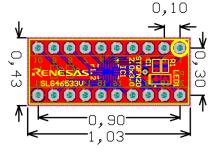


## 1. Description

The GreenPAK DIP Adapter is a small PCB that lets you adapt STQFN packages into a DIP footprint. This board can speed up your design prototyping and testing. This small board 0.45x1.05 inch uses 20 pins DIP footprint with 0.3 inch width. You can also use this adapter for prototyping by making STQFN package compatible with solder free breadboards.

## 2. Features

- Low cost
- Simplifies prototyping of SMT IC's
- Optional V<sub>DD</sub> LED indicator
- Decoupling capacitor included
- Optional I<sup>2</sup>C pull-up resistor



**Note 1** All sizes in inches.

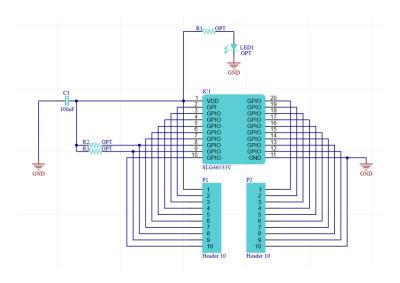
### 4. Bottom View

	Chip pin number	I2C pull up resistors (optional)	
Pins		Pins	
PIN20 (GPIO)	, <u> </u>	PIN1 (VDD)	
PIN19 (GPIO)		PIN2 (GPI)	
PIN18 (GPIO)		PIN3 (GPIO)	
PIN17 (GPIO)		PIN4 (GPIO)	
PIN16 (GPIO)		PIN5 (GPIO)	
PIN15 (GPIO)	<b>–</b>	PIN6 (GPIO)	
PIN14 (GPIO)	= I	PIN7 (GPIO)	
PIN13 (GPIO)		PIN8 (SCL/GPIO)	
PIN12 (GPIO)		PIN9 (SDA/GPIO)	
PIN11 (GND)	<b>5</b> 2 × <b>5</b> 2	PIN10 (GPIO)	

## 3. Top View

LED current limit resistor (optional)		Chip package type	
VDD Chip decoupling capacitor		VDD LED indicator (optional)	
Pins			Pins
PIN1 (VDD)			PIN20 (GPIO)
PIN2 (GPI)		G	PIN19 (GPIO)
PIN3 (GPIO)	- (2) C1		PIN18 (GPIO)
PIN4 (GPIO)		FN20 x3.0	PIN17 (GPIO)
PIN5 (GPIO)	- <b>O</b> • É		PIN16 (GPIO)
PIN6 (GPIO)	9		PIN15 (GPIO)
PIN7 (GPIO)	-0/	<u>ا ا ی د</u> ا	PIN14 (GPIO)
PIN8 (SCL/GPIO)	9		PIN13 (GPIO)
PIN9 (SDA/GPIO)	-(0) /	Z & 🕒 –	PIN12 (GPIO)
PIN10 (GPIO)			PIN11 (GND)
GreenPAK chip		Chip part number	

## 5. Board Schematic



**Revision 1.1** 

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