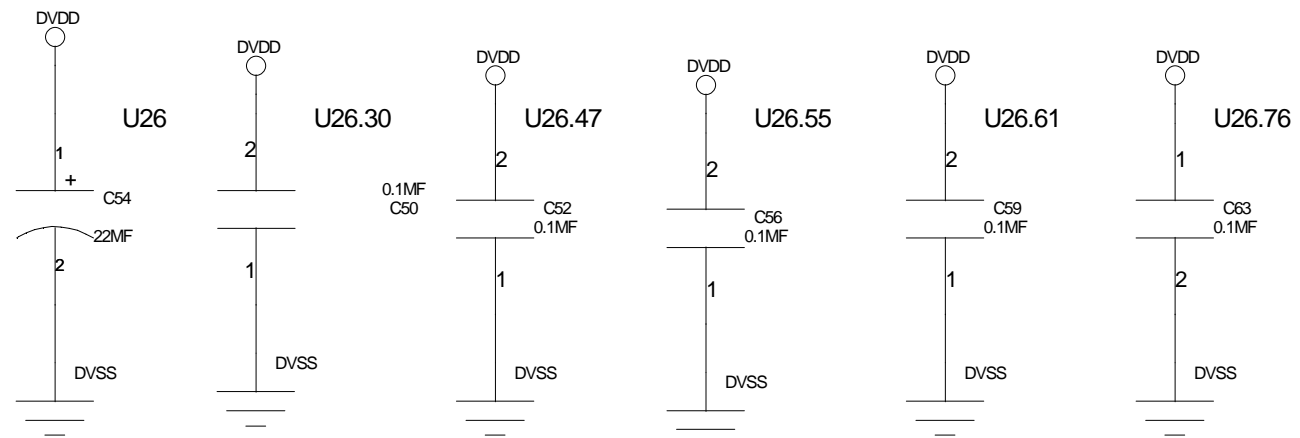
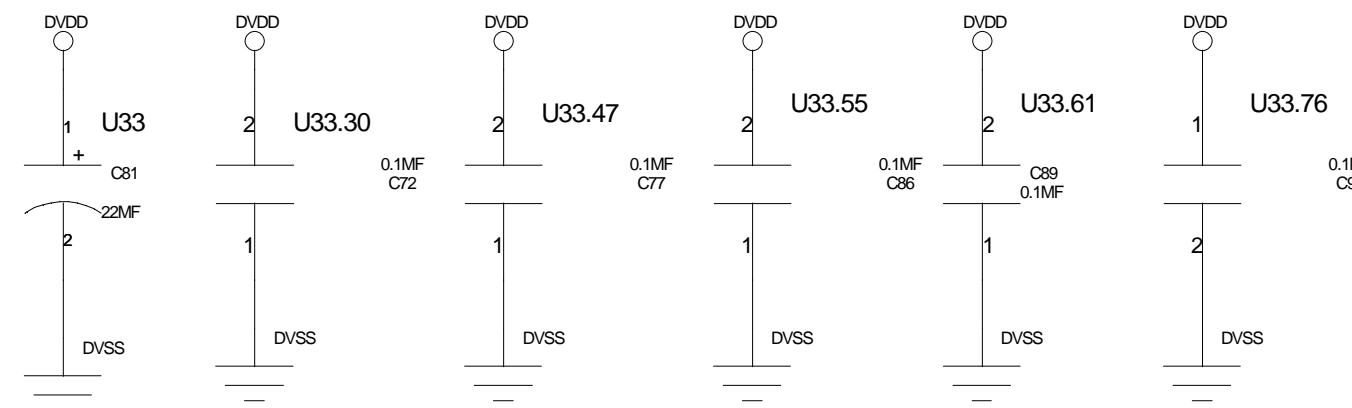
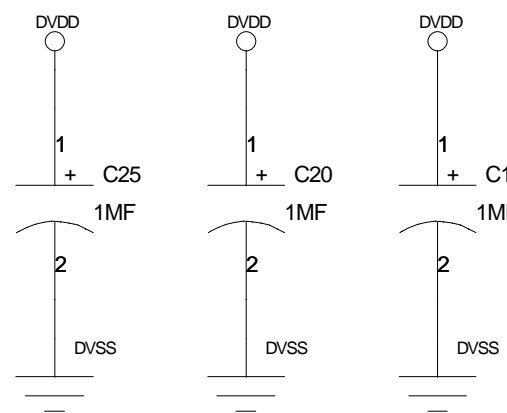
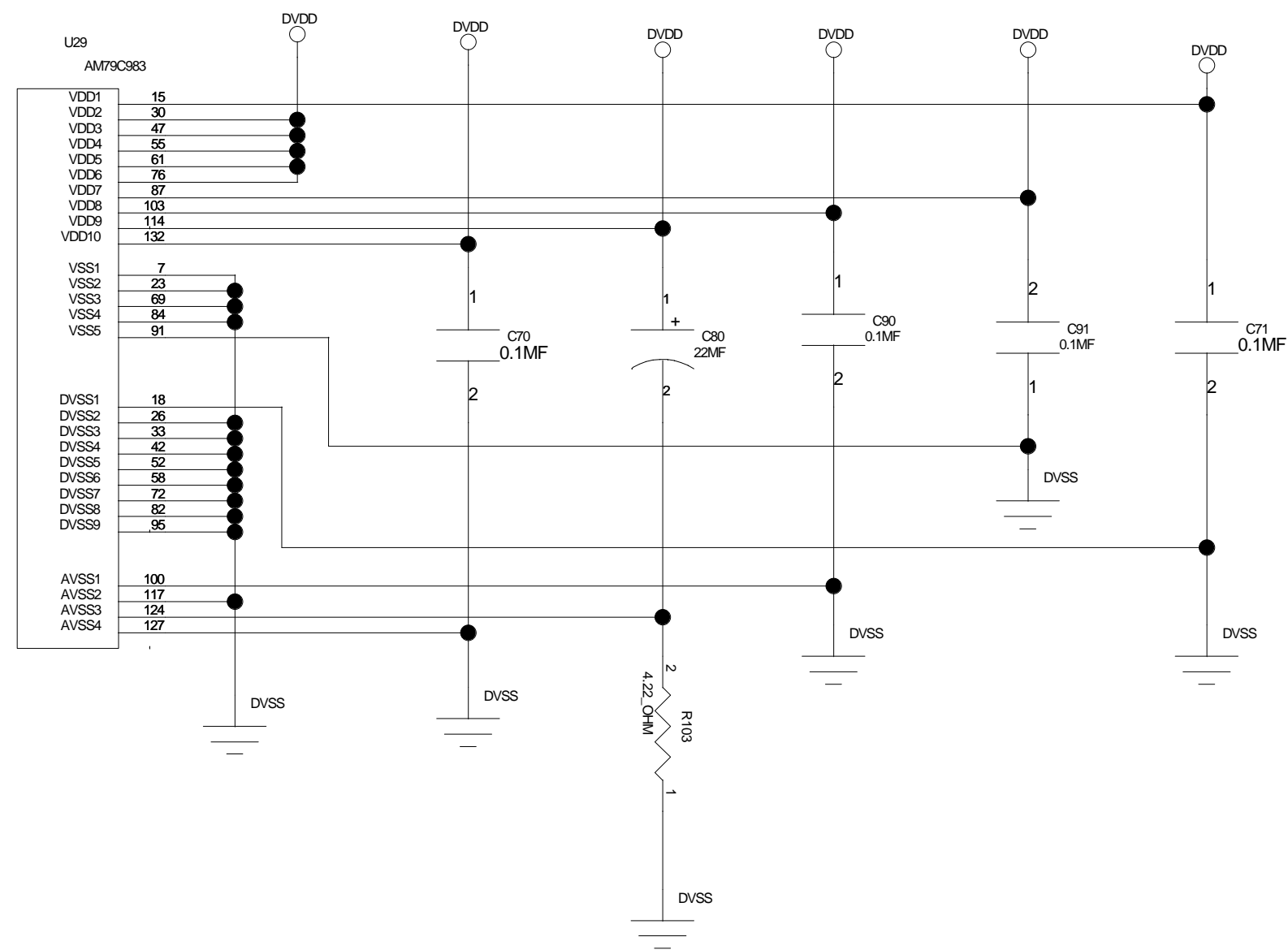
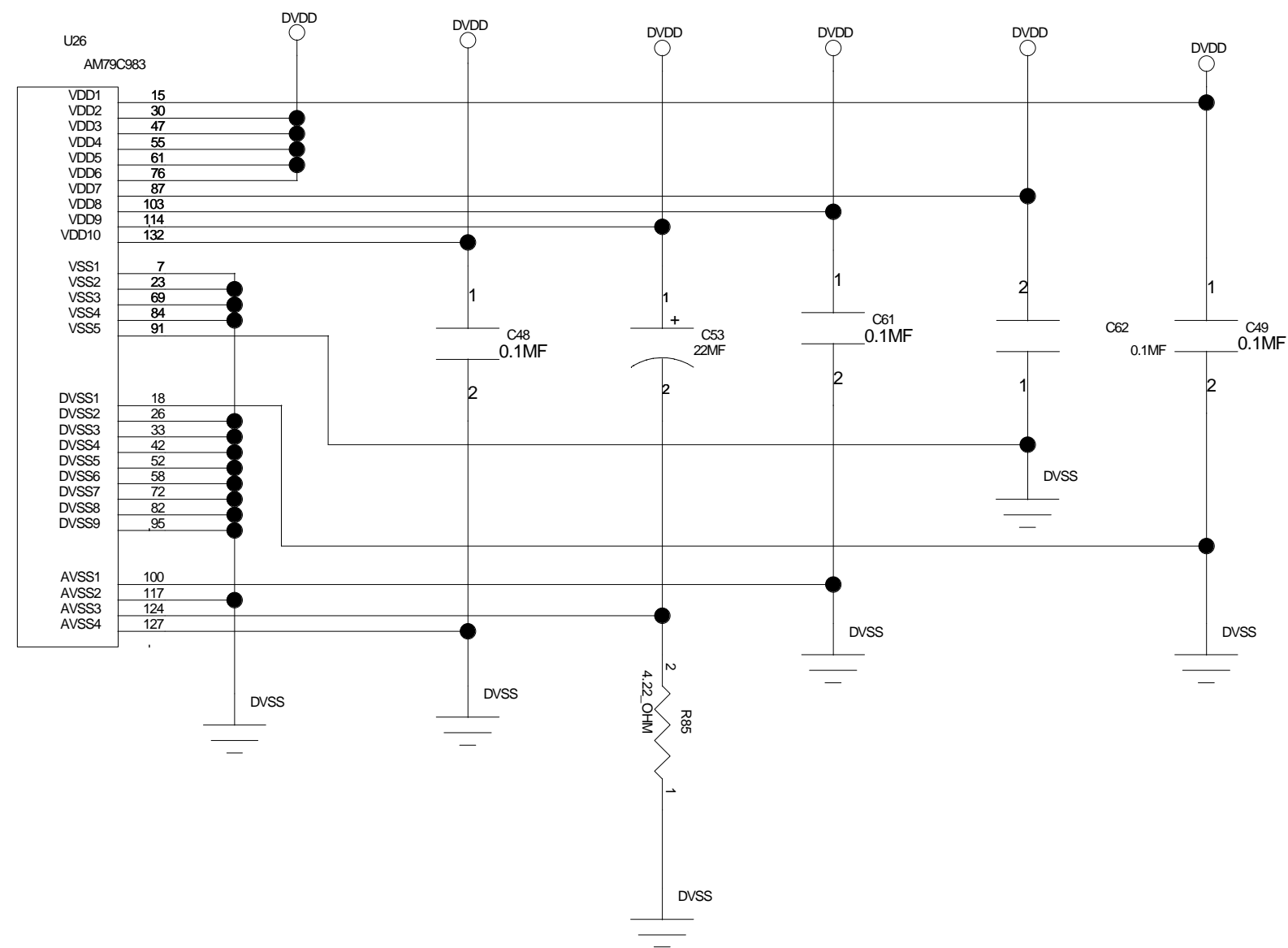
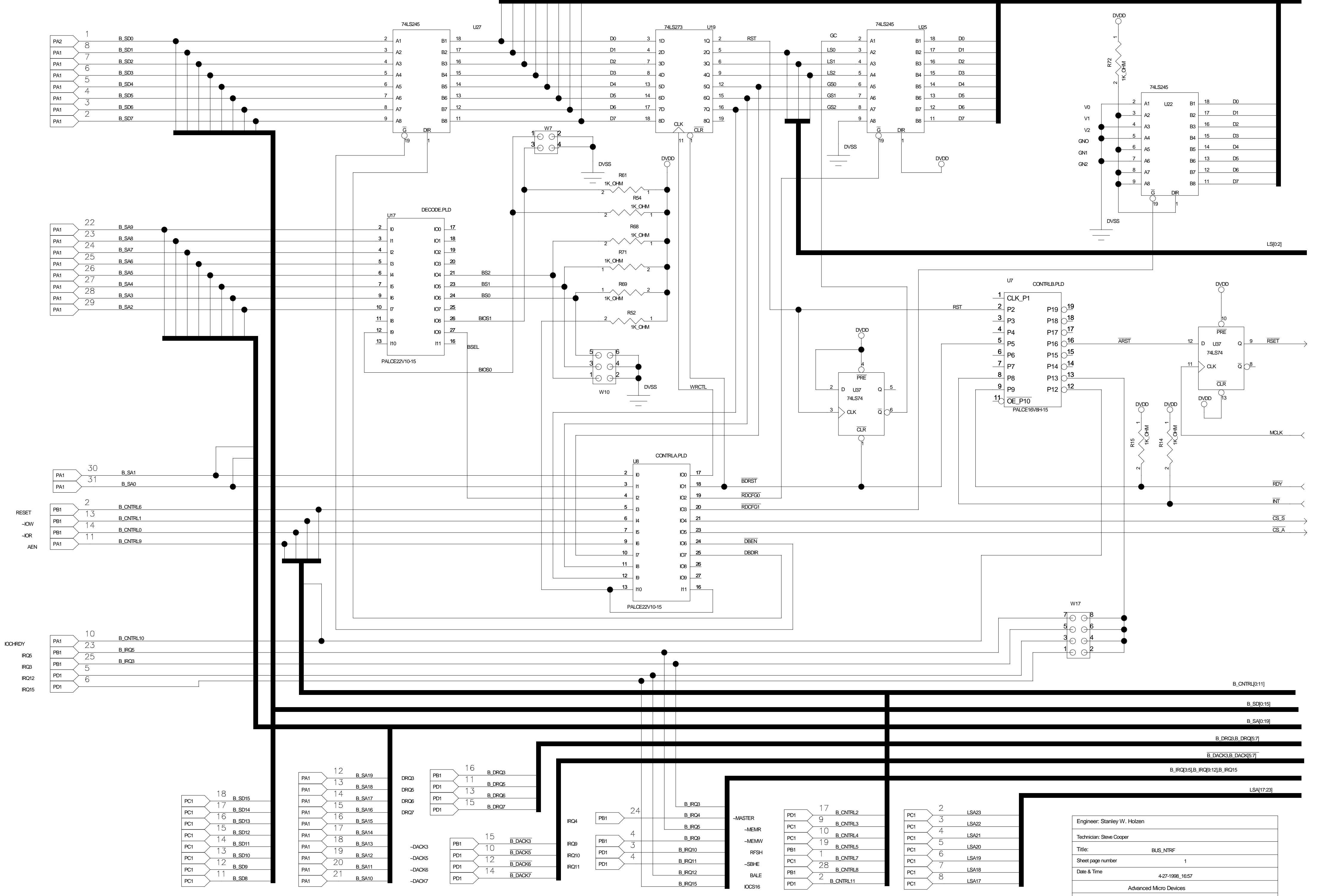


Engineer:	Stanley W. Holzen
Technician:	Steve Cooper
Title:	MAINBD
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Advanced Micro Devices	
Project	IMR2BD1

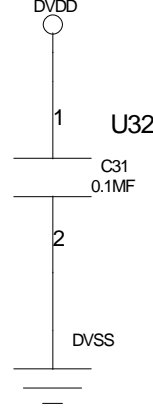
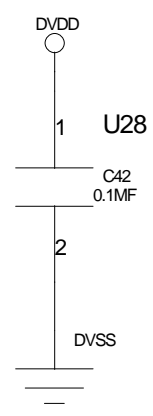
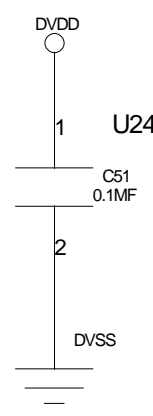
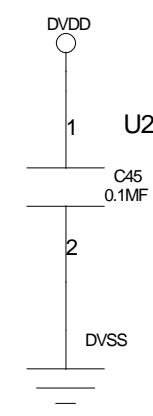
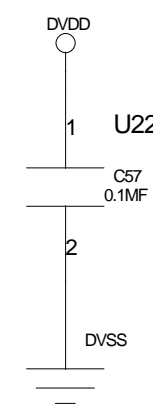
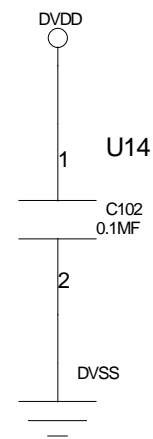
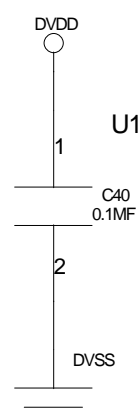
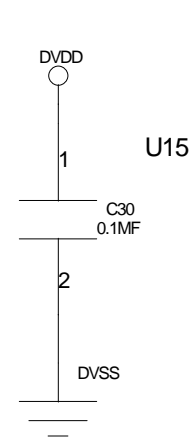
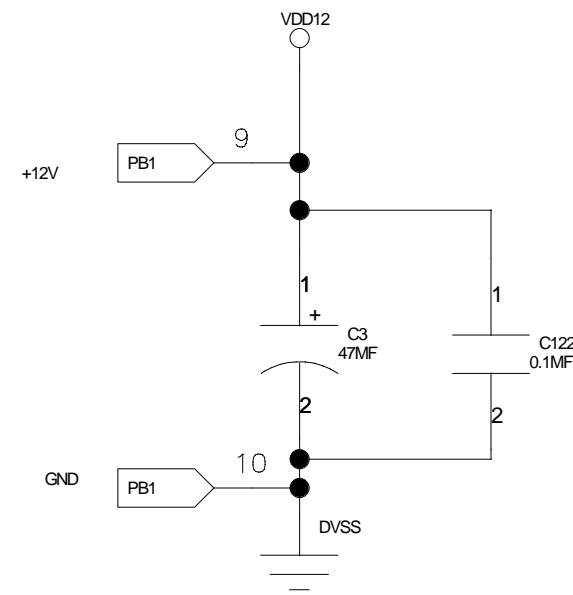
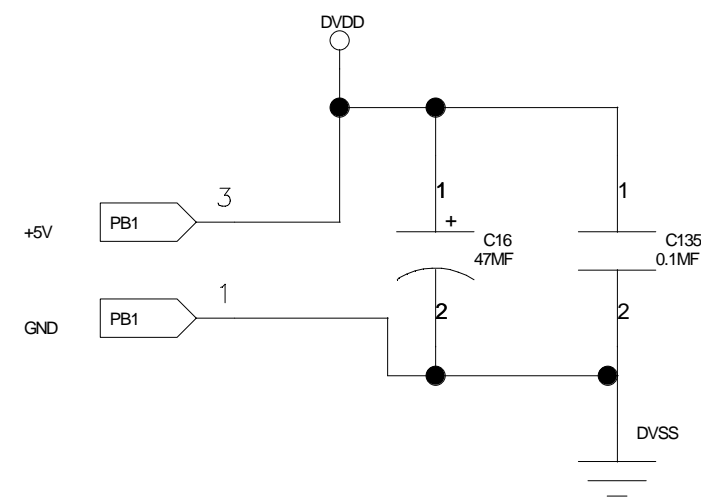
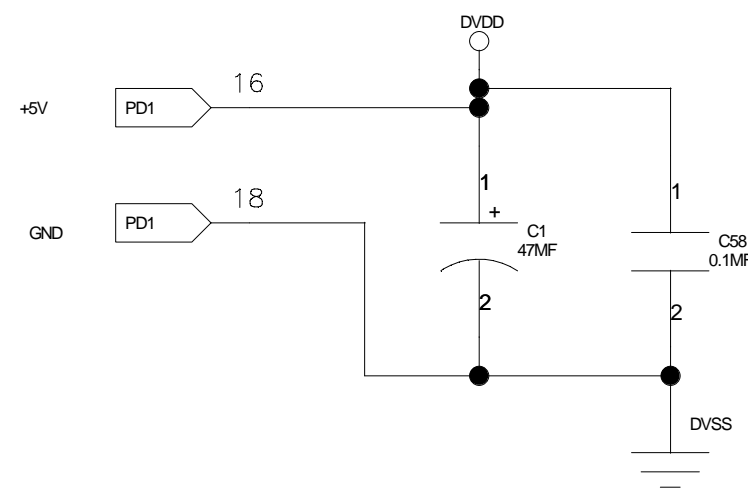
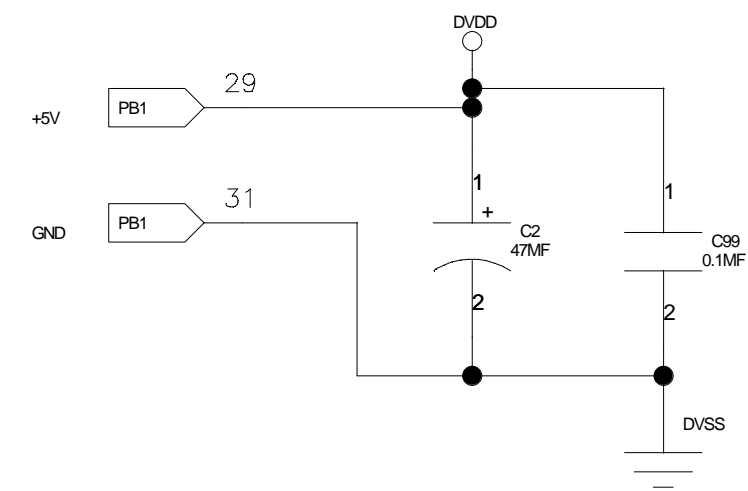
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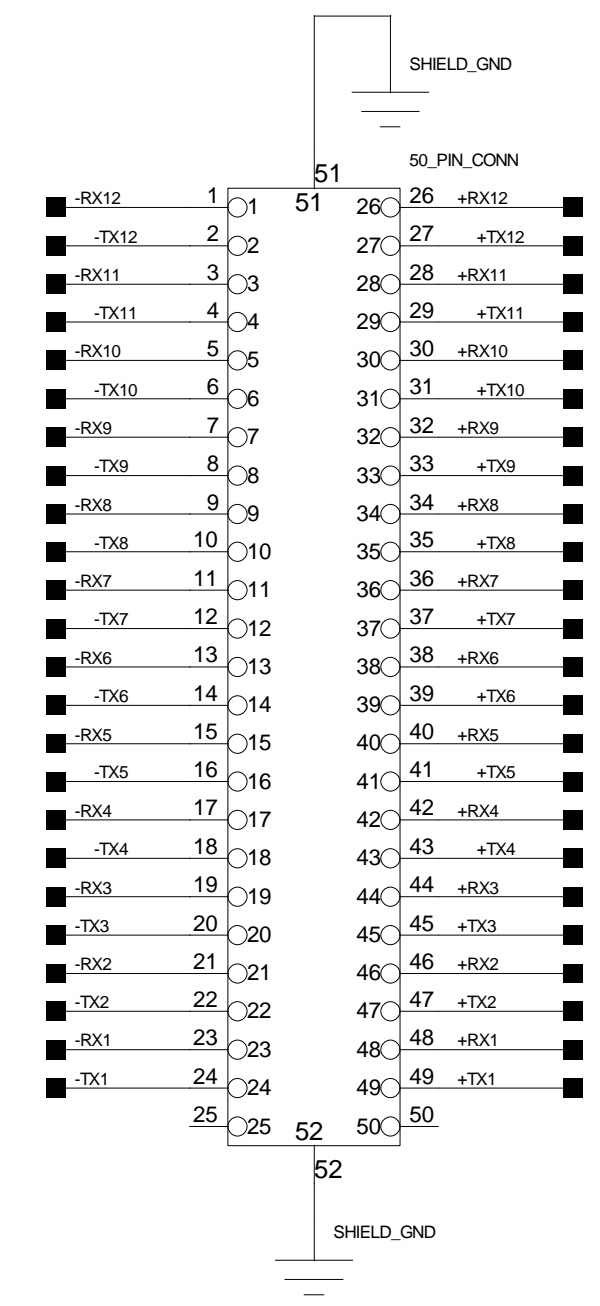
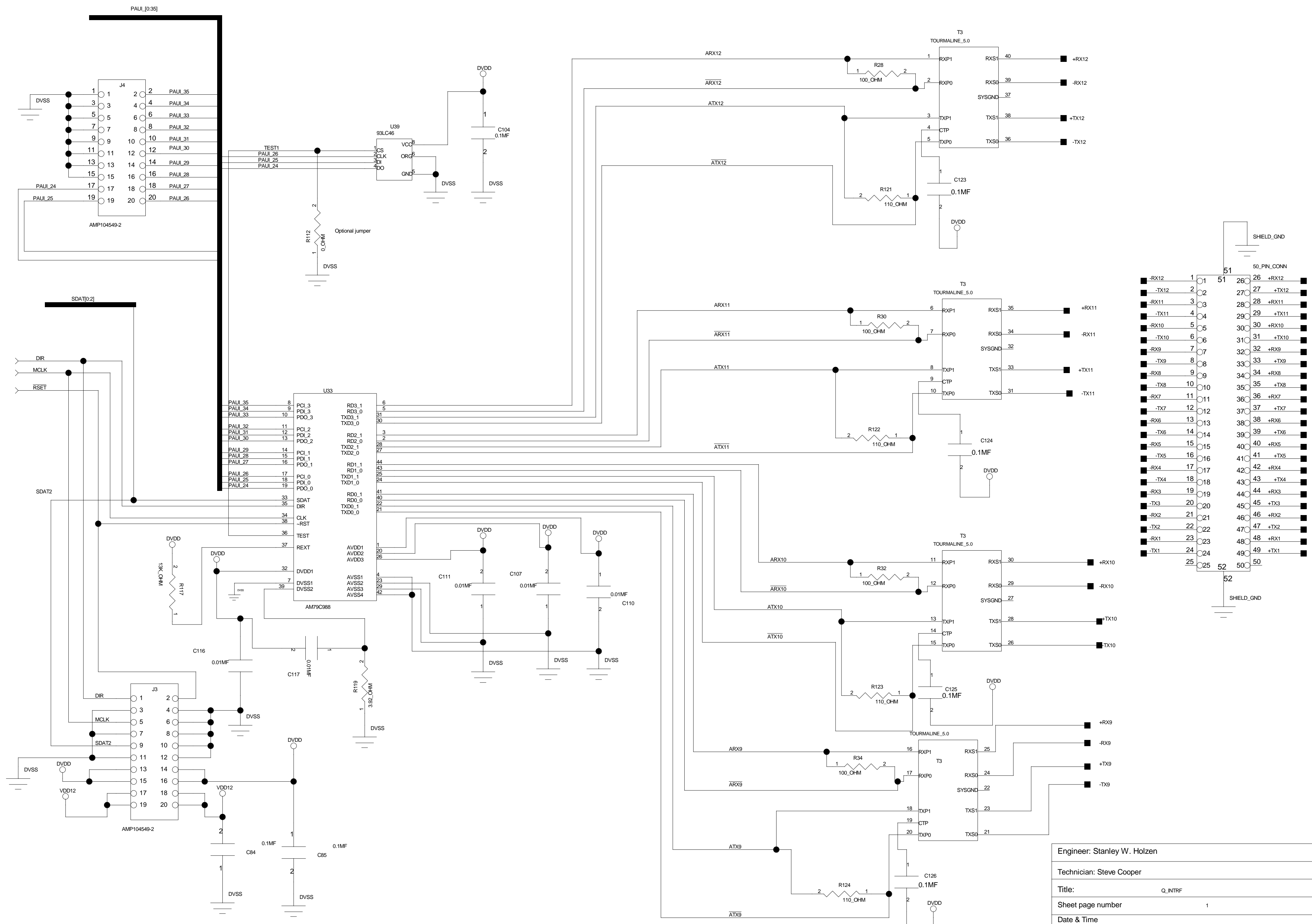
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Technician:	Steve Cooper
Title:	CNTRLR
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Project	IMR2BD1



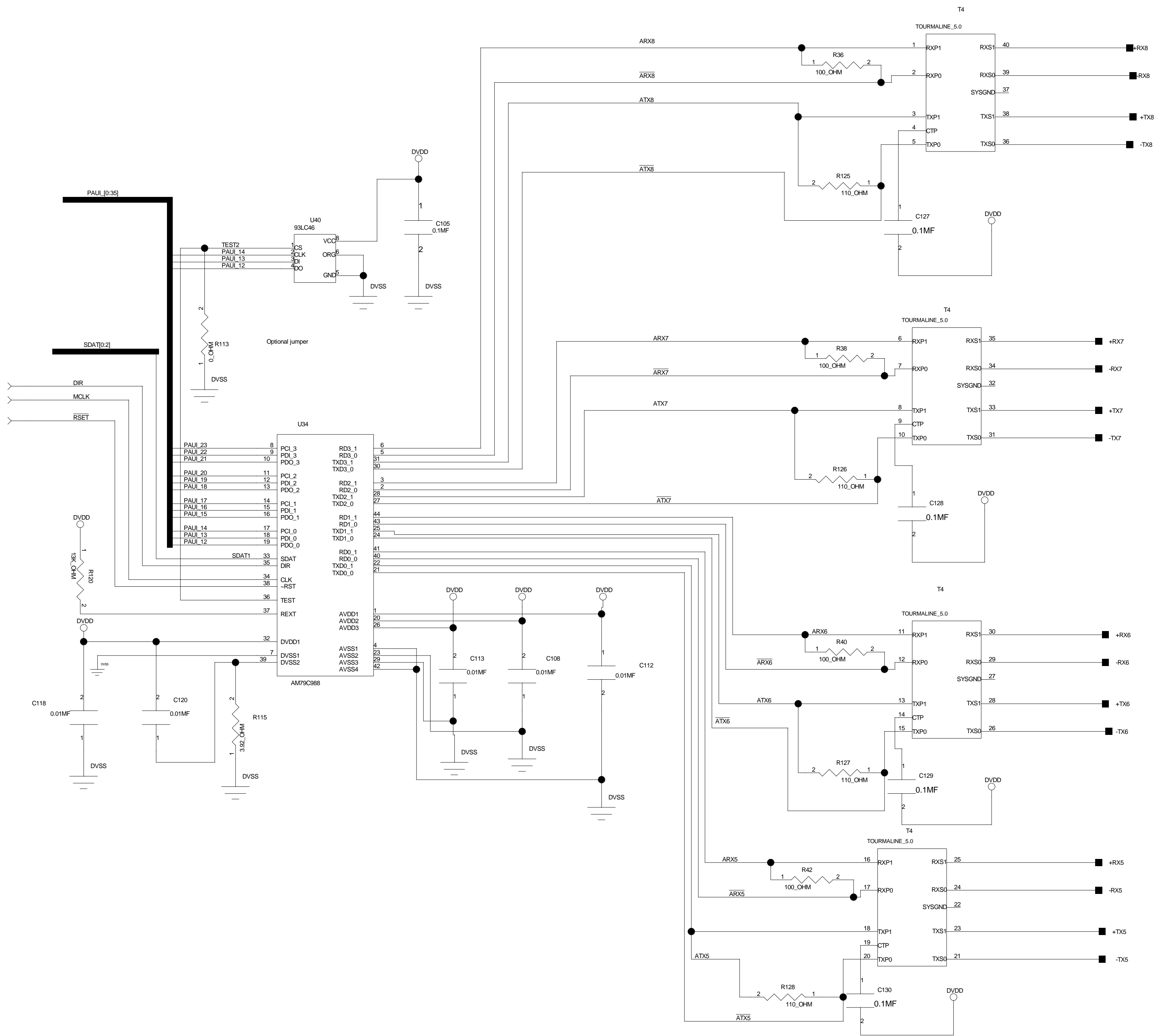
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Technician:	Steve Cooper
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Project:	IMR2BD1



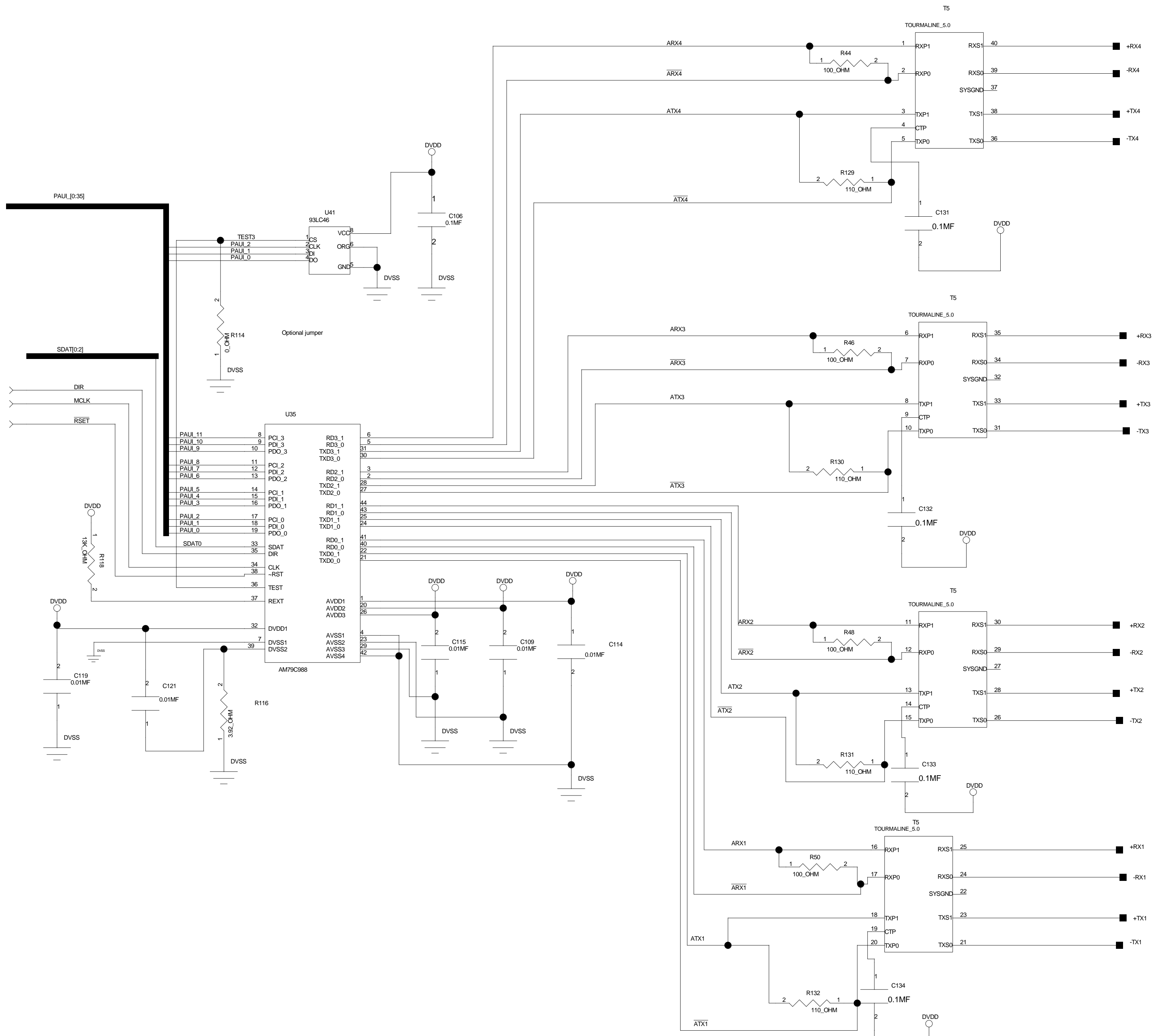
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Technician:	Steve Cooper
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Project	IMR2BD1



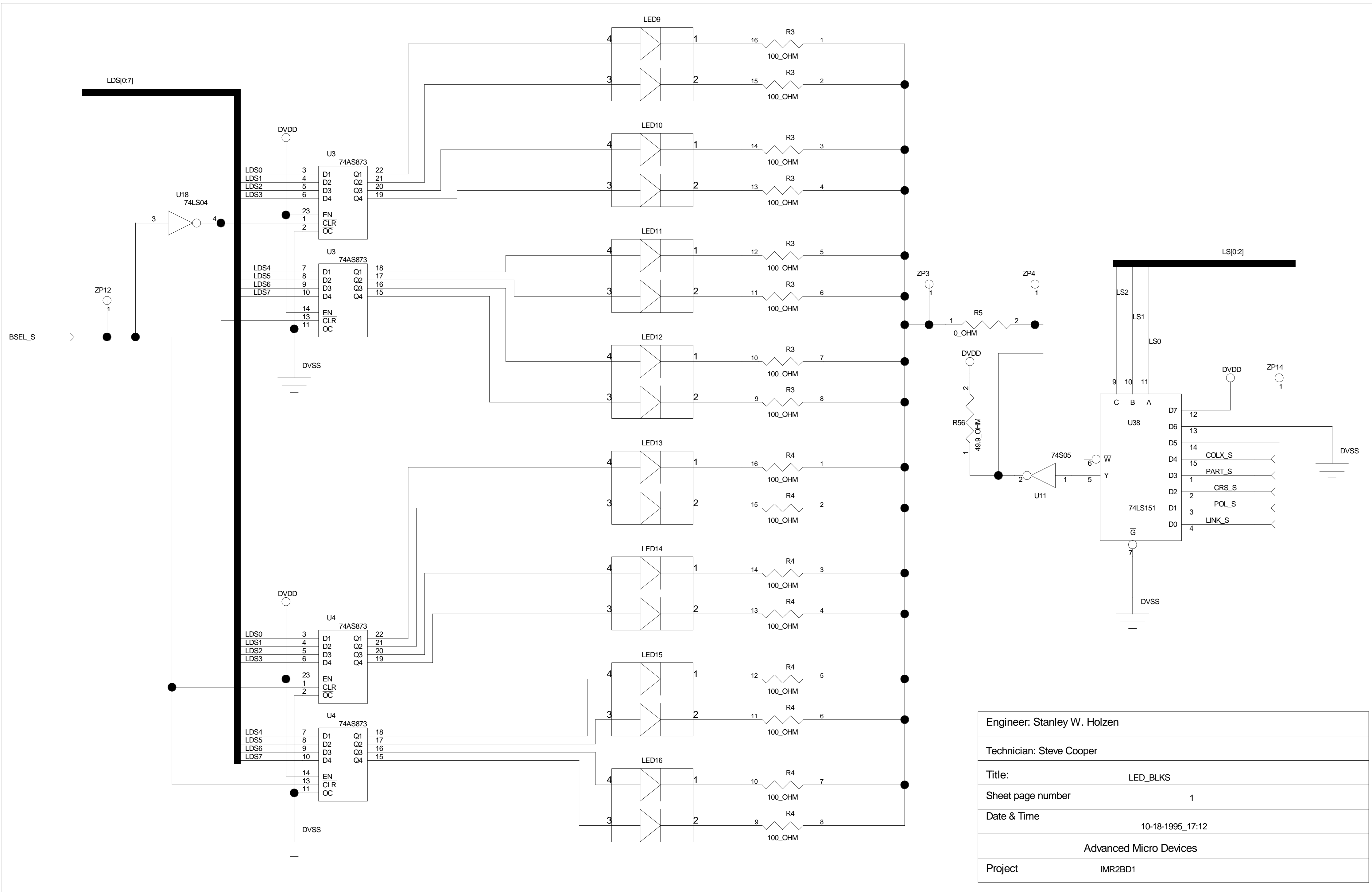
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Technician:	Steve Cooper
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Project	IMR2BD1



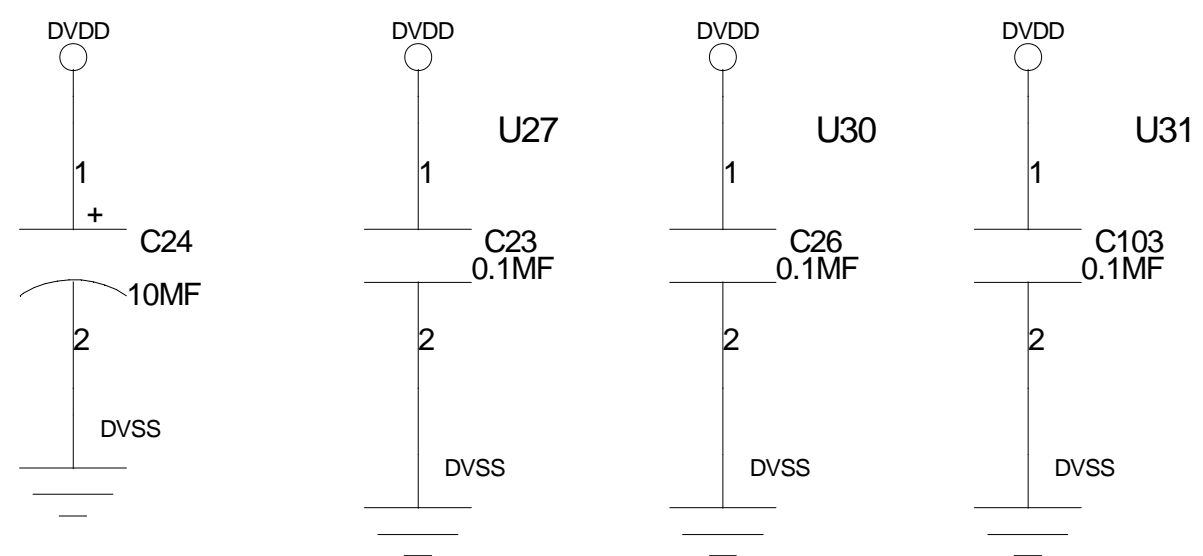
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Technician:	Steve Cooper
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Date & Time	4-27-1998_16:30
Advanced Micro Devices	
Project	IMR2BD1



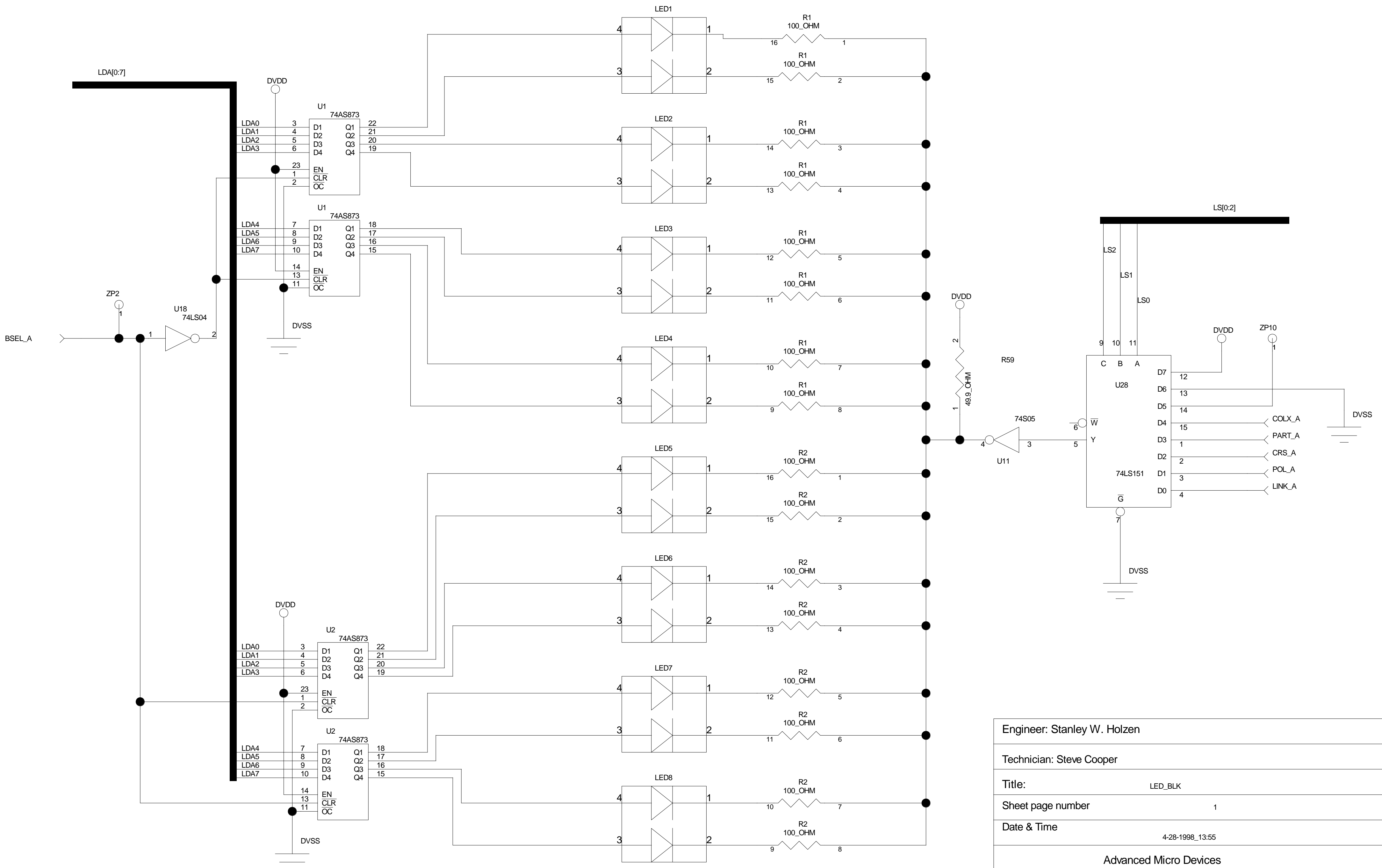
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Advanced Micro Devices	
Project	IMR2BD1



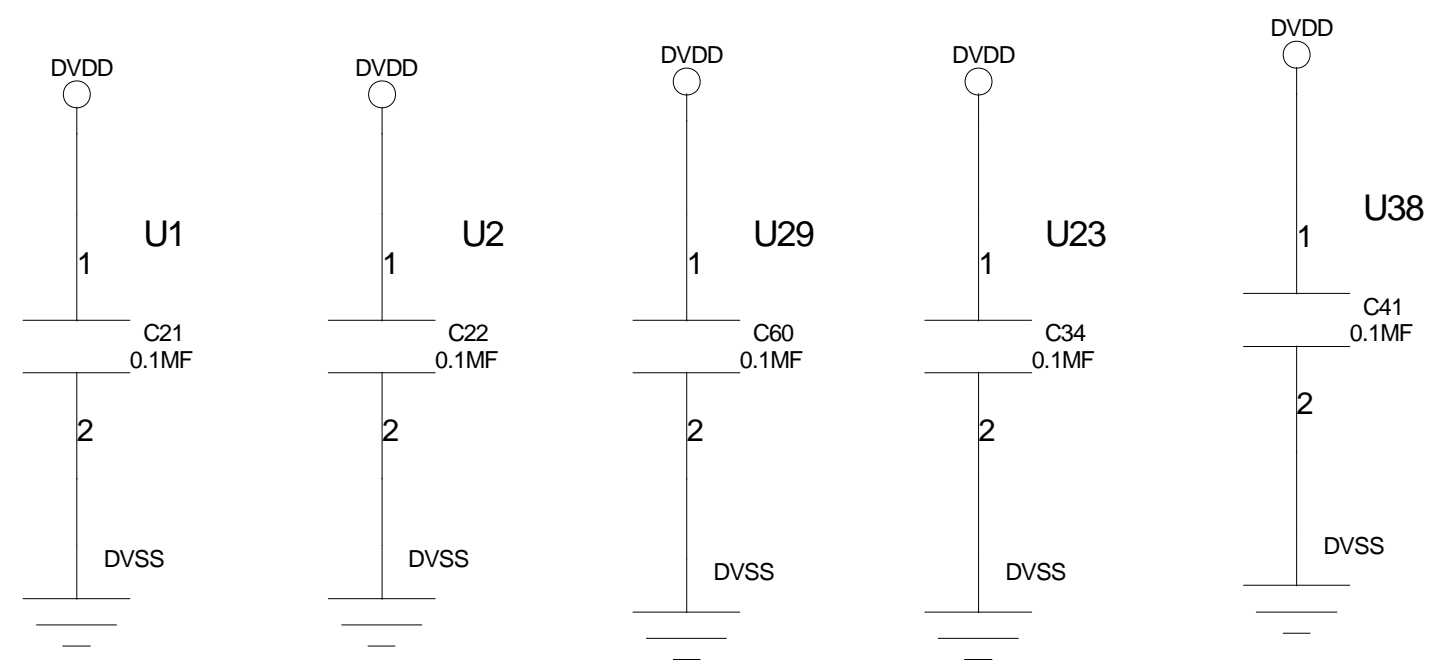
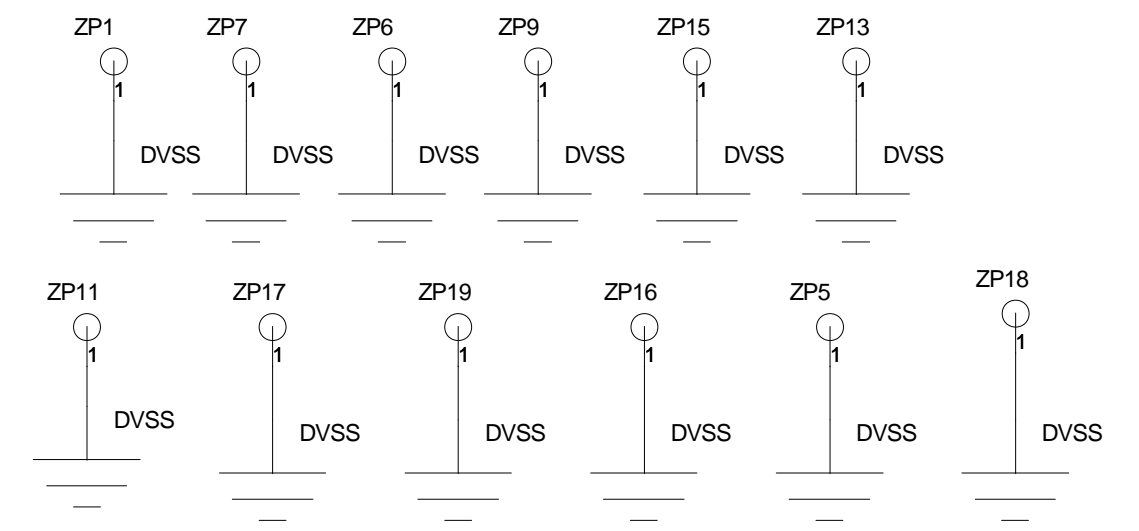
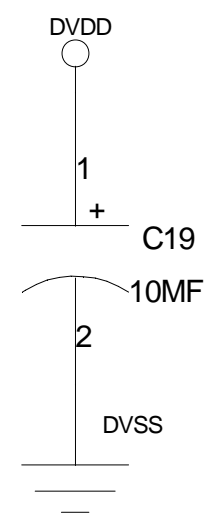
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Technician:	Steve Cooper
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Sheet page number	1
Date & Time	10-18-1995_17:12
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Project	IMR2BD1



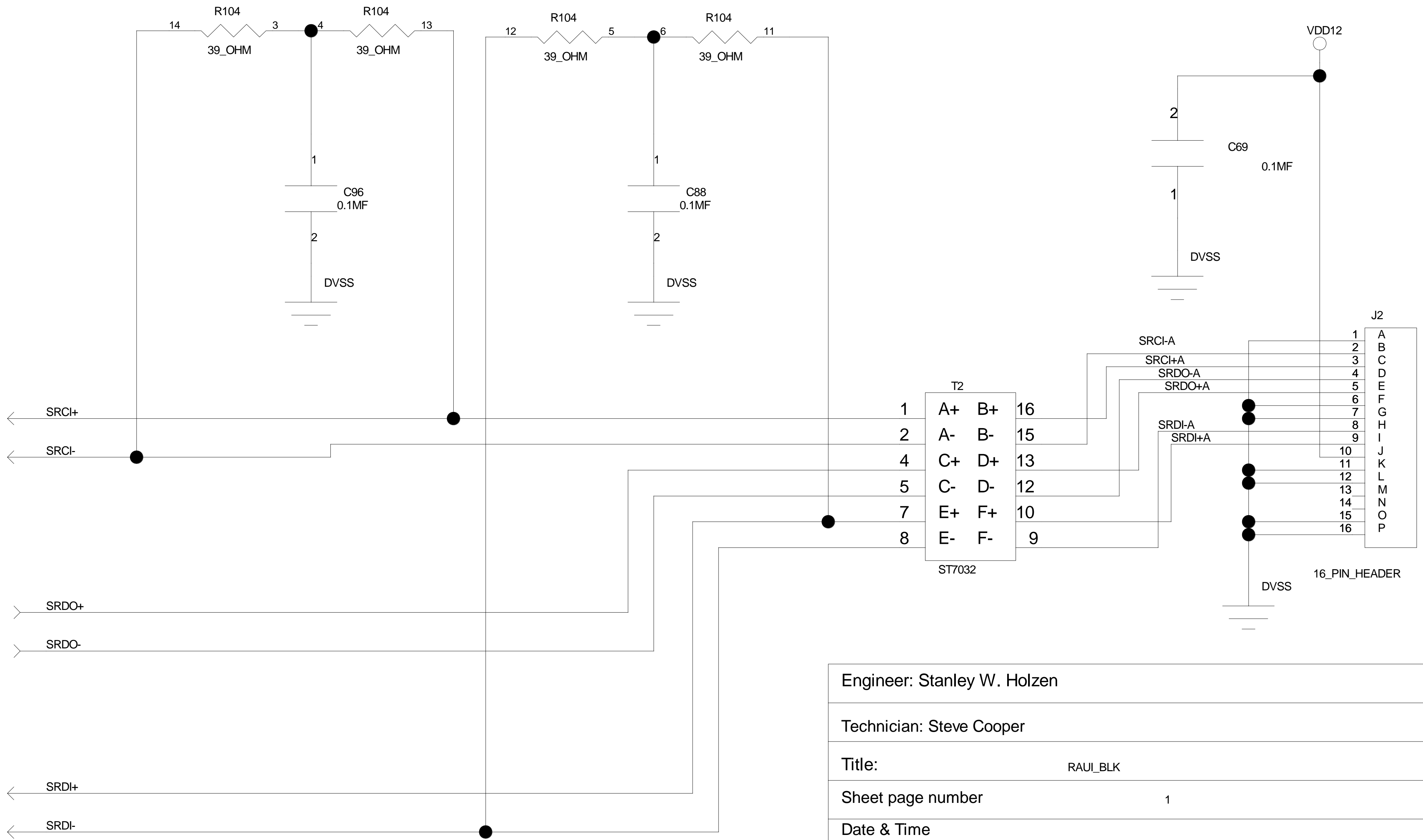
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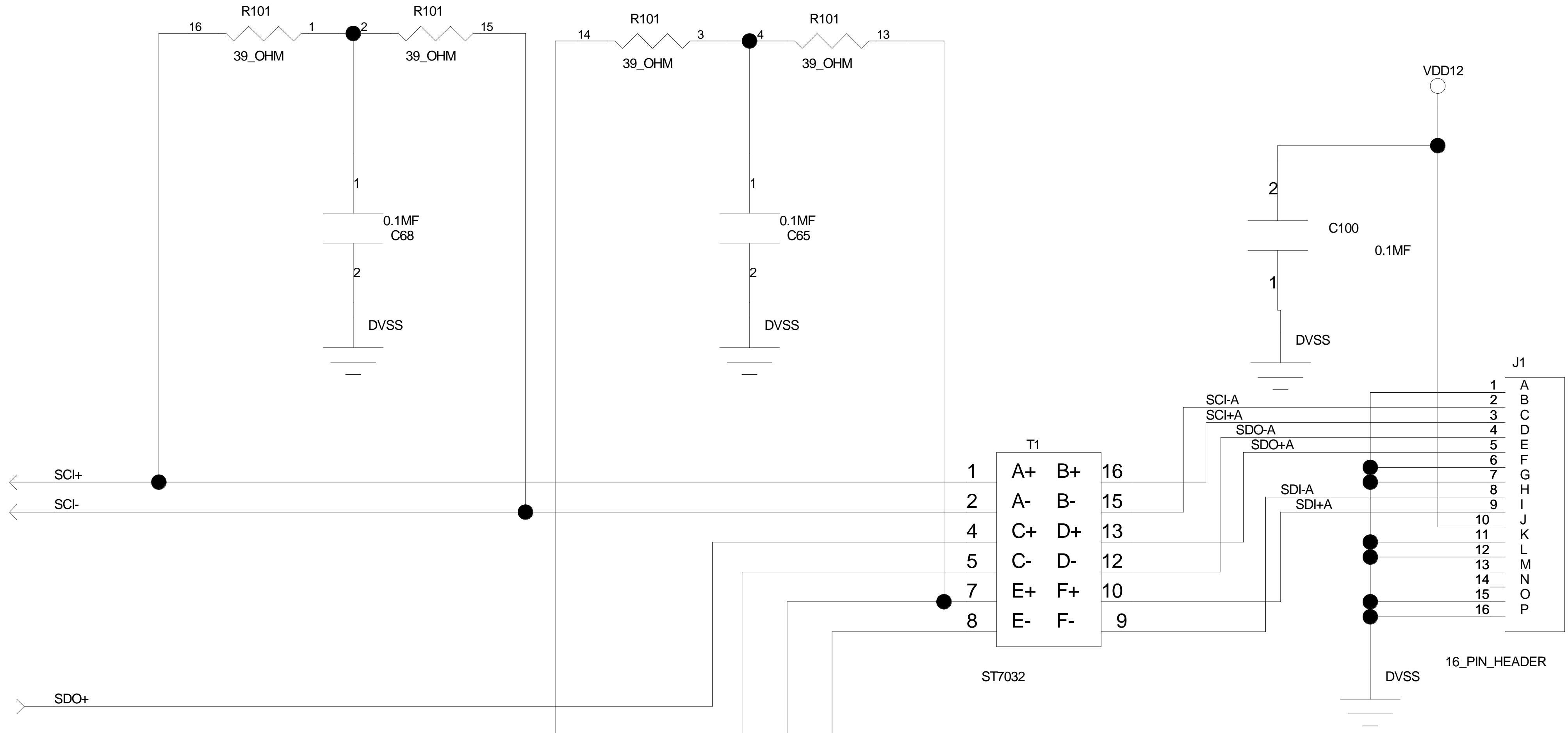
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Technician:	Steve Cooper
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Project	IMR2BD1



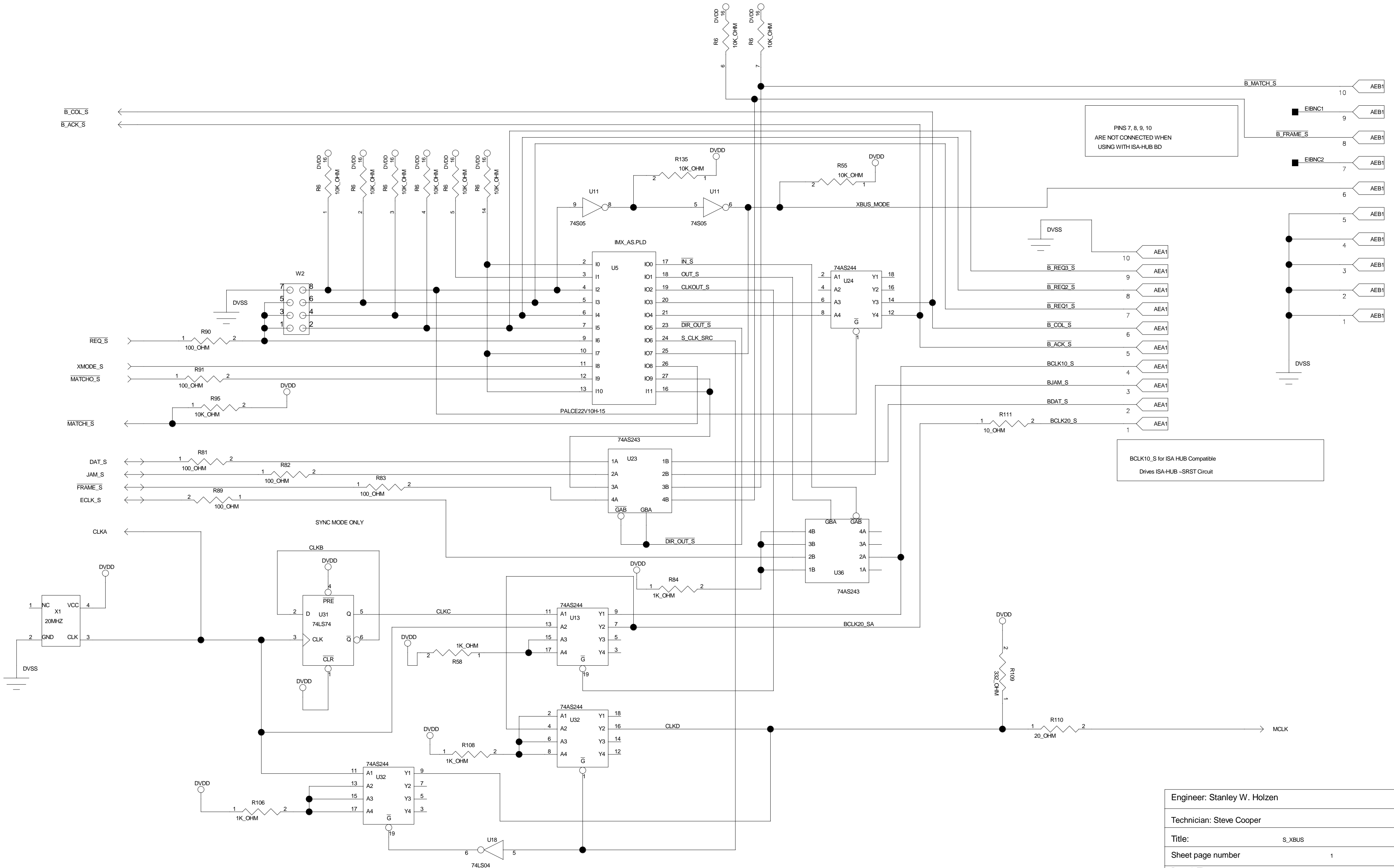
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Project	IMR2BD1



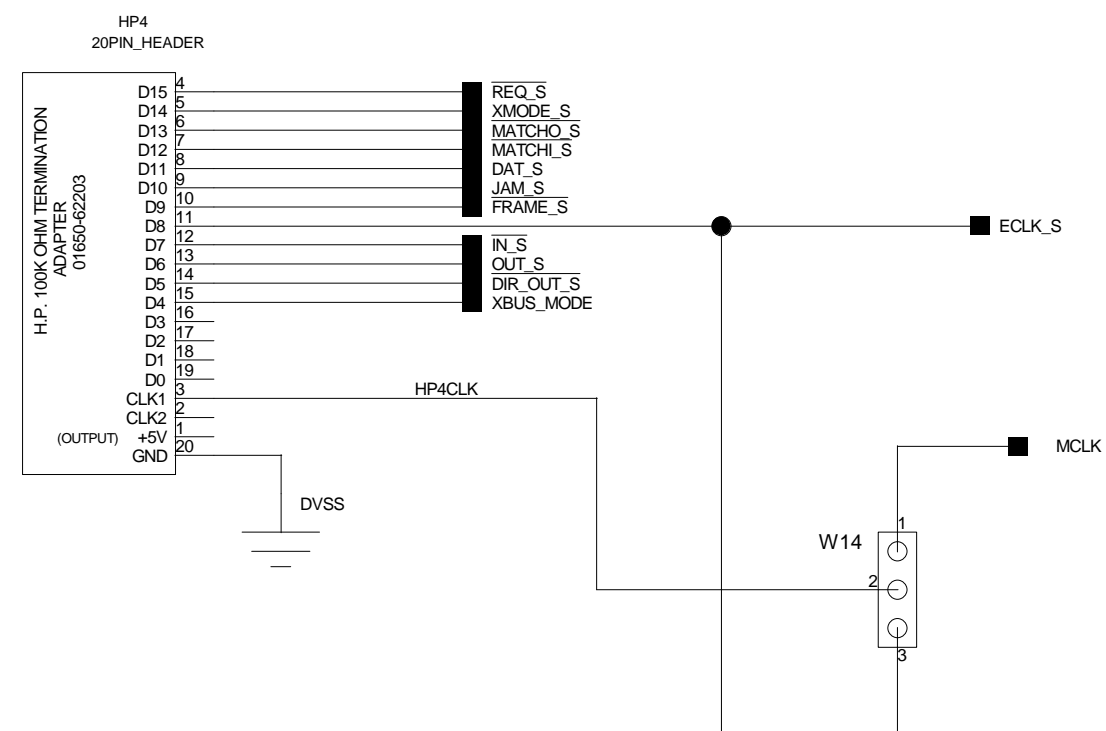
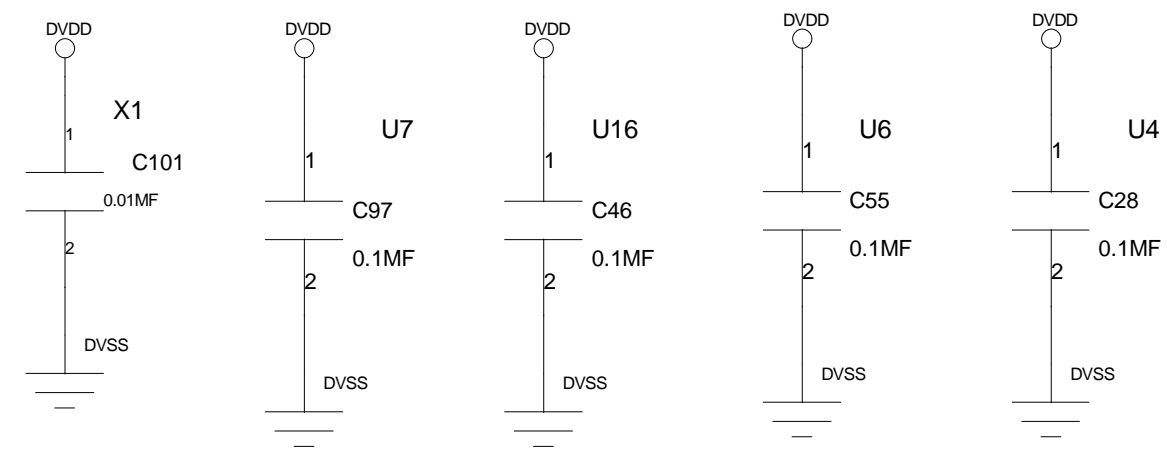
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Technician:	Steve Cooper
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Project	IMR2BD1



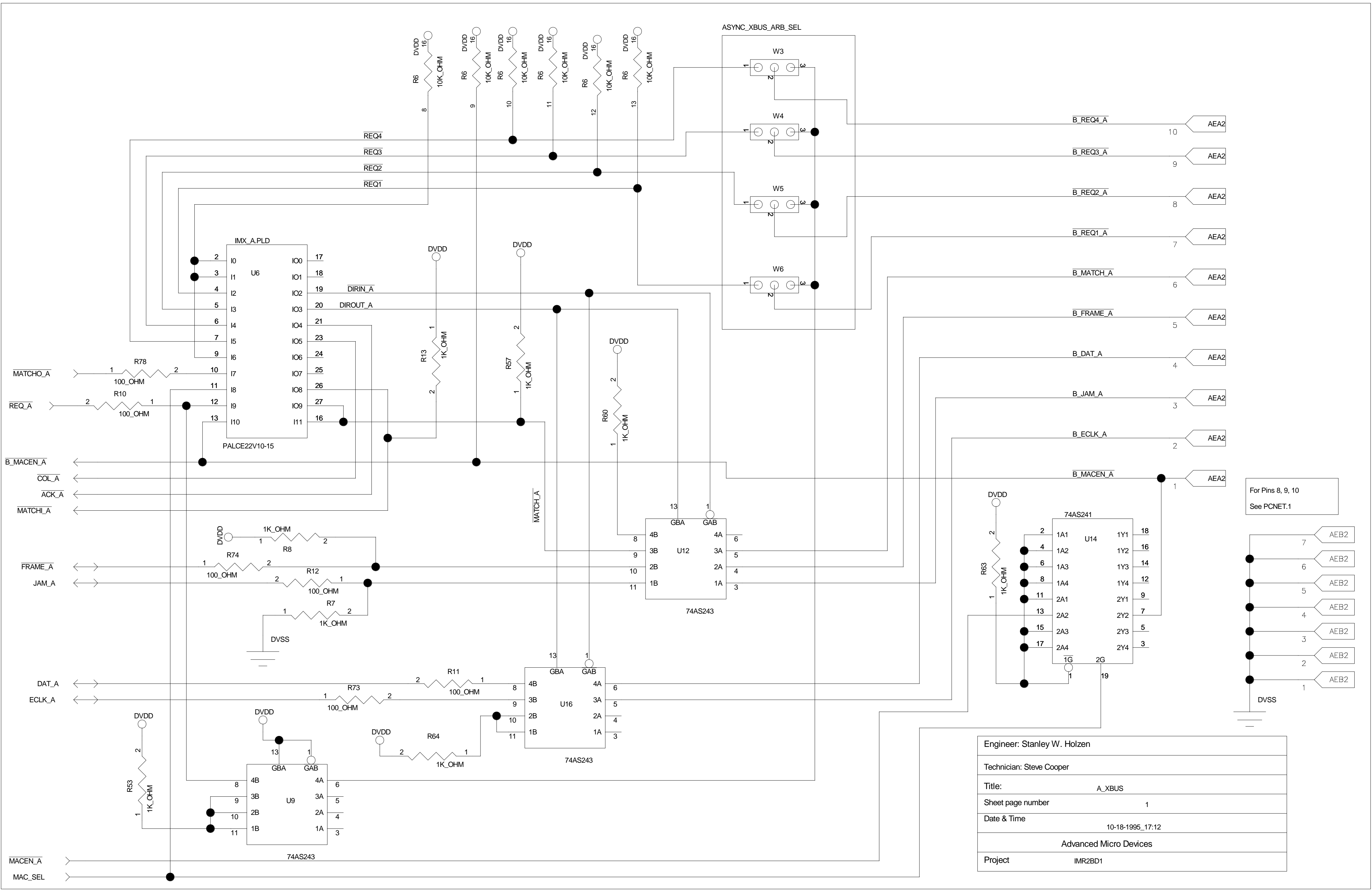
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Project	IMR2BD1



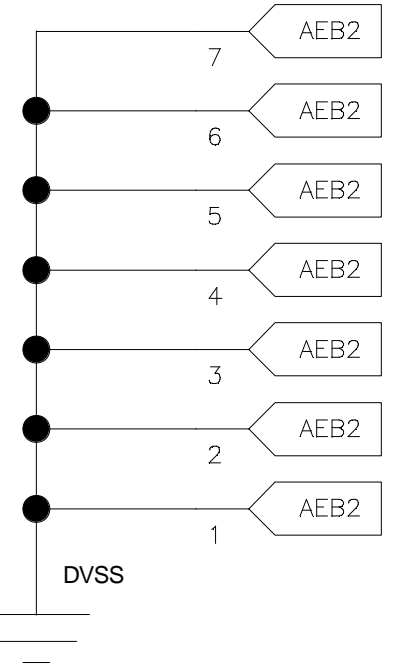
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Technician:	Steve Cooper
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Project	IMR2BD1



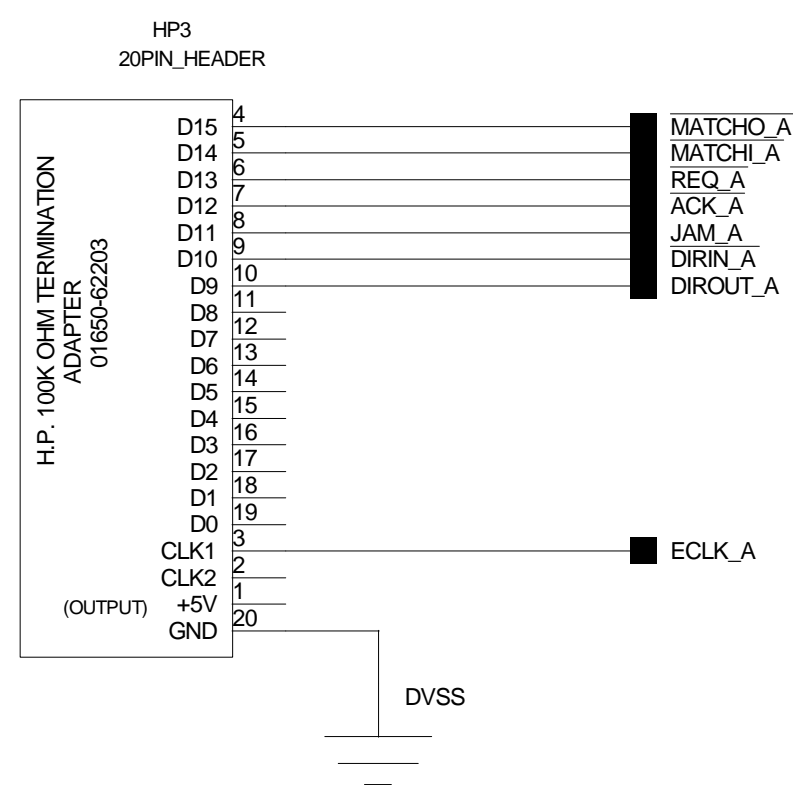
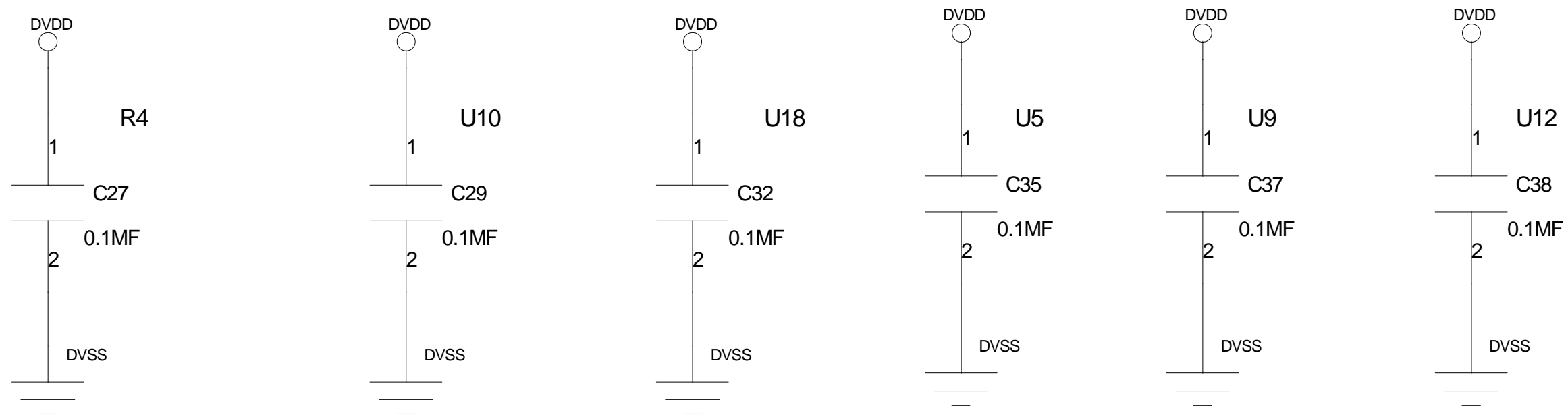
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Technician:	Steve Cooper
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Project	IMR2BD1



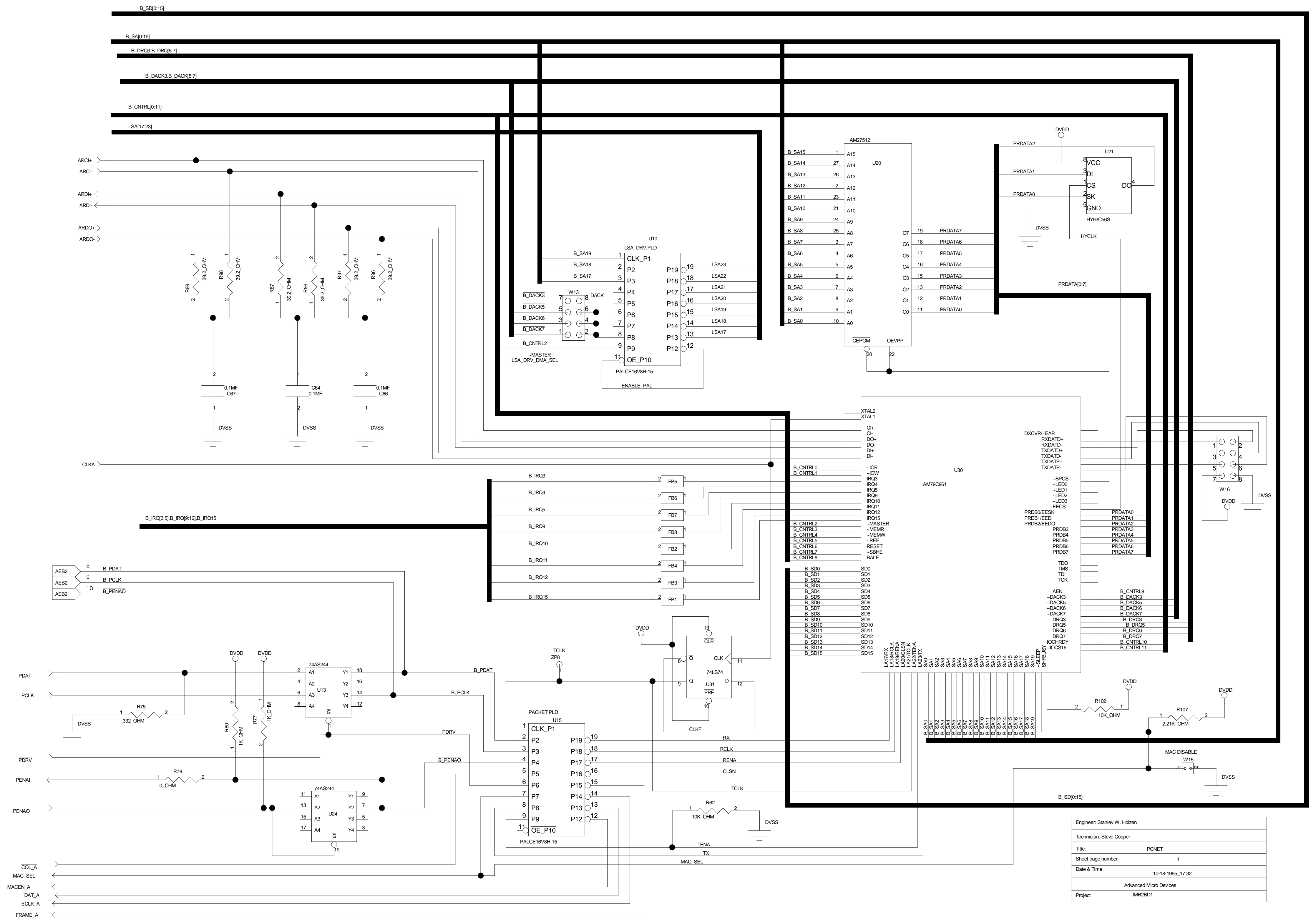
For Pins 8, 9, 10
See PCNET.1



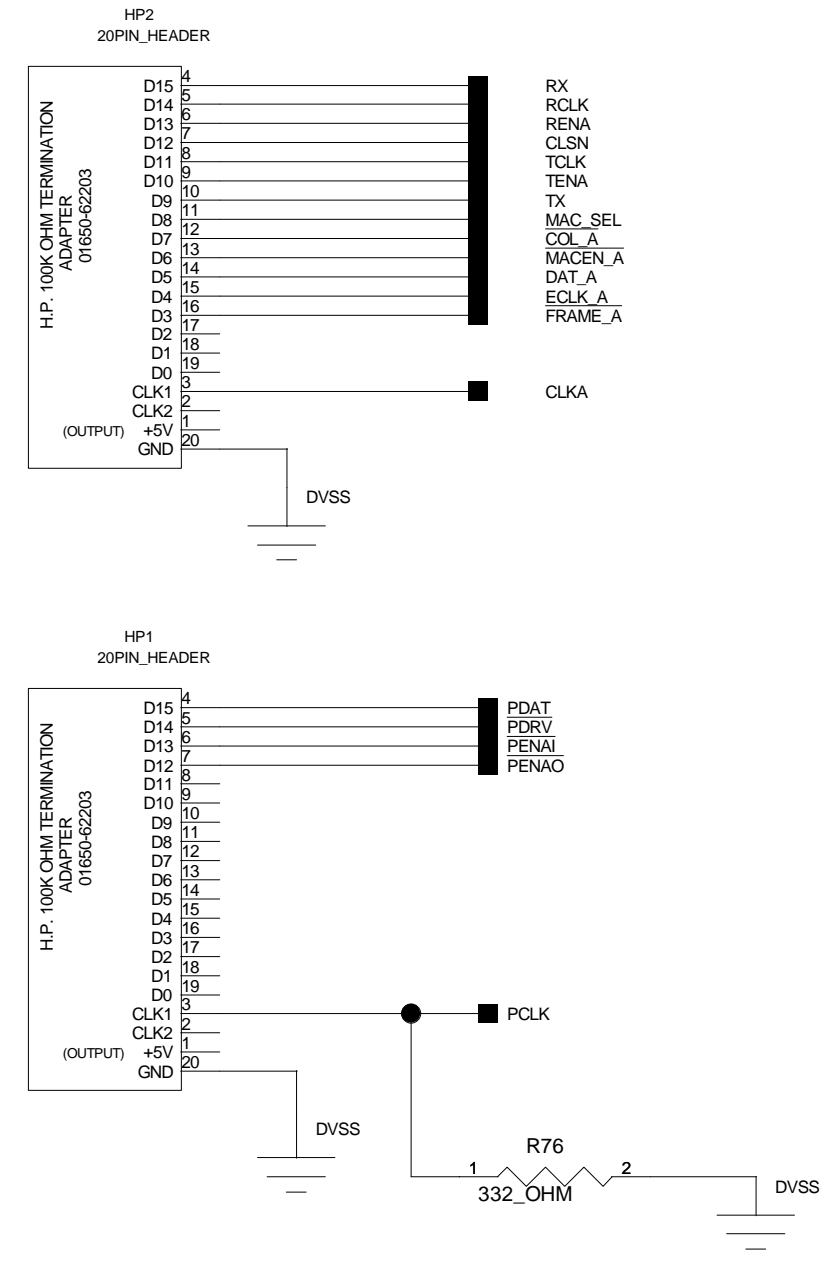
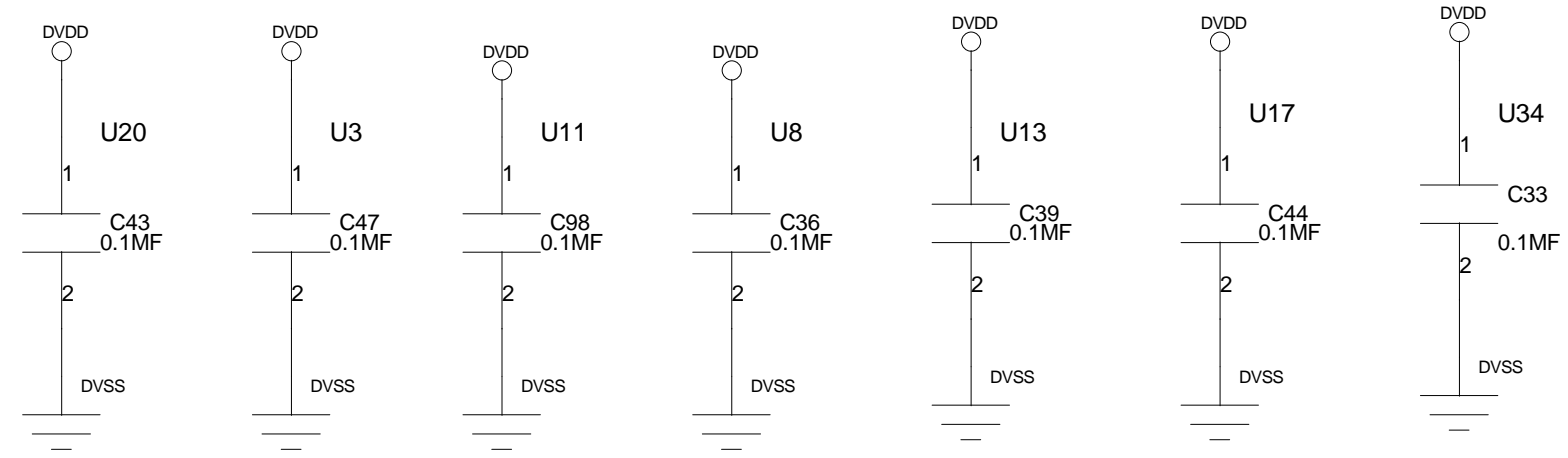
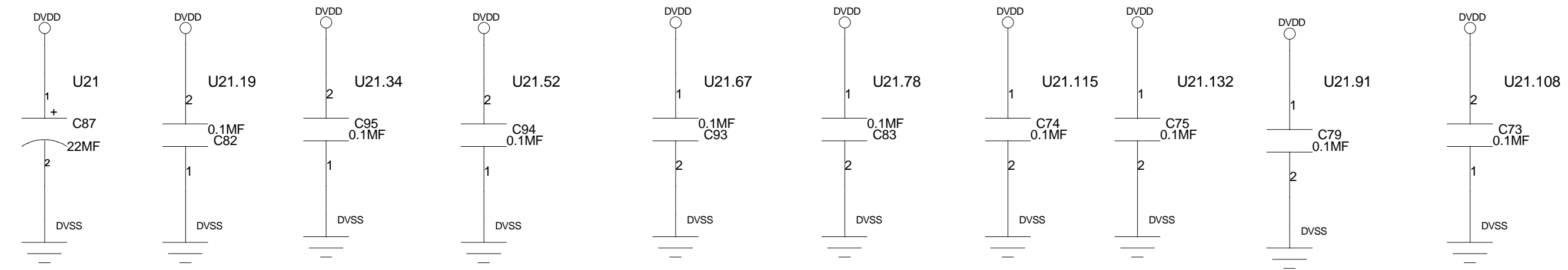
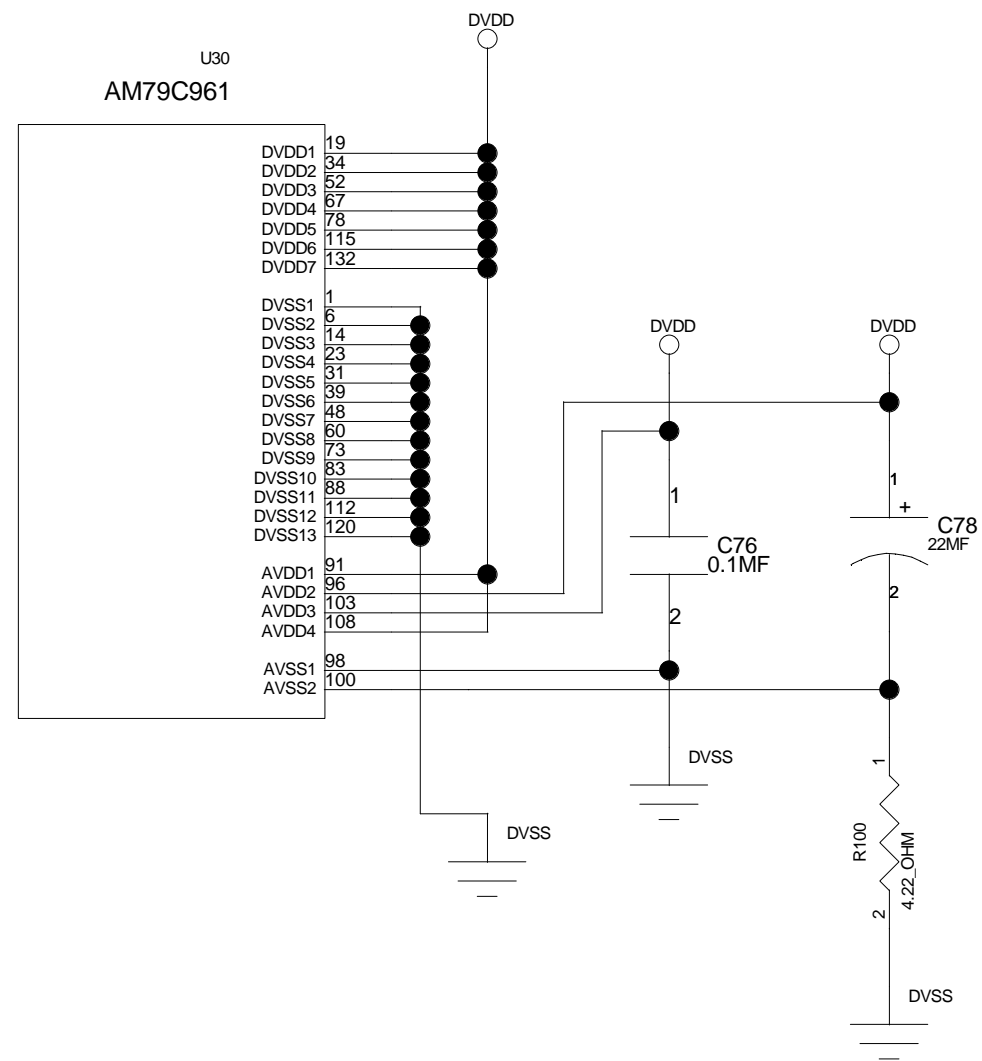
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Technician:	Steve Cooper
Title:	A_XBUS
Sheet page number	1
Date & Time	10-18-1995_17:12
Advanced Micro Devices	
Project	IMR2BD1



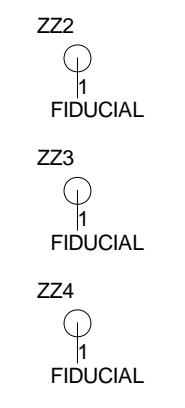
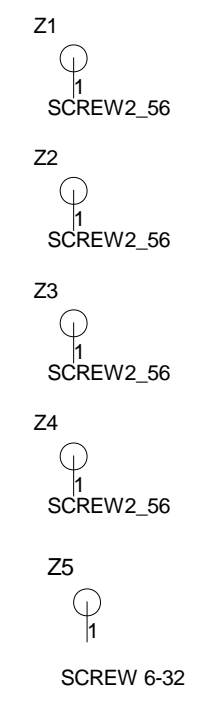
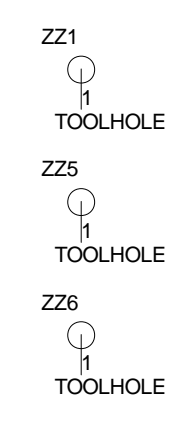
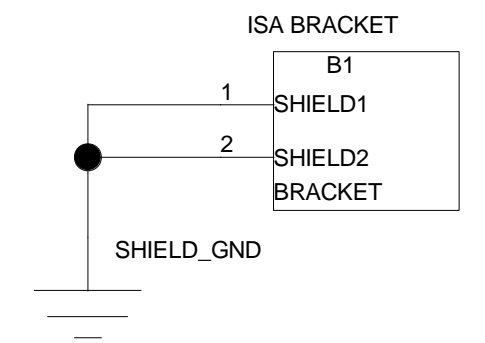
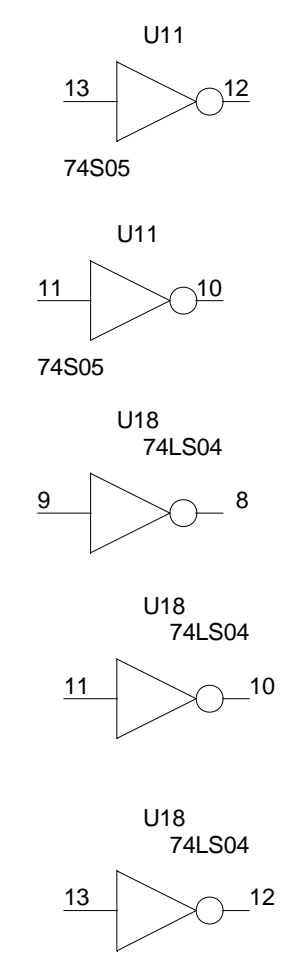
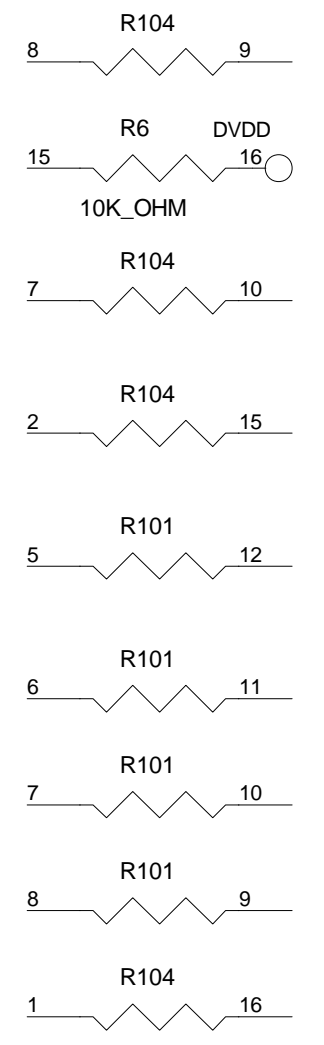
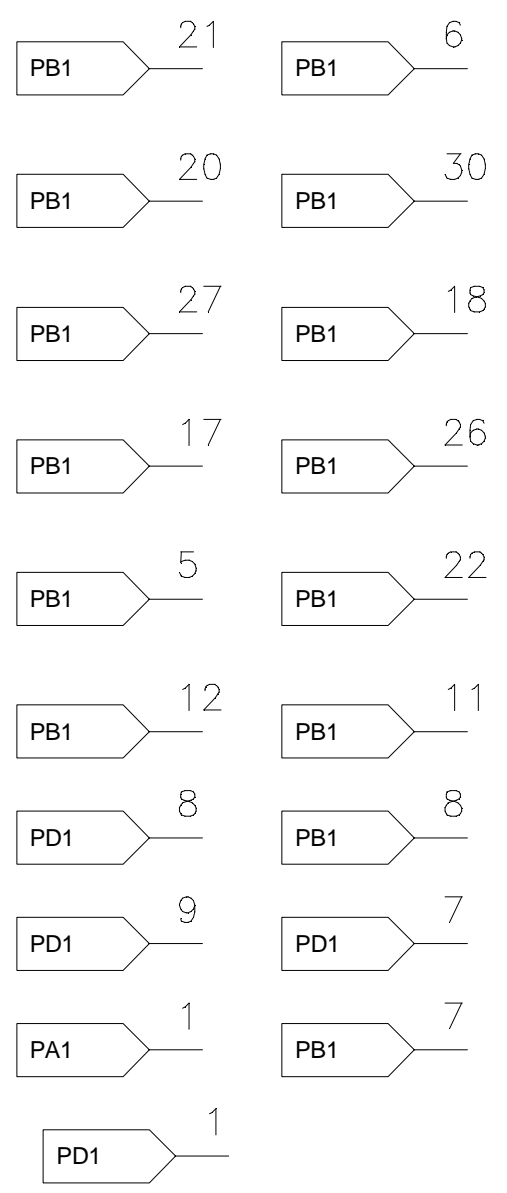
Engineer: Stanley W. Holzen
Technician: Steve Cooper
Title: A_XBUS
Sheet page number 2
Date & Time 10-18-1995_17:12
Advanced Micro Devices
Project IMR2BD1



Engineer:	Stanley W. Holzen
Technician:	Steve Cooper
Title:	PCNET
Sheet page number:	1
Date & Time:	10-18-1995, 17:32
Advanced Micro Devices	
Project:	IMR2BD1



Engineer:	Stanley W. Holzen
Technician:	Steve Cooper
Title:	PCNET
Sheet page number	2
Date & Time	10-18-1995_17:12
Advanced Micro Devices	
Project	IMR2BD1



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IMR2BD PC BOARD BILL OF MATERIAL LIST REV 4 IMR2BD_E

Reference	Qty	Device	Device Description	Package	Vendor A	Vendor A PN	POPULATION Option
J1 J2	2	16_Pin_Header	16 PIN RIGHT ANGLE HEADER	16PRHEAD	3M	2516-5002-UG	
ZP1 ZP2 ZP3 ZP4 ZP5 ZP6 ZP7 ZP8 ZP9 ZP10 ZP11 ZP12 ZP13 ZP14 ZP15 ZP16 ZP17 ZP18 ZP19	19	P.C. PIN	:P.C. Pin	TP1	Concord	10-8025-2-03	
R1 R2 R3 R4	4	Resistor Network	16PIN ISOLATED, 100 OHM RESISTOR NETWORK	16PSOJIC	BOURNS	4816P-001-101	
R101 R104	2	Resistor Network	16PIN ISOLATED, 39 OHM RESISTOR NETWORK	16PSOJIC	BOURNS	4816P-001-390	
R6	1	Resistor Network	16PIN BUSSED, 10K OHM RESISTOR NETWORK	16PSOJIC	BOURNS	4816P-002-103	
U14	1	IC	OCTAL BUFFER/LINE DRIVER/LINE RECEIVER	20PSOLIC	MOTOROLA	SN74LS241DW	
U9 U12 U16 U23 U36	5	IC	QUAD BUS TRANSCEIVER 3 STATE NON-INVERTING	14PSOIC	TEXAS INSTRUMENTS	SN74AS243D	
U13 U24 U32	3	IC	OCTAL BUFFER/LINE DRIVER 3 STATE OUTPUTS	20PSOLIC	TEXAS INSTRUMENTS	SN74AS244DW	
U1 U2 U3 U4	4	IC	DUAL 4-BIT D-TYPE LATCH	24PSOLIC	NATIONAL SEMICONDUCTOR	DM74ALS873BWM	
U18	1	IC	HEX INV	14PSOIC	TEXAS	SN74LS04D	

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IMR2BD PC BOARD BILL OF MATERIAL LIST REV 4 IMR2BD_E

Reference	Qty	Device	Device Description	Package	Vendor A	Vendor A PN	POPULATION Option
					INTRAMENTS		
U31 U37	2	IC	DUAL D-TYPE POSITIVE-EDGE TRIGGERED FLIP FLOP	14PSOIC	TEXAS INSTRUMENTS	SN74LS74AD	
U28 U38	2	IC	1-OF-8 DATA SELECTOR/MULTI PLEXER	16PSOIC	TEXAS INSTRUMENTS	SN74LS151D	
U22 U25 U27	3	IC	OCTAL BUS TRANSCEIVER 3 STATE OUTPUTS	20PSOLIC	TEXAS INSTRUMENTS	SN74LS245DW	
U19	1	IC	OCTAL D-TYPE FLIP-FLOP	20PSOLIC	SIGNETICS	N74LS273DW	
U11	1	IC	HEX INV OC	14PSOIC	TEXAS INSTRUMENTS	SN74S05D	
U39 U40 U41	3	IC	CMOS SERAIL EEPROM	8DIP	MICROCHIP	93LC46/P	Do not populate
U20	1	IC	64K X 8 BIT CMOS EPROM	DIP28\300	ADVANCED MICRO DEVICES	AM27C512	Do not populate
U20	1	SOCKET	28 PIN DIP 300MILS	DIP28\300	ADVANCED INTERCONNECTION	LS32801TG	
U30	1	IC		132PQFP	ADVANCED MICRO DEVICES	AM79C961KC1W	
U26 U29	2	IC		132PQFP	ADVANCED MICRO DEVICES	AM79C983KC1W	
U33 U34 U35	3	IC	QUAD Transsciever	AMP44PLCC	ADVANCED MICRO DEVICES	AM79C988JC	
U33 U34 U35	3	SOCKET	44 PIN PLCC	AMP44PLCC	AMP	822068-4	
J3 J4 HP1 HP2 HP3 HP4	6	HEADER	AMP SMD 20 PIN HEADER	AMP20SMD	AMP	AMP104549-2	
J5	1	CONNECTOR	SUBMINIATURE D	AMP749830-5	AMP	AMP749830-5	

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IMR2BD PC BOARD BILL OF MATERIAL LIST REV 4 IMR2BD_E

Reference	Qty	Device	Device Description	Package	Vendor A	Vendor A PN	POPULATION Option
			TYPE 50 PIN CONNECTOR				
C101 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118 C119 C120 C121	16	CAPACITOR	0.01MF COG CERAMIC CAPACIT	CC1812	KEMET	C1812C103J5GAC	
C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15	12	CAPACITOR	47PF CGO CERAMIC CAPACITOR	RC1206	KEMET	C1206C470K5GAC	do not populate
C1 C2 C3 C16	4	CAPACITOR	47MF ELECTROLYTIC CAPACITOR	515D	SPRAQUE	515D476M016AW6A	
FB1 FB2 FB3 FB4 FB5 FB6 FB7 FB8	8	FERRITE	SM FERRITE BEAD MATERIAL 43	FB2	Fair-Rite	2743021447	
B1	1	BRACKET	ISA METAL BRACKET	G9046	GLOBE	G342(G9046-0017)	
B1	2	SCREWS	4-40 x 3/16 TAP	?	?	?	
LED1 LED2 LED3 LED4 LED5 LED6 LED7 LED8 LED9 LED10 LED11 LED12 LED13 LED14 LED15 LED16	16	LED	GREEN/GREEN BILEVEL LED	GG_BILEVEL	DIALIGHT	553-0222	
U21	1	IC	CMOS SERAIL EEPROM	DIP8	HYUNDAI	HY93C56S	
U21 U39 U40 U41	4	SOCKET	8 PIN DIP SOCKET	DIP8	AUGOT	808-AG10D	only populate U21

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IMR2BD PC BOARD BILL OF MATERIAL LIST REV 4 IMR2BD_E

Reference	Qty	Device	Device Description	Package	Vendor A	Vendor A PN	POPULATION Option
W1 W15	2	JUMPER	2 PIN JUMPER	JUMP2	AMP	4-103240-0	
W3 W4 W5 W6 W8 W9 W11 W12 W14	9	JUMPER	3 PIN JUMPER	JUMP3	AMP	4-103240-0	
W7	1	JUMPER	4 PIN JUMPER	JUMP4	AMP	4-103240-0	
W10	1	JUMPER	6 PIN JUMPER	JUMP6	AMP	4-103240-0	
W2 W13 W16 W17	4	JUMPER	8 PIN JUMPER	JUMP8	AMP	4-103240-0	
W1 W2 W3 W4 W5 W6 W7 W8 W9 W10 W11 W12 W13 W14 W15 W16 W17	17	SHUNT	SHUNT	N/A	MOLEX	15-38-1024	see installation listing at end of section
U7 U10 U15	3	IC	PROGRAMMABLE ARRAY LOGIC (PAL)	AMP20PLCC	ADVANCED MICRO DEVICES	PALCE16V8H-15JC	
U7 U10 U15	3	SOCKET	20 PIN PLCC SOCKET	AMP20PLCC	AMP	822068-4	Do not populate
U5 U6 U8 U17	4	IC	EPROM Programmable Array Logic (PAL) ELEM	AMP28PLCC	ADVANCED MICRO DEVICES	PALCE22V10H-15/JC	
U5 U6 U8 U17	4	SOCKET	28 PINPLCC SOCKET	AMP28PLCC	AMP	822066-4	Do not populate
R10 R11 R12 R28 R30 R32 R34 R36 R38 R40 R42 R44 R46 R48 R50 R73 R74 R78 R81 R82 R83 R89 R90 R91	24	RESISTOR	100 OHM RESISTOR 1%	RC1206	DALE	CRWC12061000F	
R121 R122 R123 R124 R125 R126 R127	12	RESISTOR	110 OHM RESISTOR 1%	RC1206	DALE	CRWC12061100F	

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IMR2BD PC BOARD BILL OF MATERIAL LIST REV 4 IMR2BD_E

Reference	Qty	Device	Device Description	Package	Vendor A	Vendor A PN	POPULATION Option
R128 R129 R130 R131 R132							
R110	1	RESISTOR	20 OHM RESISTOR 1%	RC1206	DALE	CRWC120620RFF	
R111	1	RESISTOR	20 OHM RESISTOR 1%	RC1206	DALE	CRWC120610RFF	
R007 R008 R009 R013 R014 R015 R052 R053 R054 R057 R058 R060 R061 R063 R064 R065 R066 R067 R068 R069 R070 R071 R072 R077 R080 R084 R092 R093 R094 R105 R106 R108 R133	33	RESISTOR	1K OHM RESISTOR 1%	RC1206	DALE	CRCW12061001F	
R55 R62 R95 R102	4	RESISTOR	10K OHM RESISTOR 1%	RC1206	DALE	CRCW12061002F	
R117 R118 R120	3	RESISTOR	13K OHM RESISTOR 1%	RC1206	DALE	CRCW12061302F	
R107	1	RESISTOR	2.21K OHM RESISTOR 1%	RC1206	DALE	CRCW12062211F	
R75 R76 R109	3	RESISTOR	332 OHM RESISTOR 1%	RC1206	DALE	CRCW12063320F	
R5 R79 R88 R112 R113 R114 R134	7	RESISTOR	0 OHM RESISTOR 1%	RC1206	DALE	CRCW1206000J	Do not install R134
R86 R87 R96 R97 R98 R99	6	RESISTOR	39.2 OHM RESISTOR 1%	RC1206	DALE	CRCW120639R2F	
R115 R116 R119	3	RESISTOR	3.92 OHM RESISTOR 1%	RC1206	DALE	CRCW120639X2F	
R85 R100 R103	3	RESISTOR	4.22 OHM	RC1206	DALE	CRCW120642X2F	

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IMR2BD PC BOARD BILL OF MATERIAL LIST REV 4 IMR2BD_E

Reference	Qty	Device	Device Description	Package	Vendor A	Vendor A PN	POPULATION Option
			RESISTOR 1%				
R59	2	RESISTOR	49.9 OHM RESISTOR 1%	RC1206	DALE	CRCW120649R9F	
Z1 Z2 Z3 Z4	4	SCREW	SCREW 2-56 x 3/4 Machine Round Head Steel plated		CONCORD	701-7006	
Z1 Z2 Z3 Z4	4	NUT	Hex NUT 2-56 x3/16 x 1/16 Steel plated		CONCORD	701-7352	
T1 T2	2	TRANSFORMER	LAN TRANSFORMER	16PSOLIC	Valor	ST7032	
C18 C20 C25	3	CAPACITOR	1MF TANTALUM CAPCITOR	[A]3216	Sprague	293D105X916A2T	
C19 C24	2	CAPACITOR	10MF TANTALUM CAPCITOR	[C]6032	Sprague	293D106X9016C2T	
C53 C54 C78 C80 C81 C87	6	CAPACITOR	22MF TANTALUM CAPCITOR	[C]6032	Sprague	293D226X9016C2T	
T3 T4 T5	3	TRANSFORMER	QUAD TRANSFORMER	TOURMALINE	Pulse Engineering or HALO	PE-68049 TGS9-S020NX	
X1	1	XTAL	20MHZ HALF SIZE CLOCK CRYSTAL	XSTAL_H8P	MF ELECTRONICS CORP	H1280-20M	
X1	4	SOCKET PIN	MINI SPRING SOCKET		AMP	50935-1	do not populate
C021 C022 C023 C026 C027 C028 C029 C030 C031 C032 C033 C034	91	CAPACITOR	0.1MF X7R CERAMIC CAPACITOR	RC1206	KEMET	C1206C104K5RAC	

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IMR2BD PC BOARD BILL OF MATERIAL LIST REV 4 IMR2BD_E

Reference	Qty	Device	Device Description	Package	Vendor A	Vendor A PN	POPULATION Option
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C035	C036	C037					
C038	C039	C040					
C041	C042	C043					
C044	C045	C046					
C047	C048	C049					
C050	C051	C052					
C055	C056	C057					
C058	C059	C060					
C061	C062	C063					
C064	C065	C066					
C067	C068	C069					
C070	C071	C072					
C073	C074	C075					
C076	C077	C079					
C082	C083	C084					
C085	C086	C088					
C089	C090	C091					
C092	C093	C094					
C095	C096	C097					
C098	C099	C100					
C102	C103	C104					
C105	C106	C122					
C123	C124	C125					
C126	C127	C128					
C129	C130	C131					
C132	C133	C134					
C135							

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IMR2BD PC BOARD BILL OF MATERIAL LIST REV 4 IMR2BD_E

Reference	Qty	Device	Device Description	Package	Vendor A	Vendor A PN	POPULATION Option
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IMR2BD REV 4 IMR2BD_E POPULATION see installation listing;

Default Jumper Installation

W1			installed
W2		position 7-8	installed
W3,W4,W5		position 1-2	installed
W6		positon 2-3	installed
W7		positon 1-2,3-4	installed
W8,W9,W11,W12		position 1-2	installed
W10		positon 1-2,3-4,5-6	installed
W13		position 5-6	installed
W14		position 1-2	installed
W15			installed
W16		no jumper blocks installed	
W17		no jumper blocks installed	