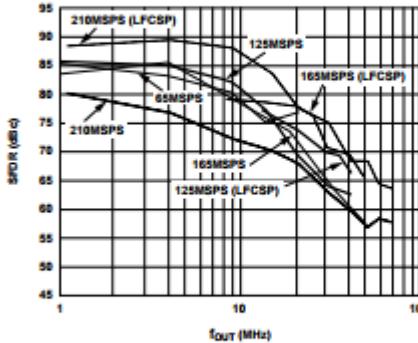






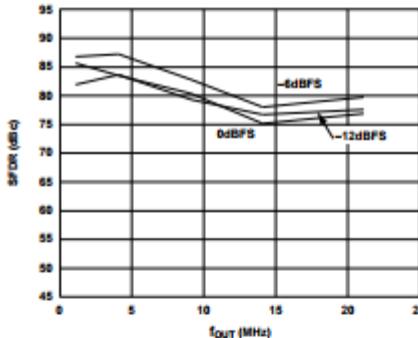


## TYPICAL PERFORMANCE CHARACTERISTICS

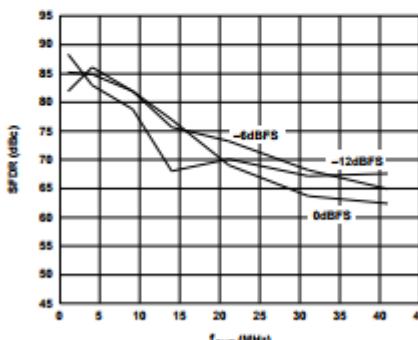
Figure 5. SFDR vs.  $f_{out}$  at 0 dBFS

EIA/TIA-455-3

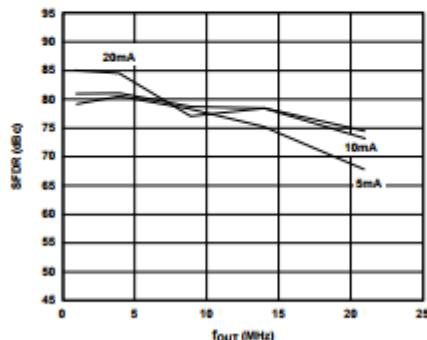
EIA/TIA-455-3

Figure 6. SFDR vs.  $f_{out}$  at 65 MSPS

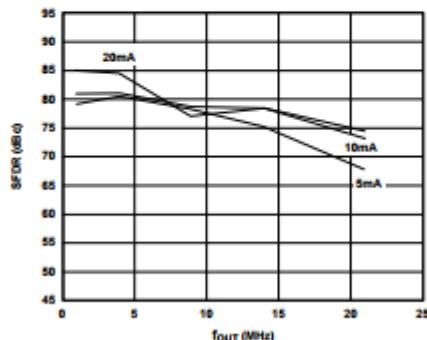
EIA/TIA-455-3

Figure 7. SFDR vs.  $f_{out}$  at 125 MSPS

EIA/TIA-455-3

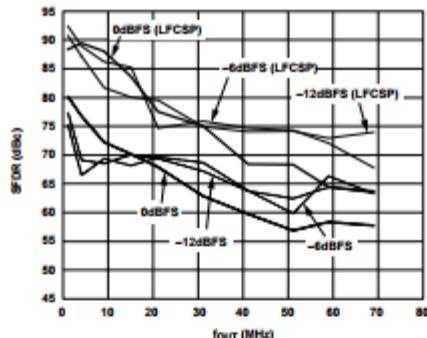
Figure 10. SFDR vs.  $f_{out}$  and  $I_{out}$  at 65 MSPS and 0 dBFS

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Figure 8. SFDR vs.  $f_{out}$  at 165 MSPS

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Figure 9. SFDR vs.  $f_{out}$  at 210 MSPS

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## EVALUATION BOARD

## GENERAL DESCRIPTION

The TxDAC family evaluation boards allow for easy setup and testing of any TxDAC product in the SOIC and LFCSP packages. Careful attention to layout and circuit design, combined with a prototyping area, allows the user to evaluate the AD9744 easily and effectively in any application where high resolution, high speed conversion is required.

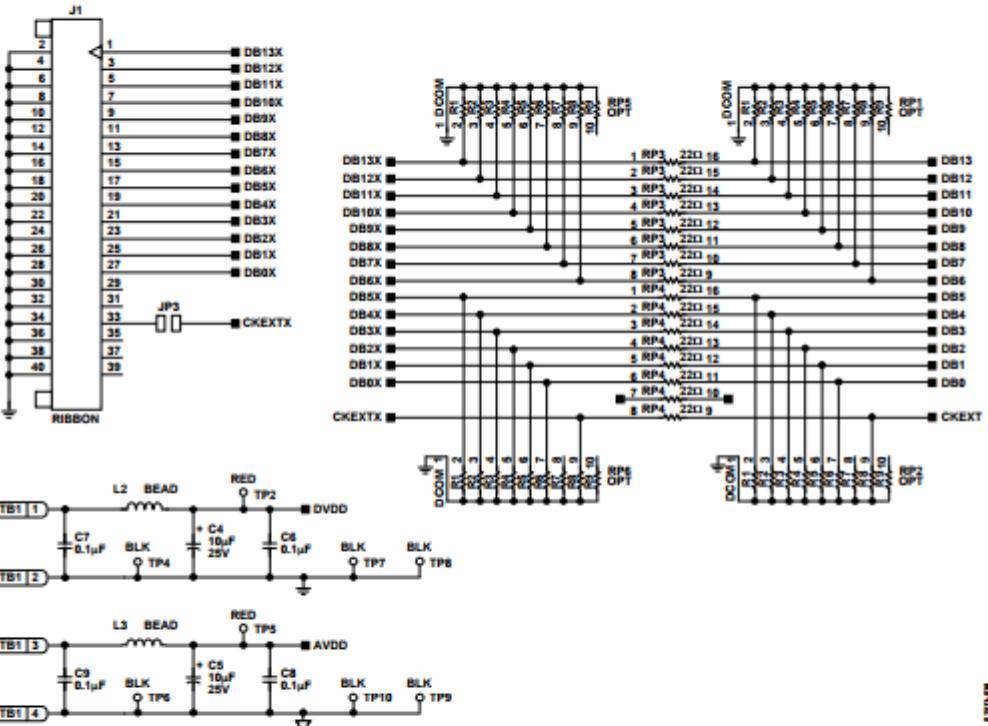


Figure 41. SOIC Evaluation Board—Power Supply and Digital Inputs

EIA/TIA-455-3