Texas Instruments

PMP40270 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	C1, C2, C14, C15	4	10uF	GRM155R60J106ME15D	MuRata	CAP, CERM, 10 µF, 6.3 V, +/- 20%, X5R, 0402	0402
2	C3, C4, C6	3	10uF	GRM32ER61H106KA12L	MuRata	CAP, CERM, 10 µF, 50 V, +/- 10%, X5R, 1210	1210
3	C5, C7, C18	3	0.1uF	GRM155R61H104ME14D	MuRata	CAP, CERM, 0.1 µF, 50 V, +/- 20%, X5R, 0402	0402
4	C8	1	0.47uF	GRM155R61E474KE01D	MuRata	CAP, CERM, 0.47 µF, 25 V, +/- 10%, X5R, 0402	0402
5	C9	1	0.1uF	GRM155R60J104KA01D	MuRata	CAP, CERM, 0.1 µF, 6.3 V, +/- 10%, X5R, 0402	0402
6	C10	1	47uF	GRM32ER61A476KE20L	MuRata	CAP, CERM, 47 µF, 10 V, +/- 10%, X5R, 1210	1210
7	C11, C12, C19	3	47uF	GRM31CR60J476ME19L	MuRata	CAP, CERM, 47 µF, 6.3 V, +/- 20%, X5R, 1206	1206
8	C13	1	4.7uF	GRM155R60J475ME47D	MuRata	CAP, CERM, 4.7 µF, 6.3 V, +/- 20%, X5R, 0402	0402
9	J1, J2	2		632 723 300 011	Wurth Elektronik	Connector, Receptacle, USB Type C, R/A	Connector, Receptacle, USB Type C, R/A, THT/SMT
10	J3, J5, J6	3		5-146261-1	TE Connectivity	Header, 100mil, 2x1, Gold, TH	Header, 2x1, 100mil
11	L1	1	10uH	XAL6060-103MEB	Coilcraft	Inductor, Shielded, Composite, 10 µH, 7.6 A, 0.03 ohm, SMD	IND_6.4x6.1x6.6
12	R1, R3	2	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402
13	R2, R6	2	200	CRCW0402200RFKED	Vishay-Dale	RES, 200, 1%, 0.063 W, 0402	0402
14	R4	1	825k	CRCW0402825KFKED	Vishay-Dale	RES, 825 k, 1%, 0.063 W, 0402	0402
15	R5	1	200k	CRCW0402200KFKED	Vishay-Dale	RES, 200 k, 1%, 0.063 W, 0402	0402
16	R8	1	3.3	CRCW04023R30JNED	Vishay-Dale	RES, 3.3, 5%, 0.063 W, 0402	0402
17	U1, U3	2		TPS25821DSSR	Texas Instruments	USB Type-C 1.5 A DFP Controller and Power Switch, DSS0012B (WSON-12)	DSS0012B
18	U2	1		LMS3635AQRNLRQ1	Texas Instruments	3.5A Synchronous Buck Regulator for Automotive Applications, RNL0022A (VQFN-HR-22)	RNL0022A
19	J7, J9, J10	0		5-146261-1	TE Connectivity	Header, 100mil, 2x1, Gold, TH	Header, 2x1, 100mil

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