

TMS320C54x DSKplus Adapter Kit for TLV1562EVM and TLVx544/x548EVM

Installation Guide

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TMS320C54x DSKplus Adapter Kit for TLV1562EVM and TLVx544/x548EVM

By Thomas E. Hendrick

ABSTRACT

The TMS320C54x DSKplus Adapter Kit was developed to provide a convenient interface for the TLV1562 and TLVx544/x548 evaluation modules. The kit includes 36 position three-row headers and sockets to provide a direct connection to the C54x DSK and standard ribbon cables to connect to the evaluation modules.

Kit Contents

The adapter kit includes:

ITEM	QUANTITY	MANUFACTURER	PART NUMBER	CONTACT
36-pin three-row headers	4	Crane Connectors	PEG36TS-TBR	1-800-676-7644
36-pin three-row sockets	4	Crane Connectors	ATP36TS-TCB	
26-pin dual-row header	2	3M	30326-6002HB	1-800-225-5373
34-pin dual-row header	1	3M	303	

C54x Adapter board

The 36-position three-row headers should be installed on the *underside* of the C54x adapter board in positions JP1, JP3, JP4, and JP5. There is no special orientation for this operation

This method provides an assembly that can be plugged directly onto the DSKplus board.

TP1 and TP2 provide monitor points for the DSK supply voltage.

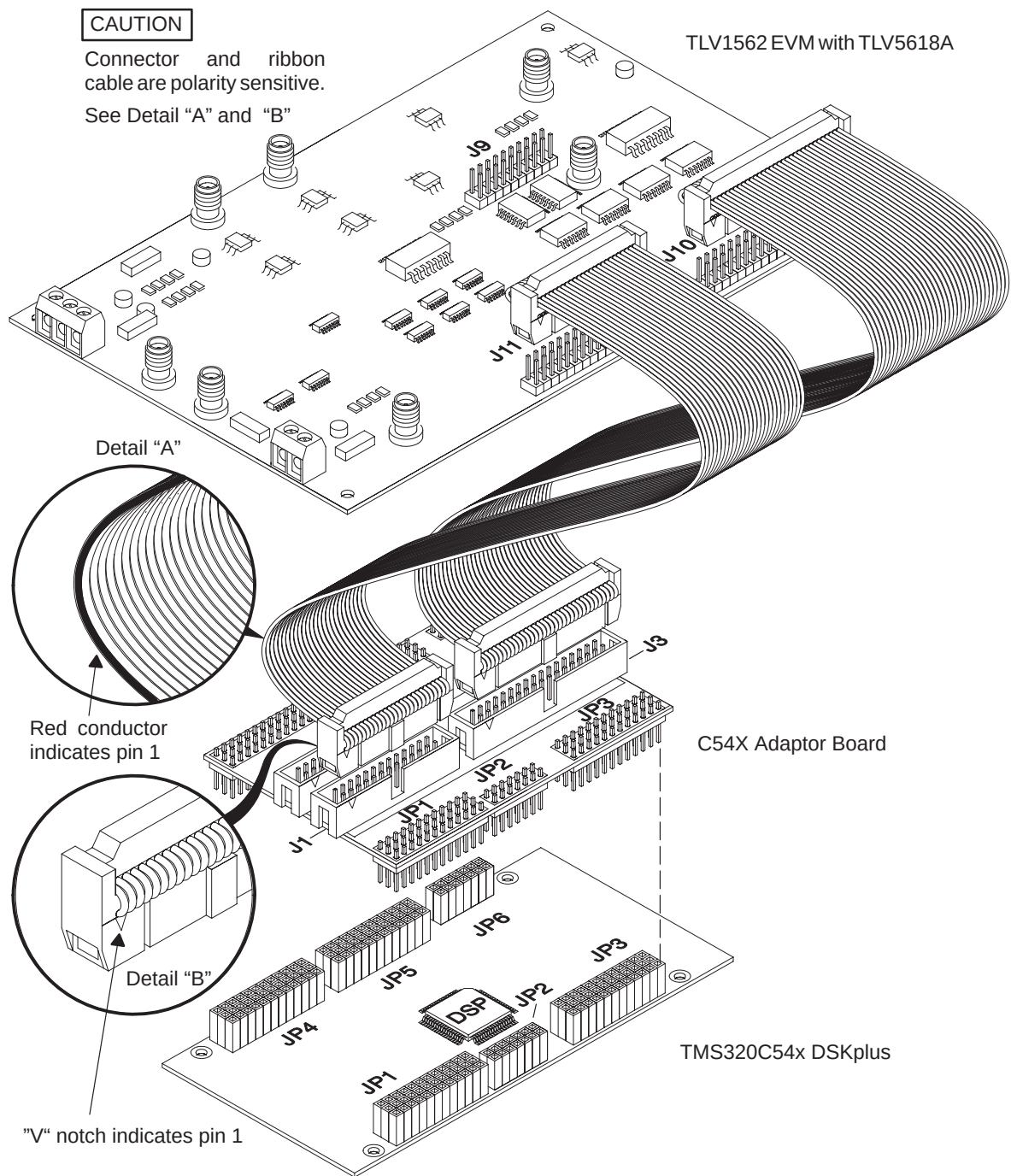
TEST POINT	VOLTAGE
TP1	0 V (digital GND)
TP2	5 V

TLV1562 Interface

The TLV1562 evaluation module requires a 26-pin connector in position J1, and a 34-pin connector in position J3. The 34-pin mating cable carries the 16 data lines from the DSP to the EVM, see Figure 1 for details. ClockOut from the DSP is also available on this cable. The 26-pin cable carries the control signals such as *Frame Sync* (FS) and *Chip Select* (CS*).

TLVx544/x548 Interface

The TLVx544/x548 evaluation module requires only a 26-pin connector in position J2, see Figure 2 for details. This cable carries the serial data from the DSP to the evaluation module as well as control signals such as *Chip Select* (CS*) and *Serial Clock* (SCLK).



CAUTION

Connector and ribbon cable are polarity sensitive.
See Detail "A" and "B"

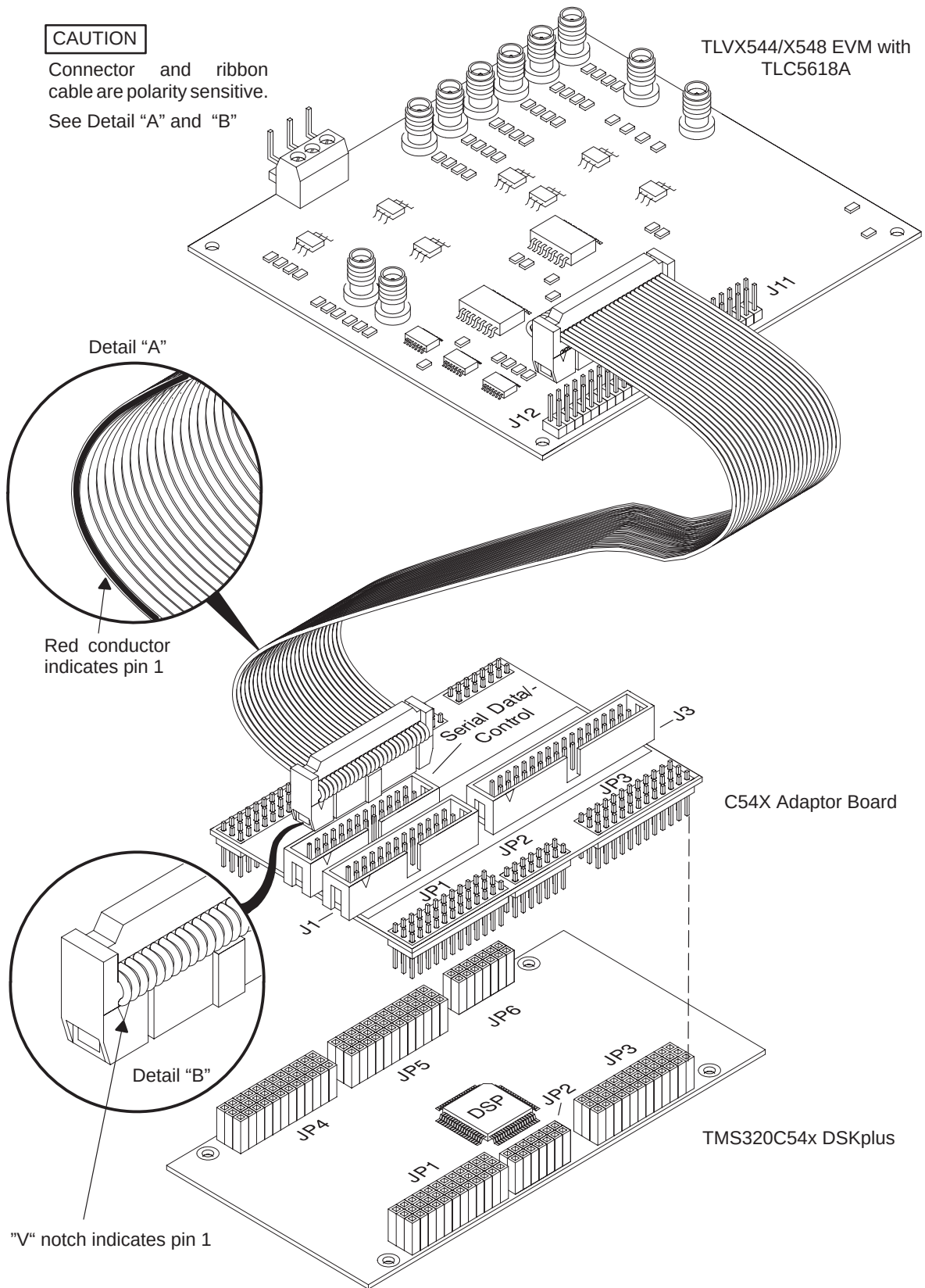


Figure 2. TLVx544/x548 EVM