

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

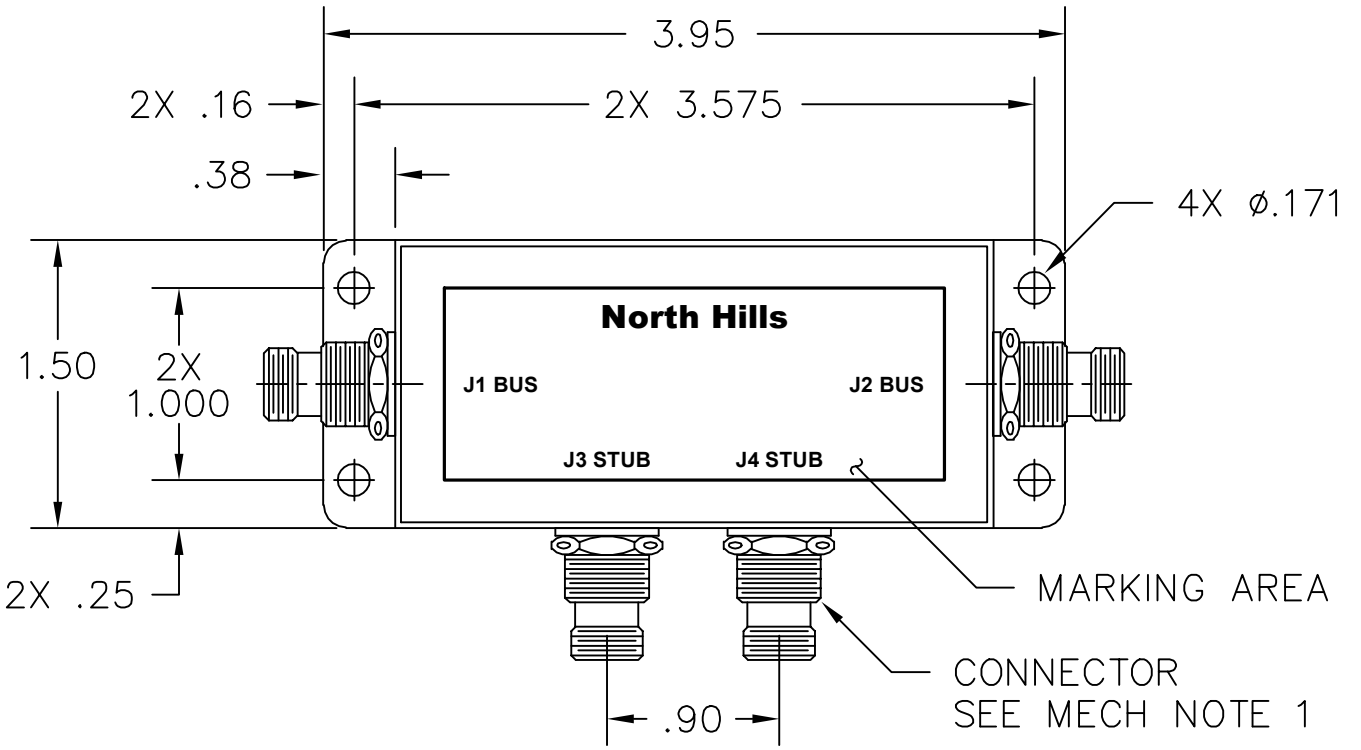
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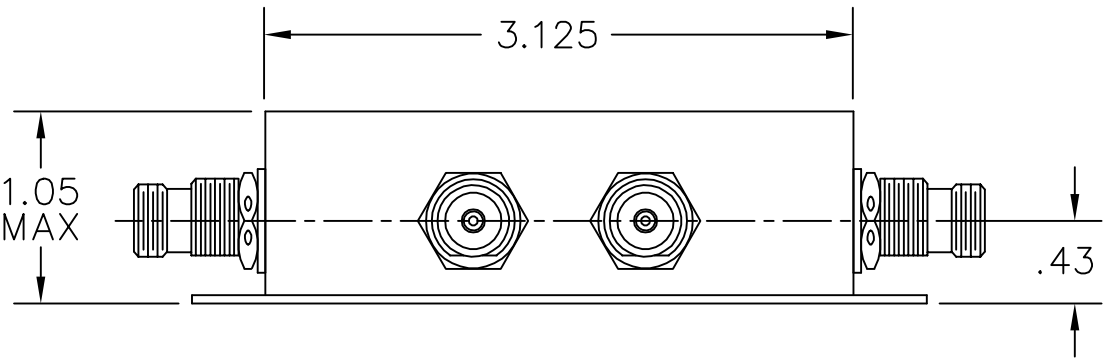
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REVISIONS

ECN	REV.	DESCRIPTION OF CHANGE	DATE	APP'D
–	A	DRAWING RELEASE	8/17/98	KK
N11020	B	CASE COLOR WAS BLUE	1/9/19	KT
17932	C	MATCHED DIMS. TO NGC SPEC	12/1/23	KT





SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
REV	C	C													

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ON
DECIMALS ANGLES
.xx ±.03
.xxx ±.010

THIRD ANGLE PROJECTION

CUSTOMER CONTROLLED DOCUMENT

NEXT ASSY.

APPROVALS
SIGNATURE AND DATE

DRAWN	K. Tsang	8/13/98
CHECKED	B.H.	8/17/98
ENGRG.	P.C.	8/17/98
Q.A.	P.Y.	8/17/98
I.E.	S.A.R.	8/17/98

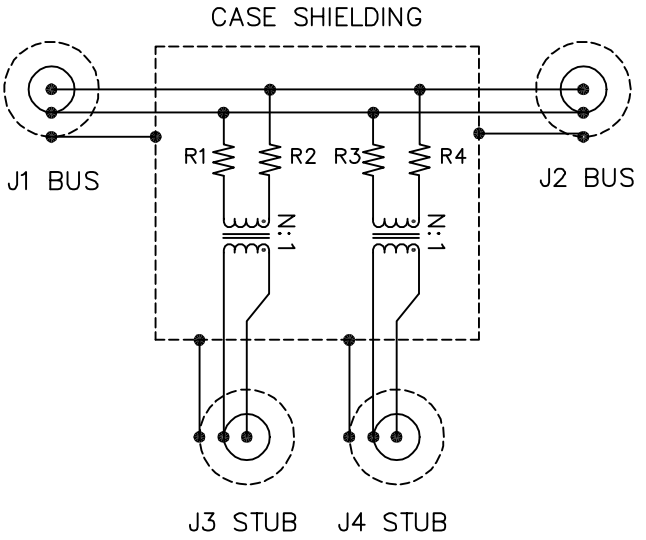
BETA TRANSFORMER TECHNOLOGY CORPORATION
105 Wilbur Place, Bohemia, NY 11716-2529 (631)-244-7393 FAX: (631) 244-8893
A Subsidiary of Data Device Corporation www.bttc-beta.com

DATA BUS COUPLER MIL–STD–1553B OUTLINE DRAWING

SIZE	CAGE No.	DWG. NO.	REV.
A	64948	NH14469	C

SCALE: NONE | CAD # 4469C003 | SHEET 1 OF 2

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO NORTH HILLS SIGNAL PROCESSING CORP. AND IS TO BE USED ONLY FOR THE PURPOSES INTENDED AND IS NOT TO BE REPRODUCED EITHER IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF A DULY AUTHORIZED OFFICER OF NORTH HILLS SIGNAL PROCESSING CORP.



SCHEMATIC

MECHANICAL NOTES:

1. CONNECTORS: J1–J4, TROMPETER BJ3150S OR EQUIVALENT.
2. MATERIAL: CASE – .031 THICK COLD ROLLED STEEL, HOT TINNED.
   BASE PLATE – .042 THICK COLD ROLLED STEEL, HOT TINNED.
3. FINISH: GRAY LUSTERLESS ENAMEL PER TT–E–527, COLOR PER AMS–STD–595 #36231. MOUNTING SURFACE NOT PAINTED.

ELECTRICAL NOTES:

1. R1 – R4 = 0.75Zo (2 WATT PER MIL–R–39007)
2. Zo = NOMINAL LINE IMPEDANCE OF BUS = 78 OHMS
3. N = 1.41

ELECTRICAL SPECIFICATIONS: (IAW MIL–STD–1553B, NOTICE 1)

INPUT IMPEDANCE OF BUS (STUB OPEN CIRCUITED)	1500 OHMS, MINIMUM (100 kHz TO 1.0 MHz)
DROOP	20% MAXIMUM (250 kHz)
OVERSHOOT AND RINGING	±1.0V PEAK (250 kHz SQUARE WAVE WITH 100 ns MAXIMUM RISE AND FALL TIME)
COMMON MODE REJECTION	GREATER THAN 45.0 dB AT 1.0 MHz
FAULT PROTECTION	59.0 OHMS ±1% RESISTOR IN SERIES WITH EACH BUS WINDING CONNECTION
STUB VOLTAGE	1.0V TO 14.0V P–P, LINE–TO–LINE, SIGNAL VOLTAGE (TRANSFORMER COUPLED)

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SIZE	CAGE No.	DWG. NO.	REV.
A	64948	NH14469	C
SCALE: NONE		CAD #	SHEET 2 OF 2

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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