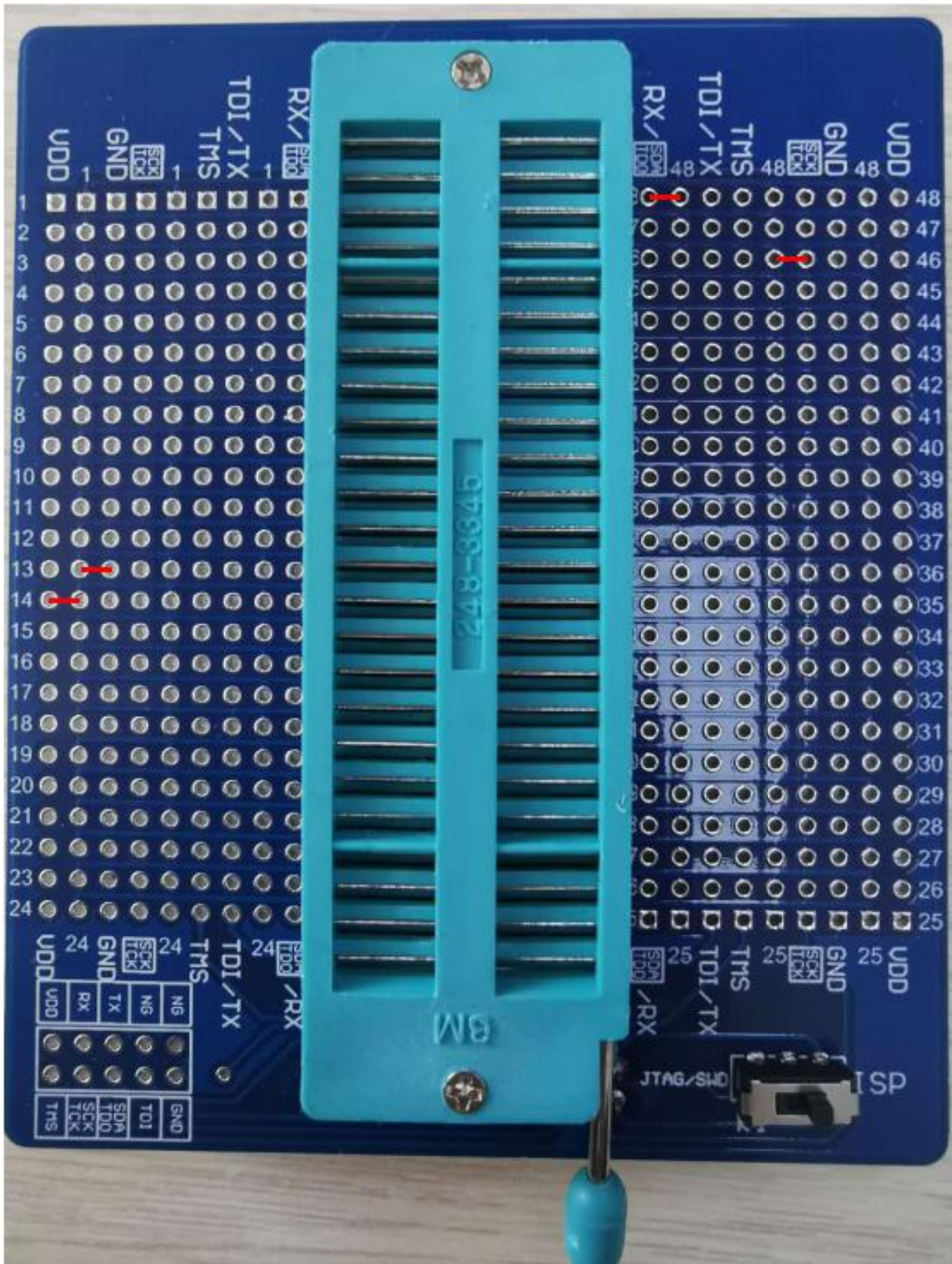


### 3.6 HC89F302B-SOP24-SWD



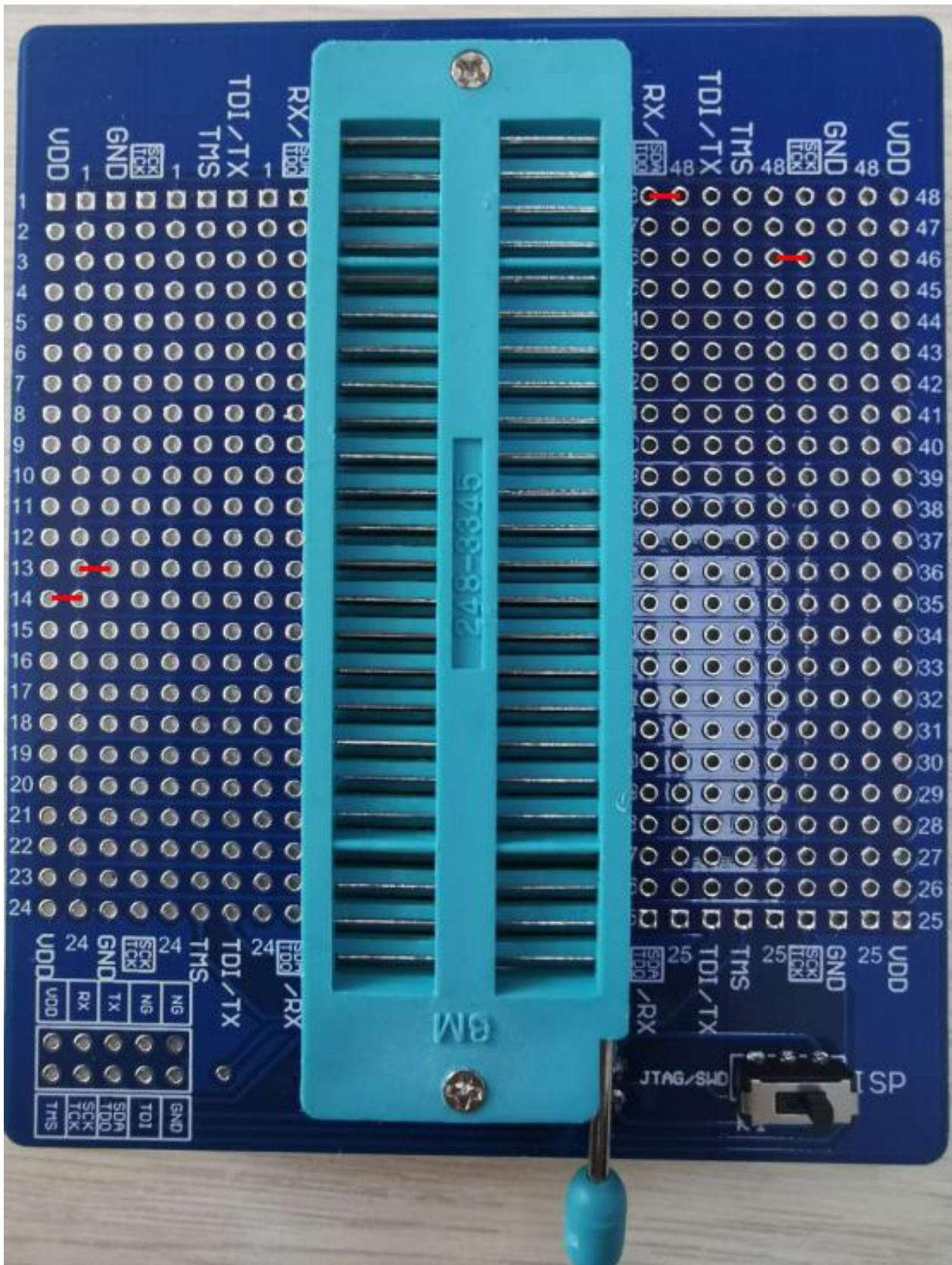


### 3.7 HC89F303-SOP28-SWD



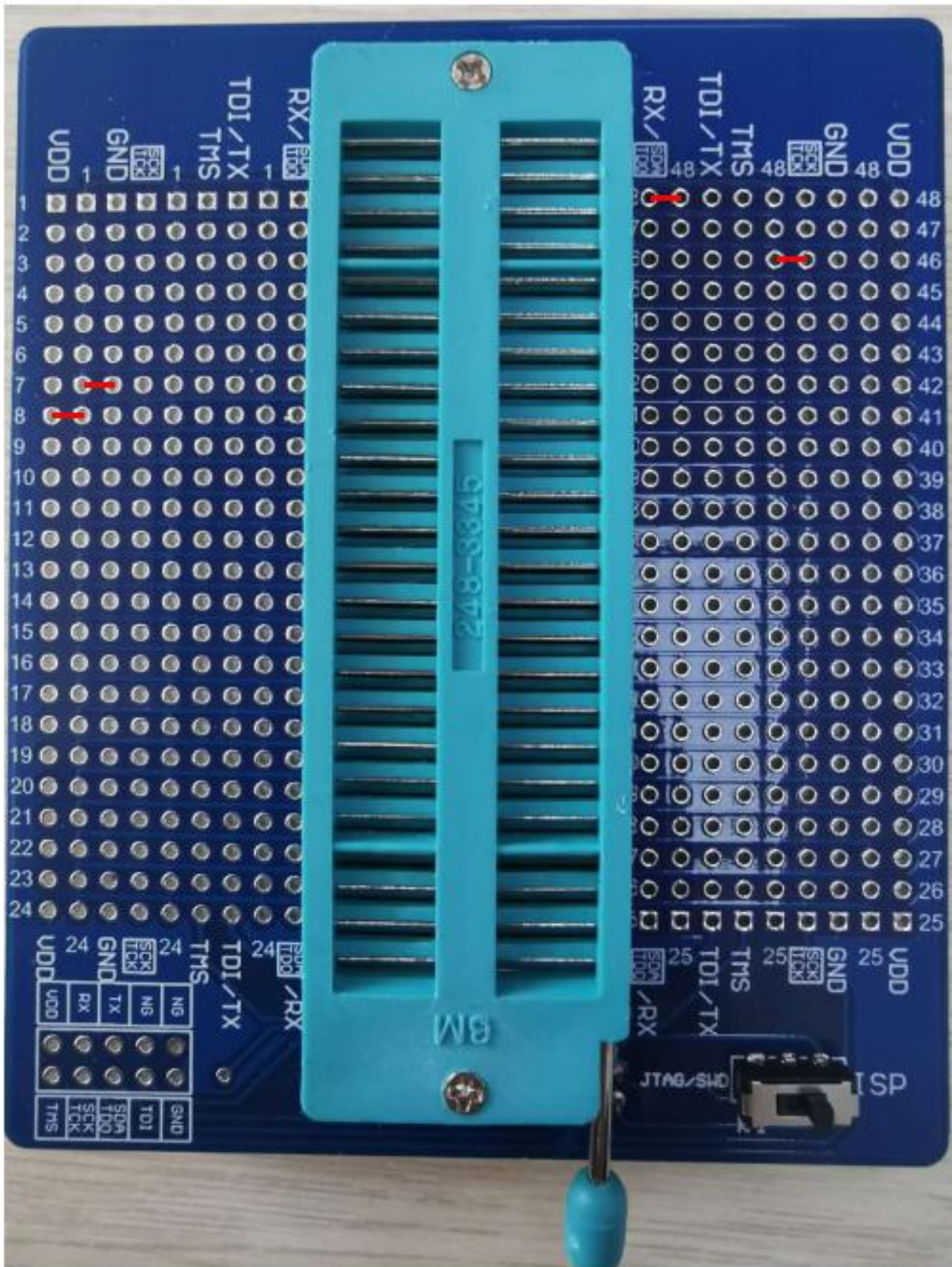


### 3.8 HC89F303B-SOP28-SWD



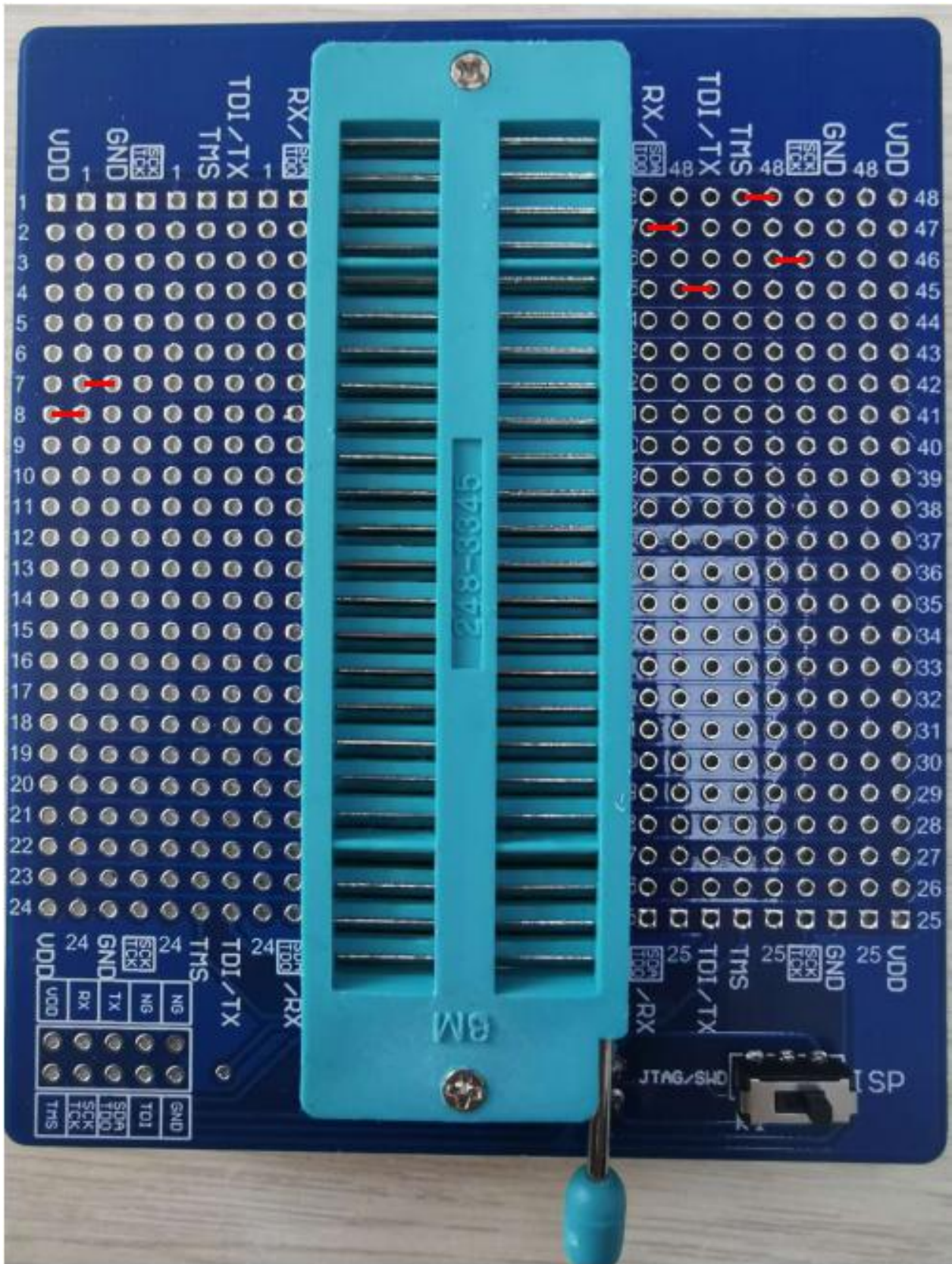


### 3.9 HC89F3421-SOP16-SWD



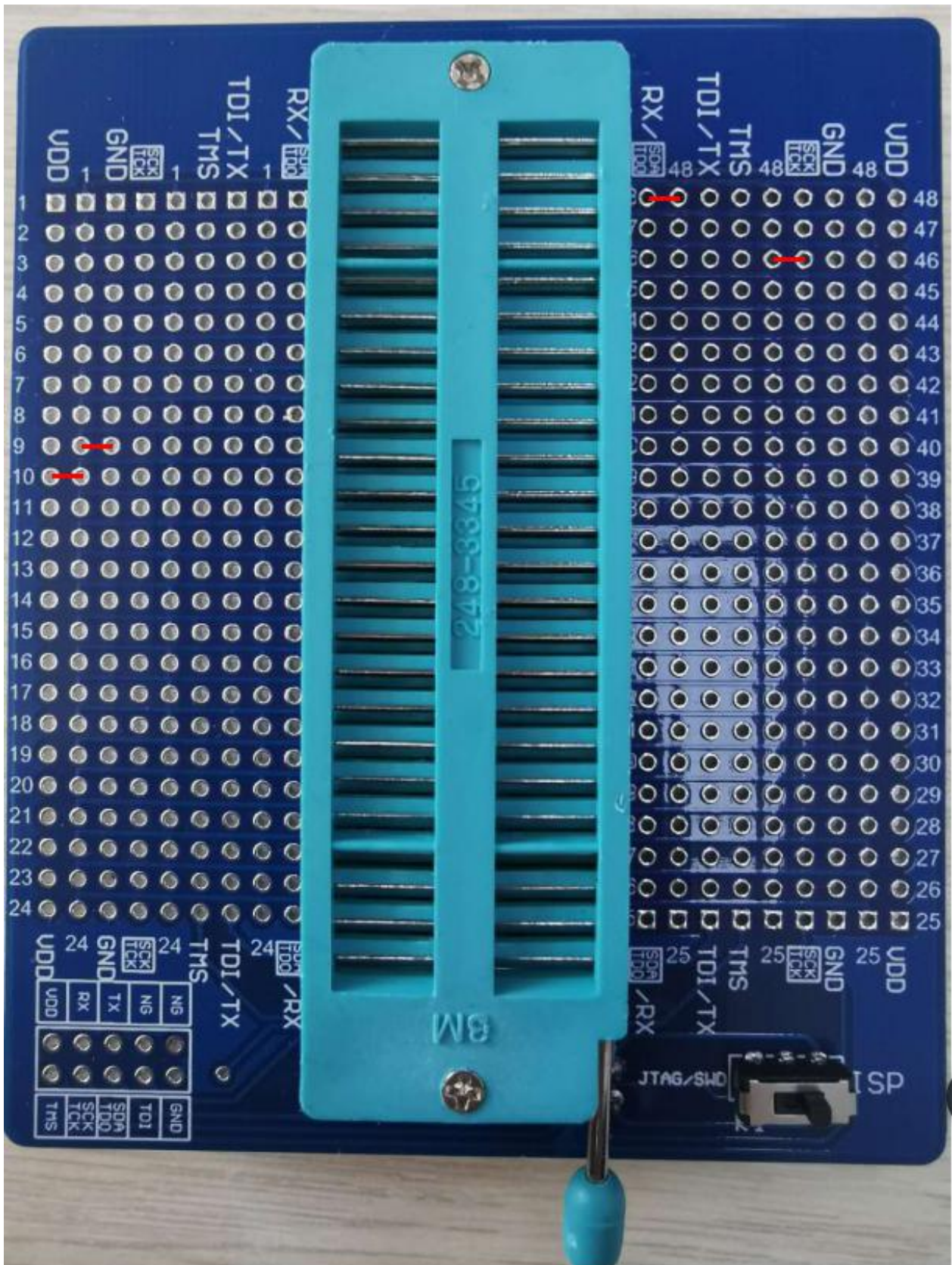


### 3. 10 HC89F3421-SOP16-JTAG





### 3. 11 HC89F3531-SOP20/DIP20-SWD



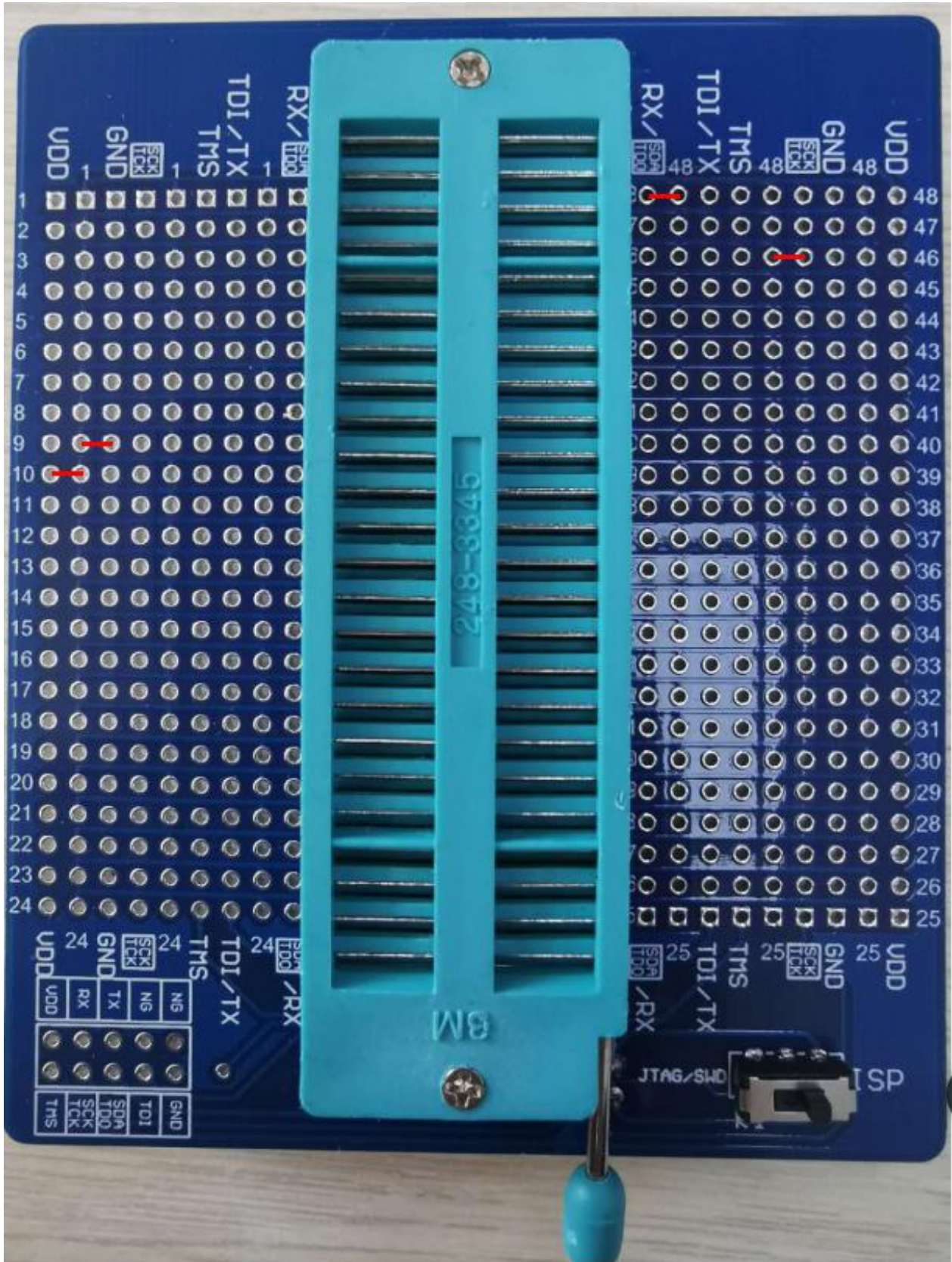


### 3. 12 HC89F3531-SOP20/DIP20-JTAG





### 3.13 HC89F3531-SOP24-SWD



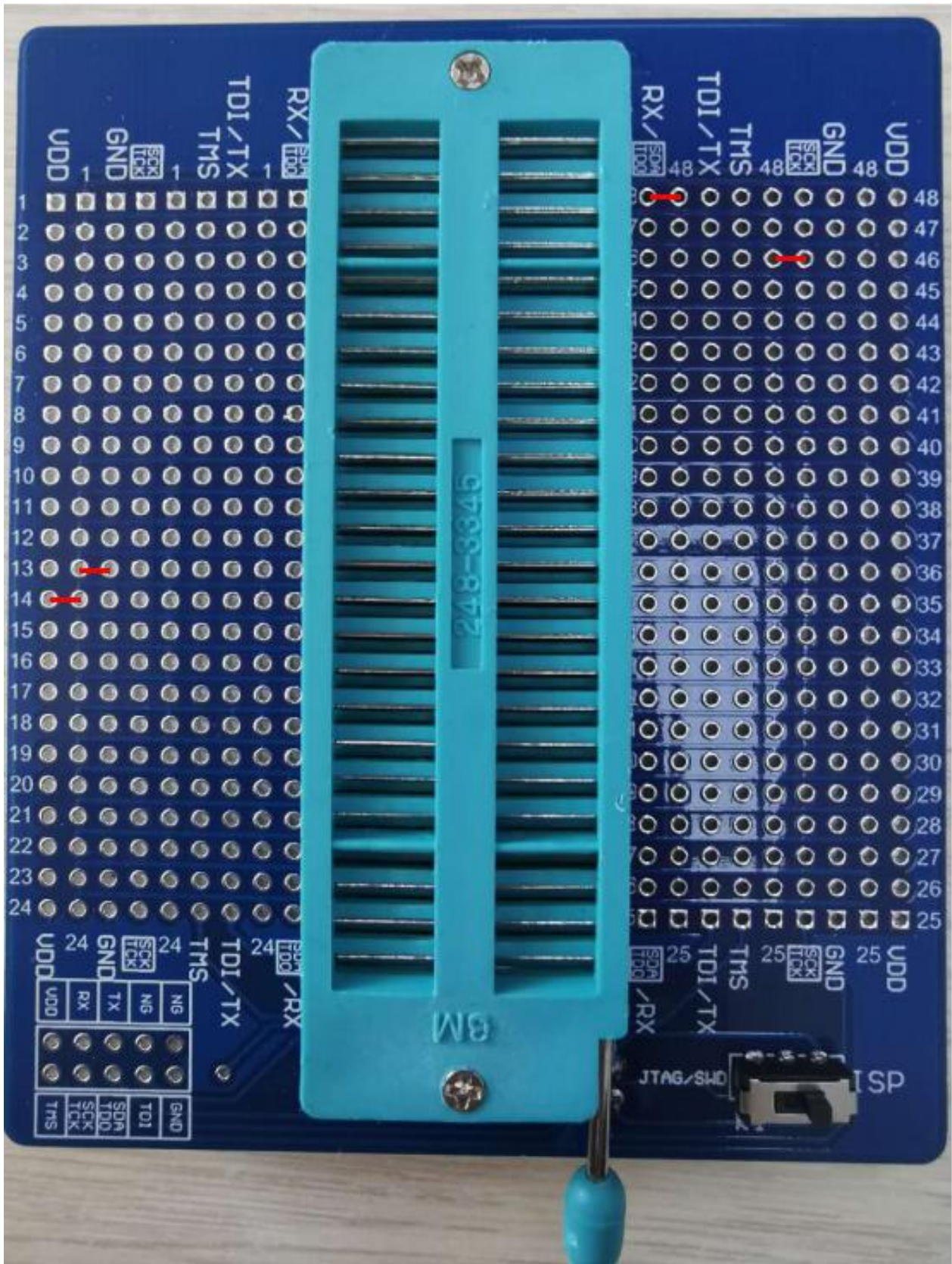


### 3. 14 HC89F3531-SOP24-JTAG



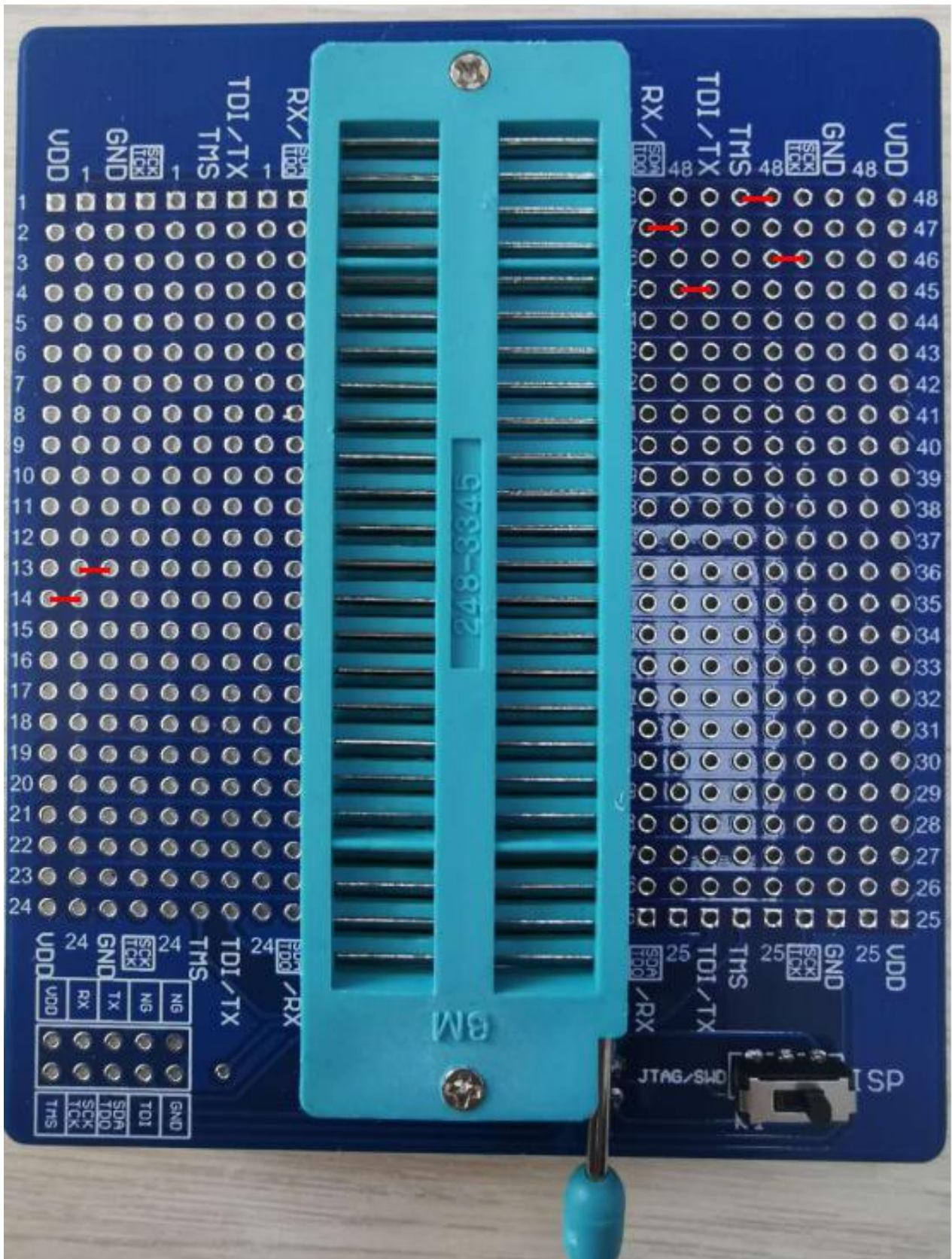


### 3. 15 HC89F3541-SOP28-SWD





### 3. 16 HC89F3541-SOP28-JTAG





### 3. 17 HC89F3541-LQFP32-SWD



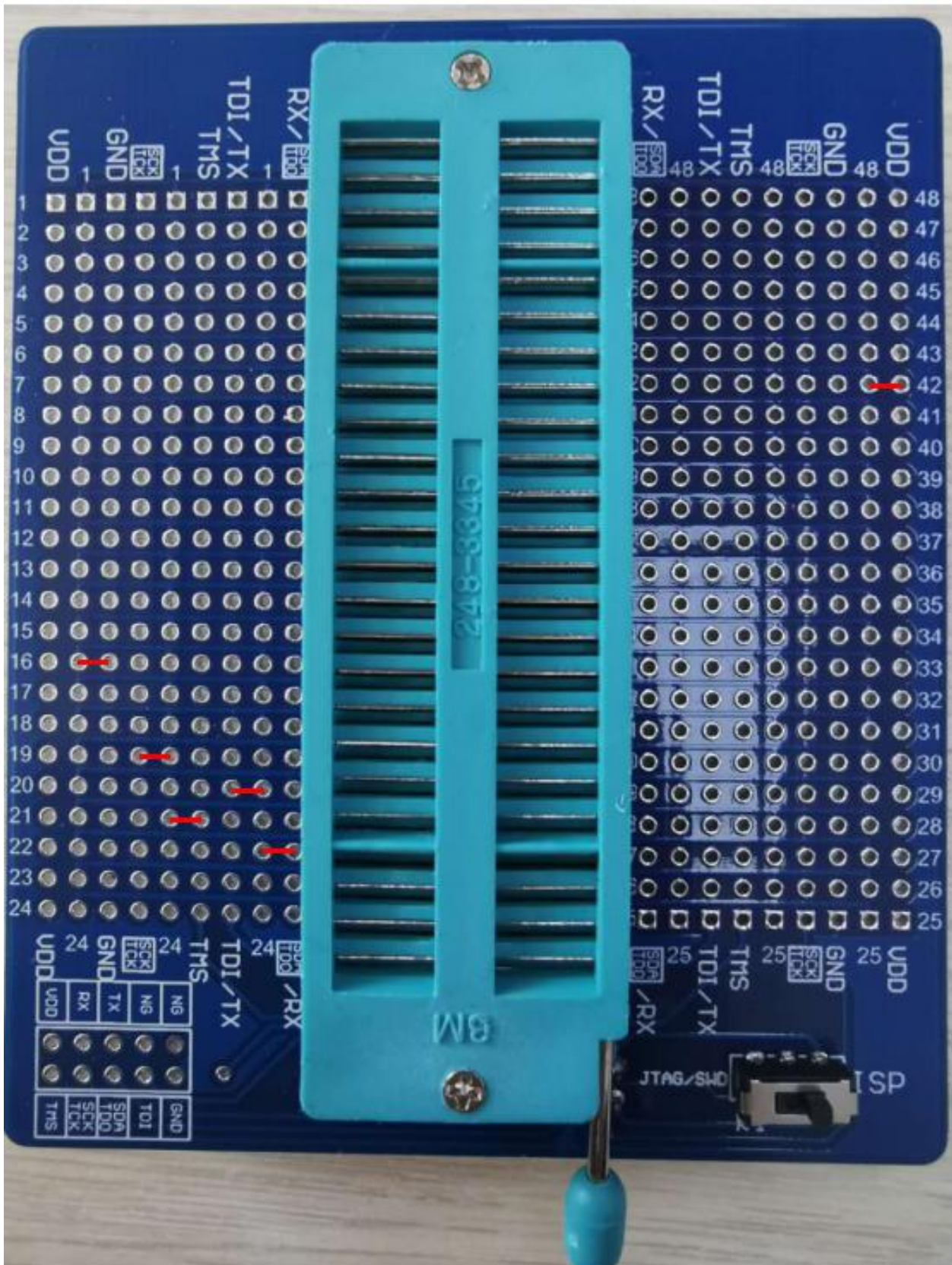


### 3. 18 HC89F3541-LQFP32-JTAG



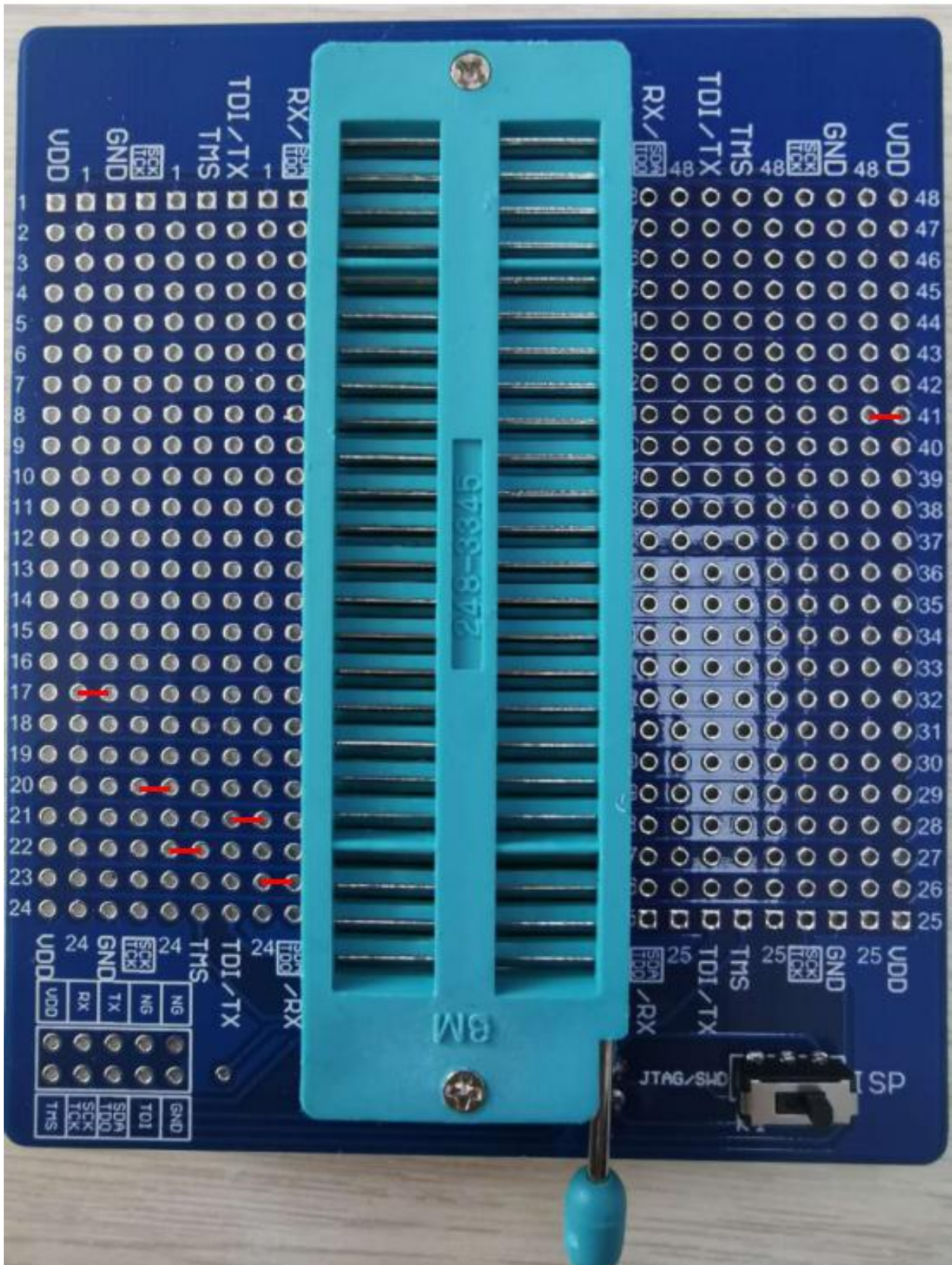


### 3. 19 HC89F3650-LQFP44-JTAG





### 3. 20 HC89F3650-LQFP48-JTAG



# 版本说明

版本	日期	描述
V1.00	2020/03/30	初版

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芯圣电子

2020 年 3 月