

DOCUMENT REVISION HISTORY

REV	DEPT.	BY	DATE	DESCRIPTION
-	ENGINEERING			INITIAL RELEASE
	Q.A.			
	PRODUCTION			
	CUSTOMER			
	ORIGINATOR	Lawrence Chu	8/22/02	
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	CUSTOMER			
	ORIGINATOR			

PROPRIETARY NOTICE

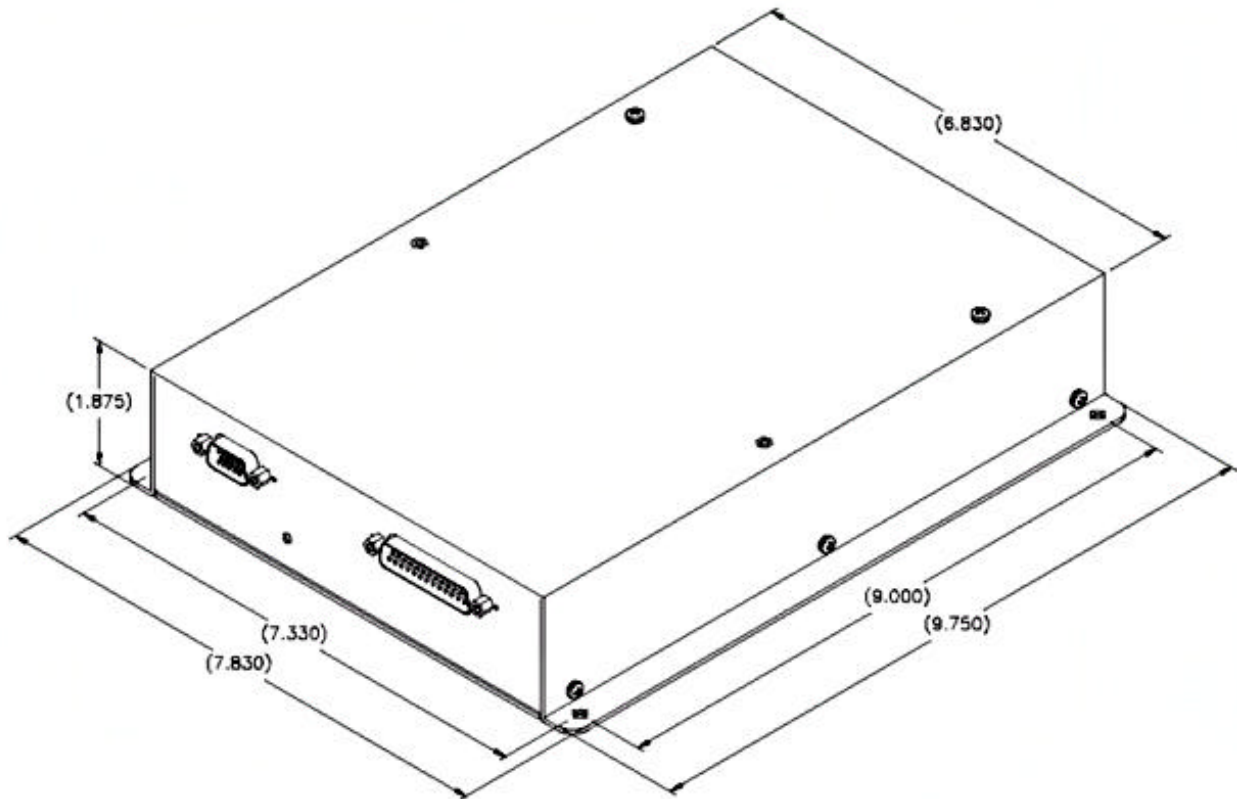
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PART NUMBER **PFH-901**

PART NAME **SURROUND PROCESSOR
MODULE**

DOCUMENT NUMBER **TOP PFH-901**

BILL OF MATERIAL: BOM PFH-901



FEATURES AND FUNCTIONS:

- ?? Deliver Pinpoint, Precise Imaging of music, and Superb sound effects typical of movies.
- ?? Operated under analog inputs and works totally in the analog domain to ensure the decoding process on any source of audio formats.
- ?? None DSP architecture decoding of Dolby Digital?, AC-3?, 5.1, DTS? as well as the basic Stereo and provides full times 6 speaker channel driver outputs.
- ?? Wide range of Input Signal level acceptance and capable of processing the volume controlled signals and place it right before the Audio Power Amplifier.

DPI LABS INC. 1350 Arrow Hwy. La Verne, CA 91750 U.S.A. Tel: (909) 392-5777 Fax: (909) 392-0277	DOCUMENT NO.			REVISION
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SPECIFICATIONS GENERAL:

Operating Voltage:	17 - 32 VDC
Operating Current:	1.0 Amps Max.
Operating Temperature:	-10 to +55 °C
Audio Inputs:	0 – 2.0 Vrms at 10K ohms, Stereo
Frequency Response:	10 – 20,000 Hz (1.5 dB)
Audio Output Channels:	6 (FL / FR / CENTER / SUB / RL / RR)
Audio Outputs:	0 – 2.0 Vrms at 600 ohms, All Channels.
Decode Format:	Dolby Digital? , AC-3? , 5.1, DTS?
S/N Ratio:	90 dB A weighted.
Connectors:	J1, D-Sub 9-pin Male, Power Input J2, D-Sub 25-pin Male, Audio Interface.
Dimensions:	7.85" W x 1.90" H x 10.00" D
Weight:	1.8 lbs

J1 POWER INPUT CONNECTOR PIN OUT:

J1 D-Sub 9-pin Male Power Input Connector			
PIN	FUNCTION	PIN	FUNCTION
1	28 VDC POWER INPUT	6	28 VDC POWER INPUT
2	N/C	7	N/C
3	N/C	8	GND POWER RETURN
4	GNG POWER RETURN	9	CHASSIS
5	CHASSIS		

Notes:

?? Pins with same function's description are internal connected.

J2 SYSTEM CONNECTOR PIN OUT:

J2 D-Sub 25-pin Male Audio Interface Connector			
PIN	FUNCTION	PIN	FUNCTION
1	LF AUDIO OUTPUT HI	14	RF AUDIO OUTPUT HI
2	LF AUDIO OUTPUT LO	15	RF AUDIO OUTPUT LO
3	LF AUDIO OUTPUT SHLD	16	RF AUDIO OUTPUT SHLD
4	CENTER AUDIO OUTPUT SHLD	17	SUB AUDIO OUTPUT SHLD
5	CENTER AUDIO OUTPUT LO	18	SUB AUDIO OUTPUT LO
6	CENTER AUDIO OUTPUT HI	19	SUB AUDIO OUTPUT HI
7	STEREO SEL SW	20	RESERVED
8	LR AUDIO OUTPUT HI	21	RR AUDIO OUTPUT HI
9	LR AUDIO OUTPUT LO	22	RR AUDIO OUTPUT LO
10	LR AUDIO OUTPUT SHLD	23	RR AUDIO OUTPUT SHLD
11	STEREO SEL RETURN	24	AUDIO INPUT SHLD
12	AUDIO INPUT COMMON	25	AUDIO INPUT RIGHT
13	AUDIO INPUT LEFT		

Notes:

- ?? 22 AWG Double Shielded Twisted cable shall be use on all audio input/output connections with one end shield terminated on Shld pinl.
- ?? Stereo Sel SW/Return: Connecting these signal pin together via external relay to set the processor to be operated in the enhanced stereo mode.