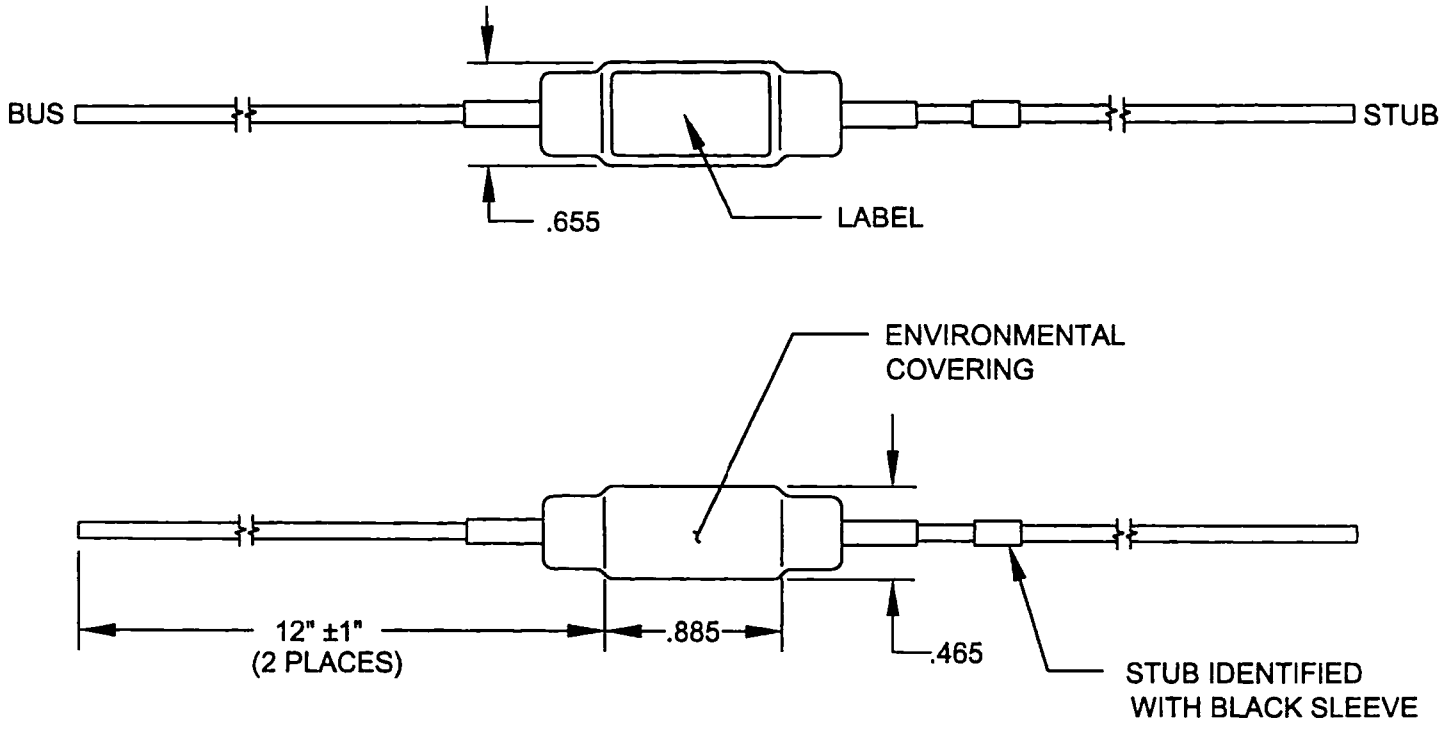


APPLICATIONS

REVISIONS

| | | | | | |
|-----------|----------|-----|------------------|----------|----------|
| NEXT ASSY | USED ON | LTR | DESCRIPTIONS | DATE | APPROVED |
| | MULTIPLE | — | BASELINE RELEASE | 08/02/94 | WS |



INTERFACE CONTROL DRAWING

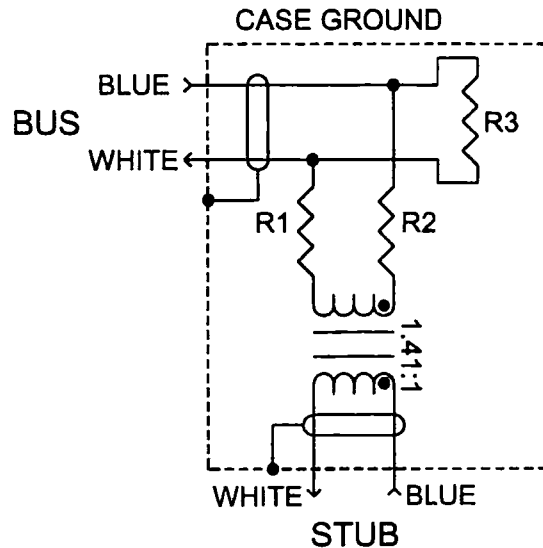
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| REV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LTR | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SHT NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |

| | | | | | | |
|---|----------------------------|-----------|---|----------------|--------------|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES 2PL ± .03 3PL ± .010 | CONTRACT NO. | | DATA BUS PRODUCTS CORP. MANHASSET, NEW YORK 11030 | | | |
| | PREPARED | SW 940801 | | | | |
| | CHECKED | WS 940802 | COUPLER, INLINE, INTERNALLY TERMINATED, SINGLE STUB MIL - STD - 1553B | | | |
| | ENGR. | WS 940802 | | | | |
| | ENGR. | | | | | |
| MATERIAL SEE PARAGRAPH 2.1 | APPROVED | WS 940802 | SIZE | CODE IDENT NO. | DRAWING NO. | |
| | APPROVED BY OTHER ACTIVITY | | A | 03JJ7 | DBP12005 | |
| | | | SCALE : NONE | REV. — | SHEET 1 OF 2 | |

REVISIONS

| LTR | DESCRIPTIONS | DATE | APPROVED |
|-----|------------------|--------------|----------|
| — | BASELINE RELEASE | 08 / 02 / 94 | WS |

- 1.0 ELECTRICAL SPECIFICATIONS: IAW MIL - STD - 1553B.
- 1.1 COMMON MODE REJECTION: -55.0dB MAX @ 1.0MHz.
- 1.2 DROOP: 20% MAX (250kHz).
- 1.3 OVERSHOOT & RINGING: $\pm 1.0V$ PEAK (250kHz) SQUARE WAVE WITH 100nS MAX RISE & FALL TIME).
- 1.4 STUB VOLTAGE: 1.0V TO 14.0V P - P; LINE TO LINE; SIGNAL VOLTAGE, TRANSFORMER COUPLING.
- 1.5 INPUT IMPEDANCE OF BUS: 3000 OHMS MIN. (75kHz - 1.0MHz), STUB WITH OPEN CIRCUIT.
- 1.6 FAULT PROTECTION: 58.5 OHMS $\pm 2\%$ RESISTOR IN SERIES WITH TRANSFORMER WINDING ON BUS SIDE.
- 1.7 RESISTOR VALUE: 1 WATT IAW MIL - R - 39007, R1 - R2 (75 % Z_o).
NOMINAL LINE IMPEDANCE OF BUS (Z_o): 78 OHMS. R3 = 78 OHMS.
- 2.0 MECHANICAL SPECIFICATIONS:
- 2.1 MATERIAL: ENCLOSURE: COLD ROLLED STEEL, .031 THK. MAX..
- 2.2 FINISH: ENVIRONMENTAL PROTECTIVE COVERING: FLAME RETARDED, RADIATION CROSSLINKED POLYOLEFIN.
- 2.3 CABLE: PER MIL - C - 17/176 - 00002
- 3.0 ENVIRONMENTAL:
- 3.1 OPERATING TEMPERATURE RANGE: -55°C TO 125°C.



**SCHEMATIC
DIAGRAM**

| | | |
|------------------|--------------------------------|--------------------------------|
| SIZE A | CODE IDENT NO. 03JJ7 | DRAWING NO. DBP12005 |
| SCALE : NONE | | REV. — |
| SHEET 2 OF 2 | | |