

SYSTRONIX TINI EVALUATION PLATFORM (STEP) – REVISIONS

1

SCH REV	PCB REV	DATE	BY	DESCRIPTION	SCH REV	DATE	BY
0.0		00 Jan 13	wsk	Start of schematic capture.			
0.1		00 Jan 20	wsk	Initial schematic capture complete.			
0.2		00 Jan 27	wsk	Changed name to Systronix TINI Evaluation Platform (STEP); Added descriptions to Notes page;			

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TO DO:

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Title SYSTRONIX TINI EVALUATION PLATFORM (STEP)  
 REVISIONS

Size	Number	Rev
B		0.1

Date Thu Jan 27, 2000 Drawn by wsk  
 Filename Step\_02.sch Sheet 1 of 9

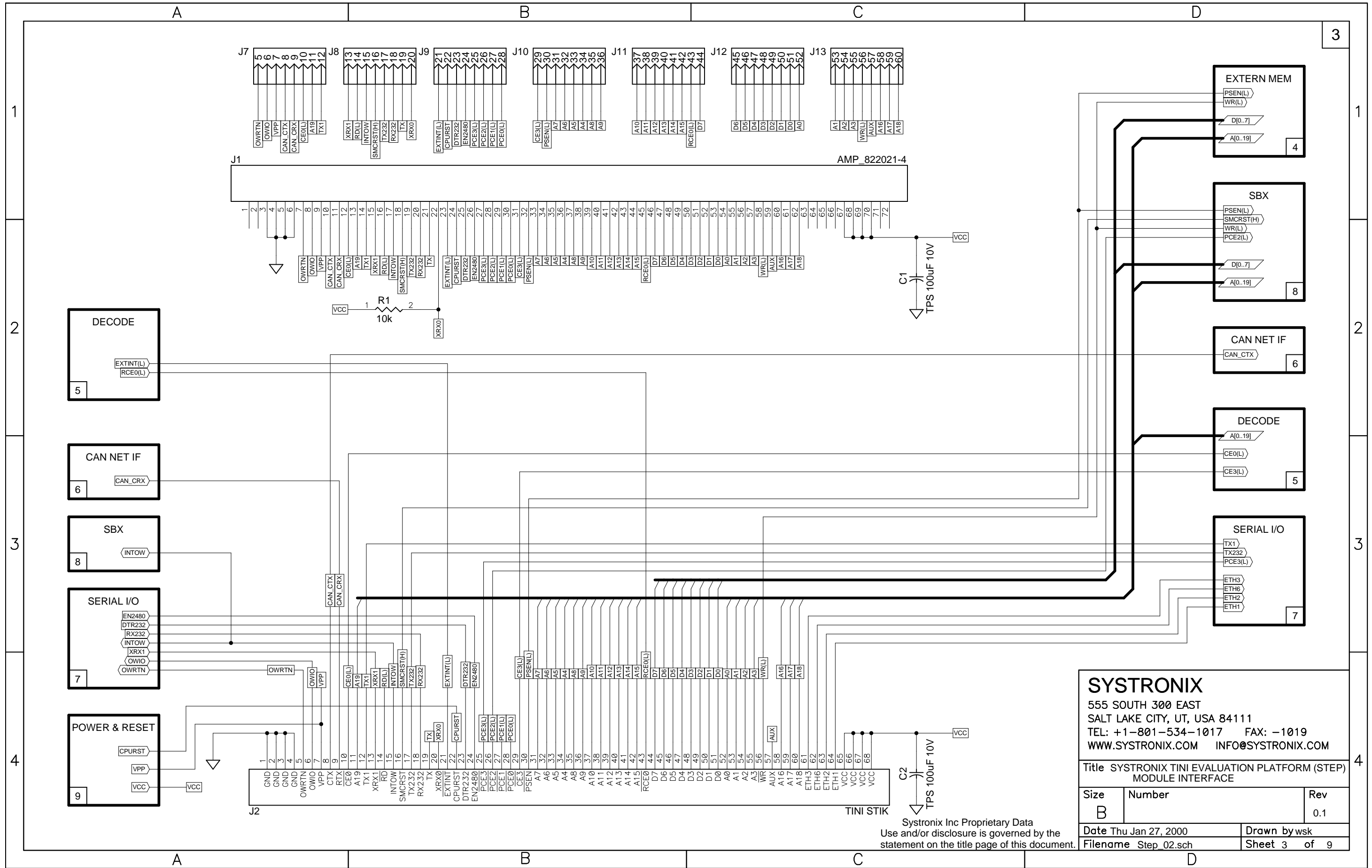
A

B

C

D

A		B		C		D																									
<b>JUMPERS JP1 - JP10</b>				<b>CONNECTORS J3 - J6</b>				<b>CONNECTORS J1 - J2</b>				<b>CONNECTORS J1 - J2</b>				2															
JP1		JUMPER INSTALLED USE EXTERNAL FLASH AS BOOT DEVICE.		SHEET 5		J1		SPARE 68/72 PIN SIMM		SHEET 3		J1		J2		J1		J2													
JP2		AUX LED HEADER		SHEET 5		J2		TINI STIK CONNECTOR		SHEET 3		1		NC		37		35		A8											
JP3		WHEN INSTALLED, TERMINATES THE CAN DATA SIGNALS		SHEET 6		J3		AUXILIARY RS232 (DCE) -		SHEET 7		2		NC		38		36		A9											
JP4		1-2		SIGNAL PCE3(L) (P5.7 CONFIGURED AS AN I/O PIN) DETERMINES WHETHER SERIAL PORT 1 USES THE EXTERNAL ONE WIRE BUS (P7) OR THE AUXILIARY RS232 PORT (J3). WHEN PCS3(L) IS HIGH, COMMUNICATION IS THROUGH THE EXTERNAL ONE WIRE BUS.		SHEET 7		1- DCD (MARK)				3		GROUND		39		37		A10											
JP4		2-3		WHEN INSTALLED SERIAL PORT 1 USES THE AUXILIARY RS-232 PORT (J3). THE EXTERNAL ONE WIRE BUS (P7) IS NOT AVAILABLE.				2- RxD				4		GROUND		40		38		A11											
JP5				SHEET 7				3- TxD				5		GROUND		41		39		A12											
JP5				SHEET 7				4- NC				6		GROUND		42		40		A13											
JP5				SHEET 7				5- SIGNAL GROUND				7		OWRTN		43		41		A14											
JP5				SHEET 7				6- DSR (MARK)				8		OWIO		44		42		A15											
JP5				SHEET 7				7- NC				9		VPP		45		43		RCE0(L)											
JP5				SHEET 7				8- CTS (MARK)				10		CTX		46		44		D7											
JP5				SHEET 7				9- NC				11		CRX		47		45		D6											
JP6				SHEET 7				J4		PRIMARY RS232 (DCE) -		SHEET 7		12		CE0(L)		48		46		D5									
JP6				SHEET 7				1- NC				13		A19		49		47		D4		14		TX		50		48		D3	
JP6				SHEET 7				2- TX232 (DCE RxD)				15		XRX1		51		49		D2		16		RD(L)		52		50		D1	
JP6				SHEET 7				3- RX232 (DCE TxD)				17		INTOW		53		51		D0		18		SMCRST		54		52		A0	
JP6				SHEET 7				4- DTR232				19		TX232		55		53		A1		19		RX232		56		54		A2	
JP6				SHEET 7				5- SIGNAL GROUND				20		NC		56		54		A2		20		TX		57		55		A3	
JP6				SHEET 7				6- NC				21		TX		57		55		A3		22		XRX0		58		56		WR(L)	
JP6				SHEET 7				7- NC				23		EXTINT(L)		59		57		NC		23		CPURST		60		58		A16	
JP6				SHEET 7				8- NC				24		CPURST		60		58		A16		24		DTR232		61		59		A17	
JP6				SHEET 7				9- NC				25		DTR232		61		59		A17		26		EN2480		62		60		A18	
JP6				SHEET 7				J5		SBX CONNECTOR		SHEET 8		27		PCE3(L)		63		61		27		PCE2(L)		64		62		ETH3 *	
JP6				SHEET 7				1- SBX +12				28		PCE2(L)		64		62		ETH6 *		29		PCE1(L)		65		63		ETH2 *	
JP6				SHEET 7				2- SBX -12				30		PCE0(L)		66		64		ETH1 *		30		PCE0(L)		66		64		ETH1 *	
JP6				SHEET 7				3- GROUND				31		CE3(L)		67		65		VCC		31		CE3(L)		67		65		VCC	
JP6				SHEET 7				4- VCC				32		PSEN(L)		68		66		VCC		32		A7		69		67		VCC	
JP6				SHEET 7				5- SMCRST(H)				33		A7		69		67		VCC		34		A6		70		68		VCC	
JP6				SHEET 7				6- NC				34		A6		70		68		VCC		35		A5		71		70		NC	
JP6				SHEET 7				7- A2				35		A5		71		70		NC		36		A4		72		71		NC	
JP6				SHEET 7				8- NC				36		A4		72		71		NC											
JP6				SHEET 7				9- A1																							
JP6				SHEET 7				10- NC																							
JP6				SHEET 7				11- A0																							
JP6				SHEET 7				12- SBX INTERRUPT 1																							
JP6				SHEET 7				13- WR(L)																							
JP6				SHEET 7				14- SBX INTERRUPT0																							
JP6				SHEET 7				15- RD(L)																							
JP6				SHEET 7				16- NC																							
JP6				SHEET 7				17- GROUND																							
JP6				SHEET 7				18- VCC																							
JP6				SHEET 7				19- D7																							
JP6				SHEET 7				20- MCS1(L)																							
JP6				SHEET 7				21- D6																							
JP6				SHEET 7				22- MCS0(L)																							
JP6				SHEET 7				23- D5																							
JP6				SHEET 7				24- NC																							
JP6				SHEET 7				25- D4																							
JP6				SHEET 7				26- NC																							
JP6				SHEET 7				27- D3																							
JP6				SHEET 7				28- NC																							
JP6				SHEET 7				29-D2																							
JP6				SHEET 7				30- OWIO																							
JP6				SHEET 7				31- D1																							
JP6				SHEET 7				32- NC																							
JP6				SHEET 7				33- D0																							
JP6				SHEET 7				34- NC																							
JP6				SHEET 7				35- GND																							
JP6				SHEET 7				36- VCC																							
JP6				SHEET 7				J6		ANALOG INPUT -		SHEET 7		1		AIN1															
JP6				SHEET 7				1- AIN1						2		GROUND															
JP6				SHEET 7				2- GROUND						3		AIN2															
JP6				SHEET 7				3- AIN2						4		GROUND															
JP6				SHEET 7				4- GROUND						5		AIN3															
JP6				SHEET 7				5- AIN3						6		GROUND															
JP6				SHEET 7				6- GROUND						7		AIN4															
JP6				SHEET 7				7- AIN4						8		GROUND															
JP6				SHEET 7				8- GROUND																							
<b>CONNECTORS P1 - P13</b>																															
P1		PUSHBUTTON HIGH		SHEET 5		P7		ONE-WIRE NET -		SHEET 7																					
P2		PUSHBUTTON LOW		SHEET 5				1- VCC																							
P3		CAN DEVICE NET -		SHEET 6				2- GROUND																							
P3		1- SIGNAL GROUND						3- OWIO																							
P3		2- DOMINANT LOW						4- OWRTN																							
P3		3- SHIELD						5- NC																							
P3		4- DOMINANT HIGH						6- VRAW																							
P3		5- V+																													
P4		CAN OPEN -		SHEET 6		P8		DIAGNOSTIC PORT -		SHEET 7																					
P4		1- NC						1- NC																							
P4		2- SIGNAL GROUND						2- TxD																							
P4		3- DOMINANT LOW						3- NC																							
P4		4- DOMINANT HIGH						4- GROUND																							
P4		5- SIGNAL GROUND						5- RxD																							
P4		6- NC						6- NC																							
P4		7- NC																													
P4		8- V+																													



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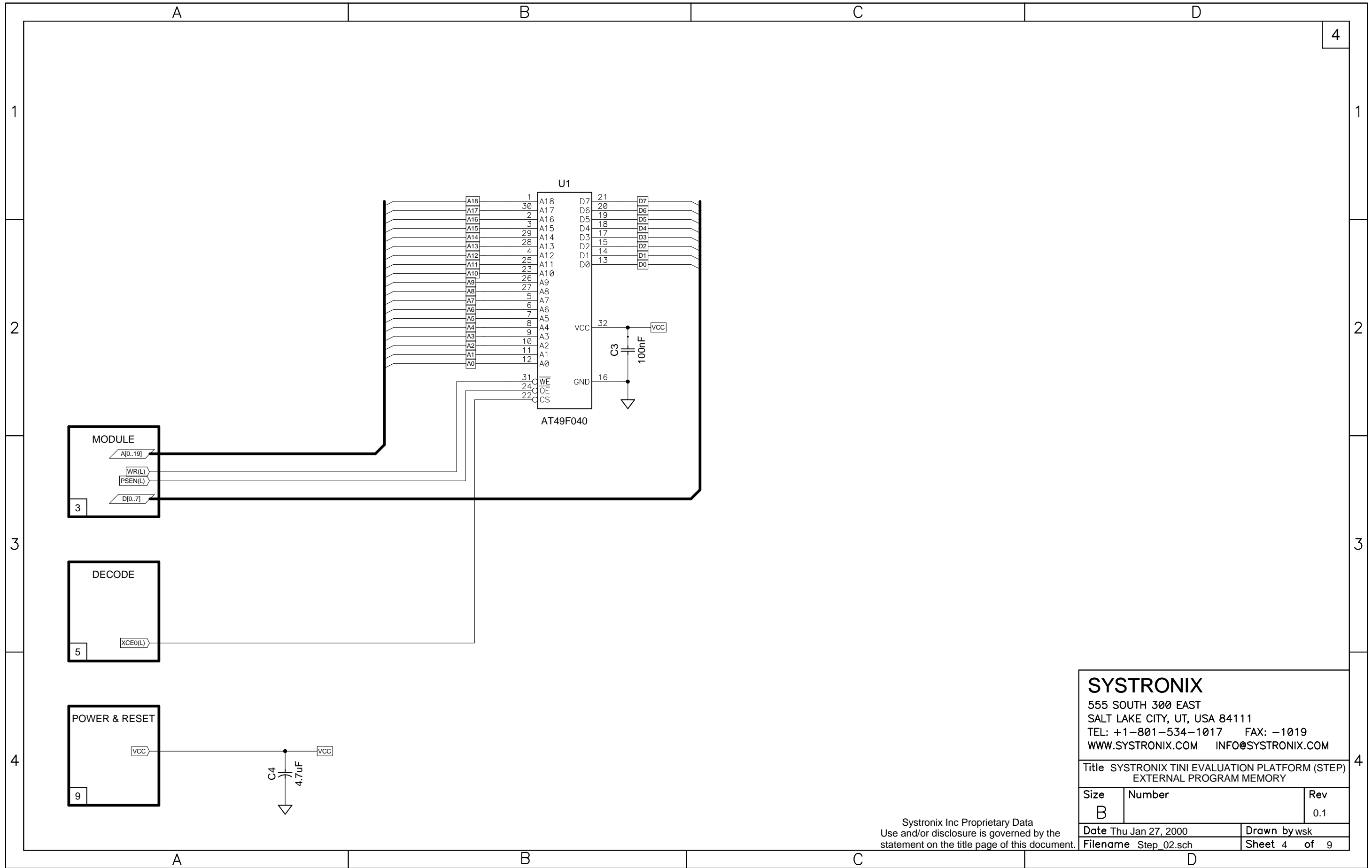
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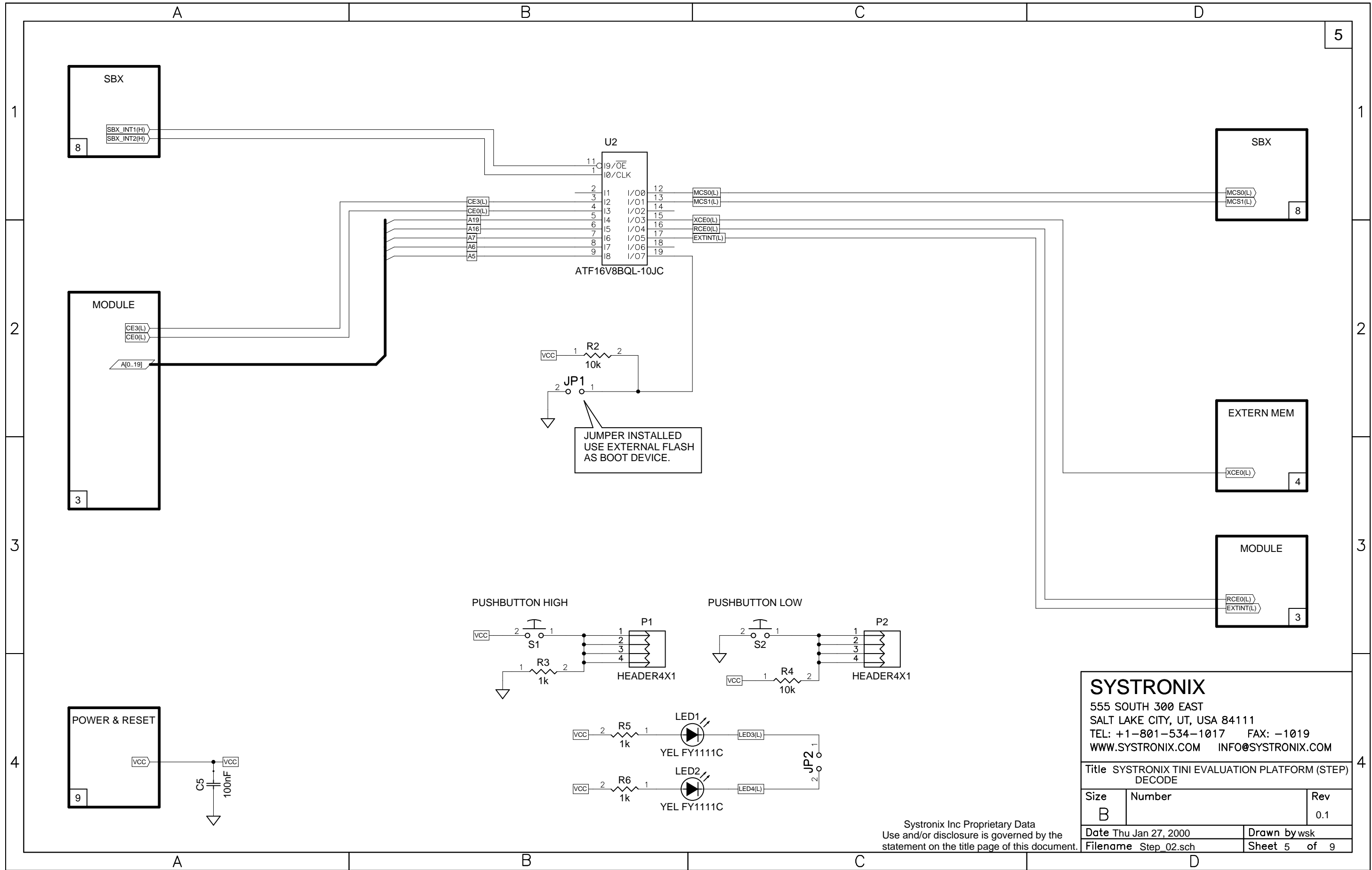
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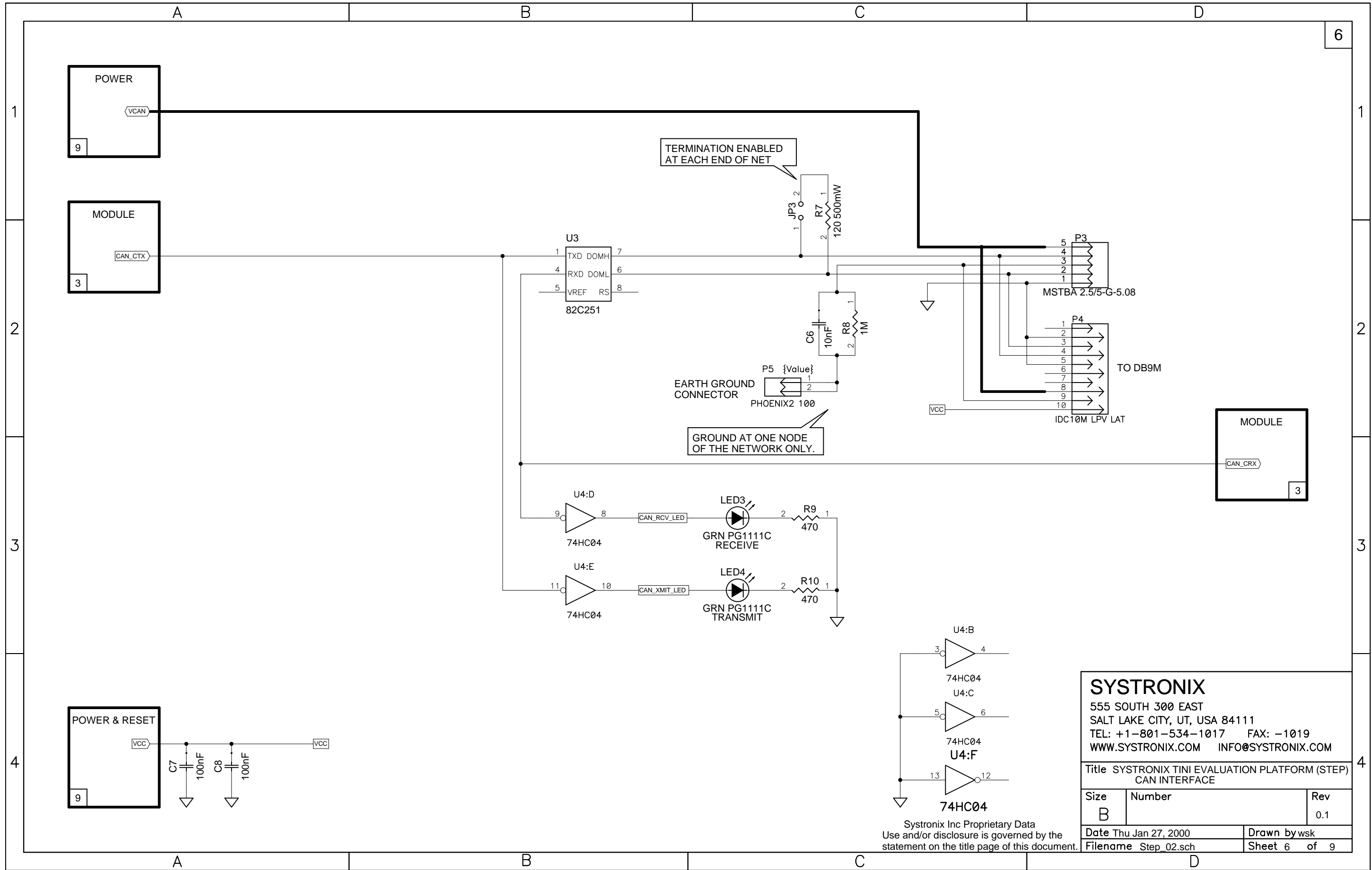
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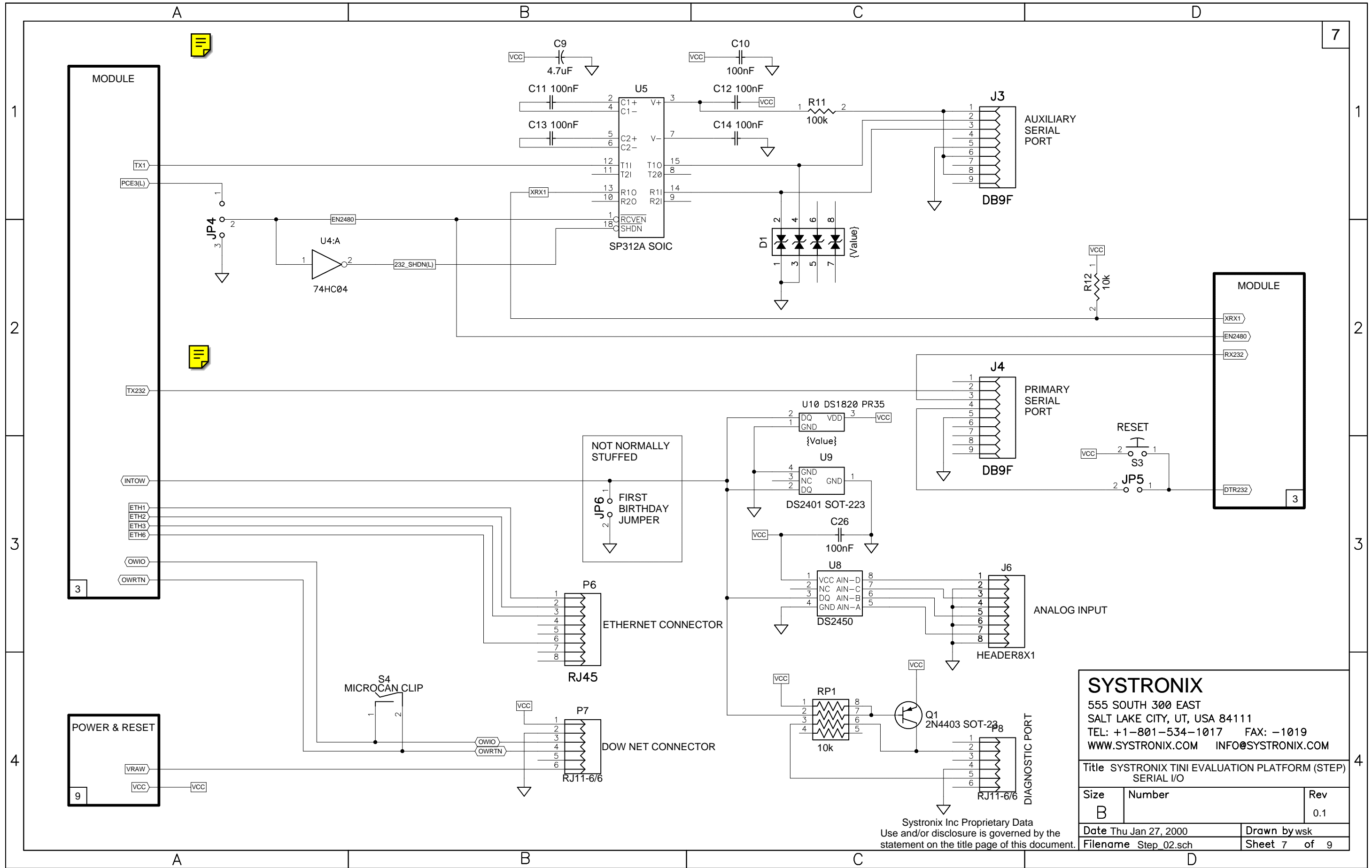
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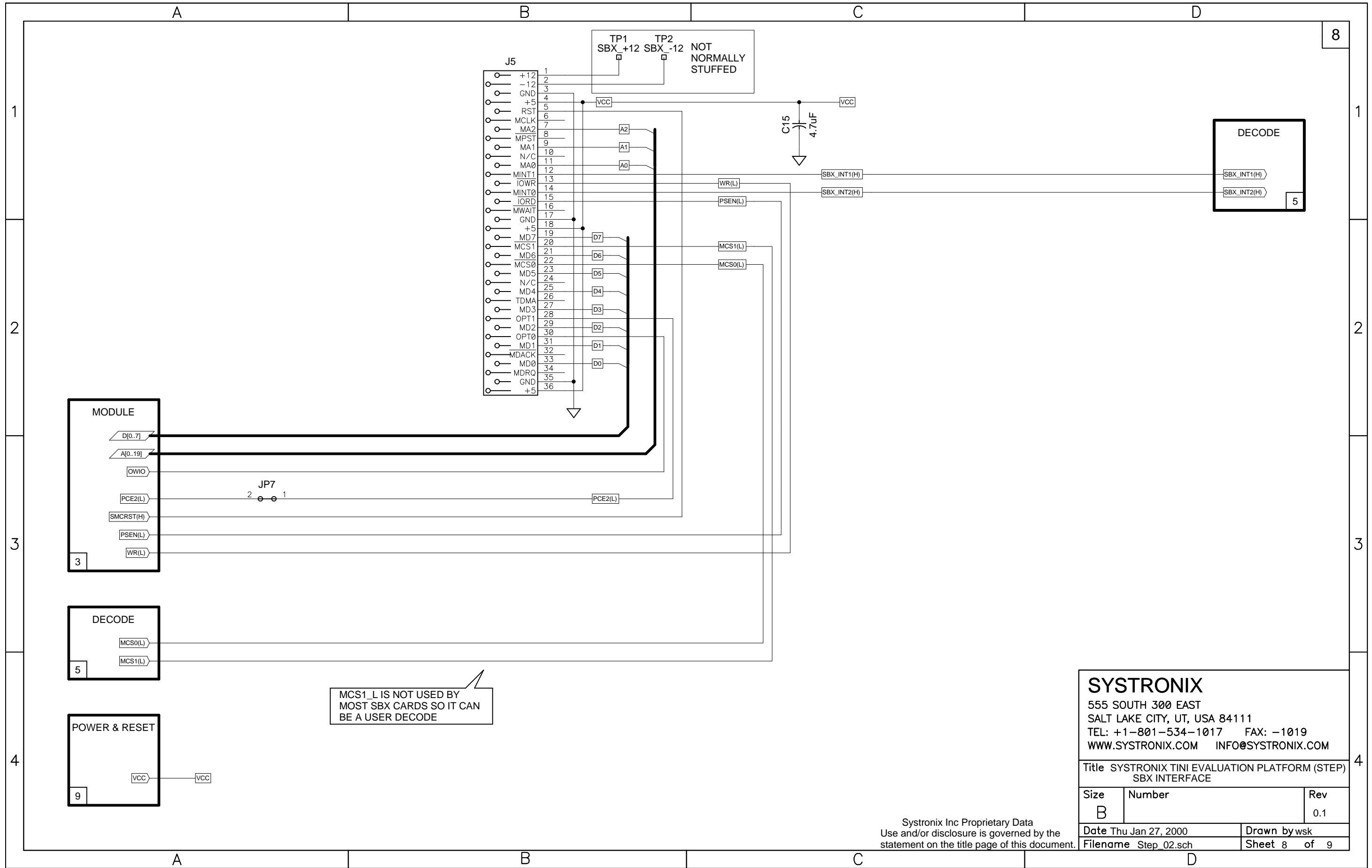
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MCS1\_L IS NOT USED BY MOST SBX CARDS SO IT CAN BE A USER DECODE

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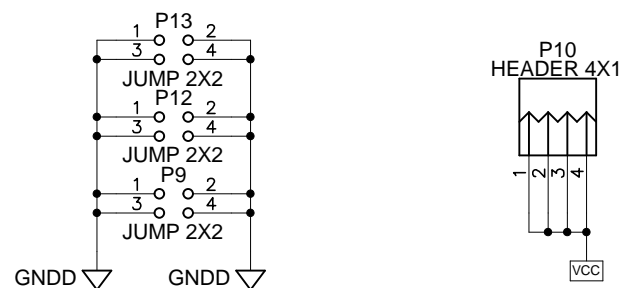
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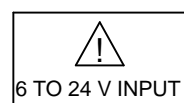
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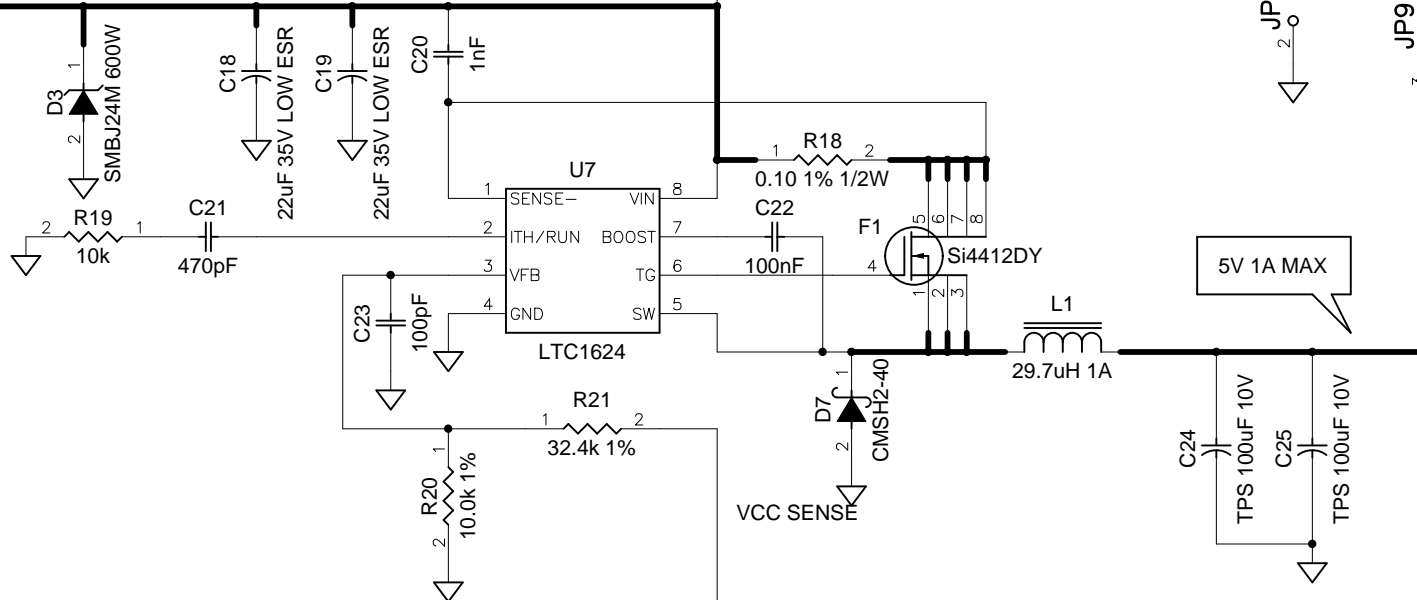
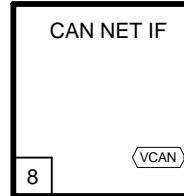
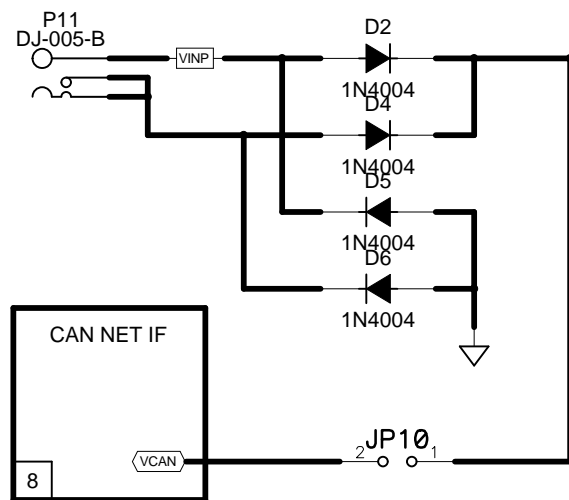




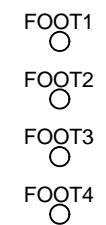
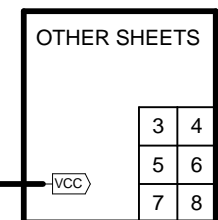
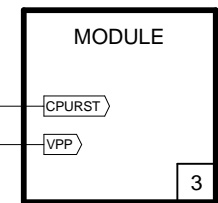
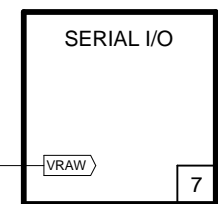
DIGITAL SUPPLY TEST POINTS



6 TO 24 V INPUT



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