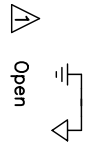


Some board layout as HPA092 EVM using lower cost components



Title	TPS75003		
Size	Number	Rev	
B	PR461		
Date	03/31/05		
Filename	PR461.sch	Drawn by	
		Sheet	of

Filename: PR461_bom.xls					
Date: 03/02/2005					
PR461 BOM					
COUNT	RefDes	DESCRIPTION	SIZE	Part Number	MFR
2	C1, C12	Capacitor, Tantalum, 100-uF, 6.3-V, 150-milliohm, 10%	6032 (C)	TPSC107K006R0150	AVX
1	C10	Capacitor, Ceramic, 10-pF, 50-V, C0G, 5%	0603	C1608C0G1H100D	TDK
0	C11, C15, C16, C17, C18	Capacitor, Ceramic, xx-uF, xx-V	0603		
1	C13	Capacitor, POSCAP, 100-uF, 6.3-V, 45-milliohm, 20%	6032 (C)	6TPB100MC	Sanyo
2	C2, C4	Capacitor, Ceramic, 0.1-uF, 16-V, X7R, 10%	0603	C1608X7R1C104K	TDK
2	C3, C5	Capacitor, Ceramic, 1500-pF, 50-V, X7R, 10%	0603	C1608X7R1H152K	TDK
1	C6	Capacitor, Ceramic, 1.0-uF, 6.3-V, X5R, 10%	0603	C1608X5R0J105K	TDK
1	C7	Capacitor, Ceramic, 0.01-uF, 50-V, X7R, 10%	0603	C1608X7R1H103K	TDK
3	C8, C9, C14	Capacitor, Ceramic, 10-uF, 10-V, X5R, 20%	0805	C2012X5R1A106MT	TDK
1	D1	Diode, Schottky, 1A, 20V	457-04	MBRM120	On Semi
1	D2	Diode, Schottky, 3.0-A, 20-V	SMC	SS32	Vishay
8	J1 - J8	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 x 2	PTC36SAAN	Sullins
2	JP1, JP3	Header, 3-pin, 100mil spacing, (36-pin strip)	0.100 x 3	PTC36SAAN	Sullins
1	JP2	Header, 2-pin, 100mil spacing, (36-pin strip)	0.100 x 2	PTC36SAAN	Sullins
1	L1	Inductor, SMT, 4.7-uH, 3.09-A, 29.7-milliohm	0.300 sq"	DR73-4R7	Coiltronics
1	L2	Inductor, SMT, 15-uH, 4.27-A, 29.8-milliohm	0.492 sq"	DR125-150	Coiltronics
2	Q1, Q2	MOSFET, Pch, -20V, -2.0A, 70 milliohm	SOT23	FDN340	Fairchild
3	R1, R2, R3	Resistor, Chip, 100k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R10	Resistor, Chip, 0-Ohms, 1/16W, 5%	0603	Std	Std
0	R11	Resistor, Chip, xx-Ohms, 1/16-W, 1%	0603		
2	R4, R5	Resistor, Chip, 0.033-Ohms, ¼ W, 1%	1210	Std	Std
2	R6, R8	Resistor, Chip, 61.9k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R7	Resistor, Chip, 15.4k-Ohms, 1/16-W, 1%	0603	Std	Std
1	R9	Resistor, Chip, 36.5k-Ohms, 1/16-W, 1%	0603	Std	Std
1	U1	IC, Triple Channel DC/DC Converter	QFN-20	TPS75003RGY	TI
3	--	Shunt, 100-mil, Black	0.100	929950-00	3M

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