

# MIL-STD-1553 PCB MOUNT COUPLERS

The use of DDIP-packaged couplers enables the 1553 network designer to minimize the number of connectors by mounting the couplers on a printed circuit board within the power and signal distribution box. This unique concept for data bus couplers and terminators offer MIL-STD-1553 users a new flexibility in data bus networks.

All resistors are 1 Watt per MIL-R-39007, Failure Grade S, and the transformers are manufactured to MIL-T-21038. Internally entire coupler is encapsulated for maximum protection. Case material is hot-tinned cold rolled steel.

Specification Control Drawings are available to help you document the part selected for your system.

## Features:

- DDIP package
- Multi-Stub

## Electrical Specifications:

All parameters are in accordance with MIL-STD-1553B and Notice 2.

Droop	20% Maximum @ 250 kHz
Overshoot and Ringing	± 1.0V Peak
Common Mode Rejection	-55.0 dB (Min) @ 1 MHz
Fault Protection	59Ω ± 1%, 1 Watt per MIL-R-39007
Turns Ratio	1:1.41
Stub Voltage	1.0V <sub>PP</sub> to 14.0V <sub>PP</sub> transformer-coupled
Operating Temperature	-55°C to +125°C
Storage Temperature	-55°C to +150°C

Higher temperature units available.

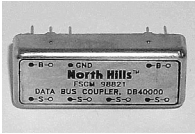
*Specifications subject to change without notice.*



North Hills Model # DB40000 PCB Mount Coupler.

## Benefits:

- Small size
- High reliability
- Fast turn around for custom units
- Ideal for central routing applications (Backplanes and Chassis)

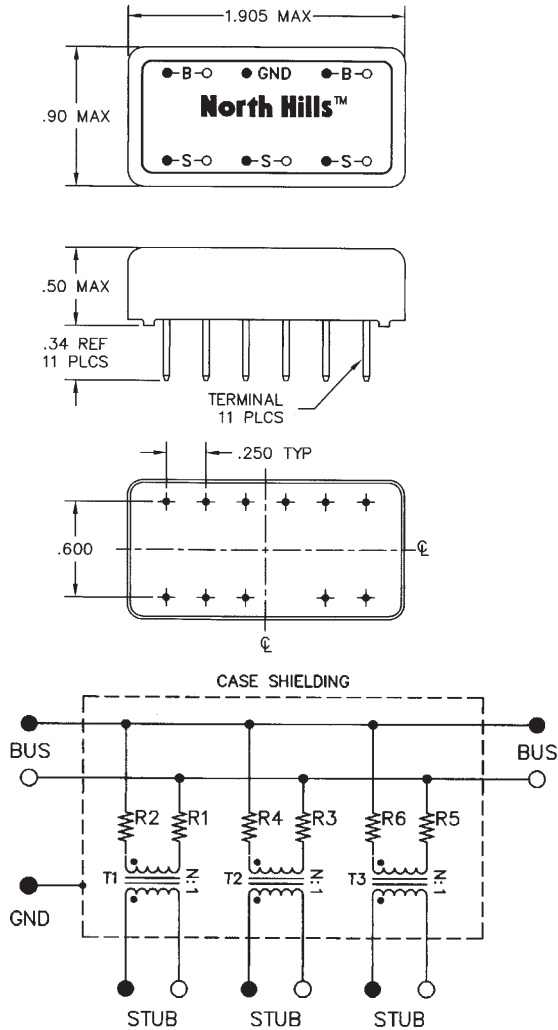


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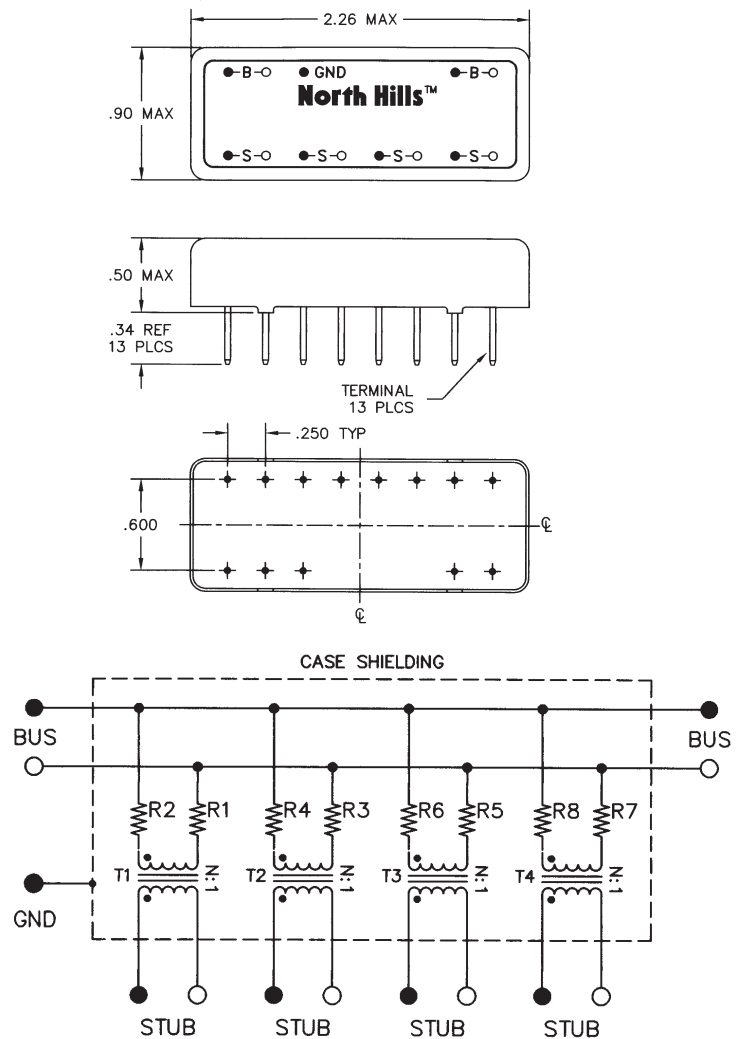
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### Mechanical Specifications:

#### 3-Stub Configuration - Model DB30000



#### 4-Stub Configuration - Model DB40000



### Mechanical Notes:

1. Case Material - cold-rolled steel, hot tinned.
2. Terminals - P.C. board mount, 0.040" solderable pins.

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### Ordering Information:

Model #	Description
DB30000	3 stubs with no internal termination
DB32000	3 stubs with one internal termination
DB33000	3 stubs with dual internal termination
DB40000	4 stubs with no internal termination
DB42000	4 stubs with one internal termination
DB43000	4 stubs with dual internal termination

[Click here for a full list of accessories](#)

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