STM32-QFP100

Primary Attribute

Part Number	STM32-QFP100
Manufacturer	Yamaichi
Remarks	

order

Pricing

Price List (All prices are in US dollars)				
Price Break	@ 1Unit	@ 2Units	@ 3Units	@ 4Units
Unit Price	78.99	76.99	74.99	72.99
Extended Price	78.99	153.98	224.97	291.96

Product Photos

(Click on the image to enlarge)

Yamaichi IC Test & Burn-in Socket with a simple board, specifically designed for STM32 microcontroller in QFP100(0.5mm pitch) package

Features

- 20-pin JTAG/SWD port and/or 4-pin USART1 interface for programming/testing
- External crystal can be connected via on board socket for system clock
- Onboard 32.768K crystal oscillator
- Two LED indicators for testing, which are connected to the I/O pins via jumpers
- All the MCU pins are accessible on expansion connectors
    - pin header pitch: 2.54mm(100mil)

Supported Devices

STM32 microcontroller in QFP100(0.5mm pitch) package with compatible pinouts:

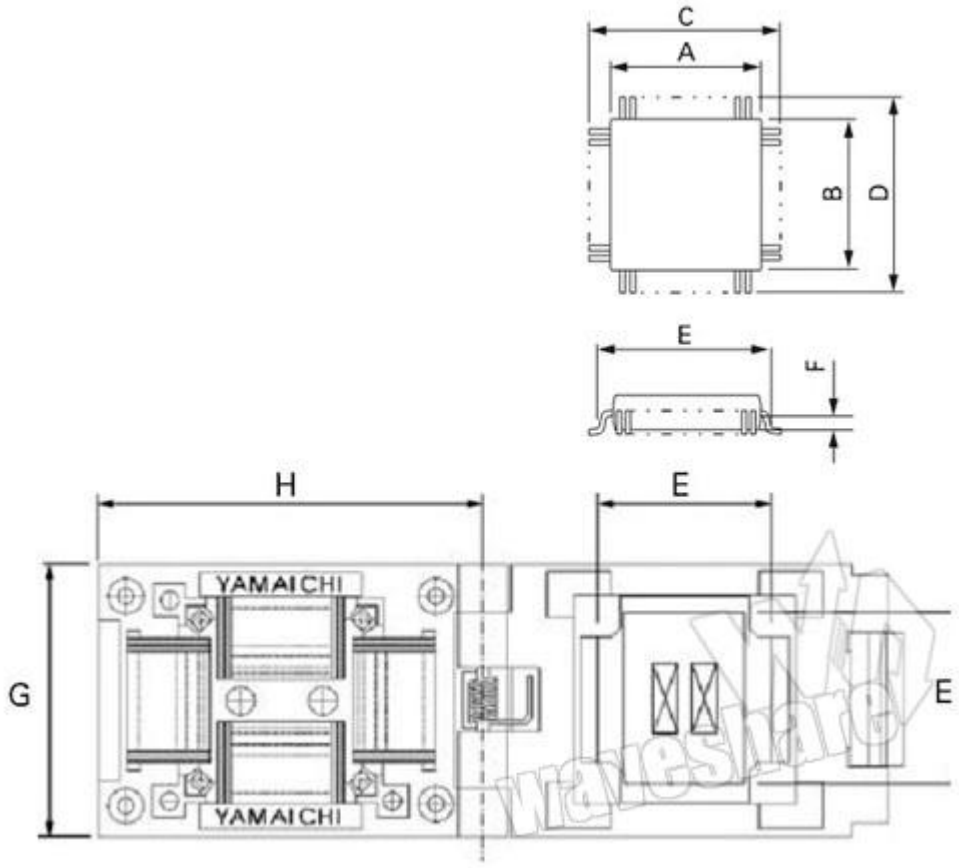
- STM32L1xxV series (STM32L151VB, STM32L152VB, etc.)
- STM32F1xxV series (STM32F103VE, STM32F100VE, etc.)
- STM32F2xxV series (STM32F207VC, STM32F215VC, etc.)
- STM32F3xxV series (STM32F303VC, STM32F373VB, etc.)
- STM32F4xxV series (STM32F407VG, STM32F415VG, etc.)

Config the onboard "**Device selection jumpers**" according to the device to be programmed.

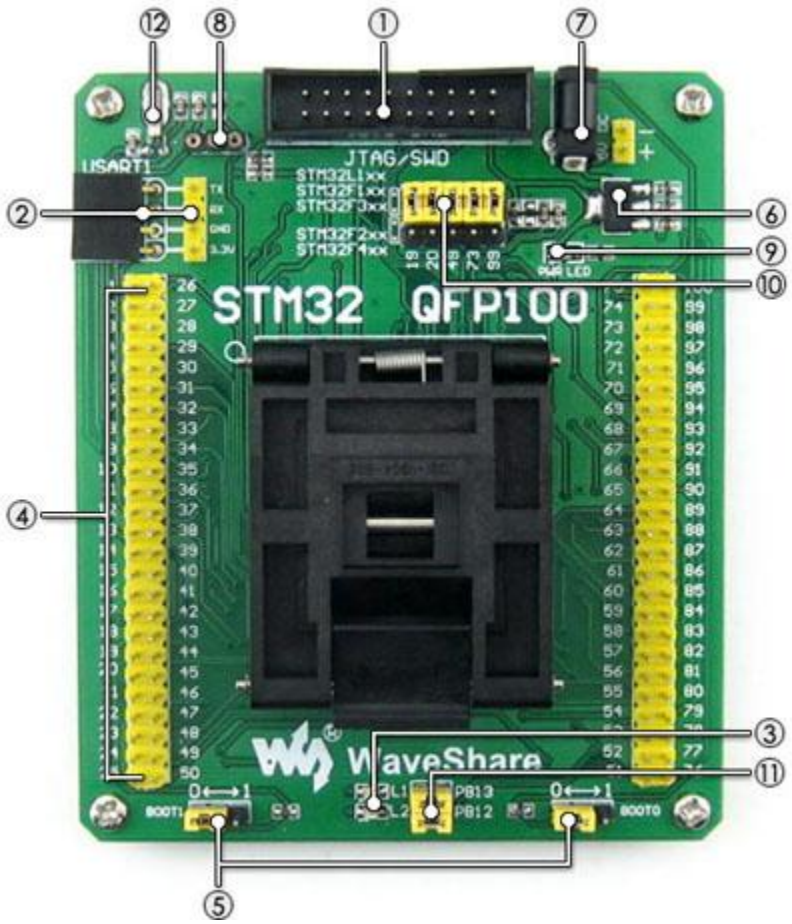
Outline and Dimensions

Unit: mm

Part Number	Pitch	Pins	Applicable IC Dimensions (REF.)				Outside Dimensions (REF.)
			A x B	C x D	E	F	G x H
IC51-1004-809	0.5	100	14 × 14	16 × 16	15.3	-	39 × 39



Photos



1. **JTAG/SWD port**
    - for programming/debugging/testing
    - compatible with ST-LINK / J-LINK / ULINK2 / STX-RLINK
2. **USART1 port**
    - supports ISP and/or serial port debugging
3. **LED indicators**
    - for quick testing
4. **Pin headers connected to MCU pins**
    - clearly labeled with onboard marks
    - easy for testing and further expansion
5. **Boot mode configuration**
    - configuring the BOOT0 and BOOT1 via jumpers
6. **3.3V onboard regulator**
    - AMS1117-3.3
7. **5V power input**
    - DC jack or 2-pin header
8. **External crystal socket**

- insert crystal to the holes on two sides, leave alone the middle hole

9. **Power indicator**
10. **Device selection jumpers**
    - short the upper headers for STM32L1xx / STM32F1xx / STM32F3xx
    - short the lower headers for STM32F2xx / STM32F4xx
11. **LED jumpers**
    - short the jumpers to connect LEDs to MCU I/O pins for testing
    - open the jumpers to disconnect
12. **32.768K crystal (on bottom side)**
    - for internal RTC with calibration