

INTRODUCTION

Exar has designed adaptor boards which allow Exar's AFE video chips to substitute for alternate vendor's AFE products. This allows quick and easy evaluation of the XRD9861 in existing DSC's and Camcorders. The XRD9861 CAM VSP2212 EVAL is a design module that solders directly into the PCB footprint of the VSP2212. Figure 1. shows the surface mount adaptor which solders to the PCB footprint, and the EXAR Adaptor Board which plugs into the backend of the surface mount adaptor. Figure 2. is a picture of the surface mount adaptor plugged into the EXAR Adaptor Board.

PROCEDURE

1. Solder the 48-pin surface mount adaptor to the VSP2212 PCB footprint in the DSC or Camcorder.
2. Plug the EXAR Adaptor Board into the backend of the surface mount adaptor using the four mounting screws provided.
3. Once the surface mount adaptor has been soldered, the XRD9859 can also be easily evaluated by plugging in a XRD9859 adaptor board. The XRD9861 and XRD9859 adaptor boards are interchangeable. See the Ordering Information Section.

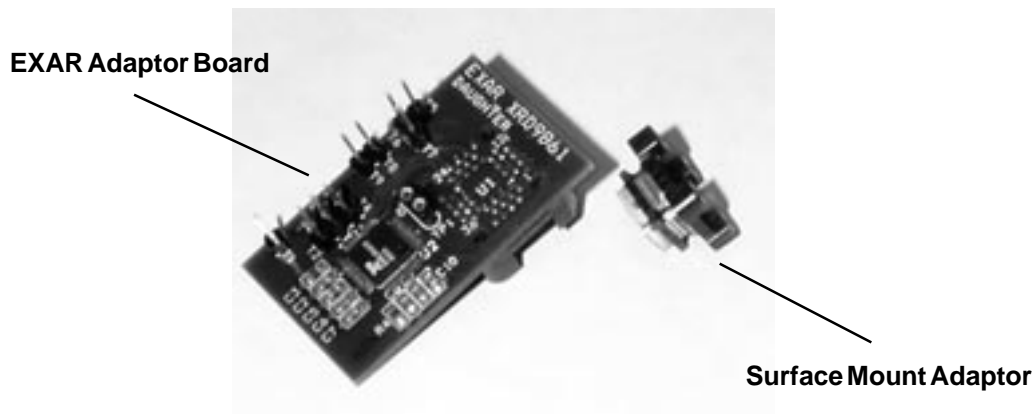


Figure 1. Exar Adaptor Board and Surface Mount Adaptor

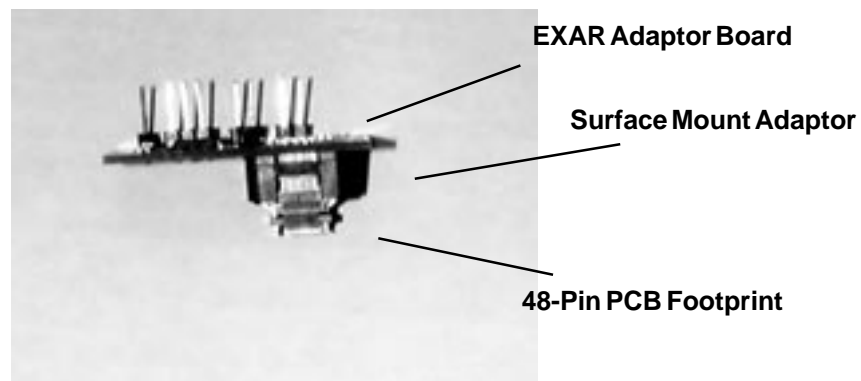


Figure 2. Side View, Surface Mount Adaptor Plugged Into the Exar Adaptor Board



Figure 3. Timing Board One EVAL (Serial Port Programming Board, Ordered Separately) Connected to the Exar Adaptor Board Which Programs the Serial Port of the XRD9861

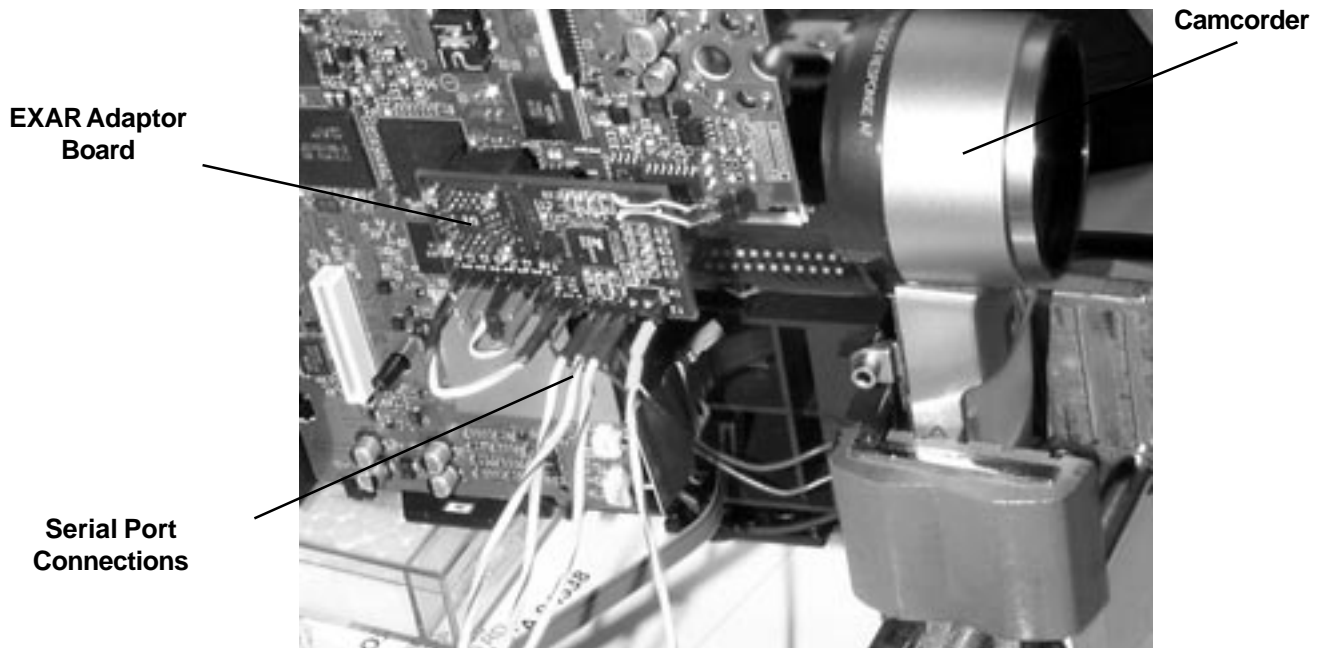


Figure 4. Exar Adaptor Board Inserted Into the Camcorder with the Serial Port Connections Shown

Note:

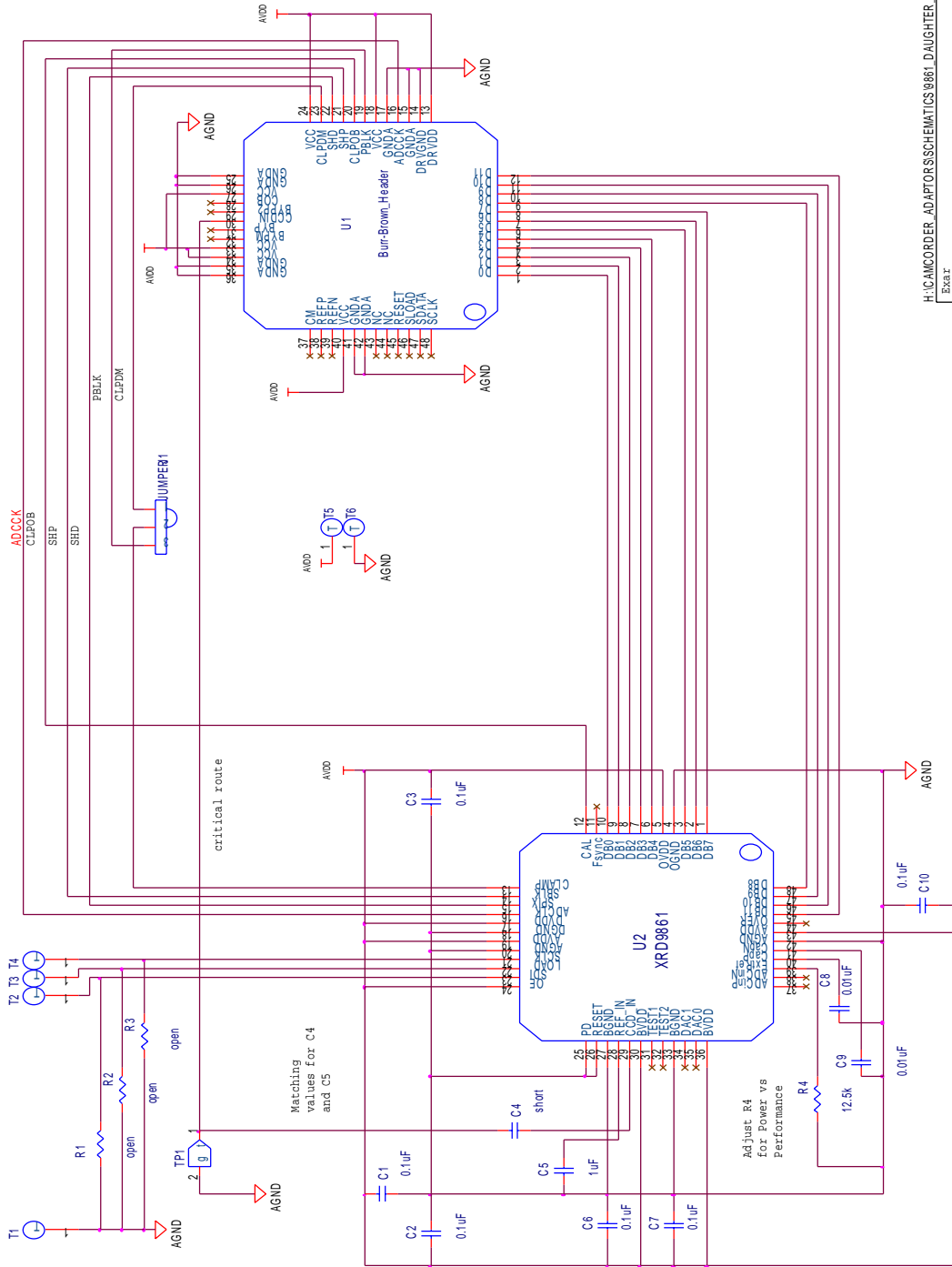
Input capacitor C5 for REF_IN (See schematic on page 4) to the XRD9861 must match the value for the CCD_IN capacitor (Pin 29 on the XRD9861).

ORDERING INFORMATION

- Timing Board One EVAL (Serial Port Programming Board)
- XRD9859 CAM AD9803 EVAL (Analog Devices Adaptor AD9803)
- XRD9859 CAM AD9843 EVAL (Analog Devices Adaptor AD9843)
- XRD9859 CAM HD49323a EVAL (Hitachi Adaptor HD49323a)
- XRD9859 CAM VSP2210 EVAL (Burr-Brown Adaptor VSP2210)
- XRD9861 CAM AD9803 EVAL (Analog Devices Adaptor AD9803)
- XRD9861 CAM AD9843 EVAL (Analog Devices Adaptor AD9843)
- XRD9861 CAM HD49323a EVAL (Hitachi Adaptor HD49323a)
- XRD9861 CAM VSP2212 EVAL (Burr-Brown Adaptor VSP2212)

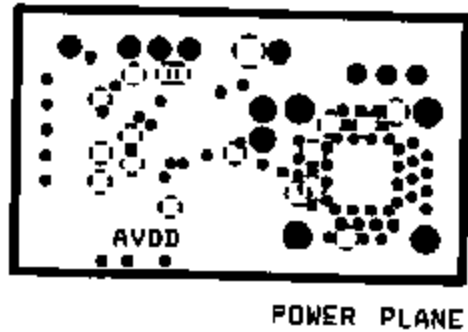
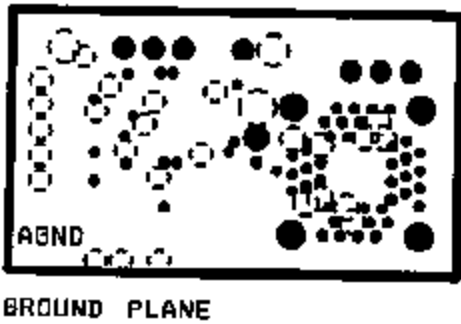
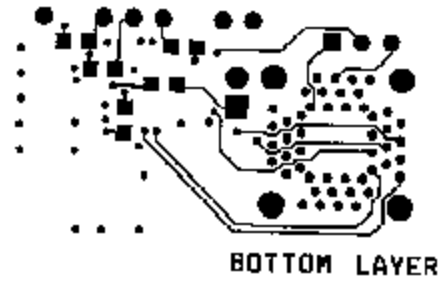
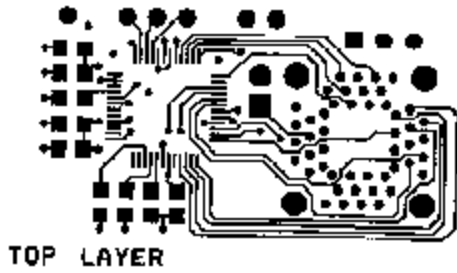
Note: All adaptor boards are for a 48-pin QFP package of the alternate vendor.

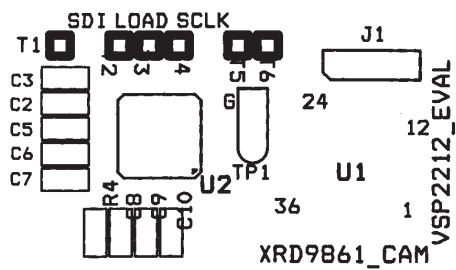
XRD9861 CAM VSP2212 EVAL



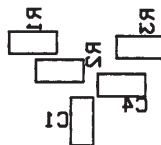
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Exar	
T6	XRD9861_CAM_VSP2212_EVAL
SW	DocuNet Viewer
B	Exar_Burr-Brown_Adapter
REV	0
DATE	Wednesday, June 28, 2000
SHEET	1 of 1





TOP SILK SCREEN



BOTTOM SILK SCREEN



Notes



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