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Find the *DDC / North Hills DB10311* at our website: *Click HERE*

North Hills™ Signal Processing Corp.

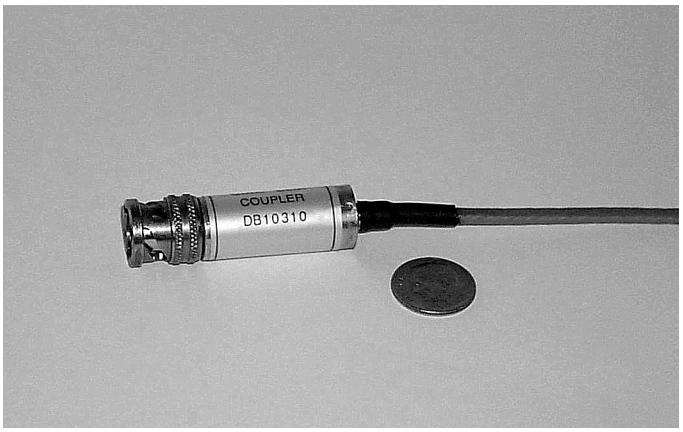
ISO 9001:2008 Certified

IN-LINE MIL-STD-1553 QUICK-CLIK COUPLERS

The use of QUIK-CLIK couplers can reduce the number of connectors and solder joints in the network thereby improving reliability significantly. This unique concept for data bus couplers and terminators offer MIL-STD-1553 users a new flexibility in data bus networks. Bus networks can be designed with simple “T” connectors where stubs are required. When the bus is completed the couplers can be “clicked” on as you would any other cable. Although the standard stocked units are manufactured with MIL-C-17/176-00002 cable, a variety of different cables, including quadrax cable, can be specified. Couplers can also be ordered with your choice of connectors installed at either end. Stocked units have 3 meter (9+ feet) leads with pig tails. Other lengths are available on special order with fast turn around.

All resistors are 1 Watt per MIL-R-39007, failure grade S, and the transformers are manufactured to MIL-T-21038. Internally, the couplers are manufactured for maximum strength by soldering the shield for 360 degrees around the ferrule inside the case, the conductors are given a strain release loop before being soldered to the internal printed circuit board. The entire coupler is encapsulated for maximum protection.

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



North Hills Model # DB10310 Quick-Clik Coupler.

Features:

- Any cable length or type
- Rugged-fully encapsulated
- Bayonet or threaded connectors
- Any connector type

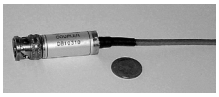
Benefits:

- Lowest cost
- Smallest size
- High reliability
- Fast turn around for custom units

North Hills™ Signal Processing Corp.
6851 Jericho Turnpike
Syosset, NY 11791
Phone: 516-682-7700
Fax: 516-682-7704

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IN-LINE MIL-STD-1553 QUICK-CLIK COUPLERS

Reduce the number of connectors and solder joints in the network thereby improving reliability significantly.

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	$1.0V_{PP}$ to $14.0V_{PP}$ transformer coupled
Operating Temperature	-55ºC to 125ºC
Storage Temperature	-55ºC to 150ºC
Higher temperature units available.	*Specifications subject to change without notice.*

Ordering Information:

Interface	Model #	Turns Ratio	Input Impedance (Ω), 75 kHz to 1 MHz	Wt[1] (Gms)	Mating Connector
TRB/70 Series PLUG, Bayonet	DB10310	1:1.41	3000	25	TRB/70 Series JACK
TRB/70 Series JACK, Bayonet	DB10311	1:1.41	3000	27	TRB/70 Series PLUG
TRB/70 Series PLUG, Threaded	DB10320	1:1.41	3000	29	TRT/70 Series JACK
TRB/70 Series JACK, Threaded	DB10321	1:1.41	3000	31	TRT/70 Series PLUG

[1] Excluding cable.

Click here for a full list of accessories

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