

TIDA-00329 Bill Of Materials

Variant: 001

Tiny bq51051B Receiver

Build on PCB PMP10289 rev A

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C1, C7	2	4.7uF	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	0603	GRM188R61C475KAAJ#	MuRata
C2, C5, C6	3	0.022uF	CAP, CERM, 0.022uF, 16V, +/-10%, X5R, 0201	0201	GRM033R61C223KE84#	MuRata
C3, C4	2	0.01uF	CAP, CERM, 0.01uF, 25V, +/-10%, X5R, 0201	0201	GRM033R61E103KA12#	MuRata
C8, C9	2	0.47uF	CAP, CERM, 0.47uF, 25V, +/-10%, X5R, 0402	0402	GRM155R61E474KE01#	MuRata
R1	1	100k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R2	1	10k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R3	1	3.83k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R4	1	2.43k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R5	1	140	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
U1	1	bq51051BYFP	IC, Wireless Secondary-Side Power Controller and Battery Chage	DSBGA	bq51051BYFP	TI

Variant: 002

Tiny bq51050B Receiver

Build on PCB PMP10289 rev A

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C1, C7	2	4.7uF	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	0603	GRM188R61C475KAAJ#	MuRata
C2, C5, C6	3	0.022uF	CAP, CERM, 0.022uF, 16V, +/-10%, X5R, 0201	0201	GRM033R61C223KE84#	MuRata
C3, C4	2	0.01uF	CAP, CERM, 0.01uF, 25V, +/-10%, X5R, 0201	0201	GRM033R61E103KA12#	MuRata
C8, C9	2	0.47uF	CAP, CERM, 0.47uF, 25V, +/-10%, X5R, 0402	0402	GRM155R61E474KE01#	MuRata
R1	1	100k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R2	1	10k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R3	1	3.83k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R4	1	2.43k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R5	1	140	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
U1	1	bq51050BYFP	IC, Wireless Secondary-Side Power Controller and Battery Chage	DSBGA	bq51050BYFP	TI

Variant: 003

Tiny bq51003 Receiver

Build on PCB PMP10289 rev A

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer
C1, C7	2	4.7uF	CAP, CERM, 4.7uF, 16V, +/-10%, X5R, 0603	0603	GRM188R61C475KAAJ#	MuRata
C2, C5, C6	3	0.022uF	CAP, CERM, 0.022uF, 16V, +/-10%, X5R, 0201	0201	GRM033R61C223KE84#	MuRata
C3, C4	2	0.01uF	CAP, CERM, 0.01uF, 25V, +/-10%, X5R, 0201	0201	GRM033R61E103KA12#	MuRata
C8, C9	2	0.47uF	CAP, CERM, 0.47uF, 25V, +/-10%, X5R, 0402	0402	GRM155R61E474KE01#	MuRata
R1	1	100k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R2	1	10k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R3	1	3.83k	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R4	0	DNP	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
R5	1	140	RES, xx ohm, 1%, 0.05W, 0201	0201		Panasonic
U1	1	bq51003YFP	IC, Wireless Secondary-Side Power Controller	DSBGA	bq51003YFP	TI

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