

PMP30819 REV C1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C1, C24, C26, C32, C35, C37, C38, C137, C138	9	10uF	CL21B106KOQNNNE	Samsung Electro-Mechanics	CAP, CERM, 10 µF, 16 V,+/- 10%, X7R, 0805	805
C2, C3	2	1uF	GRM188R71C105KA12D	MuRata	CAP, CERM, 1 µF, 16 V,+/- 10%, X7R, 0603	603
C4, C5, C34, C134	4	0.01uF	GRM188R71C103KA01D	MuRata	CAP, CERM, 0.01 µF, 16 V,+/- 10%, X7R, 0603	603
C6, C7, C8	3	390pF	GRM188R71H391KA01D	MuRata	CAP, CERM, 390 pF, 50 V, +/- 10%, X7R, 0603	603
C10, C11, C12, C13, C14, C15, C16, C17, C18, C19	10	47uF	LMK325B7476MM-TR	Taiyo Yuden	CAP, CERM, 47 µF, 10 V,+/- 20%, X7R, 1210	1210
C20, C21, C28, C29, C41, C42	6	22uF	GRJ31CR71A226KE12L	MuRata	CAP, CERM, 22 µF, 10 V,+/- 10%, X7R, 1206	1206
C22, C30, C39, C40, C43, C139, C140	7	0.1uF	GCM188R71C104KA37J	MuRata	CAP, CERM, 0.1 µF, 16 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
C23, C31, C44	3	3300pF	CGA2B2X7R1H332K050BA	TDK	CAP, CERM, 3300 pF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
C25, C27, C33, C36, C45	5	0.1uF	C0402C104K4RACAUTO	Kemet	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	402
J1	1		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
J2	1		800-10-004-10-001000	Mill-Max	Header, 100mil, 4x1, TH	Header, 4x1, 100mil, TH
J3	1		800-10-003-10-001000	Mill-Max	Header, 100mil, 3x1, TH	Header, 3x1, 100mil, TH
L1, L3, L4, L5	4		XGL4020-471MEC	Coilcraft	Shielded Power Inductors	SMT_4MM0_4MM0
L2	1	160 ohm	HI1206T161R-10	Laird-Signal Integrity Products	Ferrite Bead, 160 ohm @ 100 MHz, 6 A, 1206	1206
R1, R2, R3	3	3.9	CRCW08053R90JNEA	Vishay-Dale	RES, 3.9, 5%, 0.125 W, 0805	805
R5, R13	2	47	CRCW060347R0JNEA	Vishay-Dale	RES, 47, 5%, 0.1 W, 0603	603
R6	1	19.6k	CRCW060319K6FKEA	Vishay-Dale	RES, 19.6 k, 1%, 0.1 W, 0603	603
R7, R8	2	2.2k	CRCW06032K20JNEA	Vishay-Dale	RES, 2.2 k, 5%, 0.1 W, 0603	603
R9, R10, R11, R15	4	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, 0603	603
R12, R112, R116	3	5.49k	CRCW06035K49FKEA	Vishay-Dale	RES, 5.49 k, 1%, 0.1 W, 0603	603
R14, R17	2	10k	CRCW060310K0JNEA	Vishay-Dale	RES, 10 k, 5%, 0.1 W, 0603	603
R101, R102	2	2	ERJ-14BQF2R0U	Panasonic	RES, 2.00, 1%, 0.5 W, AEC-Q200 Grade 0, 1210	1210
S1	1		CL-SB-12B-01T	Copal Electronics	Switch, Slide, SPDT, 0.2A, GULL, 12V, SMD	SMD, 3-Leads, Body 8.5x3.5mm, Pitch 2.5mm
TP1, TP6, TP15	3		5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
TP2, TP5, TP14, TP24	4		5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
TP3, TP9, TP11	3		5012	Keystone	Test Point, Multipurpose, White, TH	White Multipurpose Testpoint

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
TP4, TP7, TP10, TP13, TP16, TP18, TP110, TP118	8	Double	1503-2	Keystone	Terminal, Turret, TH, Double	Keystone1503-2
TP8, TP17	2		5014	Keystone	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint
U1	1		LP875630RNFRQ1	Texas Instruments	I2C Configurable Four-Phase 8-A + 4-A + 4-A Buck Converters With Integrated Switches, RNF0026C (VQFN-HR-26)	RNF0026C
U2, U12	2		TPS74501PBQWDRVRQ1	Texas Instruments	500-mA LDO With Power-Good, DRV0006A (WSON-6)	DRV0006A

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to [TI's Terms of Sale](#) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2022, Texas Instruments Incorporated