



△ Open

△ Same components as HPA092 EVM with different ENx connections to sequence VOUT1 = 1.2V, VOUT3 = 2.5V then VOUT2 = 3.3V.

Title	TPSZ5003		
Size	Number	Rev	
B	PR455		
Date	03/31/05	Drawn by	
Filename	pr455.sch	Sheet	of

Filename: PR455_bom.xls					
Date: 02/24/2005					
<b>PR455 BOM</b>					
COUNT	RefDes	DESCRIPTION	SIZE	Part Number	MFR
3	C1, C12, C13	Capacitor, POSCAP, 100-uF, 6.3-V, 45-milliohm, 20%	6032 (C)	6TPB100MC	Sanyo
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		
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
1	L1	Inductor, SMT, 5.0-uH, 2.9-A, 24-milliohms	0.264 sq	CDRH6D38-5R0	Sumida
1	L2	Inductor, SMT, 15-uH, 2.6-A, 53-milliohm	0.327 X 0.327	CDRH8D43-150	Sumida
2	Q1, Q2	MOSFET, P-ch, 20-V, 4.7-A, 39-milliOhm	SOT23	Si2323DS	Vishay
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	TPS75003RHLLR	TI

## IMPORTANT NOTICE

Texas Instruments Incorporated and its subsidiaries (TI) reserve the right to make corrections, modifications, enhancements, improvements, and other changes to its products and services at any time and to discontinue any product or service without notice. Customers should obtain the latest relevant information before placing orders and should verify that such information is current and complete. All products are sold subject to TI's terms and conditions of sale supplied at the time of order acknowledgment.

TI warrants performance of its hardware products to the specifications applicable at the time of sale in accordance with TI's standard warranty. Testing and other quality control techniques are used to the extent TI deems necessary to support this warranty. Except where mandated by government requirements, testing of all parameters of each product is not necessarily performed.

TI assumes no liability for applications assistance or customer product design. Customers are responsible for their products and applications using TI components. To minimize the risks associated with customer products and applications, customers should provide adequate design and operating safeguards.

TI does not warrant or represent that any license, either express or implied, is granted under any TI patent right, copyright, mask work right, or other TI intellectual property right relating to any combination, machine, or process in which TI products or services are used. Information published by TI regarding third-party products or services does not constitute a license from TI to use such products or services or a warranty or endorsement thereof. Use of such information may require a license from a third party under the patents or other intellectual property of the third party, or a license from TI under the patents or other intellectual property of TI.

Reproduction of information in TI data books or data sheets is permissible only if reproduction is without alteration and is accompanied by all associated warranties, conditions, limitations, and notices. Reproduction of this information with alteration is an unfair and deceptive business practice. TI is not responsible or liable for such altered documentation.

Resale of TI products or services with statements different from or beyond the parameters stated by TI for that product or service voids all express and any implied warranties for the associated TI product or service and is an unfair and deceptive business practice. TI is not responsible or liable for any such statements.

Following are URLs where you can obtain information on other Texas Instruments products and application solutions:

<b>Products</b>		<b>Applications</b>	
Amplifiers	<a href="http://amplifier.ti.com">amplifier.ti.com</a>	Audio	<a href="http://www.ti.com/audio">www.ti.com/audio</a>
Data Converters	<a href="http://dataconverter.ti.com">dataconverter.ti.com</a>	Automotive	<a href="http://www.ti.com/automotive">www.ti.com/automotive</a>
DSP	<a href="http://dsp.ti.com">dsp.ti.com</a>	Broadband	<a href="http://www.ti.com/broadband">www.ti.com/broadband</a>
Interface	<a href="http://interface.ti.com">interface.ti.com</a>	Digital Control	<a href="http://www.ti.com/digitalcontrol">www.ti.com/digitalcontrol</a>
Logic	<a href="http://logic.ti.com">logic.ti.com</a>	Military	<a href="http://www.ti.com/military">www.ti.com/military</a>
Power Mgmt	<a href="http://power.ti.com">power.ti.com</a>	Optical Networking	<a href="http://www.ti.com/opticalnetwork">www.ti.com/opticalnetwork</a>
Microcontrollers	<a href="http://microcontroller.ti.com">microcontroller.ti.com</a>	Security	<a href="http://www.ti.com/security">www.ti.com/security</a>
		Telephony	<a href="http://www.ti.com/telephony">www.ti.com/telephony</a>
		Video & Imaging	<a href="http://www.ti.com/video">www.ti.com/video</a>
		Wireless	<a href="http://www.ti.com/wireless">www.ti.com/wireless</a>

Mailing Address: Texas Instruments  
Post Office Box 655303 Dallas, Texas 75265