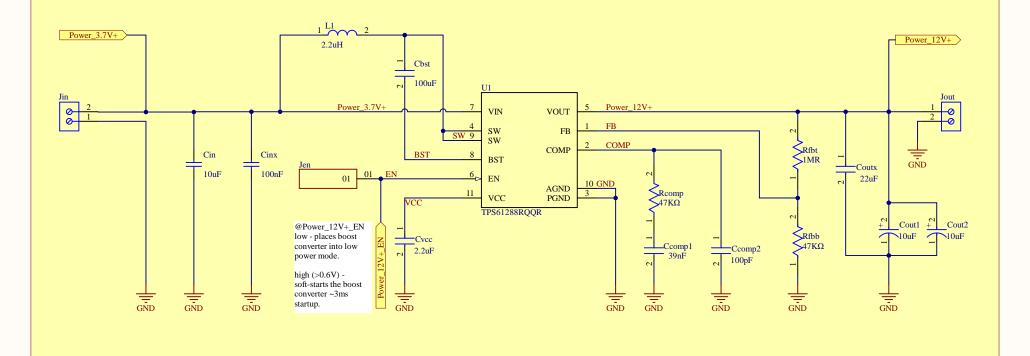
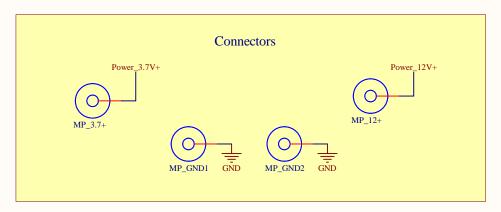
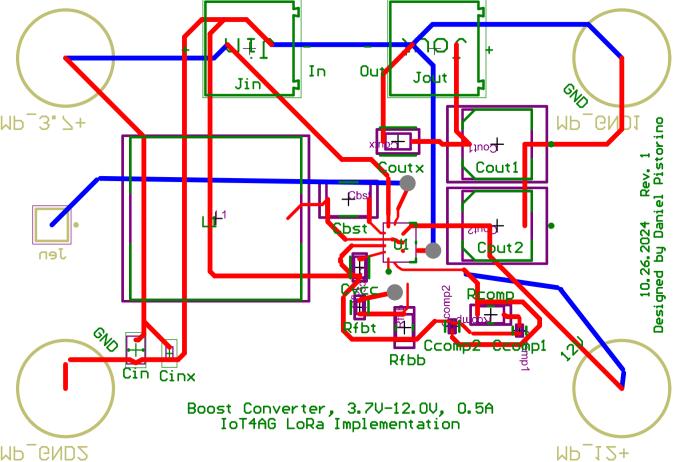
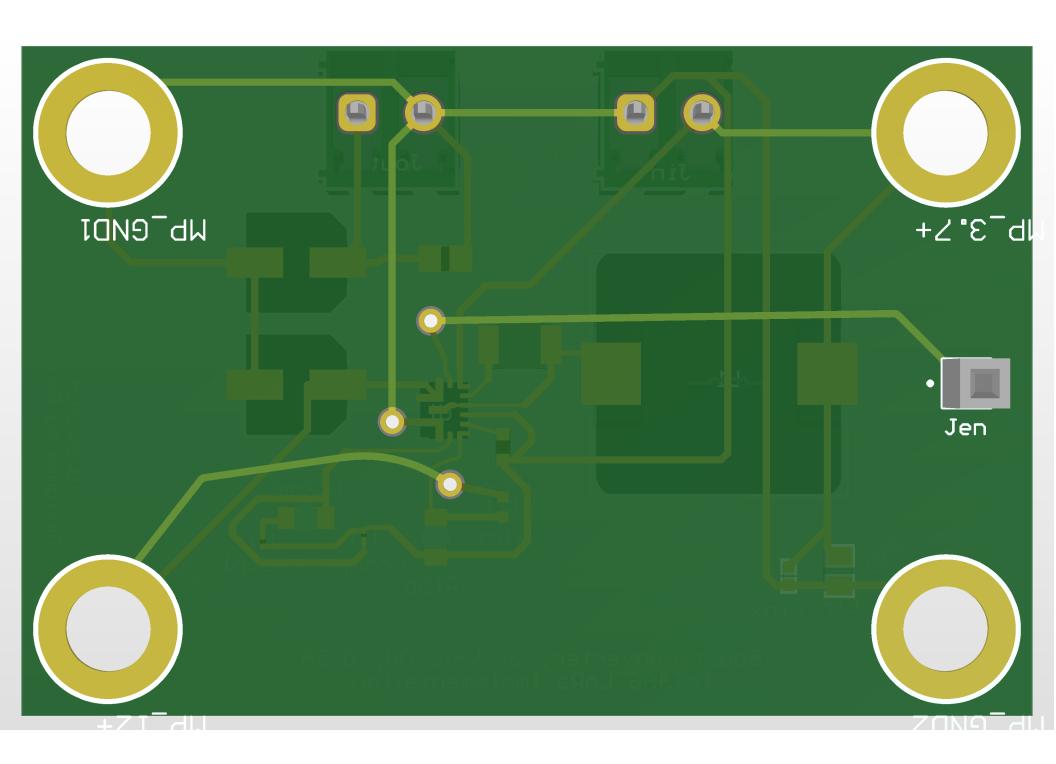
Boost Power Converter

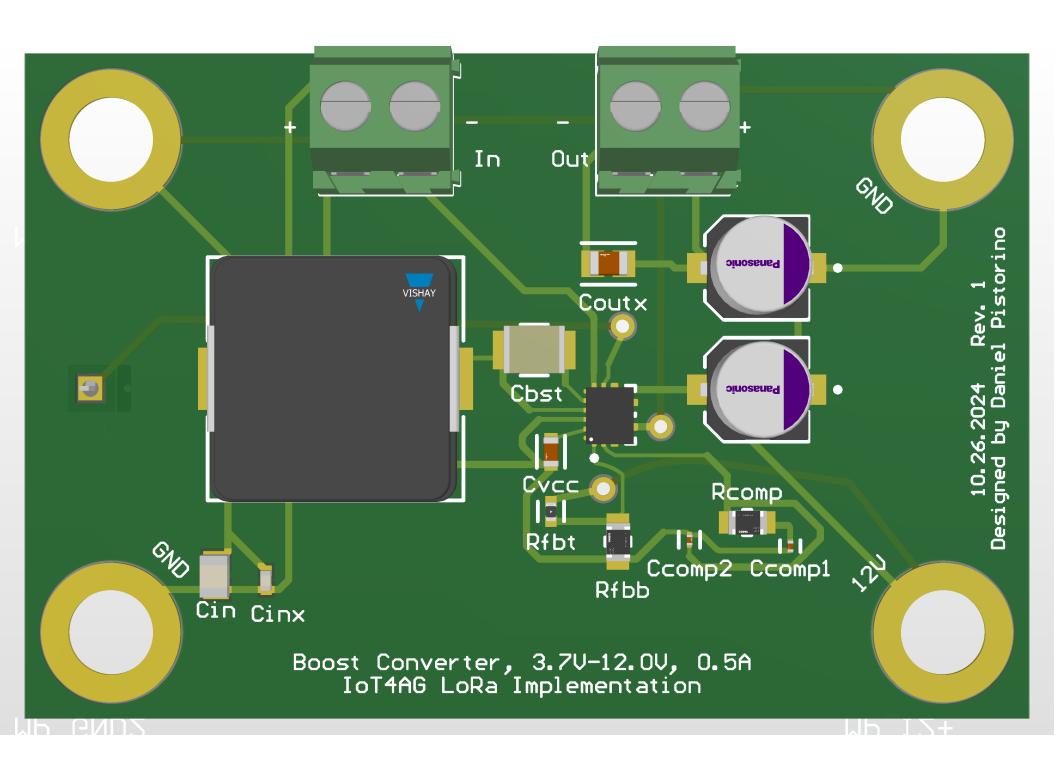


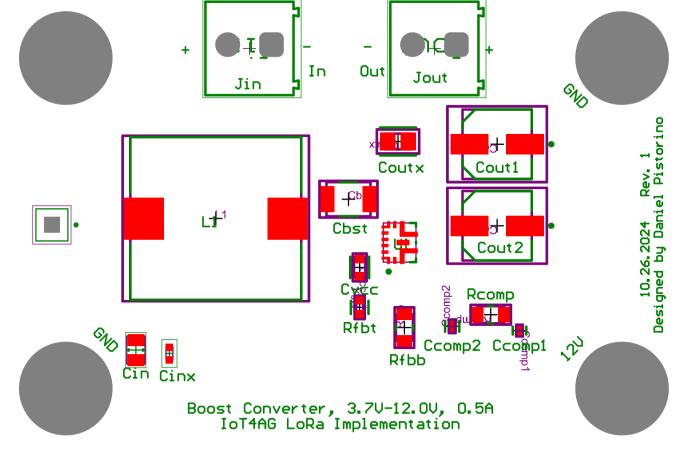


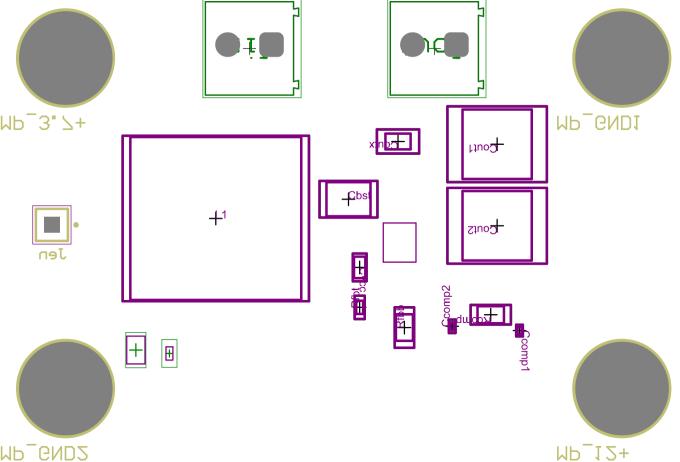
Title			
Size	Number		Revision
Letter			
Date:	11/27/2024	Sheet of	
File:	C:\Users\\Node_Power.SchDoc	Drawn By:	











Bill of Materials

Project Title: Bill of Materials for BOM Document [Node_Power.BomDoc]

Project File Name: Node_Power.PrjPcb
Assembly Variant: None

2175 Salk Avenue Suite 200 Carlsbad, CA 92008 USA

Part Number	Description	Designator	Manufacture	Manufacture Part Number	Supplier	Supplier Part Number	Supplier Unit Price	Quantity
	CAP CER 100UF 6.3V X5R							
CMP-2000-05259-	-	Cbst	Murata	GRM32ER60J107ME20L	Digikey	490-3390-6-ND	\$1.85	1
	Chip Multilayer Ceramic							
	Capacitors for General							
	Purpose, 0201, 39000pF, X5R,							
CMP-2010-01663-	15%, 10%, 6.3V	Ccomp1	Murata	GRM033R60J393KE19D	Mouser	81-GRM033R60J393KE9D	\$0.10	1
	Chip Multilayer Ceramic							
	Capacitors for General							
	Purpose, 0201, 100pF, C0G,							
CMP-2010-01306-	30ppm/°C, 5%, 25V	Ccomp2	Murata	GRM0335C1E101JA01D	Digikey	490-3160-1-ND	\$0.08	1
	CAP 10uF 6.3V ±10% 0805							
	(2012 Metric) Thickness							
CMP-1036-04916-	1.55mm SMD	Cin	KEMET	C0805C106K9PAC	Mouser	80-C0805C106K9PAC	\$0.14	1
CMP-2008-02013-		Cinx	Vishay	VJ0402G104KXQCW1BC	Digikey	720-1640-1-ND	\$0.10	1
	Conductive Polymer							
	Aluminum Solid Capacitors							
CMP-05428-0010	(OS-CON) 10uF ±20% 20V	Cout1, Cout2	Panasonic	20SVPA10M	Digikey	P123684CT-ND	\$0.88	2
	Chip Multilayer Ceramic							
	Capacitors for General							
	Purpose, 0805, 22uF, X7U,							
CMP-2007-03383-	+22%/-56%, 20%, 4V	Coutx	Murata	GRM21BE70G226ME51L	Mouser	81-GRM21BE70G226ME1L	\$0.23	1
	Chip Multilayer Ceramic							
	Capacitors for General							
	Purpose, 0603, 2.2uF, X7R,							
CMP-2006-02836-	15%, 10%, 10V	Cvcc	Murata	GRM188R71A225KE15D	Digikey	490-4520-1-ND	\$0.14	1
BCS-101-L-S-TE		Jen	Samtec	BCS-101-L-S-TE	Digikey	SAM1011-01-ND	\$0.53	1
CMP-1502-02464-	,	Jin, Jout	Wurth Electronics	6.91214E+11	Digikey	732-2747-ND	\$0.79	2
	Commercial Inductors, High							
	Saturation Series 2.2uH 16A							
CMP-02424-00048		L1	Vishay Dale	IHLP5050CEER2R2M01	Mouser	70-IHLP5050CEER2R2M1	\$1.32	1
	RES SMD 47K OHM 0.1%							
CMP-2001-01461-		Rcomp, Rfbb	Yageo	RT0805BRD0747KL	Digikey	YAG1907CT-ND	\$0.16	2
	RES Thick Film, 1MΩ, 1%,							
CMP-2002-08314-	0.063W, 100ppm/°C, 0402	Rfbt	Vishay	CRCW04021M00FKED	Mouser	71-CRCW0402-1.0M-E3	\$0.10	1
TPS61288RQQR	No Description Available	U1	Texas Instruments	TPS61288RQQR	Digikey	296-TPS61288RQQRCT-ND	\$5.33	1
·							\$11.75	17

Approved	Notes