Assembly Bill of Materials

Texas Instruments



Project Name:	Change in menu Project
Project File:	PMP9464.PrjPCB
Base ID:	XX####
Schematic Rev:	E1
Assembly Variant:	None
Build Quantity:	1
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Item	Designator	Description	RoHS	Manufacturer	PartNumber	Quantity	Required	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number 2	Alternate Manufacturer	Alternate PartNumber
1	!PCB	Printed Circuit Board	0	Any	XX####	1	1					-	-
	3.3V	Test Point, TH, Miniature, Red	Y	Keystone	5000	1	1	Digi-Key	5000K-ND			-	-
	C1, C2, C13, C19	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603	Y	AVX	06033D104KAT2A	4	4	Digi-Key	478-1244-1-ND	Mouser	581-06033D104K		
	C3	CAP, AL, 100uF, 25V, +/-20%, 0.26 ohm, SMD	Y	Panasonic	EEE-FK1E101P	1	1	Digi-Key	PCE3796CT-ND	Mouser	667-EEE-FK1E101P		
	C4. C5	CAP, CERM, 22uF, 25V, +/-10%, X5R, 1210	Y	Samsung	CL32A226KAJNNNE	2	2	Digi-Key	1276-1101-1-ND				
		CAP, CERM, 1uF, 25V, +/-10%, X7R, 1206	Y	AVX	12063C105KAT2A	3	3	Digi-Key	478-1567-1-ND	Mouser	581-12063C105K		
		CAP, CERM, 0.1uF, 16V, +/-10%, X7R, 0603	Y	Taivo Yuden	EMK107B7104KA-T	1	1	Digi-Key	587-1240-1-ND	Farnell	1683646		
1	C9	Tantalum Capacitors - Polymer SMD 6.3volts 330uF ESR	Y	Panasonic	667-6TPE330ML	1	1	Farnell	9188967				
	C10, C11, C12	CAP, CERM, 100uF, 6.3V, +/-20%, X5R, 1206	Y	MuRata	GRM31CR60J107ME39L	3	3	Digi-Key	490-4539-1-ND	Mouser	81-GRM31CR60J107ME9L		
	C15, C17	CAP, CERM, 0.1uF, 25V, +/-10%, X5R, 0603	Y	MuRata	GRM188R61E104KA01D	2	2	Digi-Key	GRM188R61E104KA01D-ND			-	-
	C16	CAP, CERM, 2.2uF, 16V, +/-10%, X5R, 0603	Y	MuRata	GRM188R61C225KE15D	1	1	Digi-Key	490-3296-1-ND			-	-
	C18	CAP, CERM, 0.01uF, 100V, +/-20%, X7R, 0603	Y	AVX	06031C103MAT2A	1	1	Digi-Key	478-3701-1-ND	Farnell	1582672	-	-
	F1, F2, F3, OFF1,	Test Point, Miniature, White, TH	Y	Keystone	5002	8	8	Digi-Key	5002K-ND	Newark	82H9632		
	OFF2, PH, VDD,												
	VREF												
1	GND, GND, VI, VO	Standard Banana Jack, Uninsulated, 5.5mm	Y	Keystone	575-4	4	4	Digi-Key	575-4K-ND				
			_										
	H1, H2, H3, H4	Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Y	B&F Fastener Supply	NY PMS 440 0025 PH	4	4	Digi-Key	H542-ND		1	-	-
					1						1	1	1
		Standoff, Hex, 0.5"L #4-40 Nylon	Y	Keystone	1902C	4	4	Digi-Key	1902CK-ND			-	-
	J1	Header, 100mil, 5x2, Gold, R/A, TH	Y	Samtec	TSW-105-08-G-D-RA	1	1	Digi-Key	SAM1037-05-ND				
	J2	Connector, Receptacle, 100mil, 5x2, Gold plated, R/A, TH	Y	Sullins Connector	PPPC052LJBN-RC	1	1	Digi-Key	S5558-ND				
			_	Solutions									
9	LBL1	Thermal Transfer Printable Labels, 0.650" W x 0.200" H -	Y	Brady	THT-14-423-10	1	1	Famell	2065596	Newark	97C5133	-	-
		10,000 per roll											
	Q1	Transistor, NPN, 40V, 0.2A, SOT-23	Y	Fairchild Semiconductor	MMBT3904	1	1	Digi-Key	MMBT3904FSCT-ND	Farnell	9846727		
	Q2, Q3	MOSFET, N-CH, 60V, 0.17A, SOT-23	Y	Diodes Inc.	2N7002-7-F	2	2	Digi-Key	2N7002-FDICT-ND	Mouser	621-2N7002-F	None	
	R1	RES, 0.03 ohm, 1%, 1W, 2010	Y	Stackpole Electronics Inc	CSRN2010FK30L0	1	1	Digi-Key	CSRN2010FK30L0CT-ND				
8	R2, R3, R4, R5,	RES, 10.2k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale	CRCW060310K2FKEA	16	16	Digi-Key	541-10.2KHCT-ND	Mouser	71-CRCW0603-10.2K-E3		
	R6, R7, R8, R12,												
	R13, R14, R16,												
	R17, R19, R20,												
	R21, R37												
		RES, 0 ohm, 5%, 0.1W, 0603	Y	Vishay-Dale	CRCW06030000Z0EA	9	9	Digi-Key		Mouser, Mouser,	71-CRCW0603-0-E3, 71-	[NoValue], [NoValue], [NoVa	[NoValue], [NoValue], [NoV
	R23, R29, R39,									Mouser, Mouser,	CRCW0603-0-E3, 71-		
	R40, R41, R42									Farnell, Mouser,	CRCW0603-0-E3, 71-		
										Mouser, Mouser,	CRCW0603-0-E3, 1288408,		
			_							Mouser	71-CRCW0603-0-E3, 71-		
											CRCW0603-0-E3, 71-		
											CRCW0603-0-E3, 71- CRCW0603-0-E3		
	845	DE0 4 50 share 401 0 400 0000		Maker Bala	ODOWIOSOSAWESEKE :			Dist March					
	R15 R28, R35	RES, 1.50k ohm, 1%, 0.1W, 0603 RES, 10.0k ohm, 1%, 0.1W, 0603	Y	Vishay-Dale Vishay-Dale	CRCW06031K50FKEA	1	1	Digi-Key	541-1.50KHCT-ND 541-10.0KHCT-ND	Mouser Farnell	71-CRCW0603-1.5K-E3 1151638		
		RES, 10.0k ohm, 1%, 0.1W, 0603 RES, 100k ohm, 1%, 0.1W, 0603	Y -		CRCW060310K0FKEA CRCW0603100KFKEA	2	2	Digi-Key	541-10.0KHCT-ND 541-100KHCT-ND	Famell	1151638	-	-
	R30, R31, R32, R33	RES, 100K 0110, 1%, 0.1W, 0603	T	Vishay-Dale	GRGW0603100KFKEA	4	4	Digi-Key	5#1-100KHC1-ND	ranell	1344301	1-	1
		RES, 16.2k ohm, 1%, 0.1W, 0603	v	Vishav-Dale	CRCW060316K2FKEA	1	1	Digi-Key	541-16.2KHCT-ND	Farnell	1157239		
		RES, 16.2k ohm, 1%, 0.1W, 0603 RES, 7.87k ohm, 1%, 0.1W, 0603	v	Vishay-Dale Vishay-Dale	CRCW06037K87FKEA	1	1	Digi-Key Digi-Key	541-7.87KHCT-ND	Farnell	1157239	-	-
		RES, 7.87K onm, 1%, 0.1W, 0603 RES, 1.00k ohm, 1%, 0.1W, 0603	· ·	Yageo America	RC0603FR-071KL	1	1	Digi-Key Digi-Key	311-1.00KHRCT-ND	i ai ittii	113/403	-	1
	R38 TP1, TP4	RES, 1.00k ohm, 1%, 0.1W, 0603 Test Point, Multipurpose, Red, TH	Y	Yageo America Kevstone	RC0603FR-071KL 5010		1	Digi-Key Digi-Key	311-1.00KHRC1-ND 5010K-ND			-	-
	TP3, TP5	Test Point, Multipurpose, Red, TH	Y	Keystone	5010	2	2	Digi-Key Digi-Key	5010K-ND 5011K-ND				
		30A SIMPLE SWITCHER(R) Power Module with 3.0V-14.5V	v	Texas Instruments	LMZ31530RLG	1	2	Digi-Key	30111-110			None	
	01	Input. RLG0072A		reves instrantents	LIVIES I SOURES	1		1			1	14010	1
	U2	IC PWR MGMT W/PMBUS 24LLP	Y	Texas Instruments	LM25056APSQE/NOPB	1	1	Digikey	LM25056APSQE/NOPB-ND			None	
	U3	Series of Adjustable Micropower Voltage Regulators, 8-pin	N	National Semiconductor	LP2951CSD	1	1	Famel	1008042			INDIA	
	03	Series of Adjustable Micropower Voltage Regulators, 8-pin	N	Inational Serficonductor	LF2951060	1	1	Famel	1000042		1	1	
	U4	Power Sequencer, 8-pin MSOP	N	National Semiconductor	LM3881MM	1	1	Famel	1552439				
	U5	IC. VID Voltage Programmer for POL		TI	LM3881MM LM10011xx	1	1	amen	1332439			None	
		SWITCH SLIDE SPDT SMD J-LEAD 50 V, 100 mA	Y	Copal	CJS-1201TA	4	4					NOTE	
	VIDA, VIDB, VIDC, VIDS	SWITCH SEIDE OF DI SWD S-LEAD SO V, TOUTIA	· · _	Copai	033-12011A		4						

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