

## 1. Description

The GreenPAK DIP Adapter is a small PCB that lets you adapt MSTQFN packages into a DIP footprint. This board can speed up your design prototyping and testing. This small board 0.43x1.03 inch uses 20 pins DIP footprint with 0.3 inch width. You can also use this adapter for prototyping by making MSTQFN 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 resistors



Note 1 All sizes in inches.

#### 4. Bottom View

I2C pull up resisitors (	optional)	Chip pin num	ber
Pins			Pins
PIN6 (VINO)	- पुर्व		PIN1 (VDD)
PIN7 (VOUT0)			PIN2 (GPI)
Not connected			PIN3 (SCL/GPIO)
PIN18 (GPIO)			PIN4 (SDA/GPIO)
PIN17 (GPIO)			PIN5 (GPIO)
PIN16 (GPIO)	<b>- 1</b>		PIN19 (GPIO)
PIN15 (GPIO)	🗖 ចី 🗧 🗧		PIN20 (GPIO)
PIN14 (GPIO)	<b></b>		Not connected
PIN13 (GPIO)	<b>ω</b> 9		PIN10 (VOUT1)
PIN9,12 (GND)	13 E F		PIN11 (VIN1)

# 3. Top View

LED current limit resistor (optional)		Chip package type	
VDD Chip decoupling capacitor		VDD LED indicator (optional)	
Pins			Pins
PIN1 (VDD)		LEM	PIN6 (VINO)
PIN2 (GPI)	- <u>o</u>	<b>G</b>	PIN7 (VOUT0)
PIN3 (SCL/GPIO)	<b>(3)</b> C1		Not connected
PIN4 (SDA/GPIO)	1.6	X3.0	PIN18 (GPIO)
PIN5 (GPIO)	- O _ !	C1• 🕞	PIN17 (GPIO)
PIN19 (GPIO)	<b>ම</b> 7	<b>4</b> 2 C	PIN16 (GPIO)
PIN20 (GPIO)	9	2 <u>-</u> C	PIN15 (GPIO)
Not connected	9	N & C	PIN14 (GPIO)
PIN10 (VOUT1)	-0/	2 2 C	PIN13 (GPIO)
PIN11 (VIN1)	•	Ř.	PIN9,12 (GND)
GreenPAK chip		Chip part number	

## 5. Board Schematic

