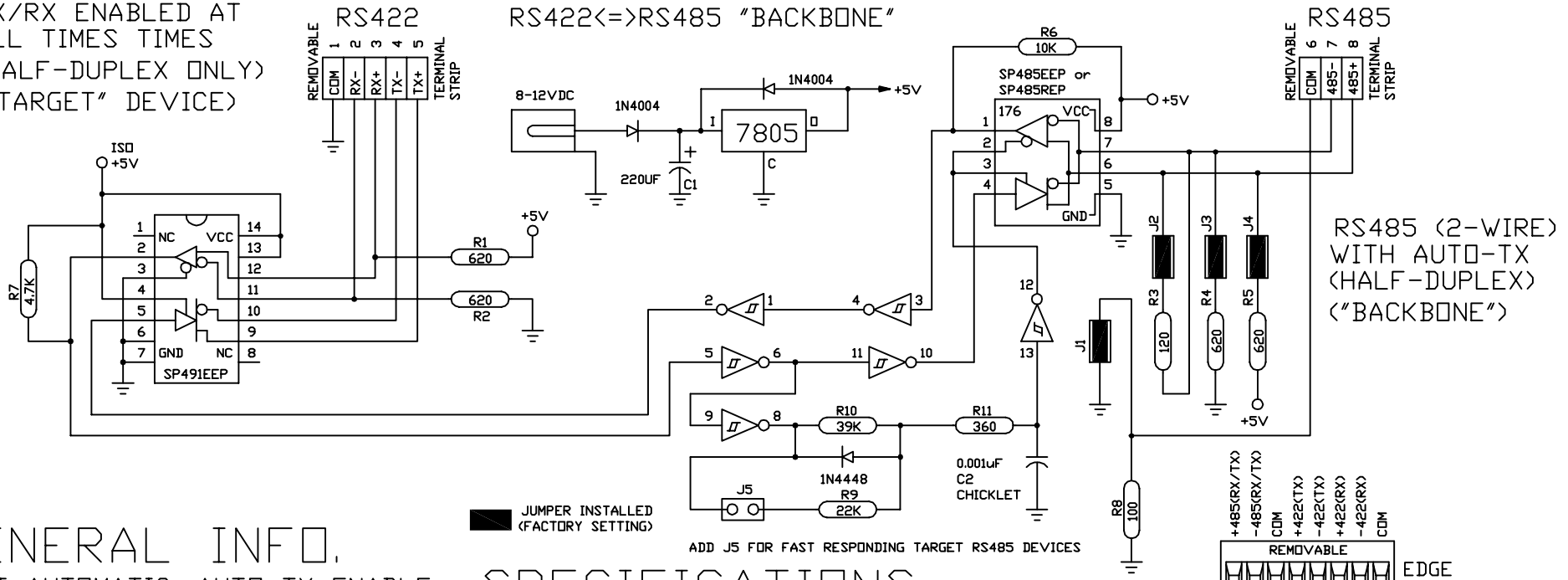
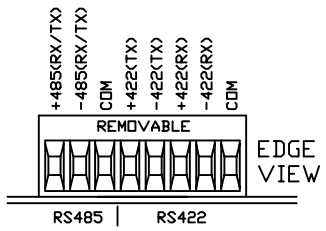
MODEL RSFC44T REV. B

RS422 (4-WIRE)
TX/RX ENABLED AT
ALL TIMES TIMES
(HALF-DUPLEX ONLY)
("TARGET" DEVICE)



RS485 (2-WIRE)
WITH AUTO-TX
(HALF-DUPLEX)
("BACKBONE")



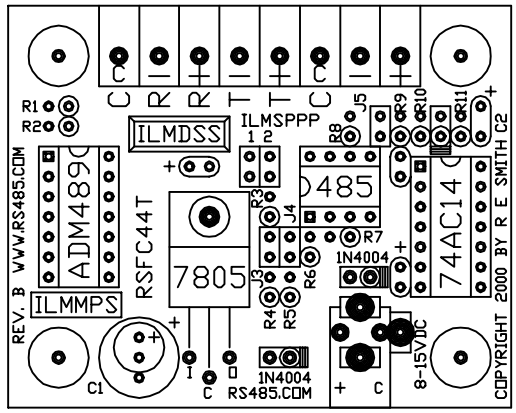
GENERAL INFO.

FAST AUTOMATIC, AUTO TX-ENABLE
RS485 TO RS422 CONVERTER FOR
2-WIRE TO 4-WIRE APPLICATIONS
AT DATA RATES UP TO 115.2Kbps
ONBOARD BIAS AND TERMINATION
SIPEX SP485EEP or SP485EEP
IC WITH HIGH ESD TOLERANCE,
FOR RS485 (2-WIRE) "BACKBONE"

SPECIFICATIONS

1) SIZE: 2.50" X 2.00" X 0.9" (PC BOARD)
   WITH CONNECTORS: 2.50" X 2.25"
2) MOUNTING HOLES: 4-PLACES
   2.00" X 1.50" (#6 HARDWARE)
3) SP485EEP or SP485REP IC
   WITH BUILT-IN ESD PROTECTION
4) TEMPERATURE RANGE: -40C TO +85C
5) HUMIDITY: 10-90% RH NON-CONDENSING
6) SPEED: UP TO 115.2Kbps @ 4000ft.
7) OPERATING VOLTAGE: 8-12VDC
8) TYPICAL POWER: UNDER 0.5W
9) HALF-DUPLEX 2-WIRE RS485 TO
   HALF-DUPLEX 4-WIRE RS422.

S1 = 2.50" X 2.00" (ACTUAL SIZE)



LINK: rs485.com/prsfc44t.html

RESmith
WWW.RS485.COM
10330 CHESTER ROAD, CINCINNATI, OHIO 45215
513-874-4796
www.rs485.com

OPTIONAL ENCLOSURE,
AND POWER SUPPLY
ARE AVALIABLE.

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DRAWN BY	RES
DATE	2-26-08 REV 9-20-13
SCALE	NONE
CHKD. BY	RES
SHEET 1 OF 1	RSFC44T

SUBJECT: RS485/RS422
FOR: AUTOMATIC CONV.

RES R. E. SMITH 10330 CHESTER ROAD CINCINNATI, OH 45215

DWG. NO. RSFC44T
REV. B