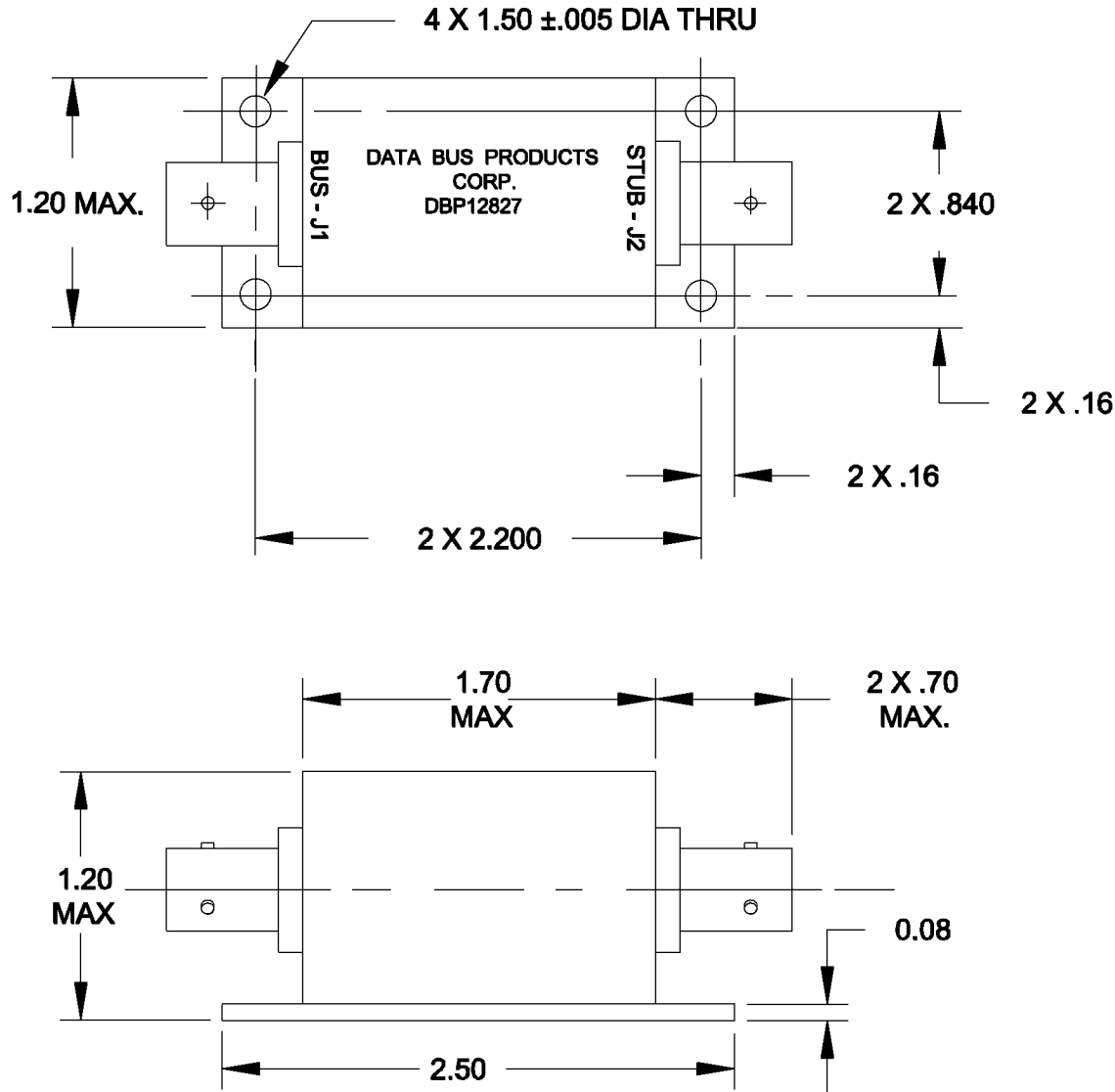


APPLICATIONS

REVISIONS

NEXT ASSY	USED ON	LTR	DESCRIPTIONS	DATE	APPROVED
	MULTIPLE	—	BASELINE RELEASE	05 / 25 / 94	



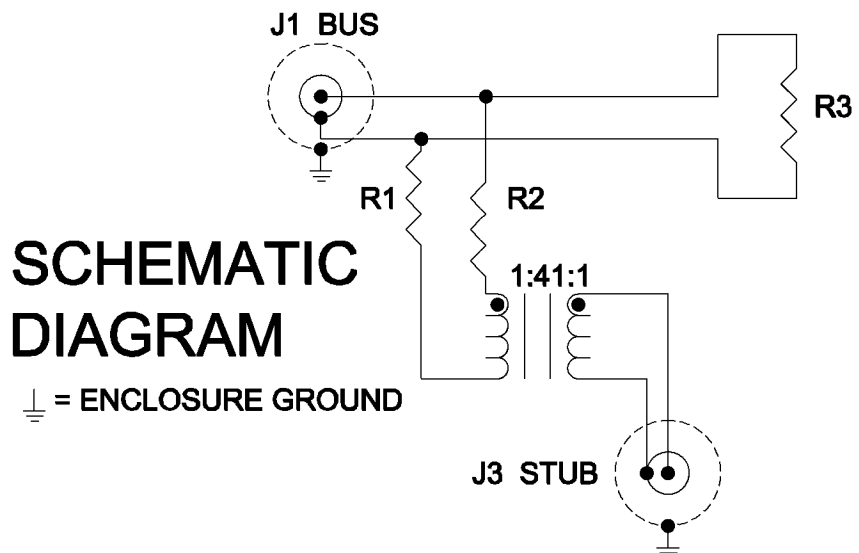
INTERFACE CONTROL DRAWING

REV	LTR	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 COUPLER, DATA BUS, SINGLE STUB MIL - STD - 1553 INTERNALLY TERMINATED																	
MATERIAL SEE PARAGRAPH 2.1		PREPARED W.S.																													
		CHECKED 940525												SIZE A				CODE IDENT NO. 03JJ7				DRAWING NO. DBP12827									
		ENGR.												SCALE : NONE				REV. —				SHEET 1 OF 2									
		ENGR.																													
		APPROVED																													
		APPROVED BY OTHER ACTIVITY																													

REVISIONS

LTR	DESCRIPTIONS	DATE	APPROVED
—	BASELINE RELEASE	05 / 25 / 94	

- 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: ± 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: 56.2 OHMS ± 2% RESISTOR IN SERIES WITH TRANSFORMER WINDING ON BUS SIDE.
- 1.7 RESISTOR VALUE: 2 WATT IAW MIL - R - 39017, R1 - R2 (75% Zo).
 NOMINAL LINE IMPEDANCE OF BUS (Zo): 78 OHMS.
 R3 = 76.8 OHMS 2 WATT IAW - R - 39007.
- 2.0 MECHANICAL SPECIFICATIONS:
- 2.1 MATERIAL: ENCLOSURE: ALUMINUM.
- 2.1.1 MOUNTING PLATE: ALUMINUM.
- 2.2 FINISH: ENCLOSURE: BLACK ENAMEL PER TT - E - 529, COLOR IAW FED - STD - 595, #27028.
 MOUNTING PLATE: CLEAR ALODINE
- 2.3 CONNECTORS: BJ77 (TROMPETER OR EQUIV.) J1 AND J2.
 MATING CONNECTOR FOR REFERENCE: PL75 (TROMPETER OR EQUIV.).
- 3.0 ENVIRONMENTAL:
- 3.1 OPERATING TEMPERATURE RANGE: -55°C TO 125°C.
- 4.0 REFERENCE DRAWING: US AIR FORCE 7822056-007.



SCHEMATIC DIAGRAM

SIZE	CODE IDENT NO.	DRAWING NO.
A	03JJ7	DBP12827
SCALE : NONE	REV. —	SHEET 2 OF 2