

A

B

C

D

1

2

3

4

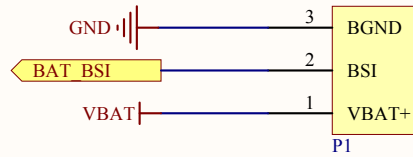
A

B

C

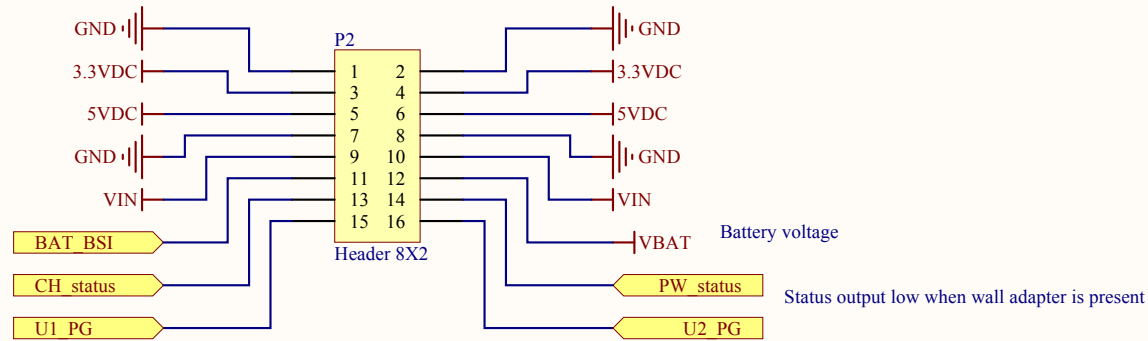
D

Nokia style 3pin battery connector  
Vin 3.7-4.2 MAX



Battery capacity identification

Charging status



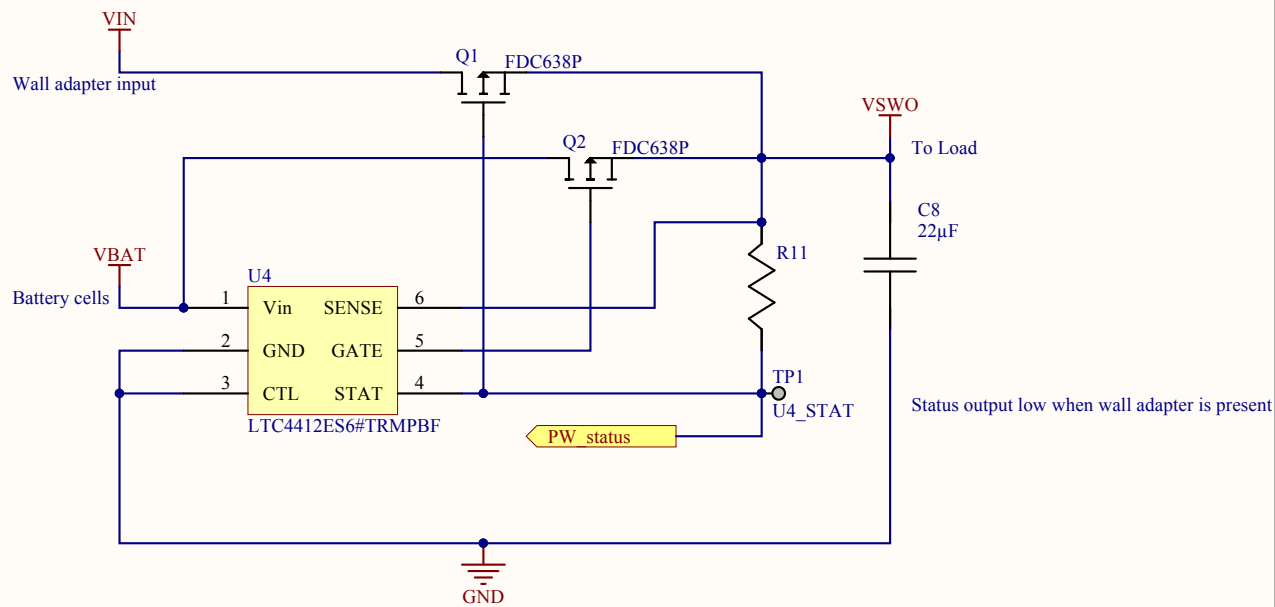
Title <b>OpenBLC_CONNECTIONS</b>		
Size A	Number <b>3</b>	Revision <b>V0.1</b>
Date:	9/5/2014	Sheet of 5
File:	C:\Users\...\OpenBLC_CONNECTIONS_Schema By: Thijs Sillen	

1

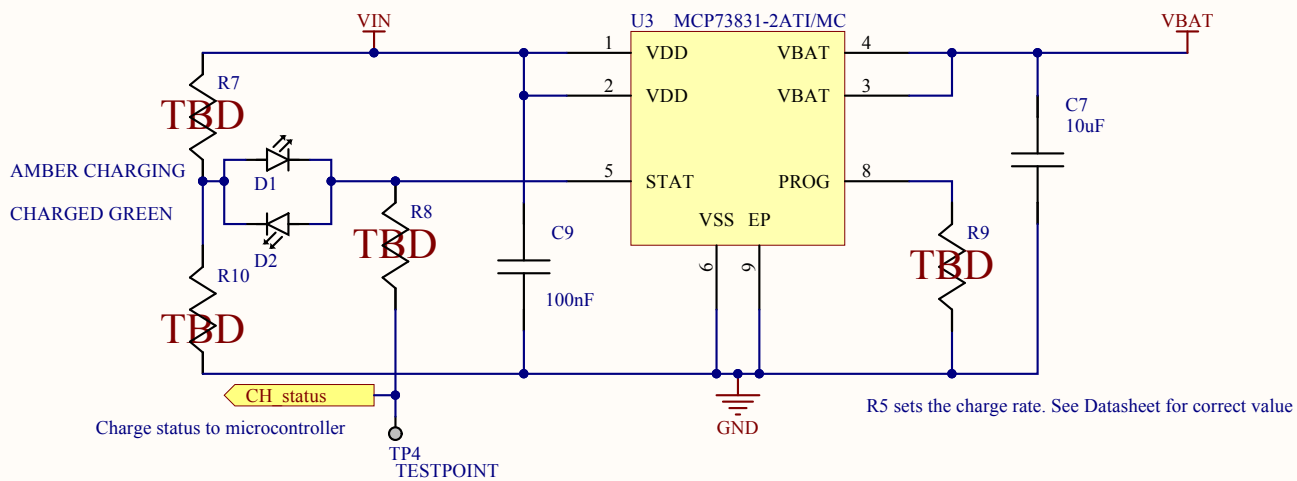
2

3

4

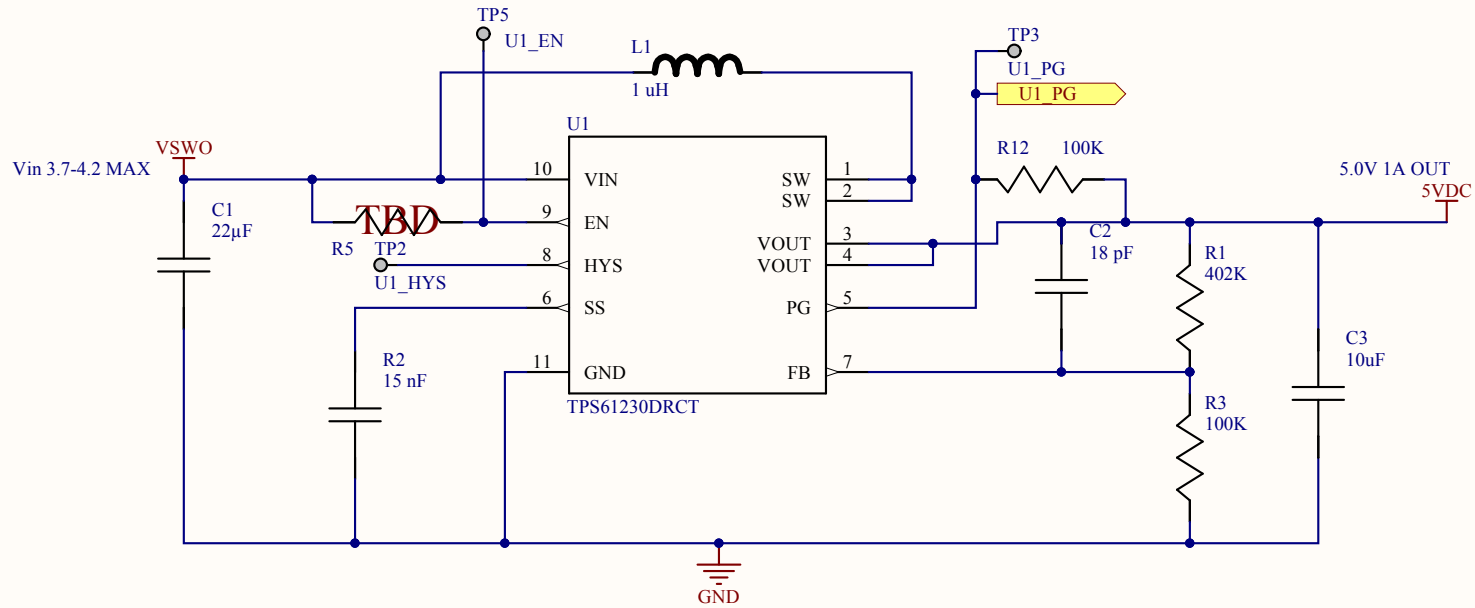


Title <b>OpenBLC_LTC4412</b>		
Size A	Number <b>5</b>	Revision <b>V0.1</b>
Date:	9/5/2014	Sheet of 5
File:	C:\Users\...\OpenBLC_LTC4412.SchDoc	Drawn By: Thijs Sillen

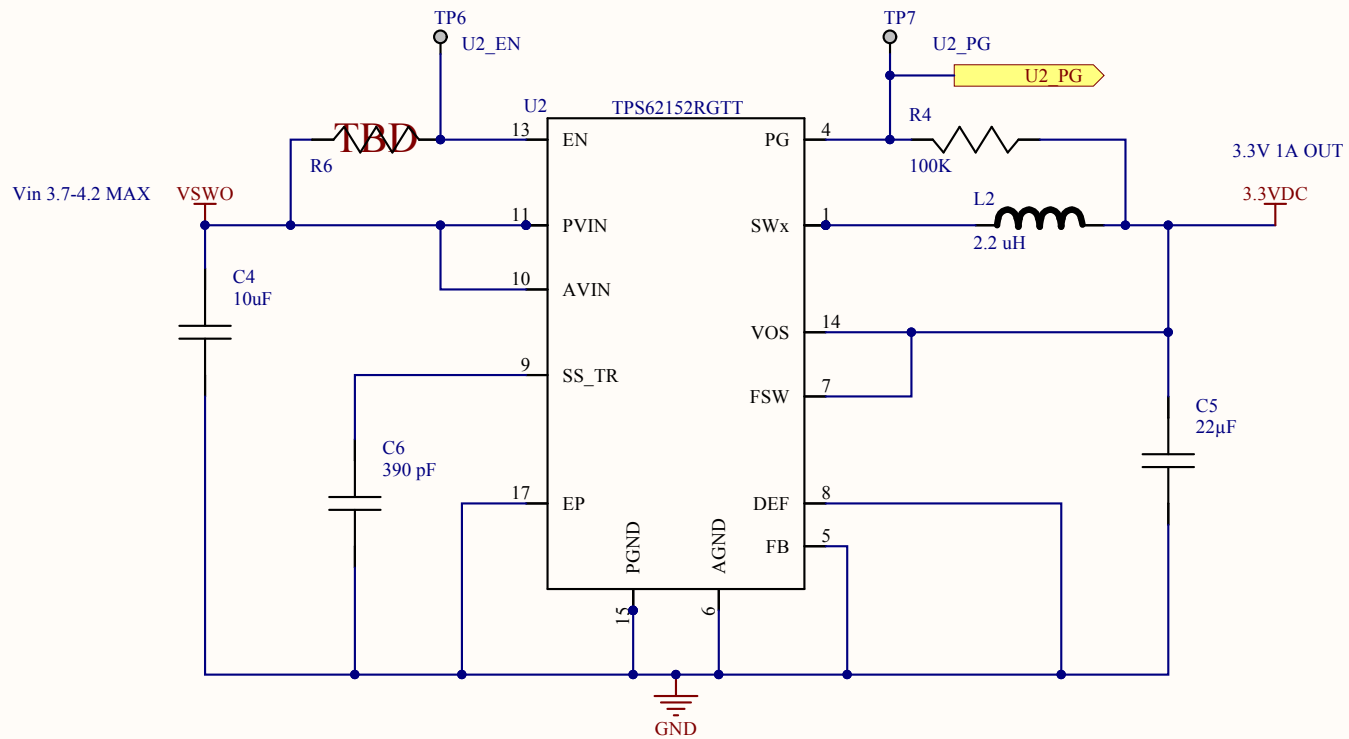


Title **OpenBLC\_MCP73831**

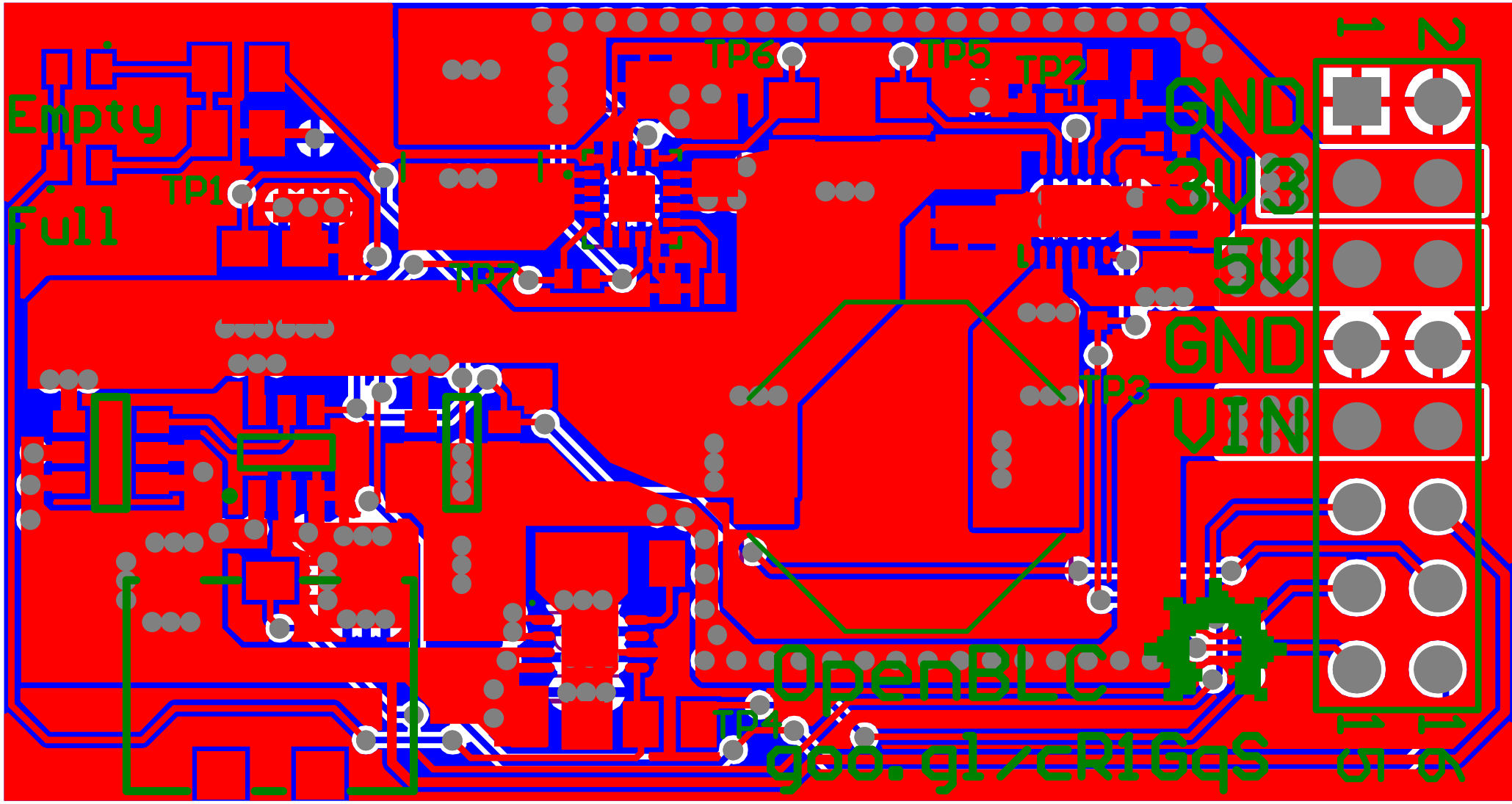
Size	Number	Revision
A	<b>4</b>	<b>V0.1</b>
Date:	9/5/2014	Sheet of 5
File:	C:\Users\...\OpenBLC_MCP73831.SchDoc Drawn By: Thijs Sillen	



Title <b>OpenBLC_TPS61230</b>		
Size A	Number <b>1</b>	Revision <b>V0.1</b>
Date:	9/5/2014	Sheet of 5
File:	C:\Users\...\OpenBLC_TPS61230.SchDoc Drawn By: <b>Thijs Sillen</b>	



Title <b>OpenBLC_TPS62152</b>		
Size A	Number <b>2</b>	Revision <b>V0.1</b>
Date:	9/5/2014	Sheet of 5
File:	C:\Users\...\OpenBLC_TPS62152.SchDoc Drawn By: <b>Thijs Sillen</b>	



# Bill of Materials

<Parameter Title not found>

Source Data From: OpenBLC.PrjPcb  
 Project: OpenBLC.PrjPcb  
 Variant: None

Creation Date: 9/5/2014      5:53:19 PM  
 Print Date: 41887      41887.74544

Footprint	Comment	LibRef	Designator	Description	Quantity
0805_CAP	C2012X5R0J226 M125AC	C2012X5R0J226 M125AC	C1, C5, C8	CAP CER 22UF 6.3V 20% X5R 0805	3
0603_CAP	C0603C180J5G ACTU	C0603C180J5G ACTU	C2	Meerlaagse keramische condensatoren MLCC - SMD/SMT 50volts 18pF C0G 5%	1
0805_CAP	GRM21BR61A1 06KE19L	GRM21BR61A1 06KE19L	C3, C4, C7	MURATA - GRM21BR61A106KE19L - CAPACITOR, CERA, 10UF, 10%, 10V, 10%, SMD	3
0603_CAP	GRM033R71C3 91KA01D	GRM033R71C3 91KA01D	C6	Meerlaagse keramische condensatoren MLCC - SMD/SMT 390pF 16 volts 10%	1
0805_CAP	0805_CAP	0805_CAP	C9		1
0603_DIODE_YE	0603LED_YE	0603LED_YE	D1		1
0603_DIODE_GR	0603LED_GR	0603LED_GR	D2		1
SRU1028	SRU1028-1R0Y	SRU1028-1R0Y	L1	Vaste smoorspoelen 1uH 30% SMD 1028	1
SDR0403	SDR0403-2R2ML	SDR0403-2R2ML	L2	Vaste smoorspoelen 2.2uH 20% SMD 0403	1
Nokia_3P_ba	Nokia 3pin pogo connector	Nokia_3PIN_BA TT_CONTACT	P1		1
HDR2X8	Header 8X2	Header 8X2	P2	Header, 8-Pin, Dual row	1
FDC638P	FDC638P	FDC638P	Q1, Q2	MOSFET SSOT-6 P-CH -20V	2
0402_RES	CRCW0402402 KFKED	CRCW0402402 KFKED	R1	VISHAY DRALORIC - CRCW0402402KFKED - RESISTOR, 0402, 402K, 1%	1
0402_CAP	GRM155R71C1 53KA01D	GRM155R71C1 53KA01D	R2	Meerlaagse keramische condensatoren MLCC - SMD/SMT 0402 0.015uF 16volts X7R 10%	1
0402_RES	CRCW0402100 KFKEDHP	CRCW0402100 KFKEDHP	R3, R4, R12	VISHAY DRALORIC - CRCW0402100KFKEDHP - RESISTOR, POWER, 100K, 0.125W, 1%	3
0805_RES	0805_RES	0805_RES	R5, R6, R7, R8, R9, R10, R11		7
Via_TP	U4_STAT	TESTPOINT	TP1	TESTPOINT SCOPE GRABBER	1
Via_TP	U1_HYS	TESTPOINT	TP2	TESTPOINT SCOPE GRABBER	1
Via_TP	U1_PG	TESTPOINT	TP3	TESTPOINT SCOPE GRABBER	1
Via_TP	TESTPOINT	TESTPOINT	TP4	TESTPOINT SCOPE GRABBER	1
Via_TP	U1_EN	TESTPOINT	TP5	TESTPOINT SCOPE GRABBER	1
Via_TP	U2_EN	TESTPOINT	TP6	TESTPOINT SCOPE GRABBER	1
Via_TP	U2_PG	TESTPOINT	TP7	TESTPOINT SCOPE GRABBER	1
TPS61230DR	TPS61230DRCT	TPS61230DRCT	U1	TPS61230DRCT	1
CR					
TPS62152RG	TPS62152RGTT	TPS62152RGTT	U2	TPS62152RGTT	1
TR					
PQFN50P30	MCP73831-2AT1/MC	MCP73831-2AT1/MC	U3	Batterijbeheer Li-Ion/Li-Poly Charg Mgmt 4.2V Vreg out	1
0X200X5_HS-9N					
SOT95P280X110-6N	LTC4412ES6#T RMPBF	LTC4412ES6#T RMPBF	U4	IC OR CTRLR SRC SELECT TSOT23-6	1
					40

Approved	Notes