

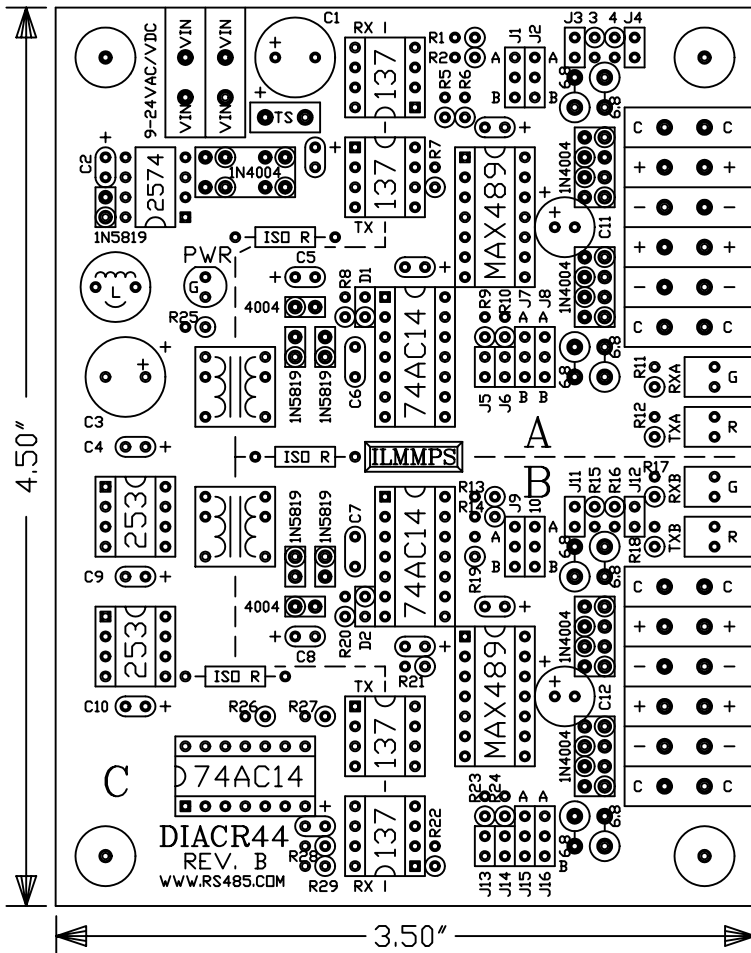
JUMPER SUMMARY * = FACTORY SETTING (FOR CHANNEL A)

- 1) J1A INSTALLED = CHANNEL A RX FUNCTION ENABLED *
 J1B INSTALLED = CHANNEL A RX OFF WHEN TX ENABLED
 NO JUMPER = CHANNEL A RS FUNCTION DISABLED
- 2) J2A INSTALLED = CHANNEL A TX FUNCTION DISABLED
 J2B INSTALLED = CHANNEL A AUTO TX ENABLE *
 NO JUMPER = TX FUNCTION ENABLED *
- 3) J3/J4 INSTALLED = 620 OHM PULLUP AND PULL DOWN BIAS *
 J3/J4 REMOVED = NO BIAS
- 4) J5 INSTALLED = 120 OHM TERMINATION FOR RX/TX TERMINALS *
- 5) J6 INSTALLED = 120 OHM TERMINATION FOR TX TERMINALS *

- 6) J7A/J8A INSTALLED = 2-WIRE MODE (RS485) *
- J7B/J8B INSTALLED = 4-WIRE MODE (RS422)

CHANNEL B EQUIVALENT JUMPERS:

- J9 SAME FUNCTION AS J1 (B SET FOR RS485)
- J10 SAME FUNCTION AS J2
- J11/J12 SAME FUNCTION AS J3/J4
- J13 SAME FUNCTION AS J5
- J14 SAME FUNCTION AS J6
- J15/16 SAME FUNCTION AS J7/J8



(SET FOR RS422)
ISOLATED CHANNEL A

- COMMON
- (+)RX/TX (2-WIRE)
- (-)RX/TX (2-WIRE)
- (+)TX (4-WIRE)
- (-)TX (4-WIRE)
- COMMON
- RX DATA
- TX DATA
- RX DATA
- TX DATA
- COMMON
- (+)RX/TX (2-WIRE)
- (-)RX/TX (2-WIRE)
- (+)TX (4-WIRE)
- (-)TX (4-WIRE)
- COMMON

ISOLATED CHANNEL B
(SET FOR RS485)

SPECIFICATIONS

- 1) SIZE: 4.50" X 3.50" X 0.9" (PC BOARD)
 WITH CONNECTORS: 5.0" X 4.0"
- 2) MOUNTING HOLES: 4-PLACES
 4.00" X 3.00" (#6 HARDWARE)
- 3) ISOLATION VOLTAGE: 1500VDC
 FOR 1 SECOND
- 4) TEMPERATURE RANGE: 0C TO 65C
- 5) HUMIDITY: 10-90% RH NON-CONDENSING
- 6) BAUD: 300-115.2K (LIMITED SLEW DRIVERS)
- 7) OPERATING VOLTAGE: 9-35VDC (12-24VAC)
- 8) TYPICAL POWER: UNDER 1.0W
- 9) OPERATING MODES
 - A) RS422 TO RS422 REPEATER
 - B) RS485 TO RS485 REPEATER
 - C) RS485 TO RS422 CONVERTER
 (RS422 TO RS485 ALSO)
- 10) AUTO TX ENABLE OR CONSTANT
 TX ENABLE IN RS422 (4-WIRE) MODE

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| | | DATE 6-7-99 | FOR DUAL-ISO CONV/REP | |
| | | SCALE NONE | RES R. E. SMITH 431 TILERSVILLE RD. HAMILTON, OHIO 45011 | |
| SHEET 1 OF 1 | DICAR44WD | CHKD. BY RES | DWG. NO. DICAR44WD | REV. B |