

MAX20343 Evaluation Kit

Evaluates: MAX20343

General Description

The MAX20343 evaluation kit (EV kit) is a fully assembled and tested circuit that evaluates the MAX20343 3.5W, buck-boost regulator. The MAX20343 is designed for low-noise, battery-powered applications that require long runtimes. The EV kit is compatible with both the I²C controlled and single-pin-enabled versions of the MAX20343.

Refer to the *MAX20343 IC data sheet* for detailed information regarding the operation and features of the device.

Features

- RoHS Compliant
- Proven PCB Layout
- Fully Assembled and Tested
- USB Controllable for I²C Configured Devices

[Ordering Information](#) appears at end of data sheet.

MAX20343 EV Kit Files

FILE	DESCRIPTION
MAX20343EVKitSetupV115.zip	MAX20343 Evaluation Kit Tool

Quick Start

Required Equipment

The following equipment is required to verify the functionality of this EV kit. The list assumes the EV kit is used with the I²C-controlled version of MAX20343.

- USB-A to Micro-USB Cable
- Host PC with One USB Port and the MAX20343 Evaluation Kit Tool Installed
- Adjustable Power Supply with 5.5V Capability
- Voltmeter

Optional Equipment

The following equipment can be used for more complete evaluation of the EV kit:

- Two (2) Ammeters
- Load (Electronic or Passive)

Procedure

The EV kit is fully assembled and tested. Follow the steps below to verify board operation when using the I²C controlled version of MAX20343:

- 1) Install the MAX20343 Evaluation Kit Tool on the host PC.
- 2) Connect the USB cable from the host PC to the MAX20343EVKIT and run the GUI.
- 3) Verify that the shunt jumpers are installed in their default positions.
- 4) Set the voltage on the power supply to 3.3V, then connect the positive terminal to V_{IN} and the common/negative terminal to GND.
- 5) Verify that the GUI has detected and connected to the EV kit and that LED D5 on the EV kit is illuminated.
- 6) On the General tab of the GUI, uncheck the boxes for Output Voltage Interrupt Mask and Input UVLO Interrupt Mask.
- 7) Press the Read button to read the interrupt states. Verify that LED D2 is off.
- 8) Switch to the Buck-Boost tab of the GUI and verify that the Output Voltage slider is set to 5.5V, then enable the regulator using the Buck-Boost Enable radio button.
- 9) Verify that LED D2 is illuminated.

- 10) Use the voltmeter to measure V_{OUT} and confirm that it is $5.5V \pm 3\%$.

To measure the efficiency of the MAX20343:

- 11) Remove the shunt jumpers from J1 and J2.
- 12) Connect the first ammeter in series to the input supply by attaching the input terminal to pin 1 of J1 and the output terminal to pin 2 of J1.
- 13) Connect the second ammeter in series to output load by attaching the input terminal to pin 1 of J2 and the output terminal to pin 2 of J2.
- 14) Attach the load to V_{OUT} and measure the input voltage, input current, output voltage, and output current.

Detailed Description of Software

The MAX20343 Evaluation Kit Tool is a GUI that provides a simple and quick way to test different configuration settings for the I²C-controlled version of the MAX20343. The GUI contains several tabs to configure different parameters of the MAX20343 and a register map to access all registers.

Connecting to the Hardware

When the GUI is first opened, a splash screen appears. The splash screen displays the GUI software revision and links

to the Maxim Integrated main website and support website. It can be disabled by checking the box "Disable Splash."

After the splash screen closes, the main window opens to the General tab of the GUI. The GUI starts up assuming all configuration bits are set to 0, so the information displayed might not match the values stored in the MAX20343 until the device is read manually or automatically through polling.



Figure 1. Initial Splash Screen

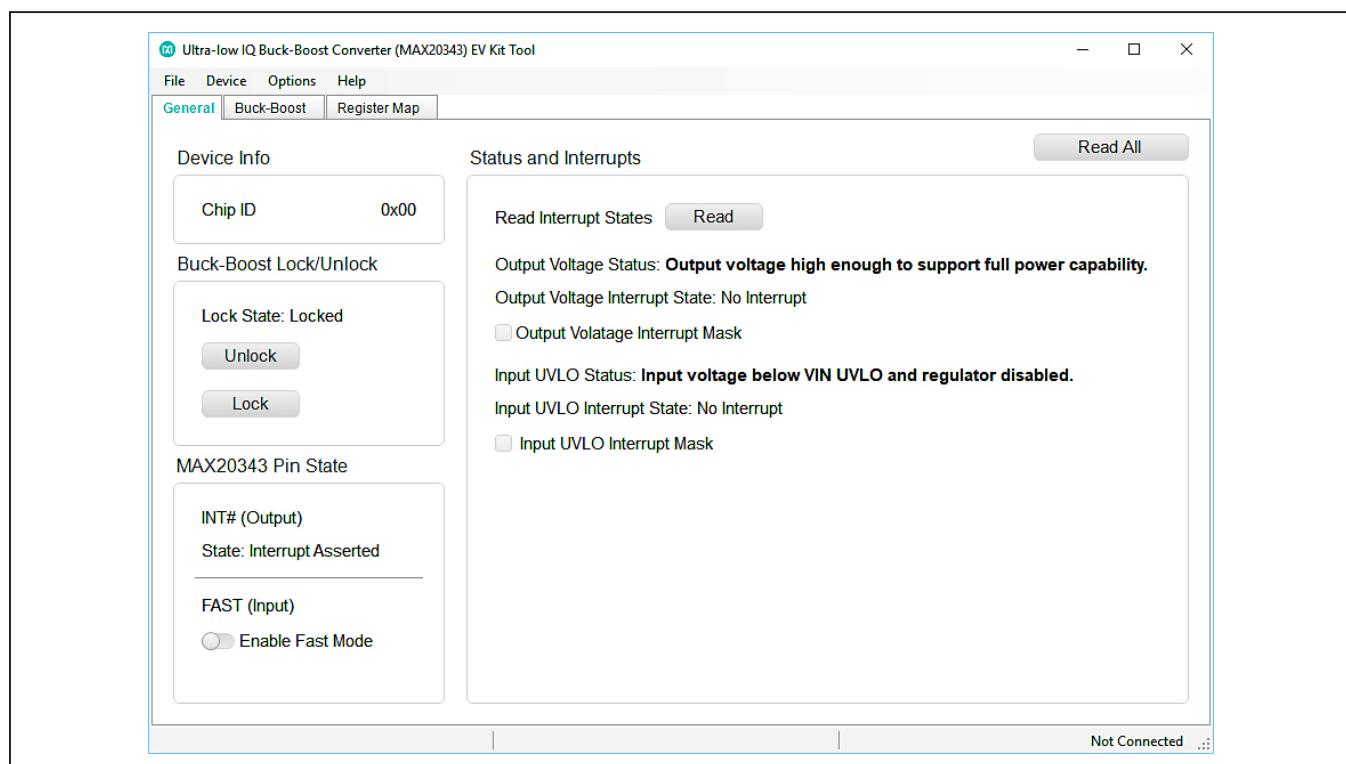


Figure 2. GUI Main Tab on Startup

If the EV kit is not connected to the host PC, the connection status in the bottom right corner reads, "Not Connected."

When the EV kit is connected to the host PC, but power is not applied to V_{IN}, the status instead reads, "MAX20343 Not Found."

When power is supplied to the MAX20343 and the EV kit is connected to the host PC, the status reads, "Connected." At this point, the GUI is successfully communicating with the EV kit and evaluation can begin.

If the connection status still shows that the device is not connected or found, but EV kit is connected to the host PC and power is supplied to V_{IN}, it might be necessary to manually connect to the EV kit. Under the Device menu, find and press on the Connect button.



Figure 3. Connection Status when EV Kit is Disconnected

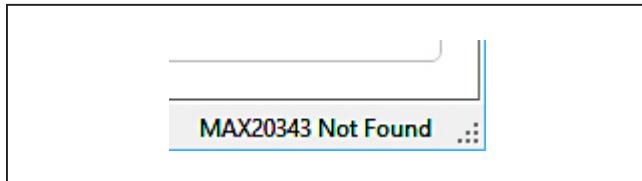


Figure 4. Connection Status when the MAX20343 is Not Powered

Interacting with the GUI

There are five types of controls in the GUI main page: Buttons, Radio Buttons, Toggle Switches, Drop Downs, and Sliders.

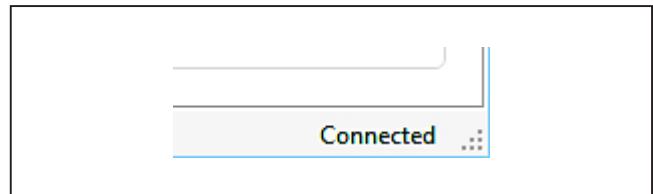


Figure 5. Connection Status when the GUI Detects the MAX20343

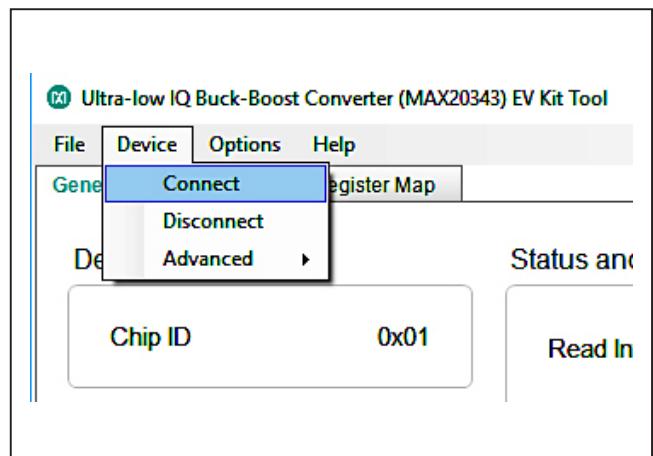


Figure 6. Manually Connecting to the Device

Buttons

Buttons are used to perform one-time functions such as reading or writing bits. All tabs include a Read All button that reads the MAX20343 registers and updates all the fields on the current tab with the contents. Pressing a button performs the function of the button once. For example, the Set button in the Buck-Boost tab writes the value selected by the Output Voltage slider to BBstVSet.

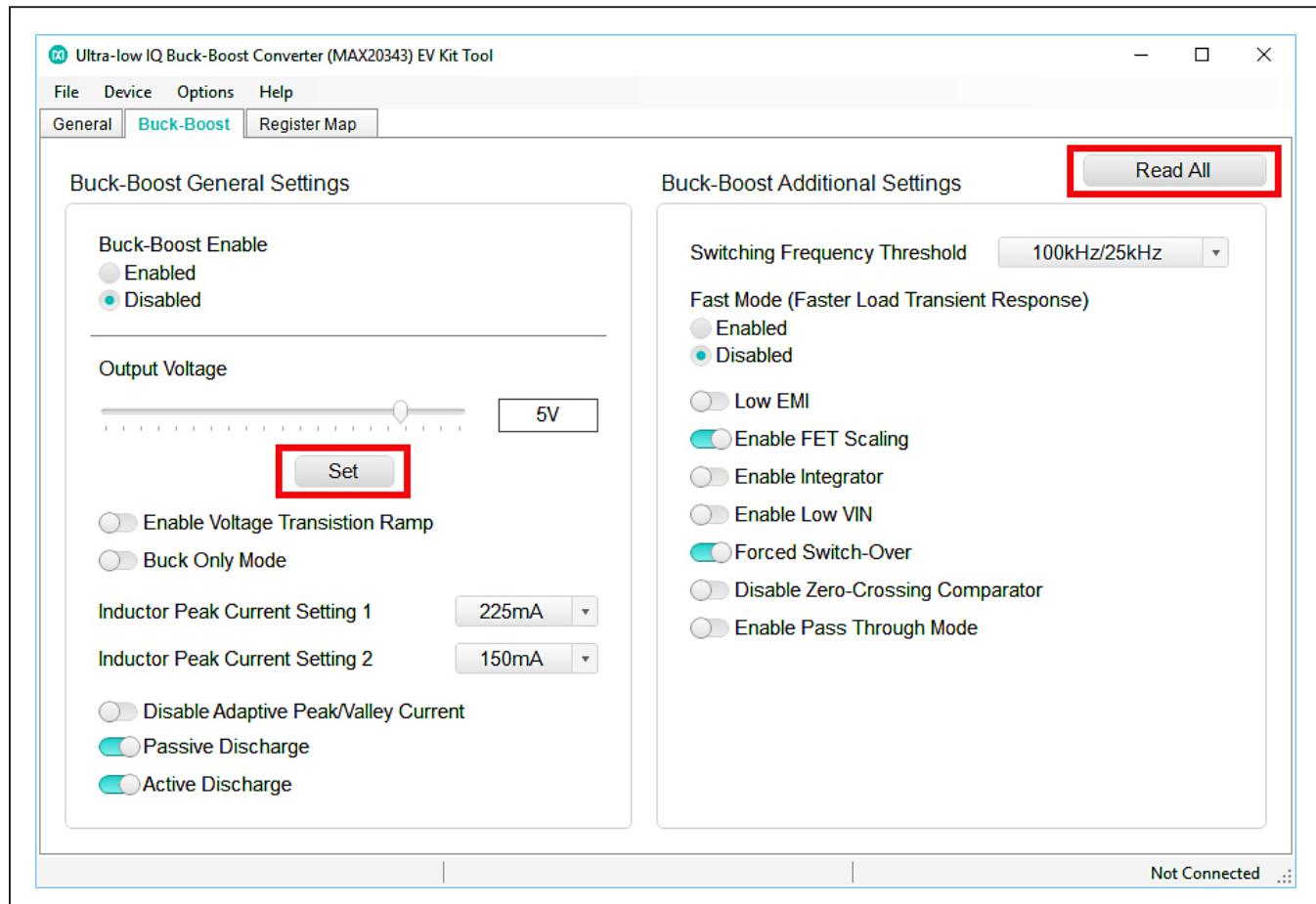


Figure 7. Buttons on the Buck-Boost Tab

Radio Buttons

Radio buttons are similar to buttons, but come in sets and are latched. Only one button from a set can be enabled at a time. Data is written to the MAX20343 when a radio button is pressed. A radio button with a blue fill is considered “pressed” and indicates the corresponding bit is set to 1. For example, the Buck-Boost Enable radio buttons control the BBstEn bit. The bit has two options, but can hold only one value.

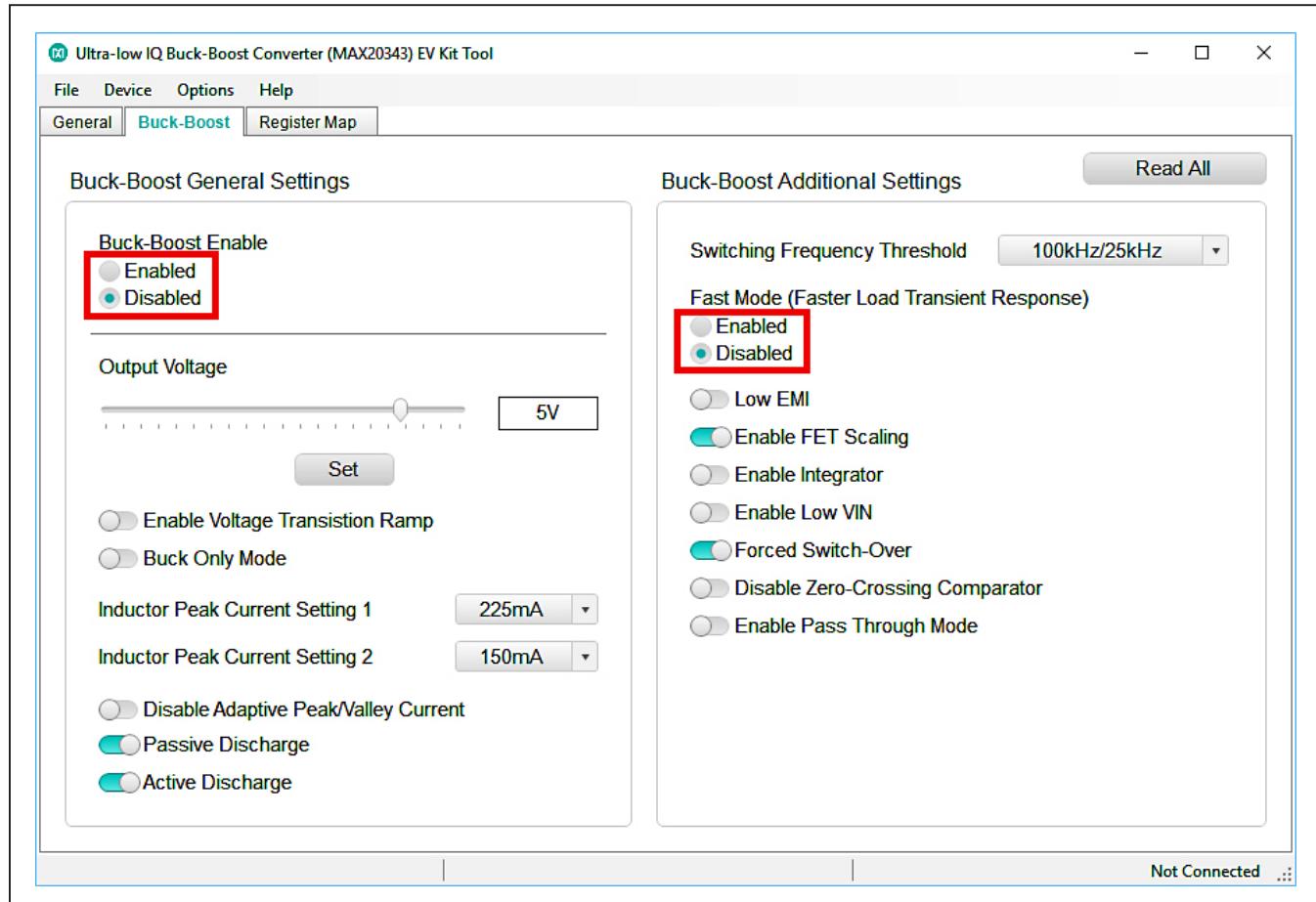


Figure 8. Radio Buttons on the Buck-Boost Tab

Toggle Switches

Toggle switches set individual bits and latch to indicate the bit state. The GUI writes data when the toggle switch is pressed. Unlike radio buttons, toggle switches can be enabled in any combination. A toggle switch with a blue fill indicates the corresponding bit is set to 1.

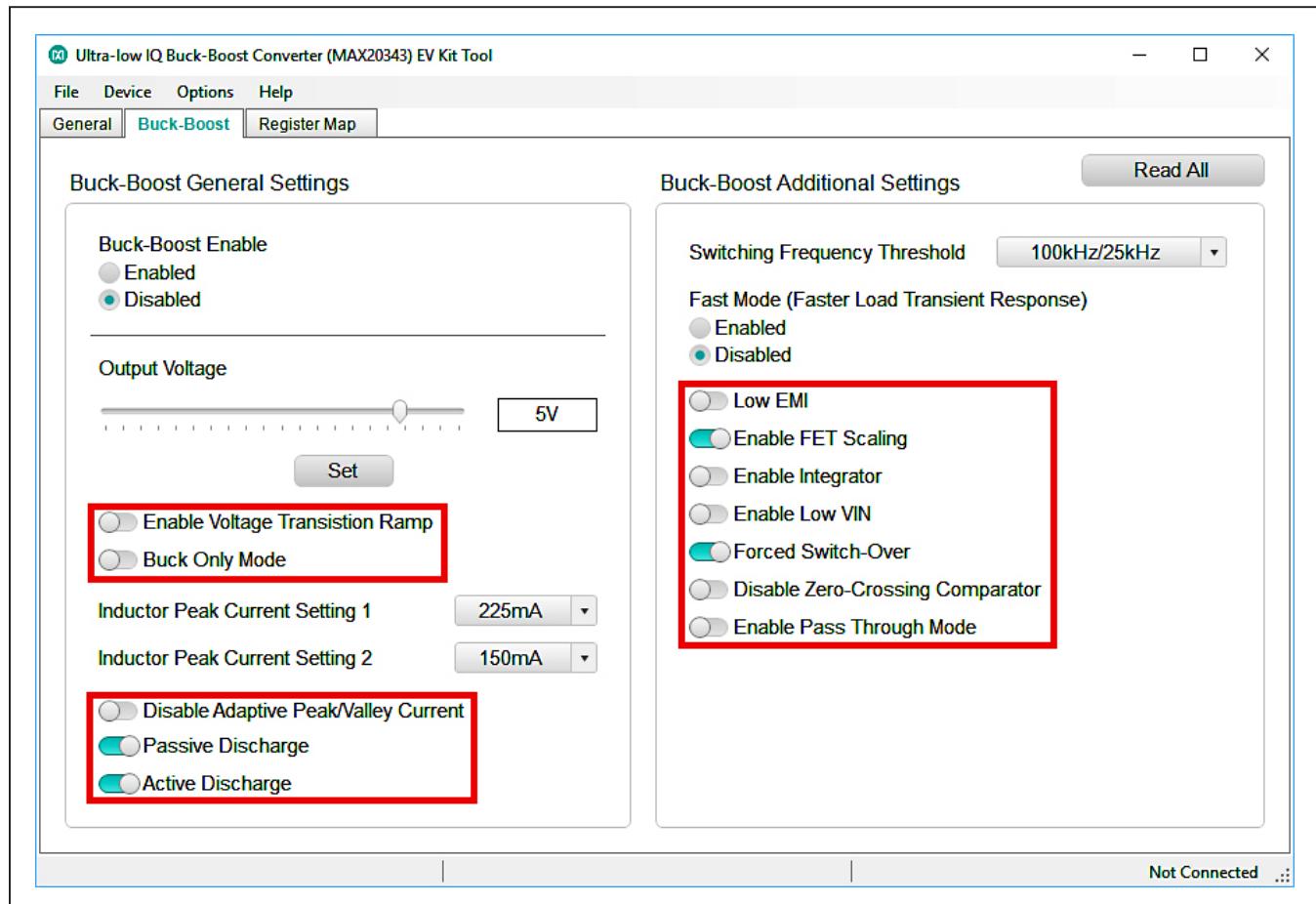


Figure 9. Toggle Switches in the Buck-Boost Tab

Drop Downs

Drop down lists allow a bitfield value to be selected from a list of all possible values. To expand a list, click on the downward arrow on the right of the displayed value. The GUI writes data when the value is selected from the list.

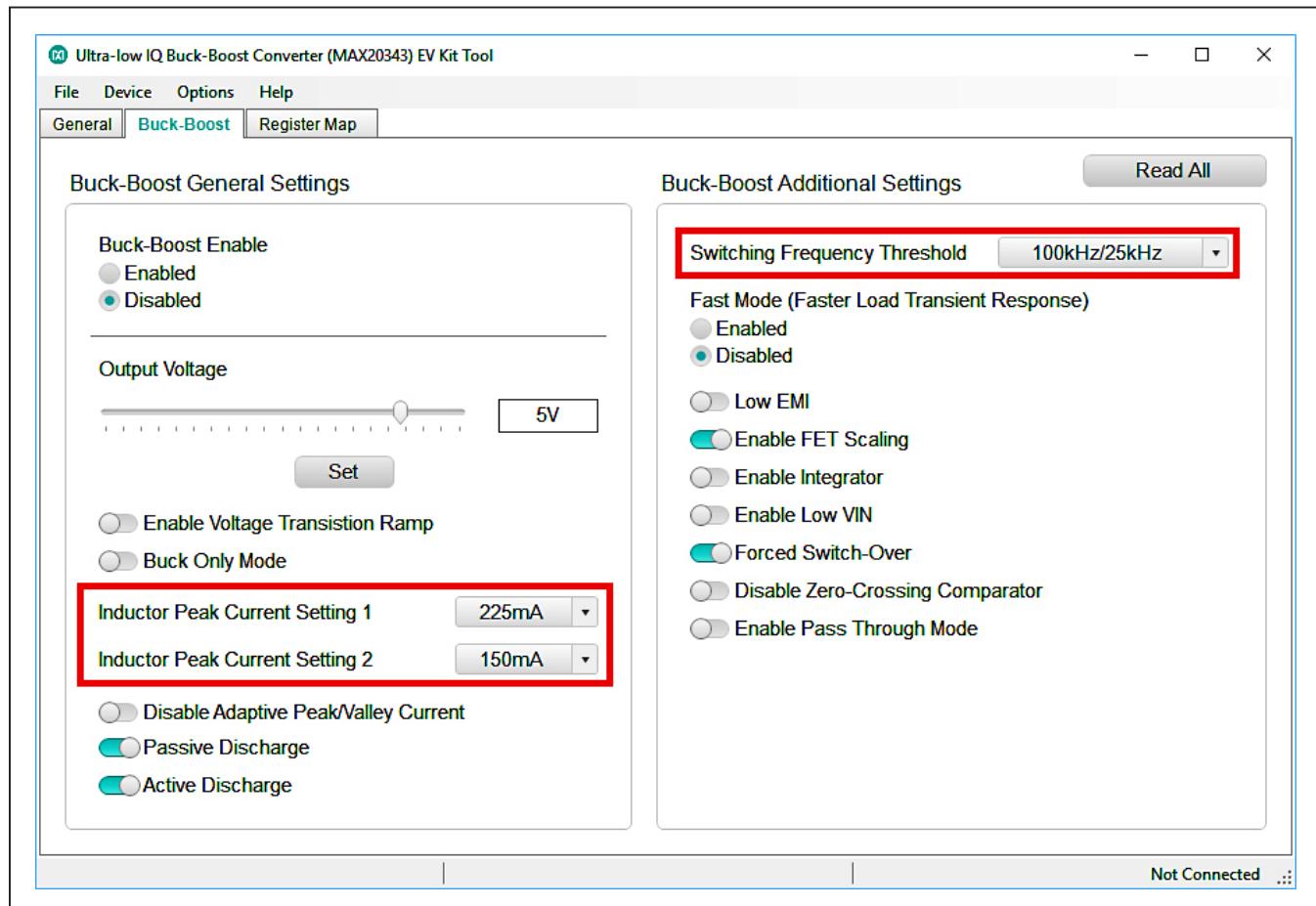


Figure 10. Drop Down lists in the Buck-Boost Tab

Sliders

Sliders select a specific value when there is a large number of potential values. For example, the Output Voltage slider in the Buck-Boost tab selects the BBstVSet value out of the 64 possible values. The value selected by a slider is displayed in the text box to the right of the slider. Note that selecting a value on the slider **does not** write the value to the MAX20343. To write slider data, press the button that corresponds to the slider.

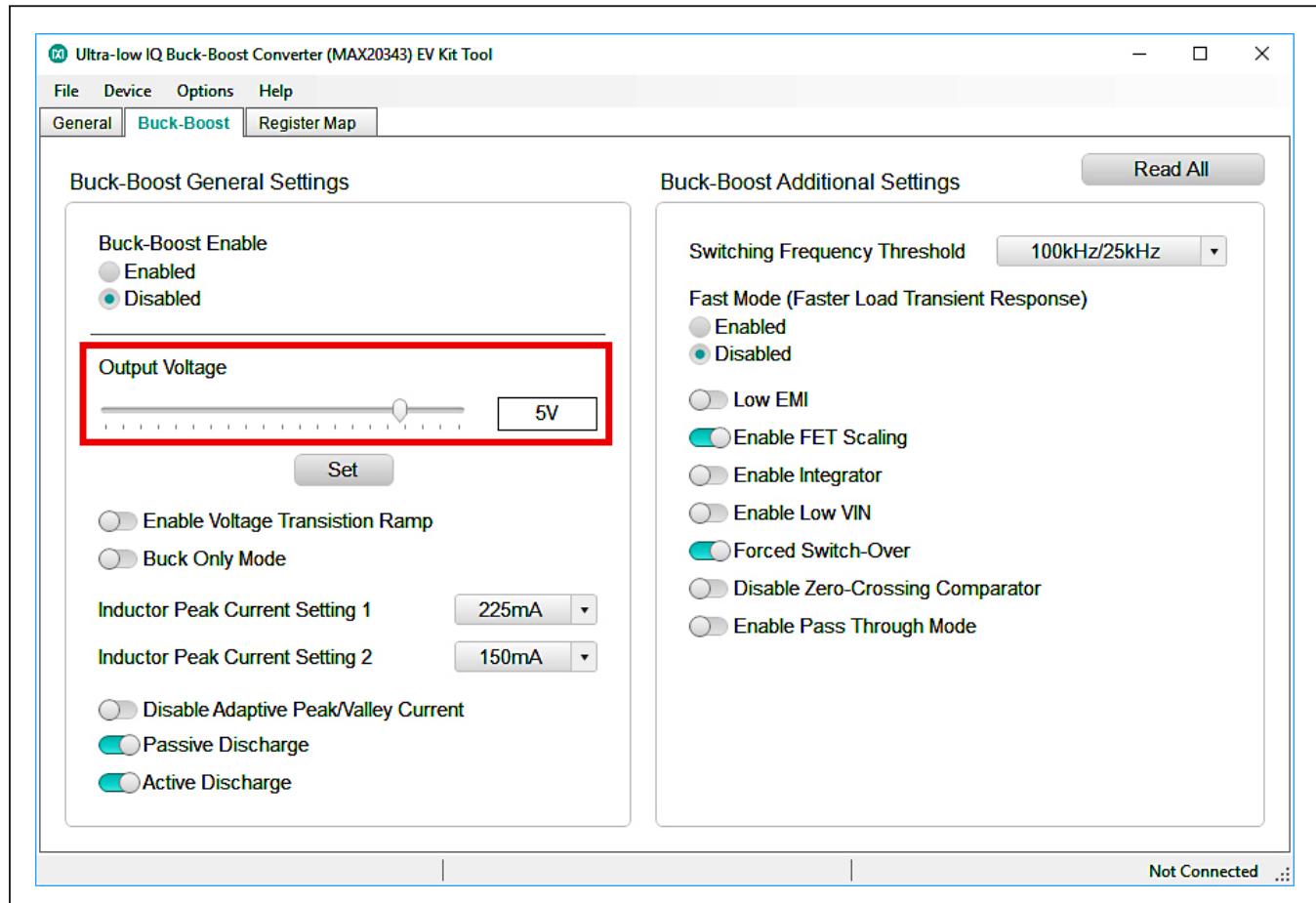


Figure 11. Slider in the Buck-Boost Tab

GUI Tabs

The MAX20343 GUI is organized into three tabs: General, Buck-Boost, and Register Map. Clicking on a tab name opens the tab.

General Tab

The General tab configures and reads data that is mostly independent of the buck-boost performance.

This includes reading back the status bits, locking and unlocking the output voltage setting, enabling FAST mode through the FAST pin, and masking and unmasking interrupts from the INT pin.

To use the FAST and INT functions, shunt jumpers must be installed on J5 and J7, respectively, to connect the pins to the USB bridge.

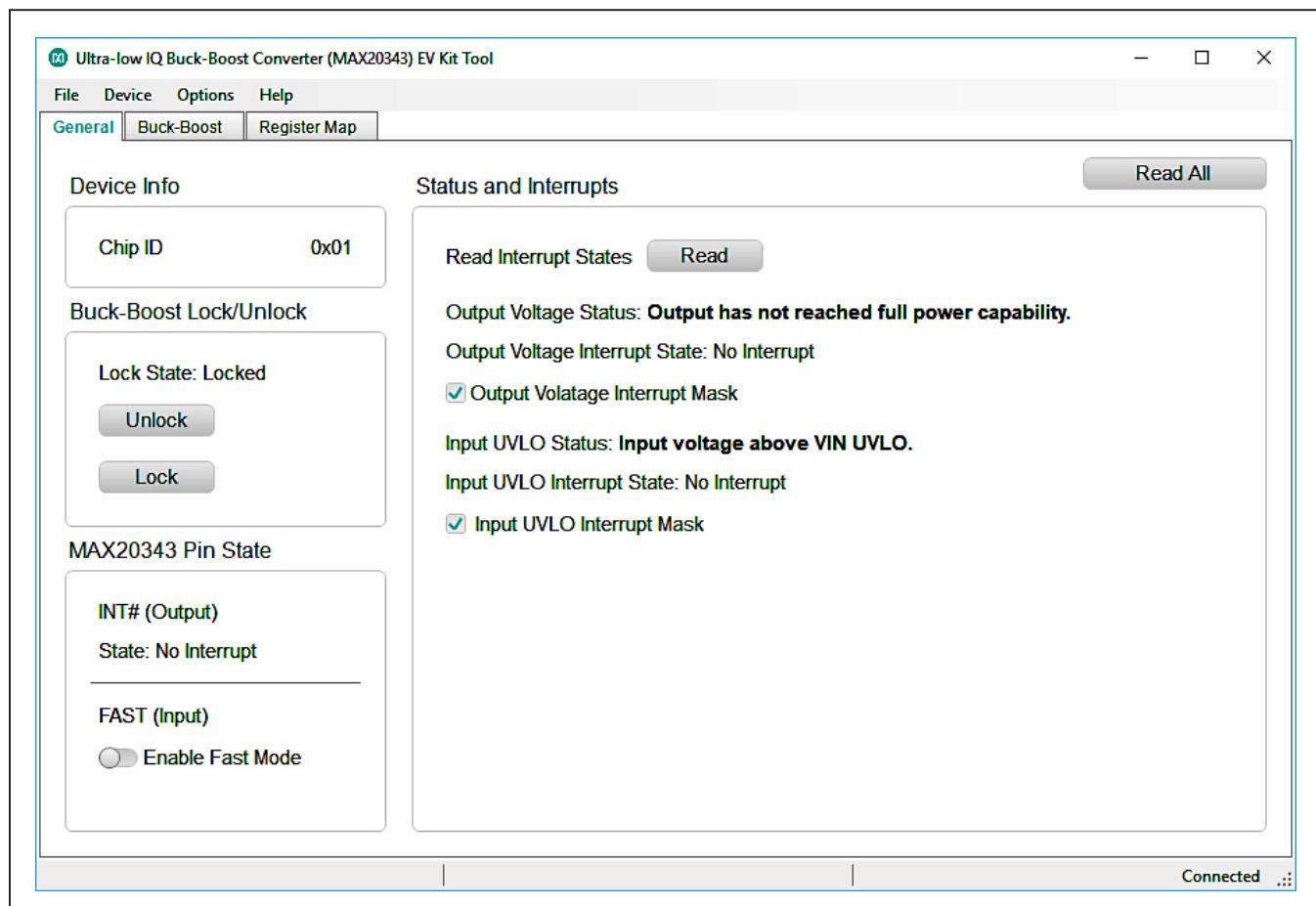


Figure 12. General Tab

Buck-Boost Tab

The Buck-Boost tab reads and configures settings that directly affect the buck-boost performance and output. Refer to the *MAX20343 IC data sheet* for more information regarding the functions and settings.

Note that the Fast Mode control in the Buck-Boost tab writes the BBstFast bit instead of toggling the FAST pin as in the General tab.

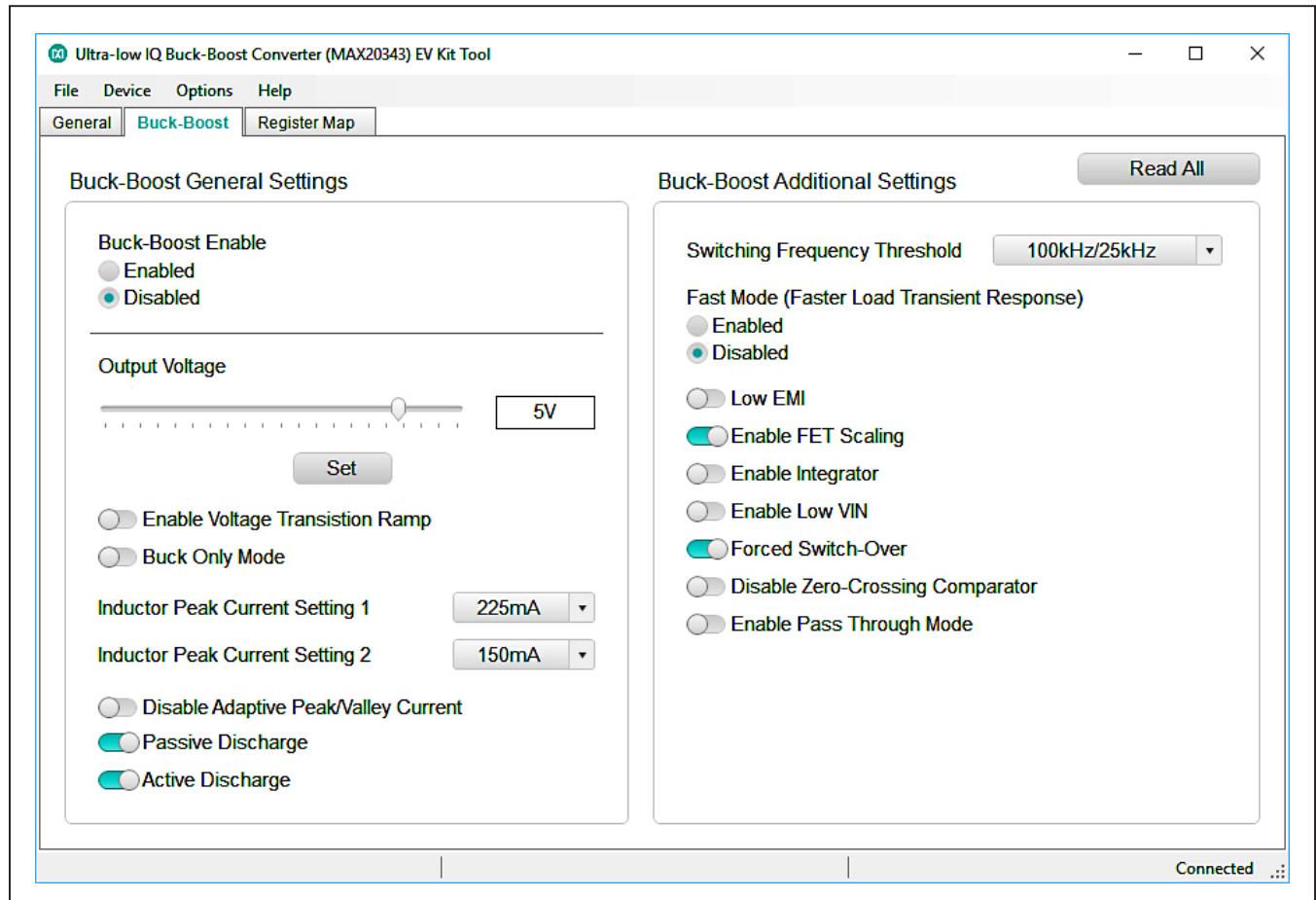


Figure 13. Buck-Boost Tab

Register Map Tab

The Register Map tab presents the full MAX20343 register map for reading and configuring bit settings.

To open a register, click on the register in the left section of the tab. Register values are updated automatically when that register is selected. Registers can be read

manually by pressing the Read button in the bottom right section, or by pressing Read All in the top left.

To write data to a register, set the bit values and press the Write button. Bits are set by clicking on the bit name in the bottom section of the tab. A boldface bit is 1 while a regular face bit is 0.

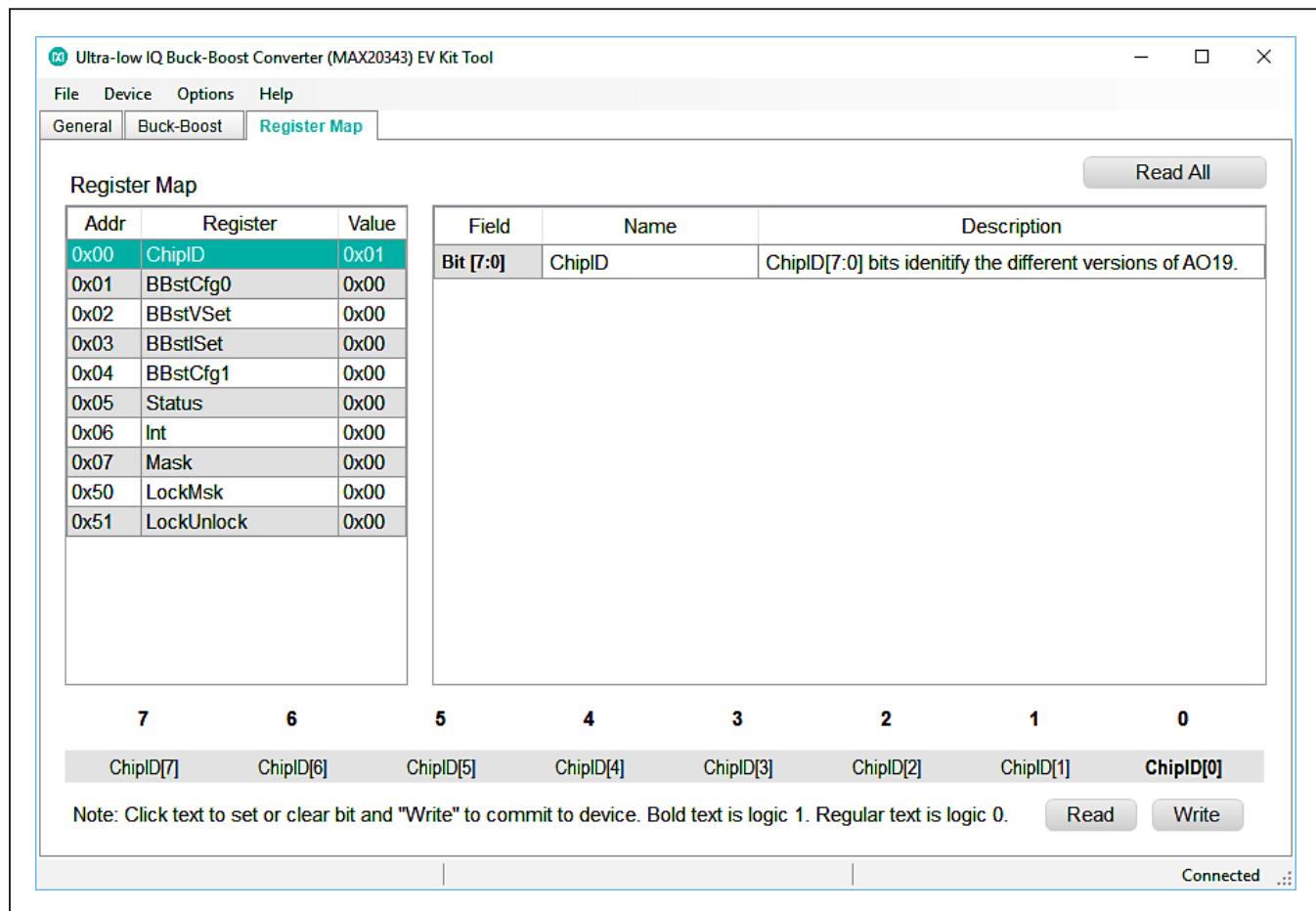


Figure 14. Register Map Tab

Detailed Description of Hardware

The MAX20343 EV kit is a fully assembled and tested PCB for evaluating the MAX20343 buck-boost regulator. Although the I²C version of the MAX20343 is installed on the EV kit, the buck-boost function is identical in the single-pin-enable version of MAX20343 and the EV kit can be used to identify the optimal settings for an application. The GUI cannot be used to evaluate the single-pin-enabled MAX20343.

PC to I²C USB Bridge

To simplify evaluation using the MAX20343 EV kit GUI, the MAX20343 EV kit has an on-board USB to I²C bridge. An FTDI FT2232 translates communication from the host PC into I²C to control the MAX20343. Additionally, the FT2232 reads the INT status and toggles the FAST pin.

To connect the MAX20343 I²C pins to the FT2232, install shunt jumpers in the 1-2 positions of J3 and J4.

Status Indicators

Several status indicators for LEDs on the EV kit communicate the board and MAX20343 states. LEDs that correspond to MAX20343 signals are driven by the U2 and U3 buffers. These signals are INT/PGOOD, INGOOD, and EN. Signals can be connected or disconnected from the buffers using 0Ω resistors. Because the I²C version of MAX20343 installed on the EV kit replaces INGOOD and EN with SCL and SDA, these signals are not connected by default. [Table 1](#) lists the LED indicators and their corresponding signals.

Note that the U2 buffer that drives the INT/PGOOD LED is inverting. If the EV kit is used with a single-pin-enabled device, U2 should be replaced with NC7WZ125KBX.

Table 1. LED Status Signals

LED	SIGNAL/FUNCTION
D1	FAST Control. Indicates the state of the external FAST control pin when controlled by the FT2232.
D2	INT/PGOOD. Indicates when an unmasked interrupt is triggered (I ² C version) or that the output voltage is high enough to support full load operation (single-pin-enabled version).
D3	Enable. Indicates the state of the EN pin (single-pin-enabled version).
D4	INGOOD. Indicates that the input voltage is high enough to support full load operation (single-pin-enabled version).
D5	Device Connected. Indicates that the GUI is connected to the EV kit.

Test Points

Test points enable easy probing and measuring of voltages and signals. See [Table 2](#) for a list of all test points and their corresponding signals.

The uninstalled test points TP16-TP19 can be used to make an oscilloscope probe point for probing the buck-boost output voltage. TP16 connects to V_{OUT} and TP17-TP19 connect to GND. By attaching a ground spring to any of the three GND test points and probing TP16, an easily accessible, low-inductance probe point becomes available.

Table 2. Test Point Assignments

TEST POINT	SIGNAL
TP1	External V _{IN} Supply. Select the external supply by placing a shunt jumper on J1 in the 2-3 position.
TP2	GND
TP3	Jumper J2 Connection. Connect to output load if a shunt jumper is installed on J2.
TP4	GND
TP5	V _{IN} . Connect to input voltage to bypass J1.
TP6	GND
TP7	SDA (I ² C version) or EN (single-pin-enabled version)
TP8	GND
TP9	SCL (I ² C version) or INGOOD (single-pin-enabled version)
TP10	GND
TP11	INT (I ² C version) or PGOOD (single-pin-enabled version)
TP12	GND
TP13	FAST Control (I ² C version)
TP14	External Logic Supply. Select the external supply by placing a shunt jumper on J8 in the 1-2 position.
TP15	GND
TP16	V _{OUT}
TP17	GND
TP18	GND
TP19	GND

Jumpers**Table 3. Jumper Configurations**

JUMPER	SHUNT POSITION	DESCRIPTION
J1	1-2	Connects V_{IN} of the MAX20343 to the Board 3.3V Supply.
	2-3*	Connects V_{IN} of the MAX20343 to TP1.
J2	Installed*	Connects V_{OUT} of the MAX20343 to TP1.
	Not Installed	V_{OUT} of the MAX20343 disconnected from TP1.
J3	1-2*	Connects SDA of the MAX20343 to the FT2232. If a shunt jumper is also installed in the 1-2 position of J4, the GUI can communicate with the MAX20343.
	2-3	Connects EN of the MAX20343 to J6.
J4	1-2*	Connects SCL of the MAX20343 to the FT2232. If a shunt jumper is also installed in the 1-2 position of J3, the GUI can communicate with the MAX20343.
	2-3	Connects a 10kΩ pullup resistor from INGOOD to 3.3V.
J5	Installed*	Connects FAST to the output of U2 for GUI FAST control.
	Not Installed	FAST not controllable by the GUI.
J6	Installed	Connects pin 3 of J3 to 3.3V.
	Not Installed*	Pin 3 of J3 connected to a 10kΩ pulldown resistor to GND.
J7	Installed*	Connects \overline{INT} to the FT2232. The GUI can read the \overline{INT} state.
	Not Installed	\overline{INT} not connected to the FT2232. The GUI cannot to read the \overline{INT} state.
J8	1-2	MAX20343 logic voltage connected to TP14.
	2-3*	MAX20343 logic voltage connected to board 3.3V supply.
J9	Installed*	Connects the board 3.3V Supply to U2.
	Not Installed	U2 Unpowered
J10	Installed	Connects the Board 3.3V Supply to U3.
	Not Installed*	U3 Unpowered

*Default position.

Component Suppliers

SUPPLIER	WEBSITE
Murata Americas	www.murata.com/en-us

Note: Indicate that you are using the MAX20343 when contacting these component suppliers.

Ordering Information

PART	TYPE
MAX20343EVKIT#	EV Kit

#Denotes a RoHS-compliant device that may include lead(Pb) that is exempt under the RoHS requirements.

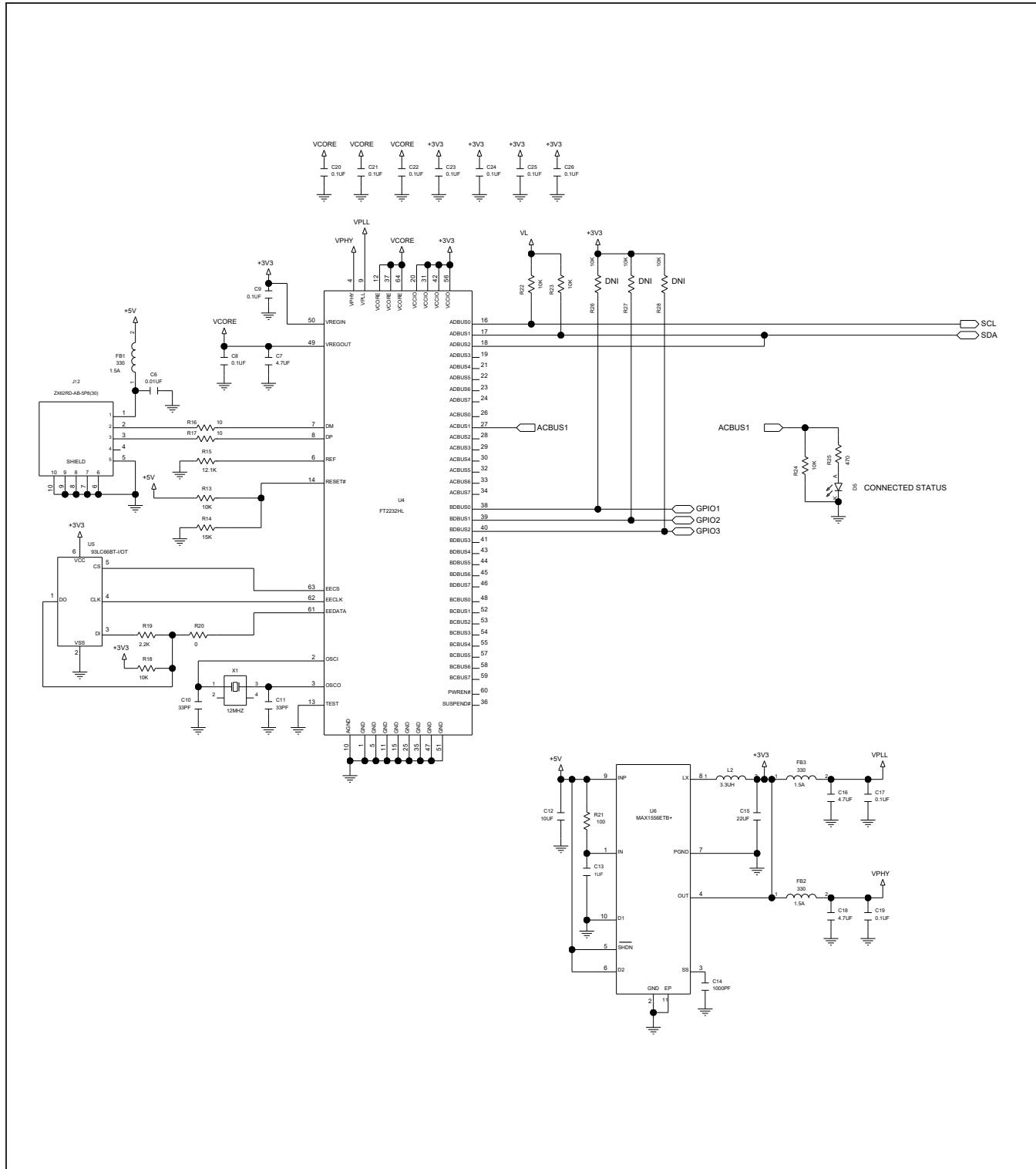
MAX20343 Evaluation Kit

Evaluates: MAX20343

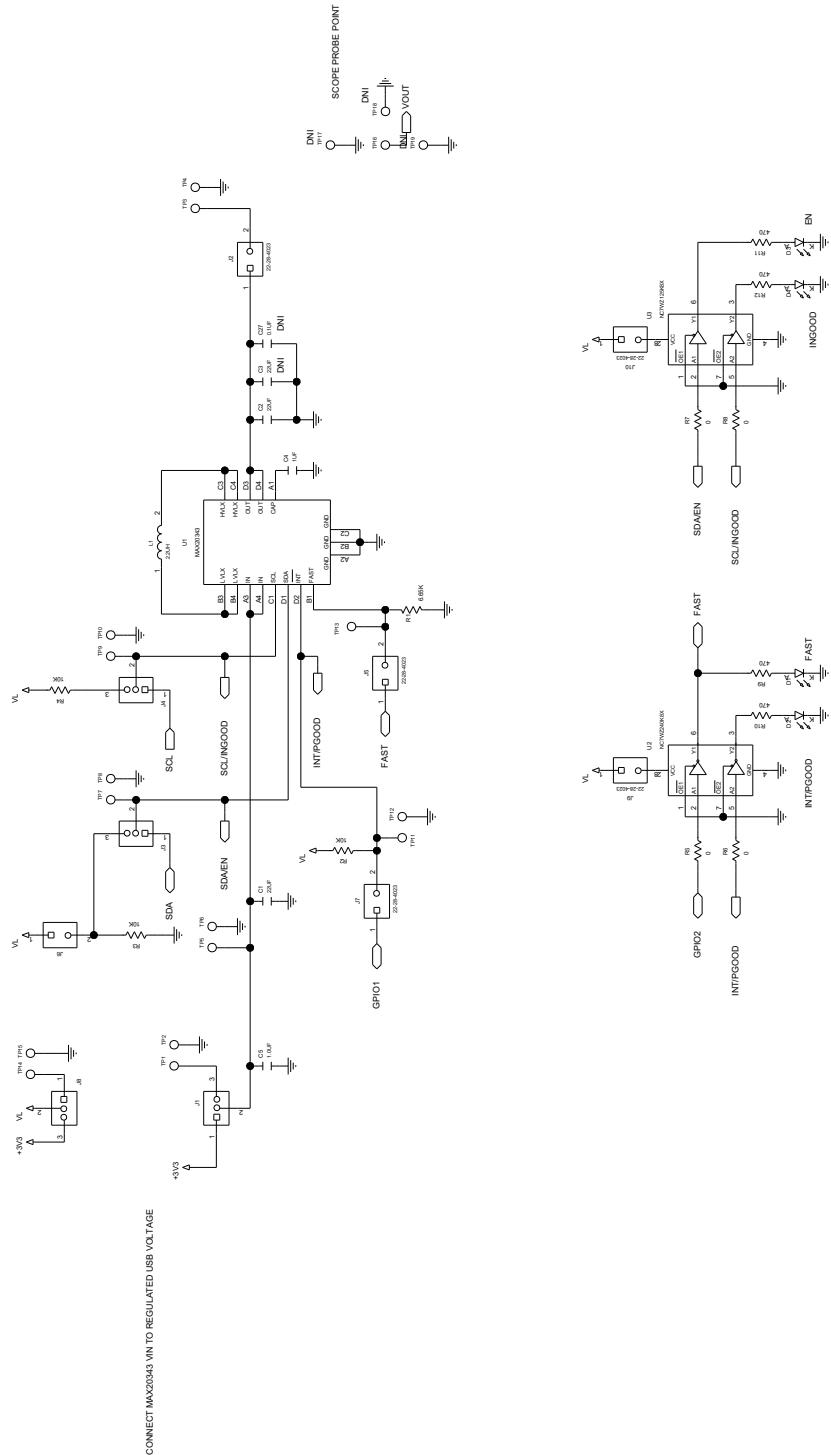
MAX20343 EV Kit Bill of Materials

ITEM	REF DES	QTY	MGD PART #	MANUFACTURER	VALUE	DESCRIPTION
1	C1, C2	2	GRM155R62226ME11	MURATA	22UF	CAPACITOR, SMT (0402), CERAMIC CHIP, 22nF, 6.3 V, TOL=<20%, TC=<5%
2	C4	1	GRM03361A0SM15	MURATA	1UF	CAPACITOR, SMT (0201), CERAMIC CHIP, 1UF, 1nV, TOL=<20%, TG=<5%, DEGC, TC=<5%
3	C5	1	1GMK07B1U05A, C1608X5R1V05K0B0B	TANOUDEUTIK	1.0UF	CAPACITOR, SMT (0603), CERAMIC CHIP, 1.0UF, 10V, TOL=<20%, TG=<5%, DEGC, TC=<5%
4	C6	1	1GMK07B1U05A, C1608X5R1V05K0B0B	KEMETMURATA/VENKEL LTD.	0.01UF	CAPACITOR, SMT (0603), CERAMIC CHIP, 0.01UF, 50V, TOL=<20%, XTR, -55degC to +125degC
5	C7, C16, C18	1	1GMK07B1U05A, C1608X5R1V05K0B0B	MURATA/AVX	4.7UF	CAPACITOR, SMT (0603), CERAMIC CHIP, 4.7UF, 10V, TOL=<20%, TG=<5%, MODEL=GRM SERIES, TG=<5%, DEGC TO +125 DEGC, TC=XTR
6	C8, C17, C19-C26	11	NCR80138861H105KA1, C1608X5R1V05K0B0B	KEMET/TDK/PANASONIC, KEMET/TDK/SAMSUNG ELECTRONICS	0.1UF	CAPACITOR, SMT (0603), CERAMIC CHIP, 0.1UF, 50V, TOL=<10%, TG=<5%, DEGC TO +125 DEGC, TC=<5%
7	C10, C11	2	CDG03C1305GAC, GRM1885C1H330A01, ECU-V1H330LVC	KEMETMURATA/VENKEL	33PF	CAPACITOR, SMT (0603), CERAMIC CHIP, 33PF, 50V, %CG, 55degC to +125degC, 0 / -50PM, dB/degC
8	C12	1	1EMW2124BAL0K0	SAMSUNG ELECTRONICS/MURATA/YUDEN	1.0UF	CAPACITOR, SMT (0603), CERAMIC CHIP, 1.0UF, 16V, TOL=<10%, TG=<5%, DEGC TO +125 DEGC, TC=<5%
9	C13	1	1UNK107BU105A, C1608X5R1H105KA1	TAYO YUDEN/TOKYO SAMSUNG/MURATA	1.0UF	CAPACITOR, SMT (0603), CERAMIC CHIP, 1.0UF, 50V, TOL=<10%, TG=<5%, DEGC TO +125 DEGC, TC=<5%
10	C14	1	1UNK107BU105A, C1608X5R1H105KA1	KEMETMURATA/VENKEL	1.0UF	CAPACITOR, SMT (0603), CERAMIC CHIP, 1.0UF, 50V, TOL=<10%, TG=<5%, DEGC TO +125 DEGC, TC=<5%
11	C15	1	1UNM2120126M016, C121A26M0CL0N	KEMETMURATA/TAYO/YUDEN/SAMSUNG EL	22UF	CAPACITOR, SMT (0805), CERAMIC CHIP, 22nF, 6.3 V, TOL=<20%, TG=<5%, DEGC TO +125 DEGC, TC=<5%
12	D1, D5	5	1500600V575000	WURTH ELECTRONICS INC	1500600V575000	DIODE LED, W/L, SMD CHIP LED TOV VIEW MONO COLOR WATER CLEAR, GREEN, SMT (0603); V/F2W-IF-02A
13	F81-B3	1	3BLU21B3151N1	MURATA	330	INDUCTOR, SMT (0805), FERRITE BEAD, 330, TOL=>/-25%; 1.5A
14	J13, J4, J8	4	4J22-28-0334	MOLEX	"22-28-033"	CONNECTOR, MALE, THROUGH-HOLE, FLAT, VERTICAL BREAKAWAY, STRAIGHT, 4-PINS
15	J13, J7, J9, J10	6	4J22-28-0423*	MOLEX	"22-28-0423"	CONNECTOR, MALE, THROUGH-HOLE, FLAT, VERTICAL BREAKAWAY, STRAIGHT, 6-PINS
16	J12	1	1J26202D-AB-SPI030	HURICO ELECTRIC CO LTD.	26202D-AB-SPI030	CONNECTOR, MALE, THROUGH-HOLE, MICRO-USB CONNECTOR, MEETING REQUIREMENTS OF USB 2.0 STANDARD, RIGHT ANGLE, 3-PINS
17	J13	1	1JH21201212ZM	MURATA	2.0UF	INDUCTOR, SMT (0805), SHIELDED, 2.0H, 20% 2.3A, TOL=>/-10%, 0.9A
18	J12	1	1JH212113210000	PANASONIC	3.0UF	INDUCTOR, SMT (1812), 1.0H, 10% 3.0A, TOL=>/-10%, 0.9A
19	R1	1	1FR212113210000	PANASONIC	6.65K	RESISTOR, 0402, 6.65K OHM, 1%, 100PPM, 0.10W, THICK FILM
20	R2, R18, R22, R24	7	1FR212113210000	VISHAY DALE/VAGO THICK FILM	1.0K	RESISTOR, 0402, 1.0K, 1%, 100PPM, 0.0625W, THICK FILM
21	RS-R8, R20	5	1FR212113210000	VISHAY DALE/VAGO, VISHAY DALE	0.01K	RESISTOR, 0402, 0.01OHM, 0%, 100PPM, 0.01W, THICK FILM
22	RS-R12, R25	1	1FR212113210000	PANASONIC	10K	RESISTOR, 0402, 10K OHM, 5%, 200PPM, 0.1W, THICK FILM
23	R13	1	1FR212113210000	PANASONIC	15K	RESISTOR, 0402, 15K OHM, 1%, 100PPM, 0.1W, THICK FILM
24	R14	1	1FR212113210000	PANASONIC	10K	RESISTOR, 0402, 10K OHM, 5%, 200PPM, 0.1W, THICK FILM
25	R15	1	1FR212113210000	PANASONIC	12.1K	RESISTOR, 0402, 12.1 OHM, 1%, 100PPM, 0.1W, THICK FILM
26	R16, R17	2	1CRCW0402100PFR-0010D, 1CRCW0402100PFR-0010T	VISHAY DALE/FRCHM	10	RESISTOR, 0402, 10OHM, 1%, 100PPM, 0.1W, THICK FILM
28	R21	1	1CRCW0402100PFR-0010F, 1CRCW0402100PFR-0720RL	VISHAY DALE/PANASONIC	2.1K	RESISTOR, 0402, 2.1K OHM, 1%, 100PPM, 0.0625W, THICK FILM
29	SU1-SUB	8	8S1100B-SK1101-B-5TC025YAN	KYCON/KYCON/SULINS ELECTRONICS CORP.	SK1100-B	TEST POINT, JUMPER, STR, TOTAL LENGTH=0.45IN, BOARD HOLE=0.03IN, BLACK, PHOSPHOR BRONZE
30	TP1, TP3, TPS	3	5010 KEYSTONE	N/A	TEST POINT, PIN DIAG=0.25IN, TOTAL LENGTH=0.45IN, BOARD HOLE=0.03IN, BLACK, PHOSPHOR BRONZE	
31	TP2, TP4, TPS	3	5011 KEYSTONE	N/A	TEST POINT, PIN DIAG=0.25IN, TOTAL LENGTH=0.45IN, BOARD HOLE=0.03IN, BLACK, PHOSPHOR BRONZE	
32	TP7, TP14	2	5116 KEYSTONE	N/A	TEST POINT, PIN DIAG=0.25IN, TOTAL LENGTH=0.45IN, BOARD HOLE=0.03IN, BLACK, PHOSPHOR BRONZE	
33	TP8, TP10, TP12, TP15, TR16	5	5001 KEYSTONE	N/A	TEST POINT, PIN DIAG=0.25IN, TOTAL LENGTH=0.45IN, BOARD HOLE=0.03IN, BLACK, PHOSPHOR BRONZE	
34	TP9	1	5004 KEYSTONE	N/A	TEST POINT, PIN DIAG=0.25IN, TOTAL LENGTH=0.45IN, BOARD HOLE=0.03IN, BLACK, PHOSPHOR BRONZE	
35	TP11, TP13	2	5002 KEYSTONE	N/A	TEST POINT, PIN DIAG=0.25IN, TOTAL LENGTH=0.45IN, BOARD HOLE=0.03IN, WHITE, PHOSPHOR BRONZE	
36	U1	1	1MAX20331EVE#	MAXIM	1.0V, SILVER	LINEAR, PANT, IC, ULTRA-LOW QUIESCENT CURRENT, LOW NOISE 3.5W BUCK/BOOST REGULATOR, MP116, PACKAGE OUTLINE: 24-10032B, PACKAGE CODE: W/B1C24
37	U2	1	1NC7W224018X	ON SEMICONDUCTOR	NCT7W224018X	IC, BUE: UNIPOLAR/DUAL INVERTING BUFFER WITH 3 STATE OUTPUTS, SR-8
38	U3	1	1NC7W22518X	ON SEMICONDUCTOR	NCT7W22518X	IC, BUE: UNIPOLAR/DUAL INVERTING BUFFER WITH 3 STATE OUTPUT, US-8
39	U4	1	1FT2232HL	FUTURE TECHNOLOGY DEVICES INT'L LTD.	F72232HL	FUTURE TECHNOLOGY DEVICES INT'L LTD., 1FT2232HL, HIGH SPEED I2C BUS TO MULTIPURPOSE UART/FIFO, LQFP64
40	U5	1	1MAX1556BE#-10T	MAXIM	391CC66B-10T	MAX1556BE#-10T, IC, CONV, PWM STEP-DOWN DC-DC CONVERTER, IDN10EP3X3
42	X1	1	1FC-120-20-33	ECS INC	1.2MHz	CRYSTAL, 120MHZ, +/-50PPM
43	PEB	1	1MAX2033	MAMMA	IC, MAX2033	CAPACITOR, SMT (0402), CERAMIC CHIP, 1.0UF, 6.3 V, TOL=>/-20%, TG=<5%
44	C3	0	0GRM155R62226ME11	MURATA	0.1UF	+10% DEGC, TC-XES
45	C7	0	0ILL155C18010MED1	MURATA	0.1UF	RESISTOR, 0402, 0.1K, 10%, 100PPM, 0.0625W, THICK FILM
46	R16-R28	DNP	0CRCW0402100PFR-0010PFR-0710NL	VISHAY DALE/VAGO THICK FILM	N/A	TEST POINT, PIN DIAG=0.1IN, TOTAL LENGTH=0.3IN, BOARD HOLE=0.03IN, WHITE, PHOSPHOR BRONZE
47	TP17-TP19	DNP	0	N/A	N/A	WIRE, SILVER PLATE FINISH
TOTAL		103				

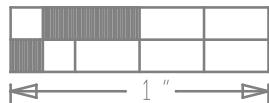
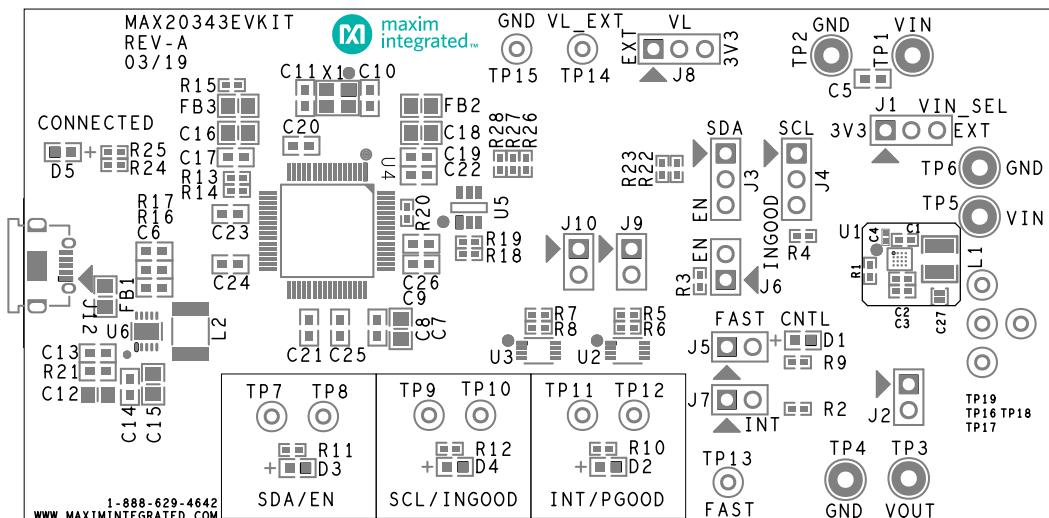
MAX20343 EV Kit Schematics



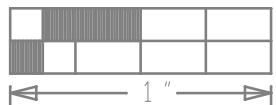
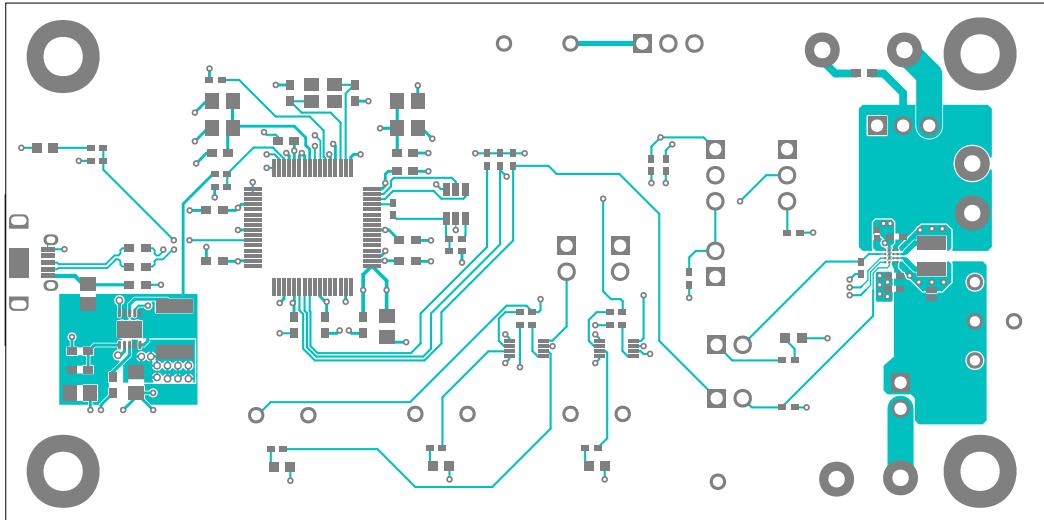
MAX20343 EV Kit Schematics (continued)



MAX20343 EV Kit PCB Layout Diagrams

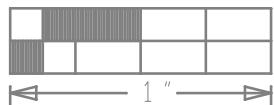
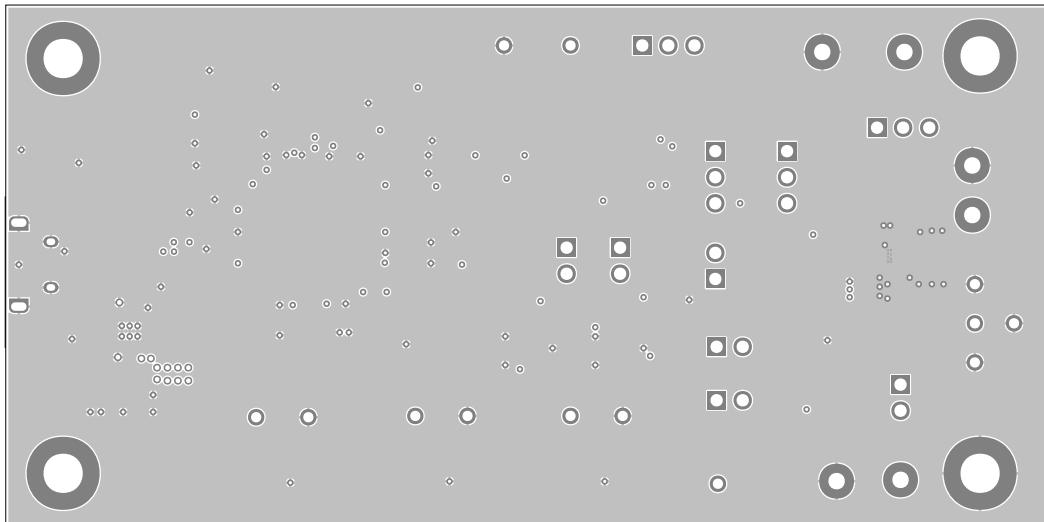


MAX20343 EV Kit PCB Layout—Top Silkscreen

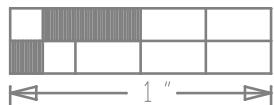
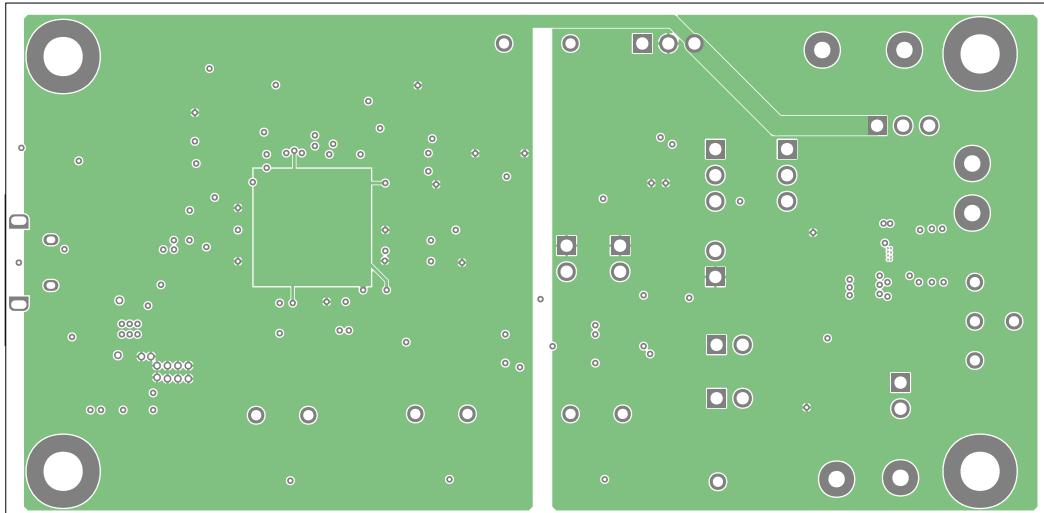
MAX20343 EV Kit PCB Layout Diagrams (continued)

MAX20343 EV Kit PCB Layout—Top Layer

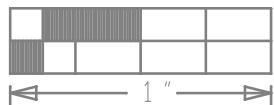
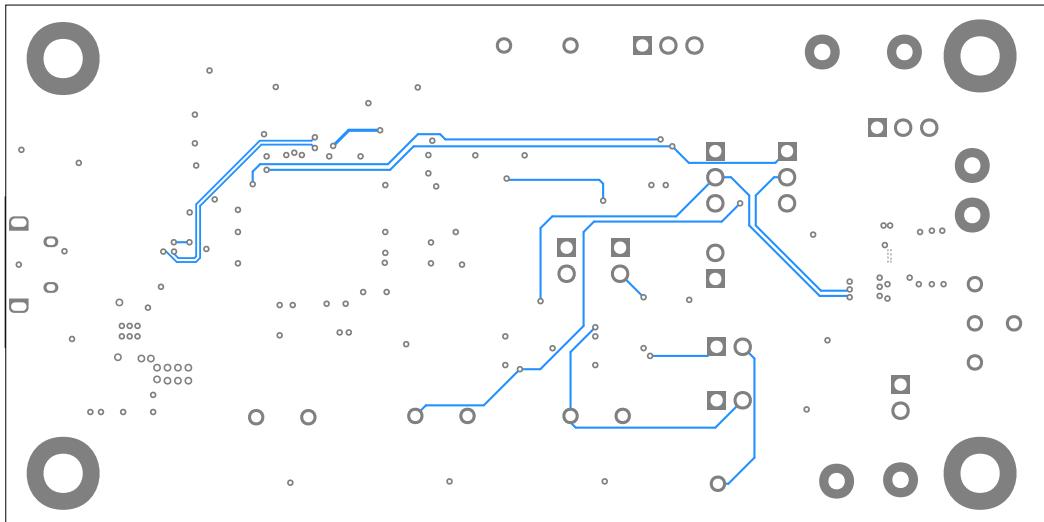
MAX20343 EV Kit PCB Layout Diagrams (continued)



MAX20343 EV Kit PCB Layout—Layer 1

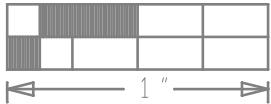
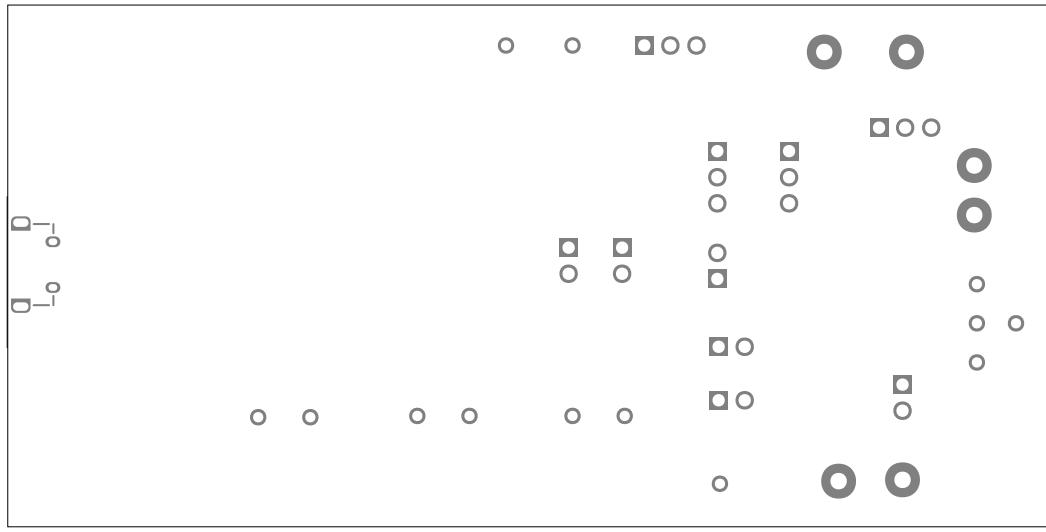
MAX20343 EV Kit PCB Layout Diagrams (continued)

MAX20343 EV Kit PCB Layout—Layer 2

MAX20343 EV Kit PCB Layout Diagrams (continued)

MAX20343 EV Kit PCB Layout—Bottom Layer

MAX20343 EV Kit PCB Layout Diagrams (continued)



MAX20343 EV Kit PCB Layout—Bottom Silkscreen

Revision History

REVISION NUMBER	REVISION DATE	DESCRIPTION	PAGES CHANGED
0	3/19	Initial release	—

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