

MAX20830 Evaluation Kit

General Description

The MAX20830 evaluation kit (EV kit) is a reference design platform designed for evaluation of the MAX20830/MAX20830T single-output, fully integrated, highly efficient, step-down DC-DC switching regulators with a PMBus[™] interface. The MAX20830/MAX20830T have an internal 1.8V LDO output to power the gate drives (V_{CC}) and internal circuitry (AVDD). The devices also have an optional LDO input pin (LDOIN), allowing connection from a 2.5V to 5.5V bias input supply for optimized efficiency. The EV kit is capable of delivering up to 30A to the load. The EV kit package is a fully assembled and tested multilaver PCB implementation of high efficiency and high-power density.

The selection of key converter configuration parameters acting on two external resistors allows the design flexibility to match several application scenario requirements.

Refer to the MAX20830 IC data sheet for detailed information regarding the description, features, benefits, and parameters.

Features and Benefits

- Wide 2.7V to 16V Input Voltage Range
- 0.4V to 5.8V Output Voltage Range
- Selectable: Switching Frequency, OCP Threshold, DEM Feature, DCM Mode, Voltage Loop Gain, and PMBus Address
- High Efficiency and Power Density
- Low Component Count
- Proven PCB Layout
- Fully Assembled and Tested for Basic Functionality

Ordering Information appears at end of data sheet.

PMBus is a trademark of SMIF, Inc. Windows is a registered trademark of Microsoft Corp.

Quick Start

Required Equipment

- MAX20830 EV Kit
- MAX20830 EV Kit Data Sheet (This Document)
- 2.7V to 16V Power Supply with Optional 3.3V External Power Supply
- 0 to 30A Load
- Digital Multimeters
- Oscilloscope and Probes
- Windows[®] PC with a Spare USB Port
- MAXPOWERTOOL002 USB-to-SMBus Interface (Order Separately)
- Maxim Digital PowerTool GUI Software

Procedure

The EV kit is fully assembled and tested. Use the following steps to install the EV kit software, make required hardware connections, verify basic board operations, and operate the EV kit.

Note: Do not supply VIN until the board has been correctly configured and has the input and output cables connected.

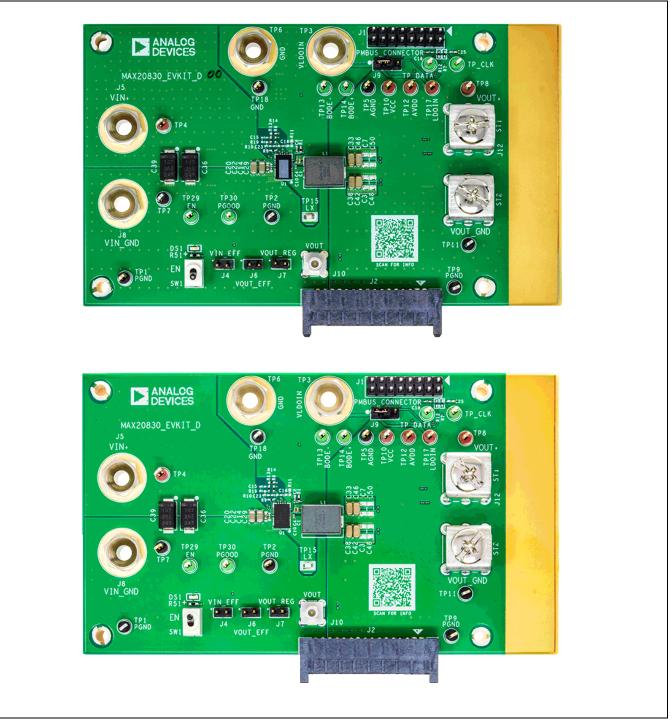
- 1. Visit the Analog Devices website to download and install the latest version of the <u>Digital PowerTool</u> <u>Software</u>.
- 2. Connect the USB cable from the PC to the MAXPOWERTOOL002 interface adapter.
- 3. Connect the adapter ribbon cable to the matching header J1 on the EV kit, ensuring that J1-Pin1 is adjacent to the red wire on the ribbon cable.
- 4. Connect a powered-off 2.7V to 16V input supply to J5 (positive terminal) and J8 (negative terminal). Optionally, connect supply sense leads to TP4 (positive sense) and TP7 (negative sense) for best accuracy. If external bias is preferred, connect a powered-off 3.3V power supply to TP3 (positive terminal) and TP6 (negative terminal).
- 5. Connect the electronic load to the outputs at screw terminals ST1 and ST2, being careful to observe the VOUT and GND polarity that is indicated by the silkscreen labels.
- Verify that the position of each jumper on the board is correct according to the configuration that needs to be tested (see <u>Table 1</u> for jumpers).
- 7. Connect the VOUT scope probe/multimeter to TP8 (positive) and TP11 (negative).
- 8. Turn on the power supply.
- 9. Start the GUI software. The **Dashboard** window should appear as shown in *Figure 1*.

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- 10. Enable the IC by positioning the SW1 toggle switch or by setting the OPERATION and ON_OFF_CONFIG commands in the PowerTool GUI.
- 11. Enable the electronic load if applicable.

- 12. Observe that V_{OUT} = 1V.
- 13. For efficiency measurement, J4 is used to measure VIN and J6 is used to measure VOUT.





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Table 1. Jumper Connection Guide

JUMPER	DEFAULT CONNECTION	FEATURE		
J9	SHORT 2-3	Use internal 1.8V V _{CC} for PMBus communication		
J4	OPEN	V _{IN} efficiency sensor point		
J6	OPEN	V _{OUT} efficiency sensor point		
J7	OPEN	V _{OUT} regulation test point		

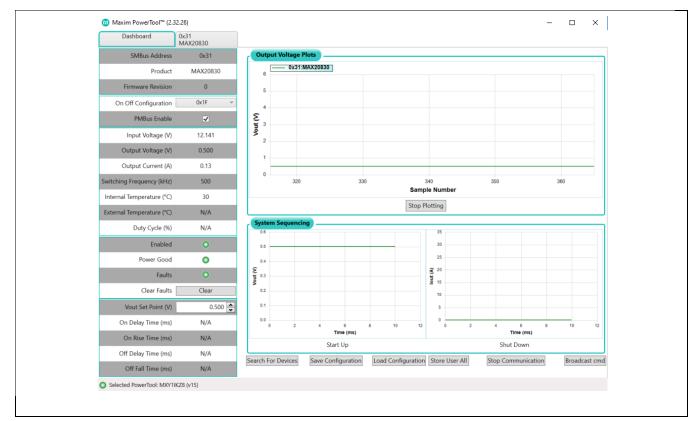


Figure 1. Maxim PowerTool Graphical User Interface Software Dashboard Window

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Detailed Description of Software

The PowerTool software presents system-level information on the **Dashboard** tab. This view collects basic information for all Analog Devices PMBus devices found on the bus. This tab configures sequencing and output voltage levels and presents an overview of the system status. Clicking the **Stop Communication** button stops all PMBus transactions from the PowerTool GUI. To force detection of all active devices on the bus, click the **Search for Devices** button.

For detailed information on a particular device, click on the sub-tab for that device's target address. This opens a view with a set of further sub-tabs specific to that device, as shown in <u>Figure 2</u>. The sub-tabs available vary depending on the GUI version and the connected device's capability, but typically include **Configuration**, **Monitor**, **Faults Set**, and **PMBus Command**.

The **Configuration** tab presents the most commonly used PMBus command data in human-readable form. The device status is updated by continuous polling of these commands. Configuration settings for an individual device can be saved to or restored from an external file. PMBus command settings can be saved to or restored from the device's internal nonvolatile memory as well.

The **Monitor** tab shows continuously updated telemetry data from the device. Rolling plots of output voltage, input voltage, output current, and temperature data are shown, including indication of fault limits relative to the operating point.

The **Faults Set** tab allows the user to configure and monitor the status of most protection and warning functions. The fault levels and fault response commands are configured from this tab. The full contents of the STATUS_ register commands are available by clicking the **View Fault/Warning bit by bit** button. Fault and warning flags are cleared by clicking the **Clear Fault/Warning** button, which sends the CLEAR_FAULTS PMBus command to the device.

The **PMBus Command** tab shows all supported PMBus commands in a series of sub-tabs, allowing detailed configuration and analysis of the command values. The user can view the command values in hexadecimal or decimal format by checking or clearing the **Force Hex** checkbox. The **Use PEC** checkbox enables or disables Packet Error Checking for all GUI communications. Note that the command data is continuously updated by polling; typing a new value into the text boxes causes the new value to be sent to the device.

Maxim PowerTool™ (2.32.26)				- 🗆 X	
Dashboard 0x31					
MAX20					
Monitor Faults Set PMBus Com					
PMBus Command	ForceHex Use PE	C MFR PINSTRAP and	MFR SCENARIOS		
Configure Faults Monitor	Store				
OPERATION	0x0001[7:0] 128.	000 🚔 🔿			
ON_OFF_CONFIG	0x0002[7:0] 31.	000 🚔	500 ki la		
VOUT_MODE	0x0020[7:0] 23.	Fsw D00	500 kHz ~		
VOUT_COMMAND		500 🚔 Voltage Loop Gain	15.7 kΩ ×		
VOUT_MAX	0x0024[15:0] 0.4	Advanced Modulatio	n Disabled v		
MFR_PINSTRAP		Advanced Modulatio	on usabled V		
MFR_SCENARIO_0	0x00D1[7:0] 12.	000 Slope Compensation	1050 nA ~		
MFR_SCENARIO_1	0x00D2[7:0] 36.	000 Slope Compensation 000 DCM Enable	Disable ~		
MFR_SCENARIO_2	0x00D3[7:0] 64.		Disable		
		OCP	38 A 🗸		
		Soft Startup Time	3 ms 🗸		
		VDDH OVLO Enable	Enable ~		
		Voltage Loop Zero	7.60 kHz 🗸		
		~			
<					>
Selected PowerTool: MXY1IKZ8 (v15)	O Device Firmware Version: 1				

Figure 2. Detailed View for One Device; Configuration Sub-Tab

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Detailed Description of Hardware

This EV kit should be used with the following documents:

- MAX20830 IC data sheet
- MAX20830/MAX20815/MAX20810 PMBus Command Set User Guide
- MAX20830 EV kit data sheet (this document)

For the latest versions of these documents, refer to the MAX20830 product page.

Bode Plot

A 10Ω resistor is installed between the VOUT sense point and SNSP pin to measure the Bode plot. The TP13 and TP14 test points are provided on the board on either side of the 10Ω resistor for small signal injection and the ability to measure the Bode plot for VOUT.

Operation

The MAX20830/MAX20830T ICs are monolithic, single-output, high-frequency, step-down converters with a PMBus interface and optional external bias LDO optimized for applications requiring high-power density and high efficiency. Detailed product and application information is provided in the MAX20830 IC data sheet.

Output Enable (OE)

The OE pin is used to enable/disable the operation and, therefore, the output voltage. On the EV kit board, the selection switch SW1 is present to allow enabling and disabling of the regulator.

Output Voltage Selection

The MAX20830 EV kit is set up to initially boot up to an output voltage of 1V. The device has a default 0.5V reference voltage. The reference voltage can be adjusted by the PMBus VOUT_COMMAND from 0.4V to 0.8V with 1.95mV resolution. When the output voltage is higher than V_{REF} , this is accomplished by placing a voltage-divider in the feedback path.

 $V_{OUT} = V_{REF} \times (1 + R_{FB1}/R_{FB2})$

where:

V_{OUT} = Output voltage

V_{REF} = Reference voltage

R_{FB1} = Top divider resistor

R_{FB2} = Bottom divider resistor

Soft-Start

When VDDH and EN are above their rising thresholds, soft-start begins and switching is enabled. The output voltage of the enabled output starts to ramp up. The default soft-start ramp time is 1ms. The 3ms soft-startup time option can be selected by the PMBus MFR_SCENARIO_1 command. The device supports smooth startup with the output prebiased.

Switching Frequency

Switching frequency is a programmable parameter, and PGM1 is used to select the switching frequency. For the EV kit, switching frequency is set to 500kHz by default. Refer to the *PGM1 Switching Frequency and Scenario Selection* table (Table 2) in the MAX20830 IC data sheet. Switching frequency can also be changed by using the PMBus MFR_PINSTRAP command.

Pin-Strap Programmability

The EV kit provides an option to configure the part for desired application using PGMx resistor values. Refer to Table 1 and Table 2 in the MAX20830 IC data sheet. Appropriate values of resistors R2 and R5 can be used for desired application.

Transient

The EV kit provides an option to connect to Analog Device's internal MINILOAD fast transient load generator to perform fast load transient testing through a J2 connector.

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Status Monitoring

Whenever the part is actively regulating and the output voltage is within the power-good window, the PGOOD pin is high. In all other conditions, including enabled but in a fault state, the PGOOD pin is pulled low. The detailed fault can be viewed in the GUI. Refer to the MAX20830 IC data sheet for more details.

Input-Voltage

The input supply can be monitored on TP4 for VDDH and TP7 for GND.

Switching-Voltage Monitoring

The switching waveform can be monitored on TP15.

Output-Voltage Monitoring

TP8 and TP11 monitor the output voltage. These test points should not be used for loading.

Efficiency Testing

J4 is provided to measure V_{IN} during efficiency measurement. Additionally, J6 is provided to measure V_{OUT} during efficiency measurement.

Ordering Information

PART	TYPE
MAX20830EVKIT#	EV Kit
MAX20830TEVKIT#	EV Kit

#Denotes RoHS-compliant.

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MAX20830 EV Kit Bill of Materials

ITEM	REF_DES	DNI/ DNP	QTY	MFG_PART#	MFG	VALUE	DESCRIPTION
1	C1	-	1	GRM155R60J475ME87; GRM153R60J475ME15; GRM155R60J475ME47	MURATA; MURATA; MURATA	4.7UF	CAP; SMT (0402); 4.7UF; 20%; 6.3V; X5R; CERAMIC
2	C2, C9, C11, C33, C38, C42, C46, C54, C55	-	9	GRM31CD80J107ME39	MURATA	100UF	CAP; SMT (1206); 100UF; 20%; 6.3V; X6T; CERAMIC
3	C4	-	1	GRM155R60J104KA01; C0402C104K9PAC	MURATA; KEMET	0.1UF	CAP; SMT (0402); 0.1UF; 10%; 6.3V; X5R; CERAMIC
4	C6	-	1	CL05B105KQ5NQNC; GRM155R70J105KA12	SAMSUNG ELECTRONICS; MURATA	1UF	CAP; SMT (0402); 1UF; 10%; 6.3V; X7R; CERAMIC
5	C10	-	1	GRM155R60J474KE19	MURATA	0.47UF	CAP; SMT (0402); 0.47UF; 10%; 6.3V; X5R; CERAMIC
6	C13	-	1	C0402C101J5GAC; NMC0402NPO101J; CC0402JRNPO9BN101; GRM1555C1H101JA01; C1005C0G1H101J050BA	KEMET; NIC COMPONENTS CORP.; YAGEO PHICOMP; MURATA; TDK	100PF	CAP; 50V; C0G; CERAMIC
7	C14	-	1	C1608X5R1E105M080AC	TDK	1UF	CAP; SMT (0603); 1UF; 20%; 25V; X5R; CERAMIC
8	C17, C47	-	2	GRM155R71E104KE14; C1005X7R1E104K050BB; TMK105B7104KVH; CGJ2B3X7R1E104K050BB	MURATA; TDK; TAIYO YUDEN; TDK	0.1UF	CAP; SMT (0402); 0.1UF; 10%; 25V; X7R; CERAMIC
9	C20-C22, C30, C45	-	5	CL31X226KAHN3N; GRM31CC81E226KE11	SAMSUNG; MURATA	22UF	CAP; SMT (1206); 22UF; 10%; 25V; X6S; CERAMIC
10	C26	-	1	C0402C102K5GAC	KEMET	1000PF	CAP; SMT (0402); 1000PF; 10%; 50V; C0G; CERAMIC
11	C29	-	1	TMK105BJ104KV; GRM155R61E104KA87	TAIYO YUDEN; MURATA	0.1UF	CAP; SMT (0402); 0.1UF; 10%; 25V; X5R; CERAMIC
12	C32, C36, C37, C39	-	4	T521X107M025ATE060	KEMET	100UF	CAP; SMT (7343); 100UF; 20%; 25V; TANTALUM
13	C34	-	1	C1005X7S0J225K050BC; GRM155C70J225KE11	TDK; MURATA	2.2UF	CAP; SMT (0402); 2.2UF; 10%; 6.3V; X7S; CERAMIC
14	C35	-	1	T491X107K025A	KEMET	100UF	CAP; SMT (7343-43); 100UF; 10%; 25V; TANTALUM
15	D1, D3	-	2	MBRS540T3G	ON SEMICONDUCTOR	MBRS54 0T3	DIODE; SCH; SURFACE MOUNT SCHOTTKY POWER RECTIFIER; SMC; PIV=40V; IF=5A
16	DS1	-	1	LGL29K-G2J1-24-Z	OSRAM	LGL29K- G2J1-24- Z	DIODE; LED; SMARTLED; GREEN; SMT; PIV=1.7V; IF=0.02A
17	J1	-	1	TSW-108-07-T-D	SAMTEC	TSW- 108-07- T-D	CONNECTOR; MALE; THROUGH HOLE; TSW SERIES; 0.0125INCH SQUARE POST HEADER; STRAIGHT; 16PINS
18	J2	-	1	UPS-08-01-01-L-RA	SAMTEC	UPS-08- 01-01-L- RA	CONNECTOR; FEMALE; THROUGH HOLE; DUAL LEAF POWER HEADER; RIGHT ANGLE; 8PINS
19	J4, J6, J7	-	3	PCC02SAAN	SULLINS	PCC02S AAN	CONNECTOR; MALE; THROUGH HOLE; BREAKAWAY; STRAIGHT THROUGH; 2PINS; - 65 DEGC TO +125 DEGC
20	J5, J8, TP3, TP6	-	4	6095	KEYSTONE	6095	CONNECTOR; FEMALE; PANELMOUNT; NON- INSULATED RECESSED HEAD BANANA JACK; STRAIGHT THROUGH: 1PIN
21	Jð	-	1	PCC03SAAN	SULLINS	PCC03S AAN	CONNECTOR; MALE; THROUGH HOLE; BREAKAWAY; STRAIGHT THROUGH; 3PINS; - 65 DEGC TO +125 DEGC
22	J10	-	1	131-3701-266	JOHNSON COMPONENTS	131- 3701- 266	CONNECTOR; MALE; THROUGH HOLE; SMB JACK VERTICAL PCB MOUNT; STRAIGHT; 5PINS
23	L1	-	1	FP1008R5-R220-R	EATON POWERING BUSINESS WORLDWIDE	220NH	INDUCTOR; SMT; FERRITE; 220NH; 10%; 79A;
24	MH1-MH4	-	4	9032	KEYSTONE	9032	MACHINE FABRICATED; ROUND-THRU HOLE SPACER; NO THREAD; M3.5; 5/8IN; NYLON
25	Q1	-	1	BSS138	ON SEMICONDUCTOR	BSS138	TRAN; LOGIC LEVEL ENHANCEMENT MODE FIELD EFFECT TRANSISTOR; NCH; SOT-23; PD-(0.36W); I-(0.22A); V-(50V); -55 DEGC TO +150 DEGC
26	R1	-	1	CRCW04024R70FK	VISHAY DALE	4.7	RES; SMT (0402); 4.7; 1%; +/-100PPM/DEGC; 0.0630W
27	R2	-	1	ERJ-2RKF2000	PANASONIC	200	RES; SMT (0402); 200; 1%; +/-100PPM/DEGC; 0.1000W
28	R3	-	1	TNPW040249R9BE; RG1005P-49R9-B-T; ERA-2AEB49R9	VISHAY; SUSUMU CO LTD.; PANASONIC	49.9	RES; SMT (0402); 49.9; 0.10%; +/- 25PPM/DEGC; 0.0630W
29	R5	-	1	ERJ-2RKF3090	PANASONIC	309	RES; SMT (0402); 309; 1%; +/-100PPM/DEGC; 0.1000W
30	R6	-	1	RC0402FR-070RL	YAGEO	0	RES; SMT (0402); 0; 1%; JUMPER; 0.0630W
31	R7, R12	-	2	ERJ-2RKF3301	PANASONIC	3.3K	RES; SMT (0402); 3.3K; 1%; +/-100PPM/DEGC; 0.1000W
32	R9, R13	-	2	CRG0402F1K0	TE CONNECTIVITY	1K	RES; SMT (0402); 1K; 1%; +/-100PPM/DEGC; 0.0630W
33	R14	-	1	ERJ-2RKF10R0	PANASONIC	10	RES; SMT (0402); 10; 1%; +/-100PPM/DEGC; 0.1000W
34	R15	-	1	RC0402JR-070RL;	YAGEO PHYCOMP;	0	RES; SMT (0402); 0; 5%; JUMPER; 0.0630W

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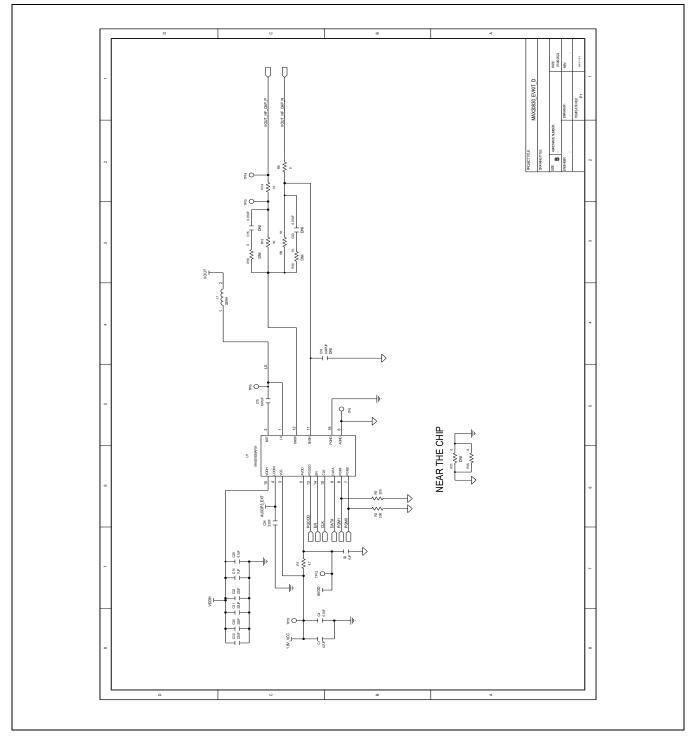
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				CR0402-16W-000RJT	VENKEL LTD.		
35	R16, R41	-	2	CRCW040220K0FK	VISHAY DALE	20K	RES; SMT (0402); 20K; 1%; +/-100PPM/DEGC; 0.0630W
36	R42	-	1	RC0603FR-07100RL; CR0603-FX-1000ELF	YAGEO; BOURNS	100	RES; SMT (0603); 100; 1%; +/-100PPM/DEGC; 0.1000W
37	R51	-	1	ERJ-3EKF2100	PANASONIC	210	RES; SMT (0603); 210; 1%; +/-100PPM/DEGK; 0.1000W
38	ST1, ST2	-	2	7808	KEYSTONE	7808	TERMINAL; BODY LENGTH=0.67IN; BODY WIDTH=0.47IN; HEIGHT=0.45IN; SCRW; BRASS
39	SU1	-	1	S1100-B; SX1100-B; STC02SYAN	KYCON; KYCON; SULLINS ELECTRONICS CORP.	SX1100- B	TEST POINT; JUMPER; STR; TOTAL LENGTH=0.24IN; BLACK; INSULATION=PBT;PHOSPHOR BRONZE CONTACT=GOLD PLATED
40	SW1	-	1	GT21MCBE	C&K COMPONENTS	GT21MC BE	SWITCH; DPDT; THROUGH HOLE; 20V; 0.4VA; GT SERIES; SEALED ULTRAMINIATURE TOGGLE SWITCH; RCOIL= 0.05 OHM; RINSULATION=10G OHM; C&K COMPONENTS
41	TP1, TP2, TP5, TP7, TP9, TP11, TP18	-	7	5011	KEYSTONE	N/A	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.445IN; BOARD HOLE=0.063IN; BLACK; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH;
42	TP4, TP8, TP10, TP12, TP17	-	5	5010	KEYSTONE	N/A	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.445IN; BOARD HOLE=0.063IN; RED; PHOSPHOR BRONZE WIRE SIL;
43	TP13, TP14, TP29, TP30, TP_CLK, TP_DATA	-	6	5126	KEYSTONE	N/A	TEST POINT; PIN DIA=0.125IN; TOTAL LENGTH=0.445IN; BOARD HOLE=0.063IN; GREEN; PHOSPHOR BRONZE WIRE SILVER PLATE FINISH;
44	TP15	-	1	USE FOR COLD TEST: 5015	KEYSTONE	N/A	TEST POINT; SMT; PIN LENGTH=0.135IN; PIN WIDTH=0.07IN; PIN HEIGHT=0.06IN; SILVER; PHOSPHOR BRONZE WITH SILVER PLATE CONTACT
45	U1	-	1	MAX20830AFE+/MAX20830 TAFE+	ANALOG DEVICES	MAX208 30AFE+/ MAX208 30TAFE +	EVKIT PART - IC; MAX20830/MAX20830T; 30A; 2MHZ; 2.7V TO 16V INTEGRATED STEP-DOWN SWITCHING REGULATOR WITH PMBUS; PACKAGE OUTLINE DRAWING: 21-100432/21- 100528; LAND PATTERN NUMBER: 90- 100156/90-100191; PACKAGE CODE: F164A6F- 1/F164A6F-2; FC2QFN16
46	PCB	-	1	MAX20830	ANALOG DEVICES	PCB	PCB:MAX20830
47	C3, C5, C7, C8, C12, C48, C50	DNP	7	GRM31CD80J107ME39	MURATA	100UF	CAP; SMT (1206); 100UF; 20%; 6.3V; X6T; CERAMIC
48	C15, C23	DNP	2	C0402C103J3RAC	KEMET	0.01UF	CAP; SMT (0402); 0.01UF; 5%; 25V; X7R; CERAMIC
49	C16	DNP	1	C0402C473J8RAC	KEMET	0.047UF	CAP; SMT (0402); 0.047UF; 5%; 10V; X7R; CERAMIC
50	C18, C25	DNP	2	C0402C479D8GAC	KEMET	4.7PF	CAP; SMT (0402); 4.7PF; +/-0.5PF; 10V; C0G; CERAMIC
51	C24	DNP	1	C1608X5R1E105M080AC	TDK	1UF	CAP; SMT (0603); 1UF; 20%; 25V; X5R; CERAMIC
52	C28	DNP	1	GRM155R71E472KA01	MURATA	4700PF	CAP; SMT (0402); 4700PF; 10%; 25V; X7R; CERAMIC
53	C31, C40	DNP	2	T491X477K010AT	KEMET	470UF	CAP; SMT (7343); 470UF; 10%; 10V; TANTALUM
54	R4	DNP	1	ERJ-P08J101	PANASONIC	100	RES; SMT (1206); 100; 5%; +/-200PPM/DEGC; 0.6600W
55	R10	DNP	1	CRG0402F1K0	TE CONNECTIVITY	1K	RES; SMT (0402); 1K; 1%; +/-100PPM/DEGC; 0.0630W
56	R11, R19	DNP	2	RC0402JR-070RL; CR0402-16W-000RJT	YAGEO PHYCOMP; VENKEL LTD.	0	RES; SMT (0402); 0; 5%; JUMPER; 0.0630W

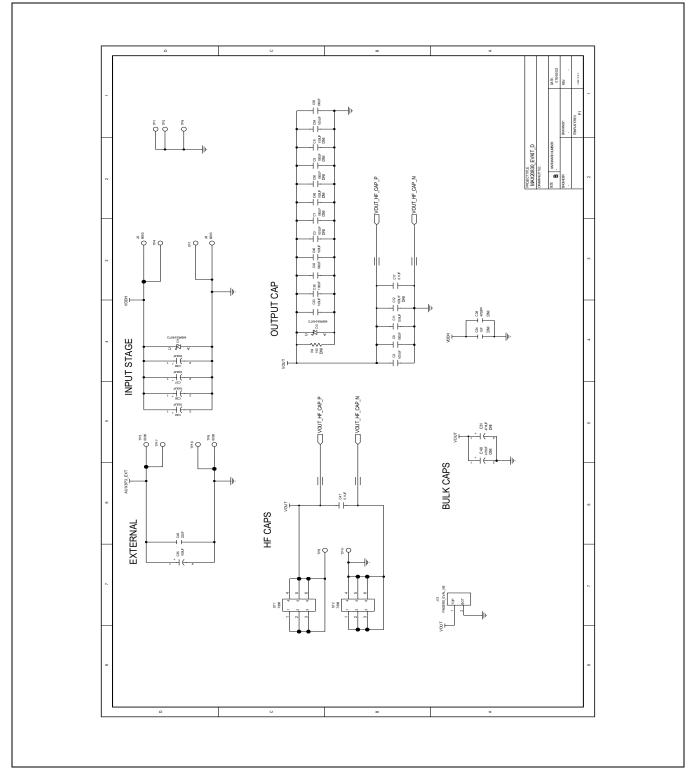
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MAX20830 EV Kit Schematic



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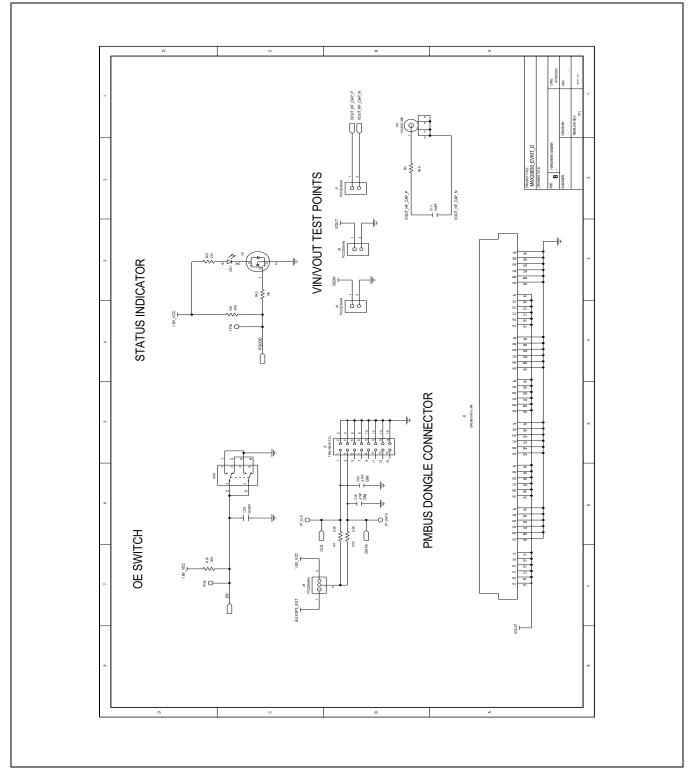
MAX20830 EV Kit Schematic (continued)



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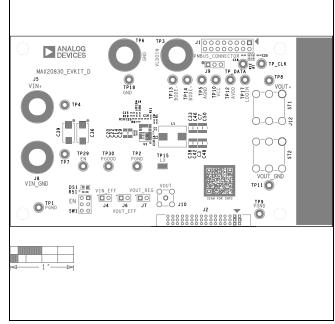
MAX20830 EV Kit Schematic (continued)

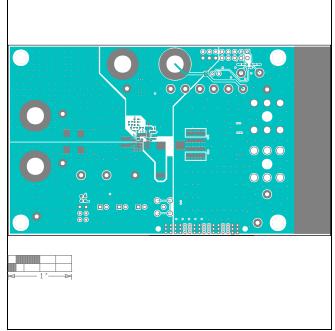


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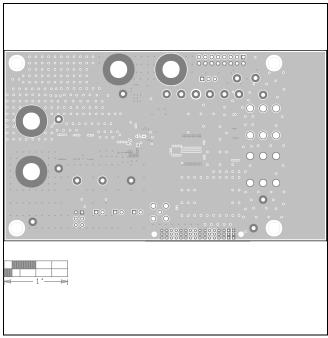
MAX20830 EV Kit PCB Layout

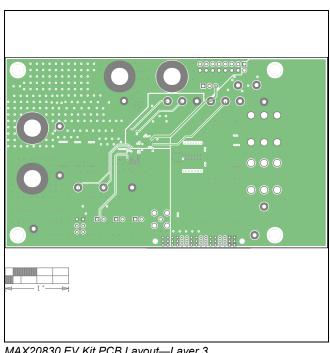




MAX20830 EV Kit Component Placement Guide—Top Silkscreen

MAX20830 EV Kit PCB Layout-Top



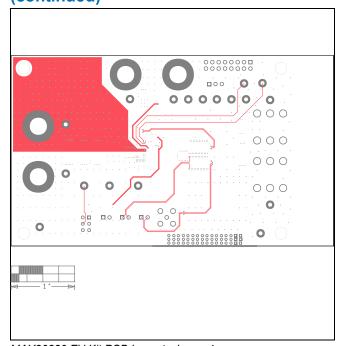


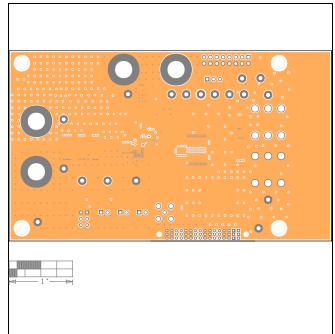
MAX20830 EV Kit PCB Layout—Layer 2

MAX20830 EV Kit PCB Layout—Layer 3

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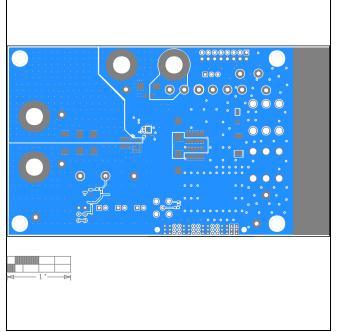
MAX20830 EV Kit PCB Layout (continued)



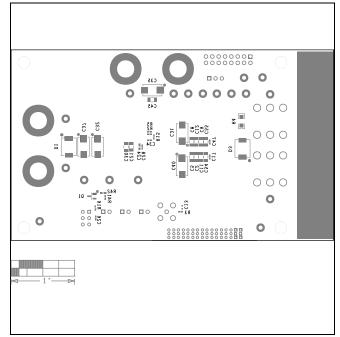


MAX20830 EV Kit PCB Layout—Layer 5

MAX20830 EV Kit PCB Layout—Layer 4



MAX20830 EV Kit PCB Layout—Bottom



MAX20830 EV Kit Component Placement Guide—Bottom Silkscreen

MAX20830 Evaluation Kit

Revision History

REVISION NUMBER	REVISION DATE	DESCRIPTION		
0	6/23	Initial release	—	
1	12/23	Added MAX20830T information; updated EV kit photos; updated Table 1; added description of "Transient;" updated Ordering Information Table; updated EV Kit Bill of Materials, Schematic, and PCB Layout	1-3, 5-13	



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