MODEL DIFAR44, REV. E
DUAL 3.0KV ISOLATED, DUAL TRANSIENT PROTECTED, RS485 REPEATER

JUMPER DESIGNATIONS & (FACTORY SETTINGS):

ISOLATED "A" SIDE JUMPERS

J1=1.2K SPLIT BIAS TO +5V (INSTALLED)
J2=1.2K SPLIT BIAS TO +5V (INSTALLED)
J3=1.2K SPLIT BIAS TO COM (INSTALLED)
J4=1.2K SPLIT BIAS TO COM (INSTALLED)
J5=120 OHM TERMINATION (INSTALLED)
(NOTE: INSTALL J5 FOR MOST APPLICATIONS)
J6=ZERO OHMS TO COMMON RJ11-PIN-1 (INSTALLED)
J7=JSPD=A, JEDG=A FOR OPERATION TO 115.2KBPS+
J7=JSPD=B, JEDG=B FOR OPERATION TO 3.0Mbps

ISOLATED "B" SIDE JUMPERS

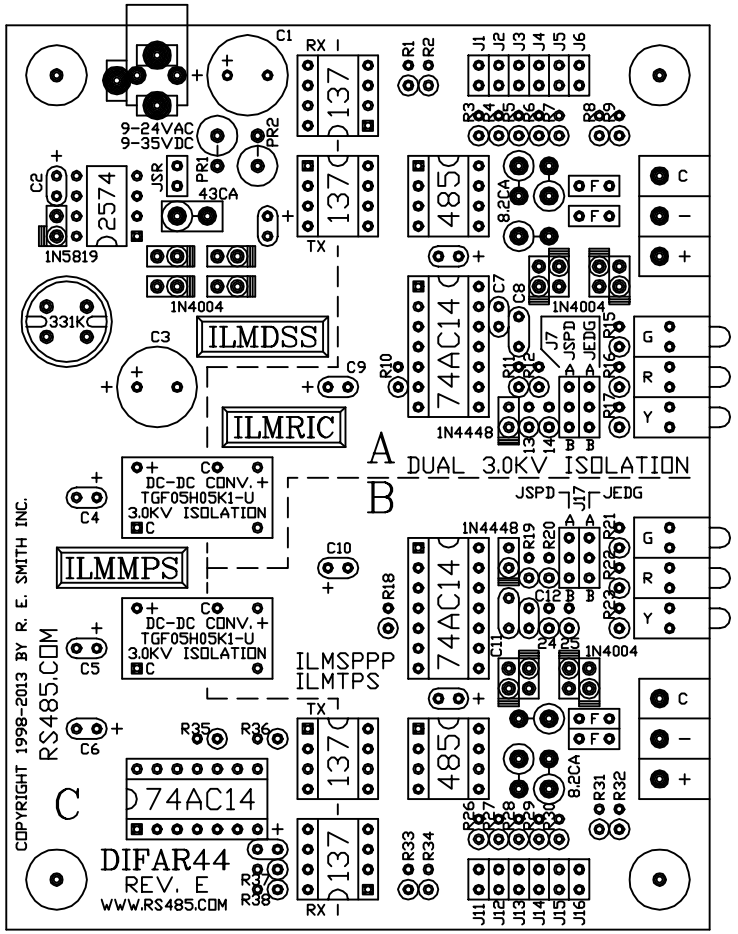
J11=1.2K SPLIT BIAS TO +5V (INSTALLED)
J12=1.2K SPLIT BIAS TO +5V (INSTALLED)
J13=1.2K SPLIT BIAS TO COM (INSTALLED)
J14=1.2K SPLIT BIAS TO COM (INSTALLED)
J15=120 OHM TERMINATION (INSTALLED)
(NOTE: INSTALL J15 FOR MOST APPLICATIONS)
J16=ZERO OHMS TO COMMON RJ11-PIN-1 (INSTALLED)
J17=JSPD=A, JEDG=A FOR OPERATION TO 115.2KBPS+
J17=JSPD=B, JEDG=B FOR OPERATION TO 3.0Mbps

PS TRANSIENT PROTECTION JUMPER

JSR=SHUNT 50 OHM 4 WATT SERIES RESISTOR
INSTALL JUMPER FOR LESS THAN 18V OPERATION
REMOVE TO PROVIDE ENHANCED POWER DISSIPATION
FOR TRANSIENTS ABOVE 35VDC MAX INPUT VOLTAGE
INSTALL JSR FOR 12-24VAC OPERATION

CALL 513-874-4796 IF ADDITIONAL INFORMATION IS REQUIRED.

9-35VDC INPUT VOLTAGE RANGE (EITHER POLARITY)
SEE JSR JUMPER FOR ADDITIONAL INFORMATION
INSTALL JSR FOR 12-24VAC OPERATION



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

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DRAWN BY RES	SUBJECT MODEL DIFAR44		
DATE 12-14-12	FOR PHYSICAL DRAWING		
SCALE NONE	RES R. E. SMITH 4311 R. E. SMITH DRIVE WEST CHESTER, OHIO 45069	DWG. NO. DIFAR44SS	REV. E
CHKD. BY RES			
SHEET 1 OF 1	DIFAR44SS		