

Bill of Materials

Reference Design PR2084

Powering the OMAP-L132/OMAP-L137/OMAP-L138 with the TPS650061



See Application Note SLVA513 for more information.

RefDes	Value	Description	Size	Part Number	Mfr	Qty
C1, C6, C8, C9	10uF	Capacitor, Ceramic, 10V, X5R, 10%	805	GRM21BR61A106KE19L	muRata	4
C2, C3	2.2uF	Capacitor, Ceramic, 16V, X5R, 10%	603	GRM188R61C225KE15D	muRata	2
C4	0.1uF	Capacitor, Ceramic, 50V, X7R, 10%	805	GRM21BR71H104KA01L	muRata	1
C5	0.1uF	Capacitor, Ceramic, 25V, X7R, 10%	603	Std	Std	0
C7	22pF	Capacitor, Ceramic, 50V, C0G, 5%	603	Std	Std	1
C10, C11, C12	1uF	Capacitor, Ceramic, 6.3V, X5R, 10%	603	Std	Std	3
D1, D2, D3	MBR0540	Diode, Schottky, 0.5A, 40V	SOD-123	MBR0540	Fairchild	3
L1	2.2uH	Inductor, SMT, 2.0A, 110mΩ	0.118 x 0.118 inch	LPS3015-222ML	Coilcraft	1
R1, R2	47kΩ	Resistor, Chip, 1/16W, 5%	603	Std	Std	2
R3	976kΩ	Resistor, Chip, 1/16W, 1%	603	Std	Std	1
R4	232kΩ	Resistor, Chip, 1/16W, 1%	603	Std	Std	1
R5, R6	475kΩ	Resistor, Chip, 1/16W, 1%	603	Std	Std	2
R7	470Ω	Resistor, Chip, 1/16W, 1%	603	Std	Std	1
R8	22Ω	Resistor, Chip, 1/16W, 5%	603	Std	Std	1
R9	2.2kΩ	Resistor, Chip, 1/16W, 1%	603	Std	Std	1
R10	1.1kΩ	Resistor, Chip, 1/16W, 1%	603	Std	Std	1
R11	5.1kΩ	Resistor, Chip, 1/16W, 1%	603	Std	Std	1
U1	TPS650061	IC, 2.25 MHz Step-Down Converter with Dual LDOs and SVS	QFN	TPS650061RUK	TI	1

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