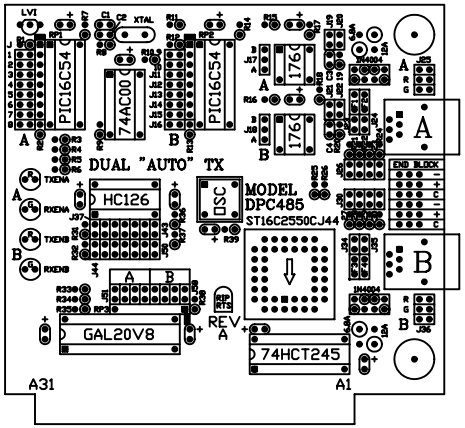
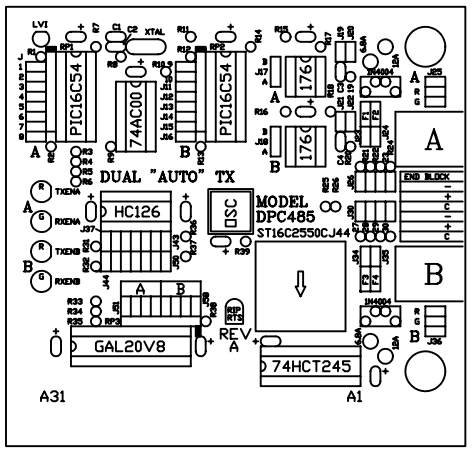
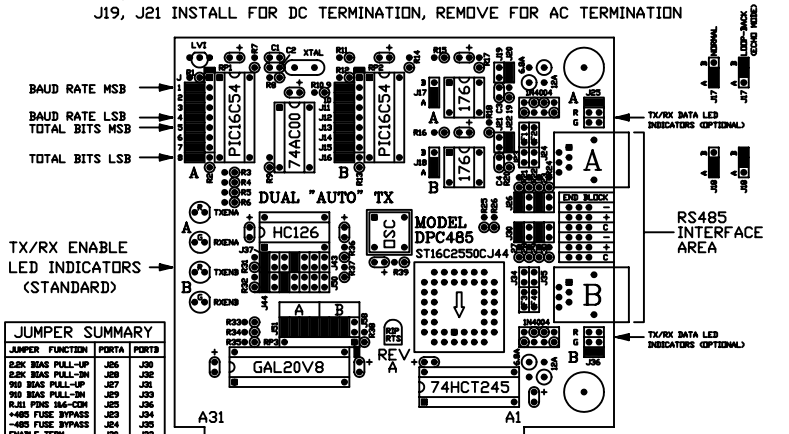




MODEL DPC485 HIGH SPEED DUAL SERIAL CARD WITH FIFO

DPC485 ISA BUS DUAL RS485 AUTO TX ENABLE SERIAL CARD (ACTUAL SIZE)
AUTOMATIC DATA DIRECTION CONTROL FOR HALF-DUPLEX SYSTEMS, NO DELAYS!!!

J25, J36 INSTALL FOR RJ11 PINS 1&6 TO DIGITAL COMMON
J20, J22 INSTALL TO ENABLE TERMINATION
J19, J21 INSTALL FOR DC TERMINATION, REMOVE FOR AC TERMINATION



JUMPER SUMMARY

JUMPER	FUNCTION	PORTA	PORTB
	2.2K BIAS PULL-UP	J26	J30
	2.2K BIAS PULL-DN	J28	J32
	990 BIAS PULL-UP	J27	J31
	990 BIAS PULL-DN	J29	J33
	RJ11 PINS 1&6-COM	J25	J36
	+485 FUSE BYPASS	J23	J34
	-485 FUSE BYPASS	J24	J35
	ENABLE TERM	J20	J22
	DC TERMINATION	J19	J21
	NORMAL OPERATION	J17A	J18A
	LOOP-BACK (TEST)	J17B	J18B

COMX PORT SELECTION FOR
UART-A & UART-B WITH
IRQX INTERRUPT CONTROL

300-115.2K BAUD STANDARD (SPECIAL UNITS TO 460.8K)

BAUD RATE JUMPERS FOR UART-A/UART-B

UART-A	UART-B	J1	J2	J3	J4
		J9	J10	J11	J12
300		REMOVE	REMOVE	REMOVE	REMOVE
600		REMOVE	REMOVE	REMOVE	INSTALL
1200		REMOVE	REMOVE	INSTALL	REMOVE
2400		REMOVE	REMOVE	INSTALL	INSTALL
4800		REMOVE	INSTALL	REMOVE	REMOVE
9600		REMOVE	INSTALL	REMOVE	INSTALL
19200		REMOVE	INSTALL	INSTALL	REMOVE
38400		REMOVE	INSTALL	INSTALL	INSTALL
57600		INSTALL	REMOVE	REMOVE	REMOVE
76800		INSTALL	REMOVE	REMOVE	INSTALL
115200		INSTALL	REMOVE	INSTALL	REMOVE
RESVD		INSTALL	REMOVE	INSTALL	INSTALL
RESVD		INSTALL	INSTALL	REMOVE	REMOVE
RESVD		INSTALL	INSTALL	REMOVE	INSTALL
RESVD		INSTALL	INSTALL	INSTALL	REMOVE
9600*		INSTALL	INSTALL	INSTALL	INSTALL

* FACTORY SETTING FOR 9600, N, 8, 1 WITH ALL BIT JUMPERS IGNORED. REMOVE JUMPERS AS REQUIRED FOR ALL OTHER BAUD RATES.

TOTAL BITS START, PARITY, DATA, STOP

UART-A	UART-B	J5	J6	J7	J8	EXAMPLES
		J13	J14	J15	J16	
5		REMOVE	REMOVE	REMOVE	REMOVE	
5-1/2		REMOVE	REMOVE	REMOVE	INSTALL	
7		REMOVE	REMOVE	INSTALL	REMOVE	
7-1/2		REMOVE	REMOVE	INSTALL	INSTALL	
8		REMOVE	INSTALL	REMOVE	REMOVE	
8-1/2		REMOVE	INSTALL	REMOVE	INSTALL	
9		REMOVE	INSTALL	INSTALL	REMOVE	N,7,1
9-1/2		REMOVE	INSTALL	INSTALL	INSTALL	N,8,1/2 (UP)
10		INSTALL	REMOVE	REMOVE	REMOVE	N,8,1 E,7,1
10-1/2		INSTALL	REMOVE	REMOVE	INSTALL	N,8,1-1/2
11		INSTALL	REMOVE	INSTALL	REMOVE	N,8,2 E,8,1 E,7,2
11-1/2		INSTALL	REMOVE	INSTALL	INSTALL	
12		INSTALL	INSTALL	REMOVE	REMOVE	
12-1/2		INSTALL	INSTALL	REMOVE	INSTALL	
13		INSTALL	INSTALL	INSTALL	REMOVE	
13-1/2		INSTALL	INSTALL	INSTALL	INSTALL	

* NOTES: N = NO PARITY AND DOES NOT COUNT AS A BIT.
E = EVEN, O = ODD PARITY AND COUNTS AS A BIT
ADD TOTAL OF START, PARITY, DATA AND STOP BITS

UART-A / UART-B

	UART-A	UART-B
COM1 3F8H	J57 J58 J54	J44 J45 J46 J47 J48 J49 J50 J51
COM2 2F8H	J57 J58 J54	J44 J45 J46 J47 J48 J49 J50 J51
COM3 3E8H	J57 J58 J54	J44 J45 J46 J47 J48 J49 J50 J51
COM4 2E8H	J57 J58 J54	J44 J45 J46 J47 J48 J49 J50 J51
COM5 5F8H	J57 J58 J54	J44 J45 J46 J47 J48 J49 J50 J51
COM6 4E8H	J57 J58 J54	J44 J45 J46 J47 J48 J49 J50 J51
COM7 4E8H	J57 J58 J54	J44 J45 J46 J47 J48 J49 J50 J51
COM8 260H	J57 J58 J54	J44 J45 J46 J47 J48 J49 J50 J51
NONE OFF	J57 J58 J54	J44 J45 J46 J47 J48 J49 J50 J51

NOTE: REMOVE POWER TO CHANGE BAUD/BIT JUMPERS

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DPC485A = AUTO CONV.
DPC485B = BUS INT.
DPC485S = SILK SCRN.

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DRAWN BY	RES
DATE	3-17-96
SCALE	NONE
CHKD. BY	RES
SHEET 1 OF 1	DPC486S

SUBJECT: DUAL ASYNC. UART
FOR: PC/ISA INTERFACE

RES R. E. SMITH, 4311 TYLERSVILLE RD. HAMILTON, OHIO 45011
DWG. NO. DPC485S
REV. A