

Powering the TMS320C6745 and TMS320C6747 with the TPS650061

COUNT	RefDes	Value	Description	Size	Part Number	MFR	Area
4	C1, C6, C8, C9	10uF	Capacitor, Ceramic, 10V, X5R, 10%,	0805		Std	
2	C2, C3	2.2uF	Capacitor, Ceramic, 10V, X5R, 10%	0603		Std	
1	C4	0.1uF	Capacitor, Ceramic, 16V, X7R, 10%	0603		Std	
0	C5	Open	Capacitor, Ceramic, 16V, X7R, 10%	0603		Std	
1	C7	22pF	Capacitor, Ceramic, 50V, C0G, 5%	0603		Std	
1	L1	2.2uH	Inductor, SMT, 2.0A, 110milliohm	0.118 x 0.118 inch		Coilcraft	
2	Q1, Q2	2N2222	Transistor, NPN, 40V	SOT-23		Std	
2	R2, R9	47.5k	Resistor, Chip, 1/16W, 1%	0603		Std	
1	R3	976k	Resistor, Chip, 1/16W, 1%	0603		Std	
1	R4	232K	Resistor, Chip, 1/16W, 1%	0603		Std	
3	R5, R6, R7	475k	Resistor, Chip, 1/16W, 1%	0603		Std	
1	R8	100k	Resistor, Chip, 1/16W, 1%	0603		Std	
1	U1	TPS650061RUK	IC, 2.25 MHz Step Down Converter with Dual LDOs and SVS	QFN		TI	

- Notes:
1. These assemblies are ESD sensitive, ESD precautions shall be observed.
 2. These assemblies must be clean and free from flux and all contaminants.
Use of no clean flux is not acceptable.
 3. These assemblies must comply with workmanship standards IPC-A-610 Class 2.
 4. Ref designators marked with an asterisk ('**') cannot be substituted.
All other components can be substituted with equivalent MFG's components.

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