

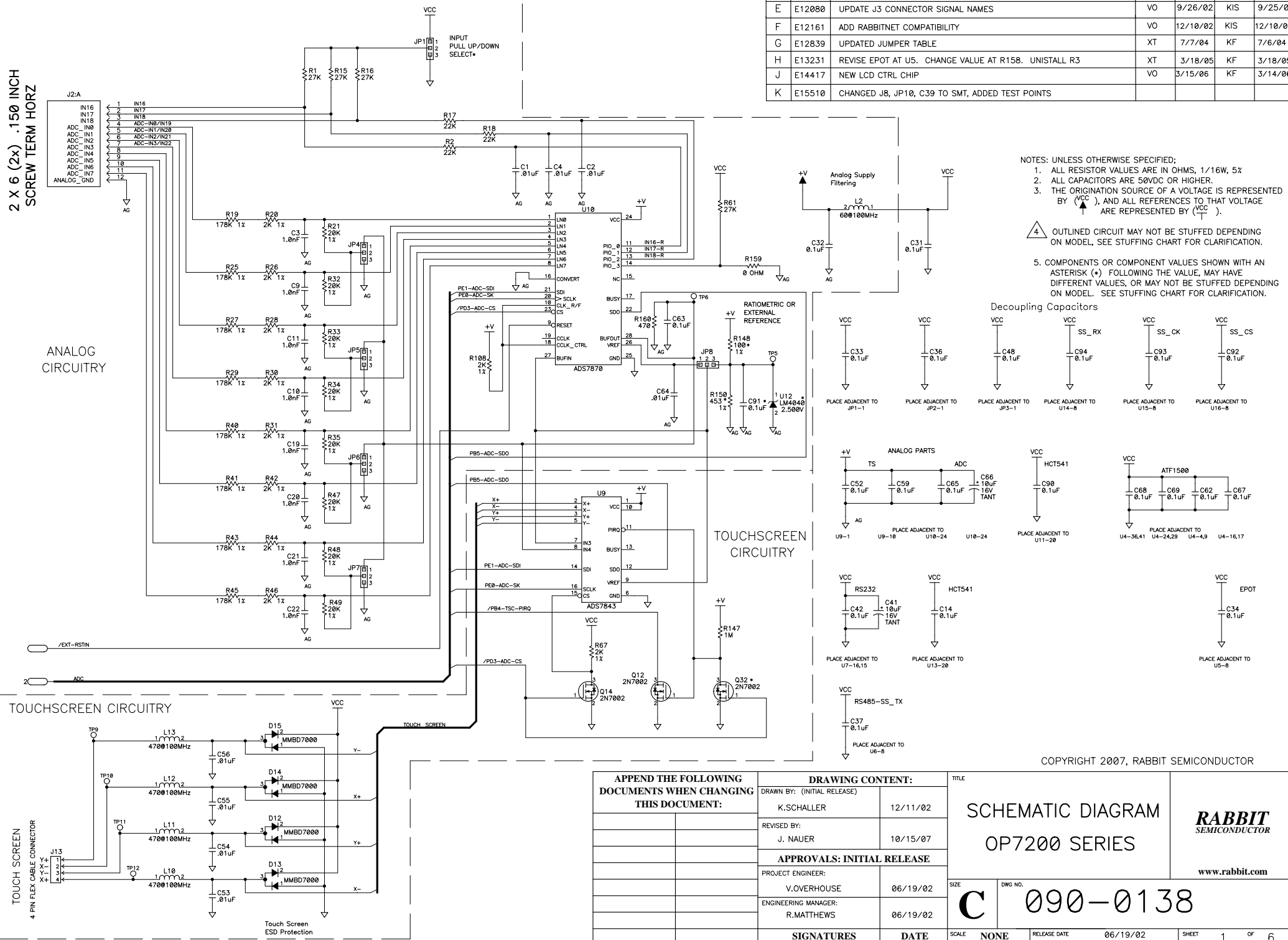
2 X 6 (2x) .150 INCH
SCREW TERM HORZ

ANALOG
CIRCUITRY

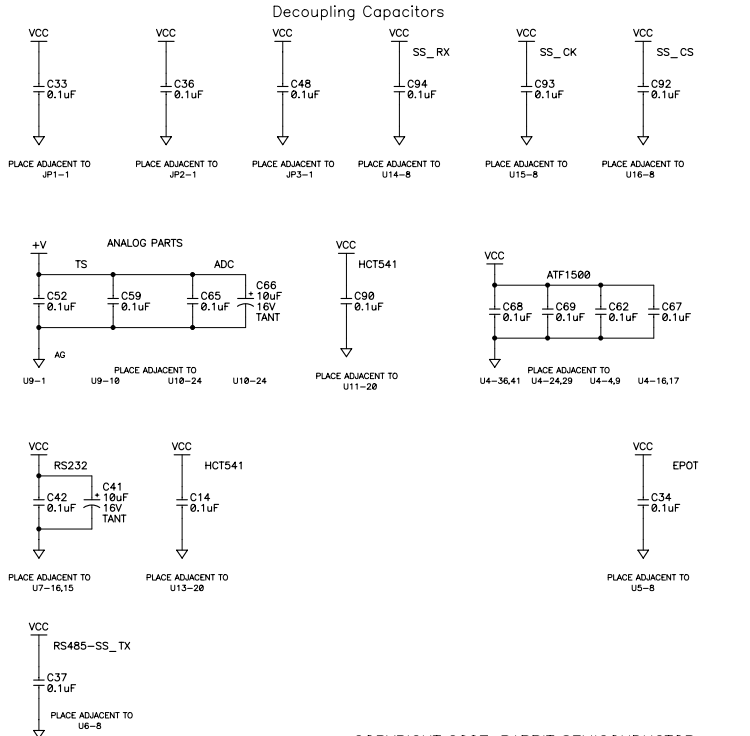
TOUCHSCREEN
CIRCUITRY

TOUCH SCREEN
4-PIN FLEX CABLE CONNECTOR

REVISION HISTORY			REVISION APPROVAL			
REV	ECO	DESCRIPTION OF CHANGE	PROJECT ENGINEER	APPROVAL DATE	DOCUMENT CONTROL	APPROVAL DATE
E	E12080	UPDATE J3 CONNECTOR SIGNAL NAMES	VO	9/26/02	KIS	9/25/02
F	E12161	ADD RABBITNET COMPATIBILITY	VO	12/10/02	KIS	12/10/02
G	E12839	UPDATED JUMPER TABLE	XT	7/7/04	KF	7/6/04
H	E13231	REVISE EPOT AT U5. CHANGE VALUE AT R158. UNINSTALL R3	XT	3/18/05	KF	3/18/05
J	E14417	NEW LCD CTRL CHIP	VO	3/15/06	KF	3/14/06
K	E15510	CHANGED J8, JP10, C39 TO SMT, ADDED TEST POINTS				



- NOTES: UNLESS OTHERWISE SPECIFIED;
- ALL RESISTOR VALUES ARE IN OHMS, 1/16W, 5%.
 - ALL CAPACITORS ARE 50VDC OR HIGHER.
 - THE ORIGINATION SOURCE OF A VOLTAGE IS REPRESENTED BY (VCC), AND ALL REFERENCES TO THAT VOLTAGE ARE REPRESENTED BY (VCC).
- 4 OUTLINED CIRCUIT MAY NOT BE STUFFED DEPENDING ON MODEL, SEE STUFFING CHART FOR CLARIFICATION.
5. COMPONENTS OR COMPONENT VALUES SHOWN WITH AN ASTERISK (*) FOLLOWING THE VALUE, MAY HAVE DIFFERENT VALUES, OR MAY NOT BE STUFFED DEPENDING ON MODEL. SEE STUFFING CHART FOR CLARIFICATION.

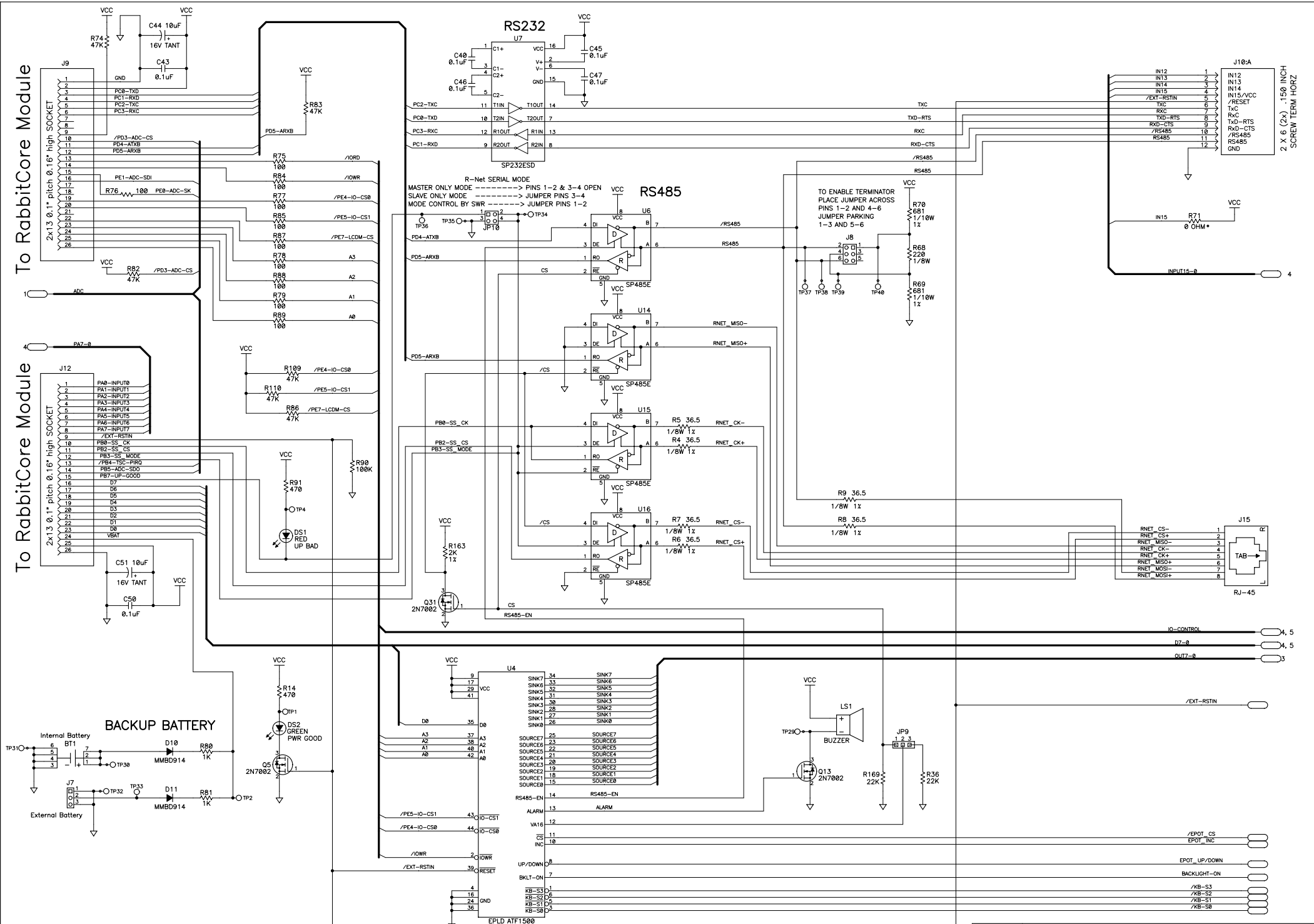


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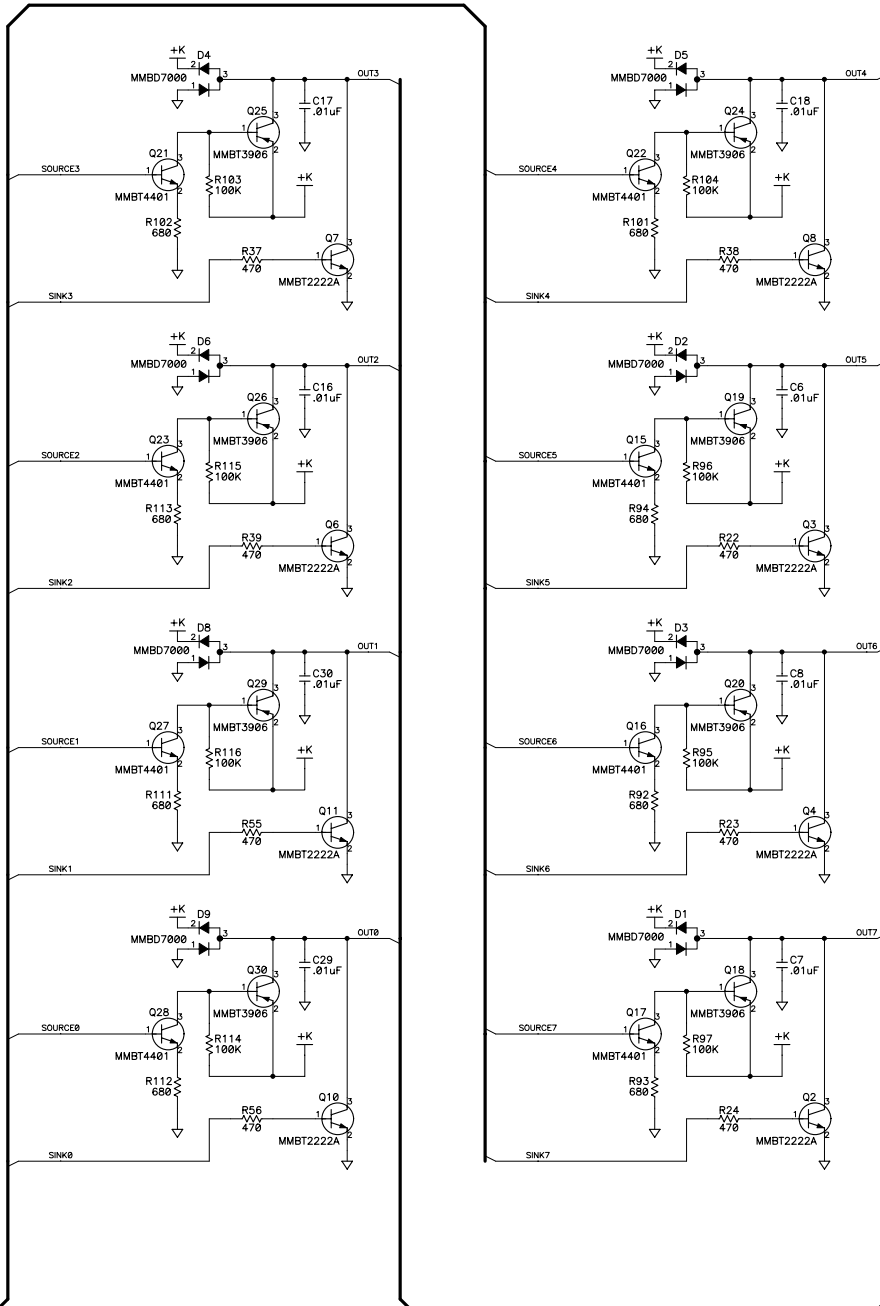
APPEND THE FOLLOWING DOCUMENTS WHEN CHANGING THIS DOCUMENT:		DRAWING CONTENT:		TITLE	
		DRAWN BY: (INITIAL RELEASE)	12/11/02	SCHEMATIC DIAGRAM OP7200 SERIES	
		REVISED BY:	10/15/07		
		APPROVALS: INITIAL RELEASE		www.rabbit.com	
		PROJECT ENGINEER:	06/19/02		
		ENGINEERING MANAGER:	06/19/02	SIZE	DWG NO.
		SIGNATURES		C	090-0138
		DATE	06/19/02	SCALE	NONE
		RELEASE DATE	06/19/02	SHEET	1 OF 6

To RabbitCore Module

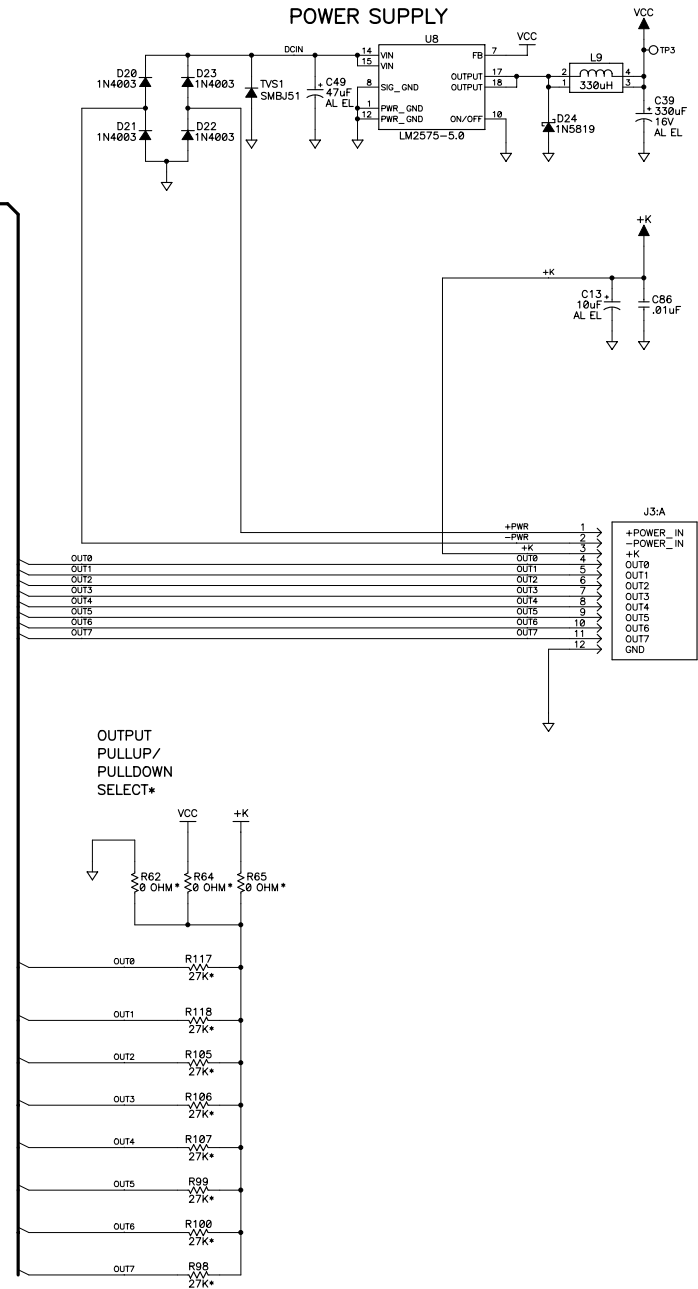
To RabbitCore Module



DIGITAL OUTPUTS

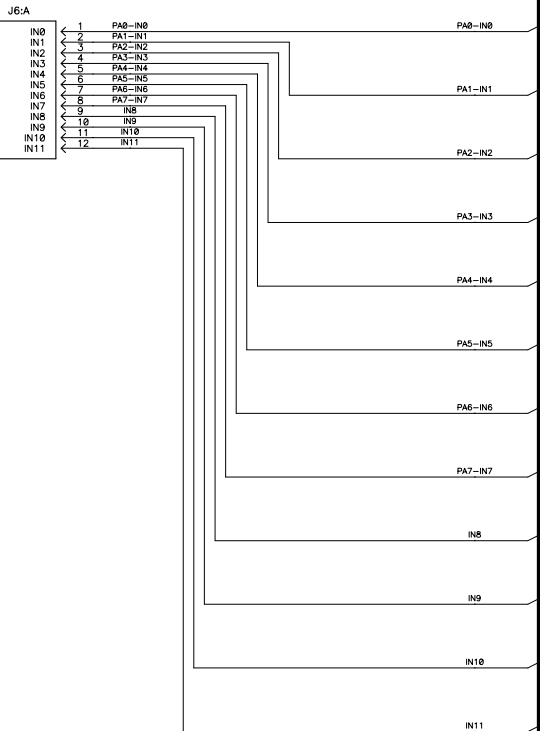


POWER SUPPLY

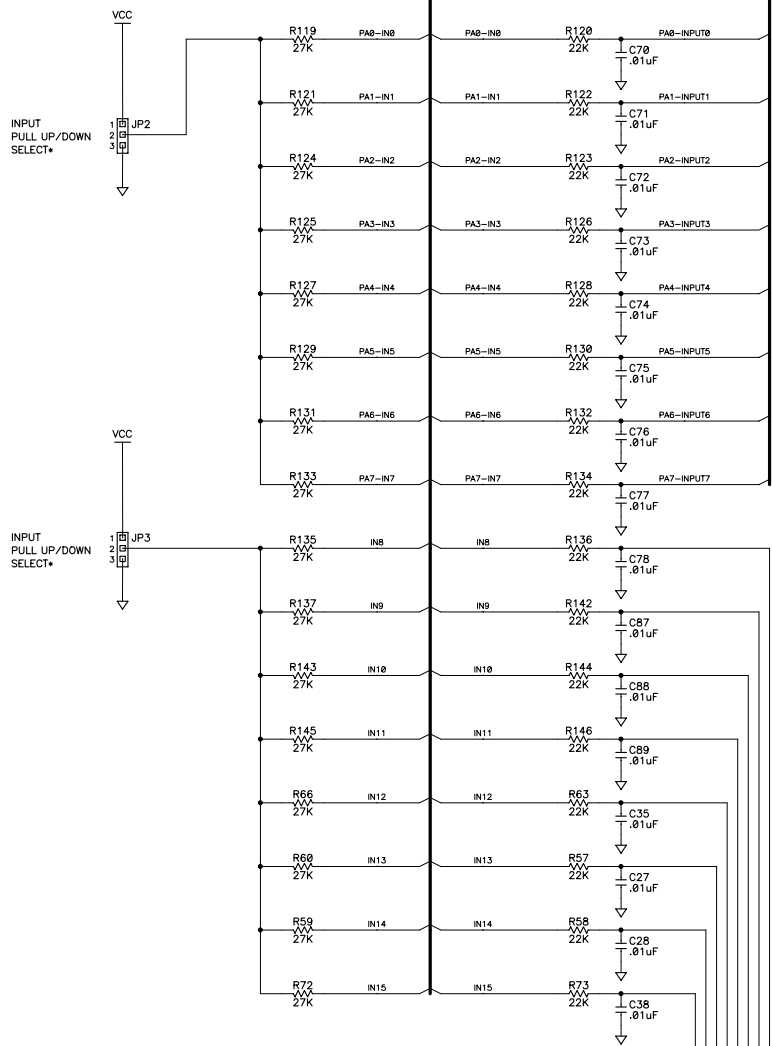


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SCREW TERM HORZ

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SCREW TERM HORZ



DIGITAL INPUTS



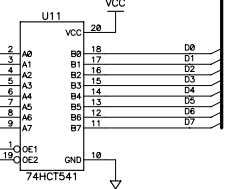
2

INPUT15-0

2, 5

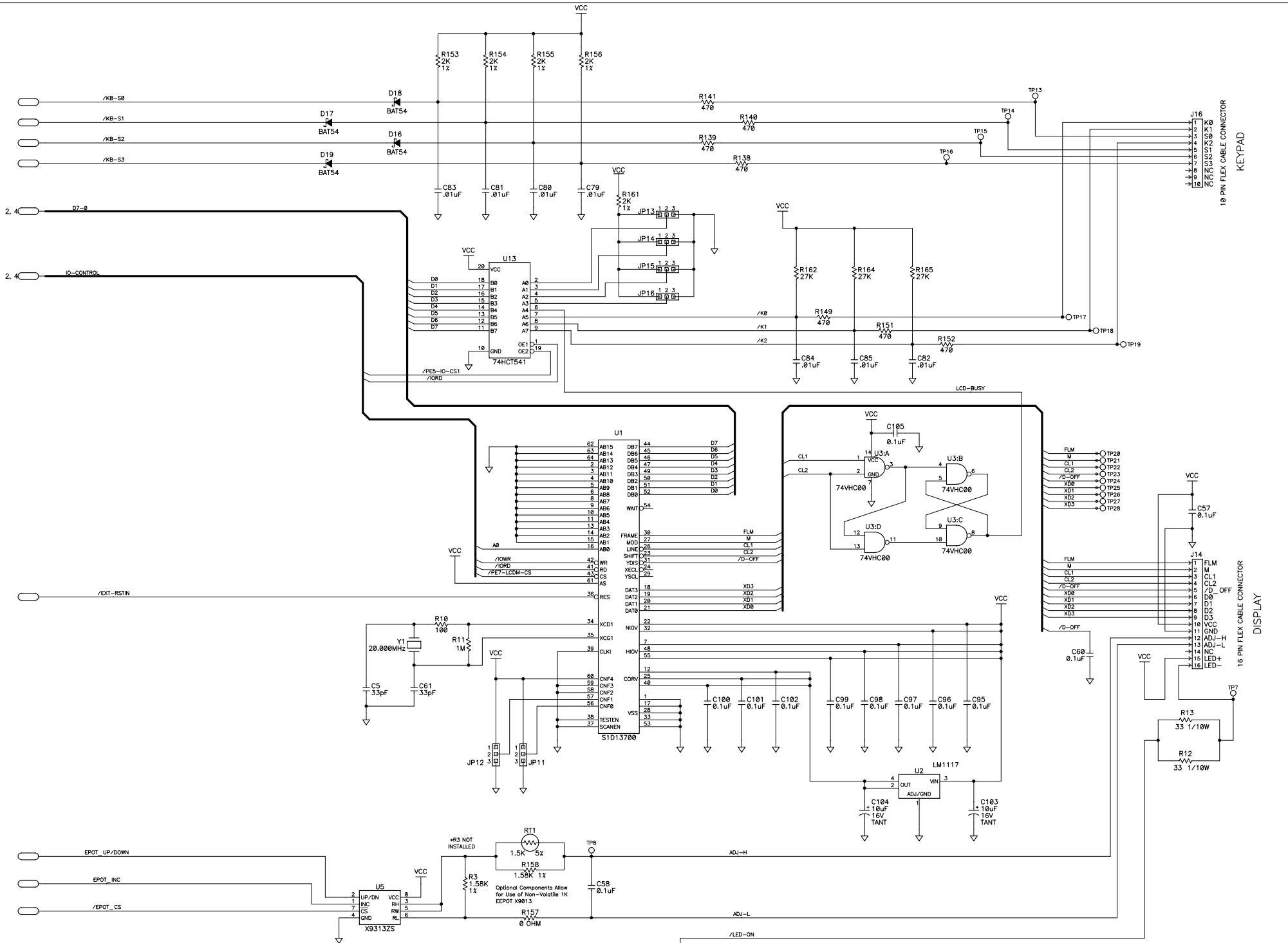
IC-CONTROL

/PE4-IC-CSB
/IDR



D7-0

2, 5



STUFFING TABLE

	CIRCUIT	PART	OPTION INSTALLED	OPTION NOT INSTALLED
UNINSTALLED COMPONENTS	POWER SUPPLY	TVS1	NOT INSTALLED	NOT INSTALLED
	TOUCHSCREEN	Q32	NOT INSTALLED	NOT INSTALLED
	ANALOG	R159	NOT INSTALLED	NOT INSTALLED
	SOURCE VCC	R71	NOT INSTALLED	NOT INSTALLED
	OUTPUT PULL UP/DOWNS	R98-100,R105-107 R117-118	NOT INSTALLED	NOT INSTALLED
ANALOG	ANALOG FRONT END 0	R19,R20,R21,C3	INSTALLED	NOT INSTALLED
	ANALOG FRONT END 1	R25,R26,R32,C9	INSTALLED	NOT INSTALLED
	AFE 0-1	JP4	0 OHM ACROSS 2-3	NOT INSTALLED
	ANALOG FRONT END 2	R27,R28,R33,C11	INSTALLED	NOT INSTALLED
	ANALOG FRONT END 3	R29,R30,R34,C10	INSTALLED	NOT INSTALLED
	AFE 2-3	JP5	0 OHM ACROSS 2-3	NOT INSTALLED
	ANALOG FRONT END 4	R40,R31,R35,C19	INSTALLED	NOT INSTALLED
	ANALOG FRONT END 5	R41,R42,R47,C20	INSTALLED	NOT INSTALLED
	AFE 4-5	JP6	0 OHM ACROSS 2-3	NOT INSTALLED
	ANALOG FRONT END 6	R43,R44,R48,C21	INSTALLED	NOT INSTALLED
	ANALOG FRONT END 7	R45,R46,R49,C22	INSTALLED	NOT INSTALLED
	AFE 6-7	JP7	0 OHM ACROSS 2-3	NOT INSTALLED
	DIGITAL INPUT 16	R1,R2,C1	INSTALLED	NOT INSTALLED
	DIGITAL INPUT 17	R15,R18,C4	INSTALLED	NOT INSTALLED
	DIGITAL INPUT 18	R16,R17,C2	INSTALLED	NOT INSTALLED
	IN 16-18 PULL U/D	JP1	0 OHM ACROSS 1-2	NOT INSTALLED
	PULL U/D BYPASS	C33	INSTALLED	NOT INSTALLED
	PULL-UP	R108	INSTALLED	NOT INSTALLED
	PIO_3 PULL-UP	R61	INSTALLED	NOT INSTALLED
	BUF OUT	R160,C63	INSTALLED	NOT INSTALLED
	VREF	C64	INSTALLED	NOT INSTALLED
	VREF SELECT	JP8	0 OHM ACROSS 1-2	NOT INSTALLED
	ADS7870 ADC	U10	INSTALLED	NOT INSTALLED
	ADC BYPASS	C59,C65,C66	INSTALLED	NOT INSTALLED
	ANALOG PS FILTER	L2,C32	INSTALLED	NOT INSTALLED
	ANALOG CONNECTOR	J2	INSTALLED	NOT INSTALLED
	TOUCHSCREEN	TS AFE X+	L10,C53,D13	INSTALLED
TS AFE X-		L12,C55,D14	INSTALLED	NOT INSTALLED
TS AFE Y+		L13,C56,D15	INSTALLED	NOT INSTALLED
TS AFE Y-		L11,C54,D12	INSTALLED	NOT INSTALLED
TS CHIP SELECT		Q14,R67	INSTALLED	NOT INSTALLED
TS INTERRUPT		Q12,R147	INSTALLED	NOT INSTALLED
ADS7843 TS CTRL		U9	INSTALLED	NOT INSTALLED
TS CTRL BYPASS		C52	INSTALLED	NOT INSTALLED
ANALOG PS FILTER		J13	INSTALLED	NOT INSTALLED
4-PIN FLEX CONN		L2,C32	INSTALLED	NOT INSTALLED
VREF SELECT		JP8	0 OHM ACROSS 1-2 IF ANALOG OPTION ELSE ACROSS 2-3	NOT INSTALLED
EXTERNAL REFERENCE	EXT REF FIXED	R148,U12,C91	INSTALLED	NOT INSTALLED
	RATIOMETRIC	R148,R150,C91	INSTALLED	NOT INSTALLED
	EXT REF SELECT	JP8	0 OHM ACROSS 2-3	NOT INSTALLED
SYNCHRONOUS SERIAL	RS485 REC/DRIVERS	U14,U15,16	INSTALLED	NOT INSTALLED
	REC/DRV BYPASS	C92,C93,C94	INSTALLED	NOT INSTALLED
	CS INVERTER	Q31,R163	INSTALLED	NOT INSTALLED
	TERMINATORS	R4-9	INSTALLED	NOT INSTALLED
	CONNECTOR	J15	INSTALLED	NOT INSTALLED
	MODE SELECT	JP10	JMPR 3-4	NOT INSTALLED
	CTRL SELECT	JP9	0 OHM ACROSS 1-2	0 OHM ACROSS 2-3

OP72XX OPTION TABLE

CIRCUIT OPTION	OP7200	OP7210				
CORE MODULE	RCM2200	RCM2200				
ANALOG	INSTALLED	NOT INSTALLED				
TOUCH SCREEN CIRCUITRY	INSTALLED	NOT INSTALLED				
EXTERNAL REFERENCE	NOT INSTALLED	NOT INSTALLED				
SYNCHRONOUS SERIAL EXPANSION	INSTALLED	INSTALLED				
SYNC SERIAL MASTER/SLAVE	SLAVE	SLAVE				

JUMPER TABLE

	OPTION	PART	COMPONENT	FACTORY DEFAULT
OUTPUT PULL UP/DOWN	OUTPUTS 0-7 PULLED UP TO +K	R65	0 OHM	NOT INSTALLED
	OUTPUTS 0-7 PULLED UP TO +5V	R64	0 OHM	NOT INSTALLED
	OUTPUTS 0-7 PULLED DOWN TO GND	R62	0 OHM	NOT INSTALLED
INPUTS PULL UP/DOWN	IN 0-7 TIED UP TO +5V	JP2	0 OHM ACROSS 1-2	INSTALLED
	IN 0-7 TIED DOWN TO GND	JP2	0 OHM ACROSS 2-3	NOT INSTALLED
	IN 8-15 TIED UP TO +5V	JP3	0 OHM ACROSS 1-2	INSTALLED
	IN 8-15 TIED DOWN TO GND	JP3	0 OHM ACROSS 2-3	NOT INSTALLED
	IN 16-18 TIED UP TO +5V	JP1	0 OHM ACROSS 1-2	INSTALLED
IN 16-18 TIED DOWN TO GND	JP1	0 OHM ACROSS 2-3	NOT INSTALLED	
EXT REF	INTERNAL REF	JP8	0 OHM ACROSS 1-2	INSTALLED
EXT REF	EXTERNAL REF	JP8	0 OHM ACROSS 2-3	NOT INSTALLED
CS	VIDEO ADR 16	JP9	0 OHM ACROSS 2-3	NOT INSTALLED
VA16	SYNC SERIAL CS	JP9	0 OHM ACROSS 1-2	INSTALLED
RS485 TERM	RS485 TERMINATOR INSTALLED	J8	JUMPER ACROSS 1-2 AND 4-6	INSTALLED
VCC	VCC @ J10-4	R71	0 OHM	NOT INSTALLED
SYNC SERIAL MASTER/SLAVE	MASTER ONLY	JP10	1-2 & 3-4 OPEN	PARK JUMPER AT PIN 1
	SLAVE ONLY	JP10	JUMPER ACROSS 3-4	NOT INSTALLED
	MASTER/SLAVE CTRL BY SOFTWARE	JP10	JUMPER ACROSS 1-2	NOT INSTALLED
LCD OSC	OSC/4	JP12	0 OHM ACROSS 2-3	INSTALLED
	OSC/4	JP11	0 OHM ACROSS 2-3	INSTALLED
	BIT 3 MSB	JP16	0 OHM ACROSS 2-3	INSTALLED
BOARD ID	BIT 2	JP15	0 OHM ACROSS 2-3	INSTALLED
	BIT 1	JP14	0 OHM ACROSS 2-3	INSTALLED
	BIT 0 LSB	JP13	0 OHM ACROSS 2-3	INSTALLED

POWER TABLE

REF DES	DEVICE	GND	VCC (+5V)	+V
U1	S1D13700	1,17,28,33,53	7,22,32,48,55	
U2	LM1117	1	3	
U3	74VHC00	7	14	
U4	ATF1500	4,16,24,36	9,17,29,41	
U5	X9013	4	8	
U6	SP483EN	5	8	
U7	SP232E	15	16	
U8	LM2575-5	1-6,8-13 16,19-24		
U9	ADS7843	6		1,10
U10	ADS7870	25		24
U11	74HCT541	10	20	
U13	74HCT541	10	20	
U14	SP485EN	5	8	
U15	SP485EN	5	8	
U16	SP485EN	5	8	