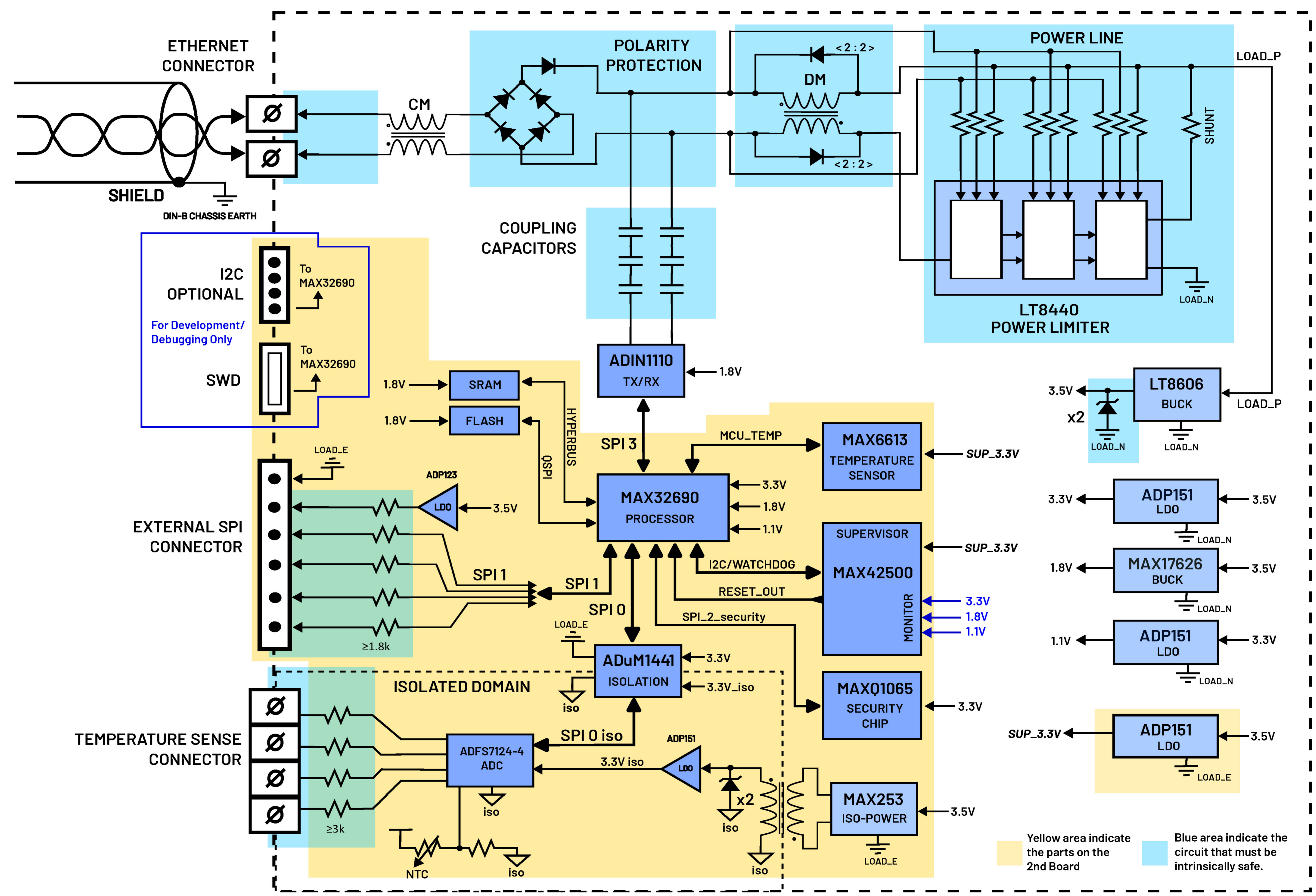




REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

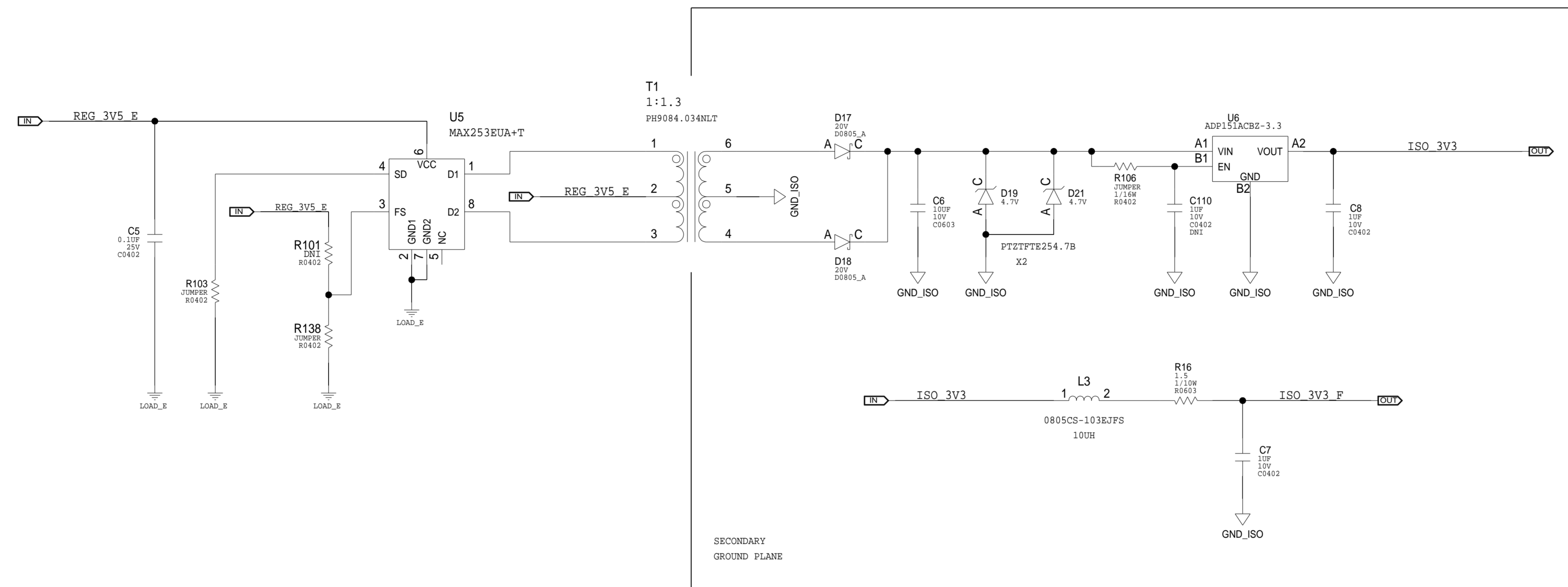
AD-ETHERNETAPLDEVICE-SL - BLOCK DIAGRAM



	SCHEMATIC		
	HW TYPE : Customer Evaluation Z Product(s) : AD7124-4 : MAX32690		
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_083153	REV D	
PTD ENGINEER D. SUDOY	SIZE D	SCALE 1:1	SHEET 2 OF 10

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

# POWER RAILS PATH ISOLATED POWER - MAX253



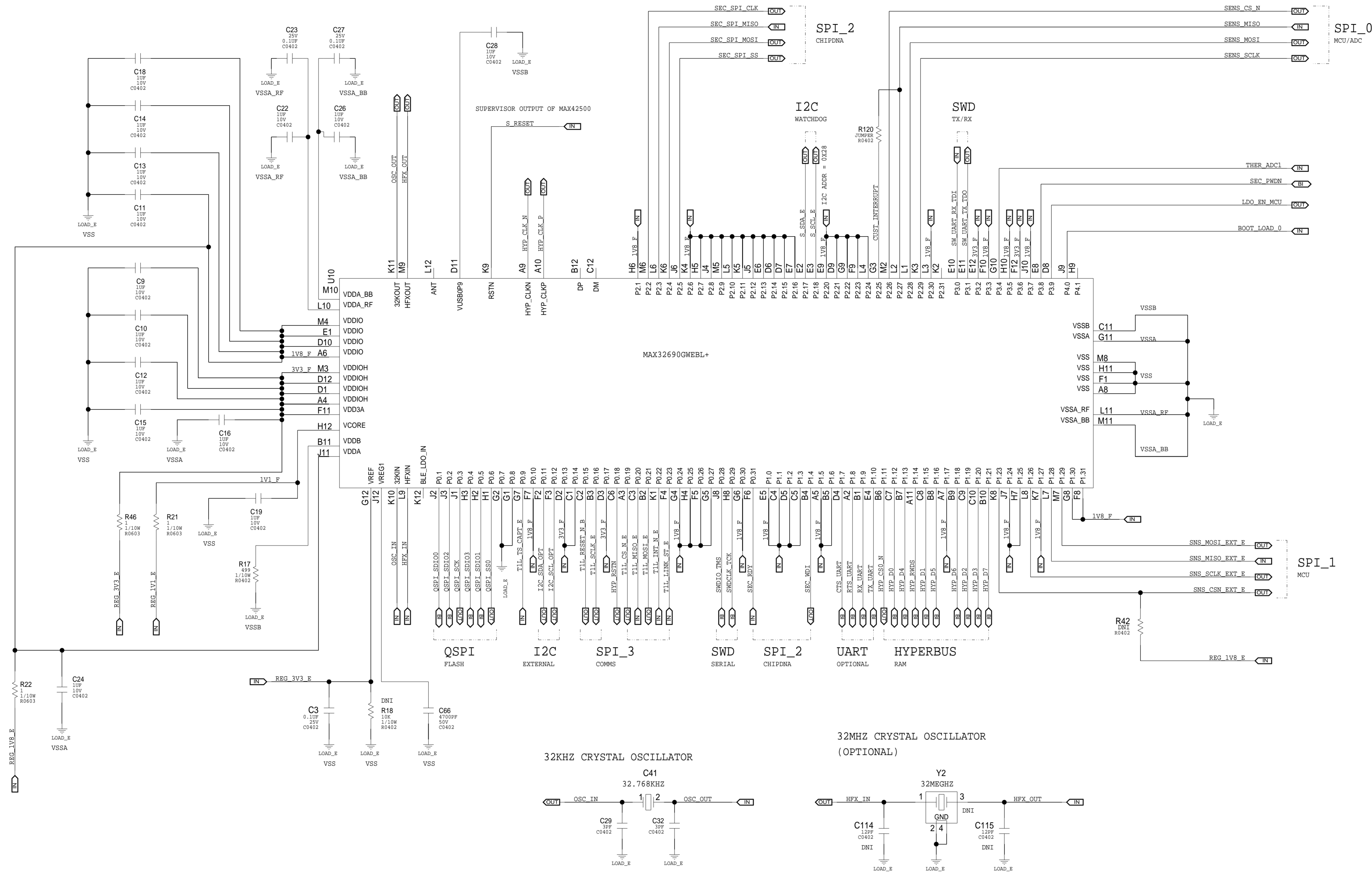
LOAD\_N = GROUND IN 1ST BOARD  
 LOAD\_E = GROUND IN 2ND BOARD  
 ISO\_GND = GROUND FOR ISOLATED CKT

LEGEND:  
 ..... OR ..... 0.7MM MINIMUM CLEARANCE  
 ..... OR ..... INTRINSIC SAFETY SPECS CONSIDERED

	<b>SCHEMATIC</b>		
	HW TYPE : Customer Evaluation Z Product(s): AD7124-4 : MAX32690		
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_083153	REV D	
PTD ENGINEER D. SUDOY	SIZE D	SCALE 1:1	SHEET 3 OF 10

# NETWORK SIGNAL PATH - MCU

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



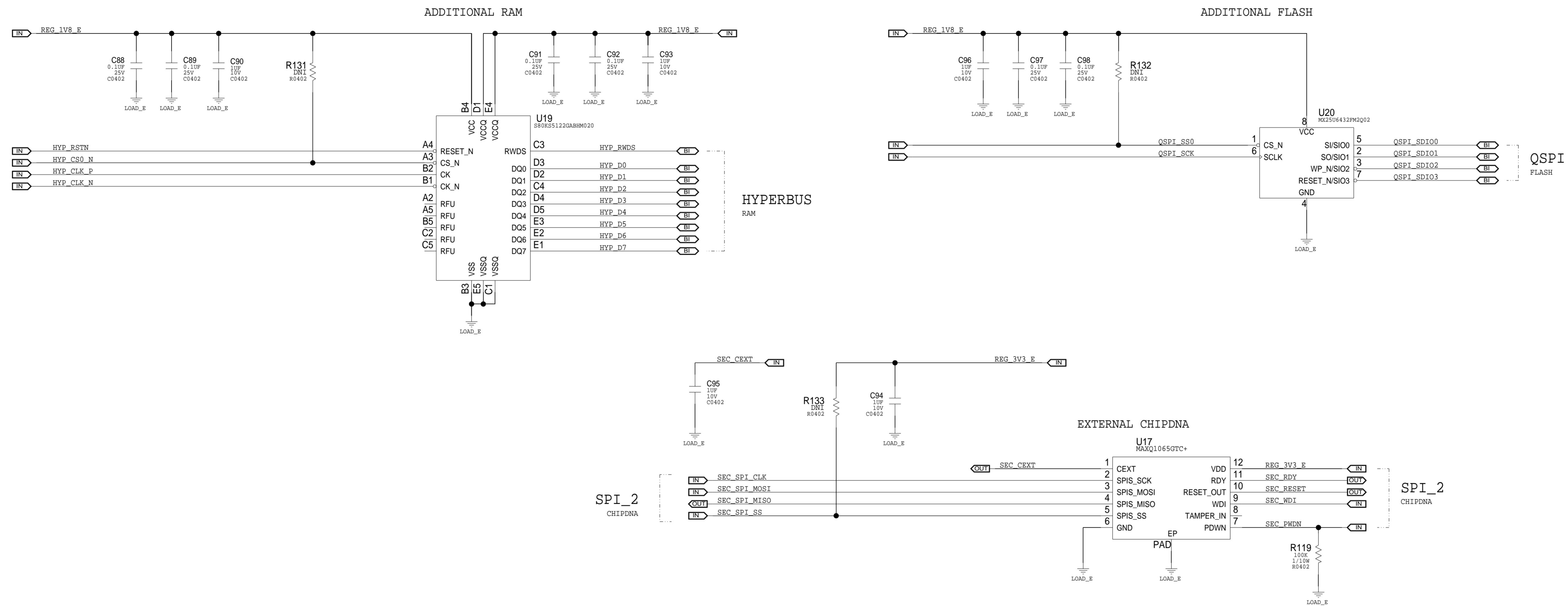
LOAD\_N = GROUND IN 1ST BOARD  
 LOAD\_E = GROUND IN 2ND BOARD  
 ISO\_GND = GROUND FOR ISOLATED CKT

LEGEND:  
 ..... OR --- 0.7MM MINIMUM CLEARANCE  
 --- INTRINSIC SAFETY SPECS CONSIDERED

SCHEMATIC			
		HW TYPE : Customer Evaluation Z Product(s) : AD7124-4 : MAX32690	
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_083153	REV D	
PTD ENGINEER D. SUDOY	SIZE D	SCALE 1:1	SHEET 4 OF 10

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

# NETWORK SIGNAL PATH - UCONTROLLER EXTERNAL RAM, FLASH & CHIPDNA



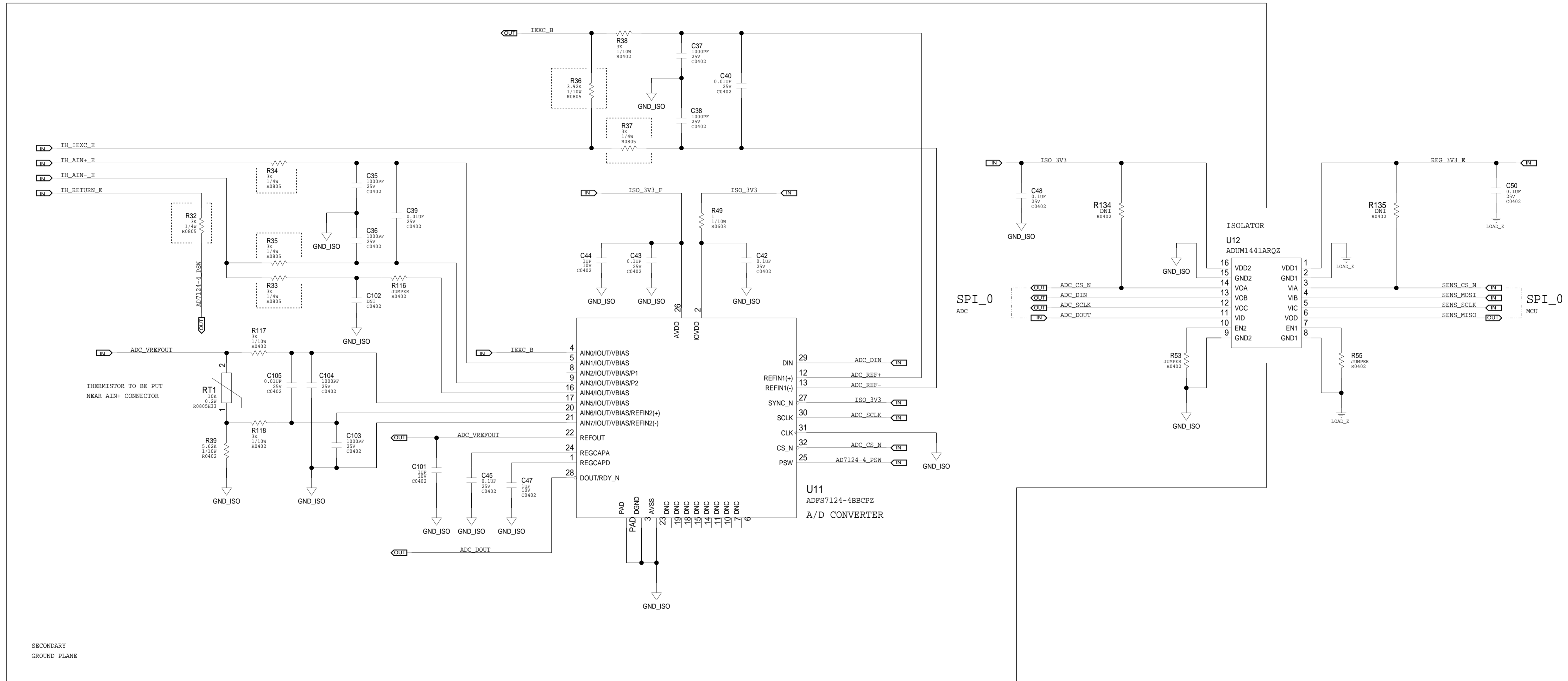
LOAD\_N = GROUND IN 1ST BOARD  
LOAD\_E = GROUND IN 2ND BOARD  
ISO\_GND = GROUND FOR ISOLATED CKT

LEGEND:  
..... OR ..... 0.7MM MINIMUM CLEARANCE  
..... INTRINSIC SAFETY SPECS CONSIDERED

	<b>SCHEMATIC</b>		
	HW TYPE : Customer Evaluation Z Product(s) : AD7124-4 : MAX32690		
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_083153	REV D	
PTD ENGINEER D. SUDOY	SIZE D	SCALE 1:1	SHEET 5 OF 10

# SENSOR SIGNAL AND ISOLATION PATH

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



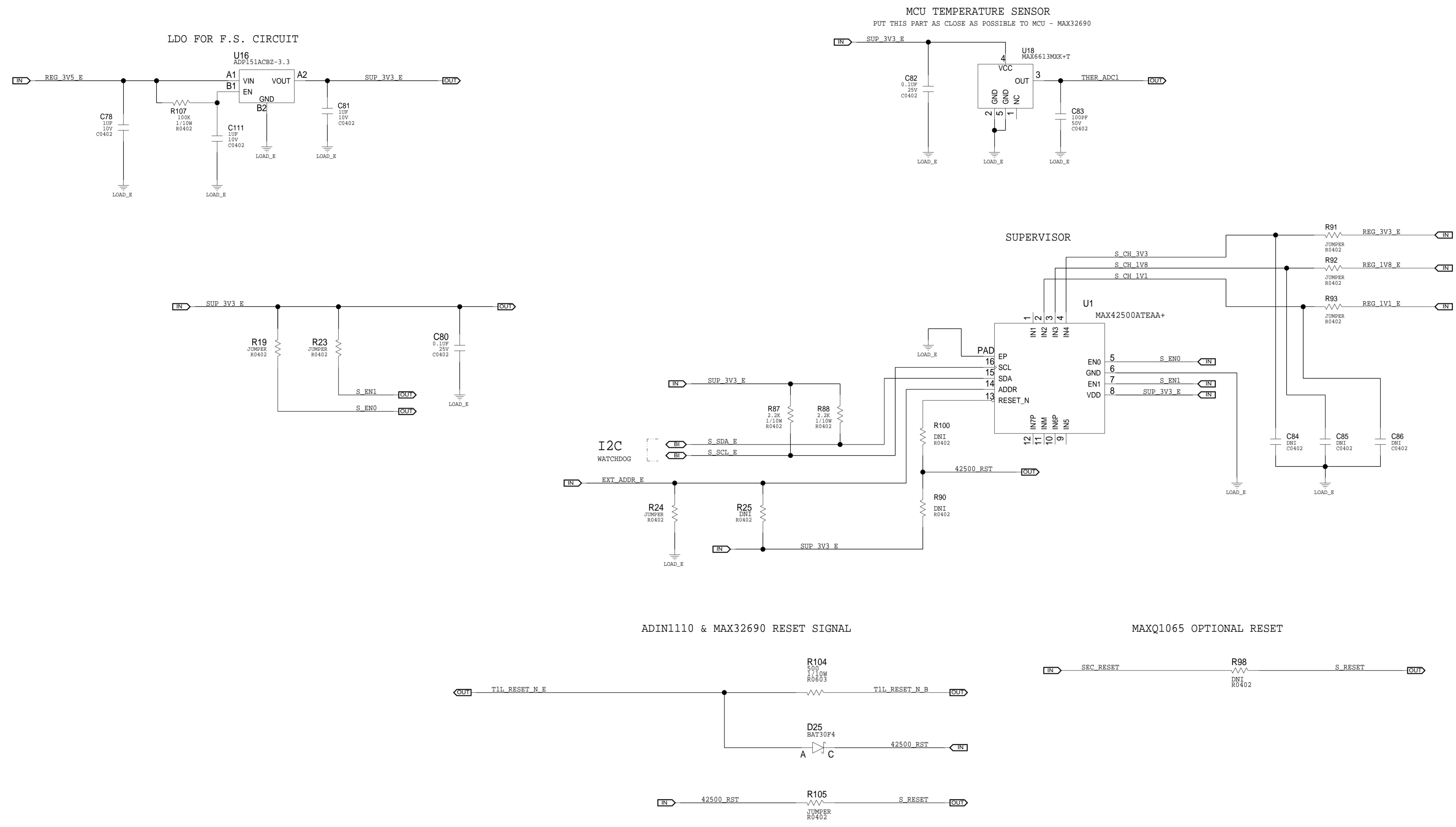
LOAD\_N = GROUND IN 1ST BOARD  
 LOAD\_E = GROUND IN 2ND BOARD  
 ISO\_GND = GROUND FOR ISOLATED CKT

LEGEND:  
 ..... OR : : : 0.7MM MINIMUM CLEARANCE  
 : : : INTRINSIC SAFETY SPECS CONSIDERED

ANALOG DEVICES		SCHEMATIC	
HW TYPE : Customer Evaluation Z Product(s) : AD7124-4 : MAX32690		DESIGN VIEW <DESIGN_VIEW>	REV D
PTD ENGINEER D. SUDOY	DRAWING NO. 02_083153	SCALE 1:1	SHEET 6 OF 10

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

# SUPERVISORY CIRCUIT - MAX42500



LOAD\_N = GROUND IN 1ST BOARD  
 LOAD\_E = GROUND IN 2ND BOARD  
 ISO\_GND = GROUND FOR ISOLATED CKT

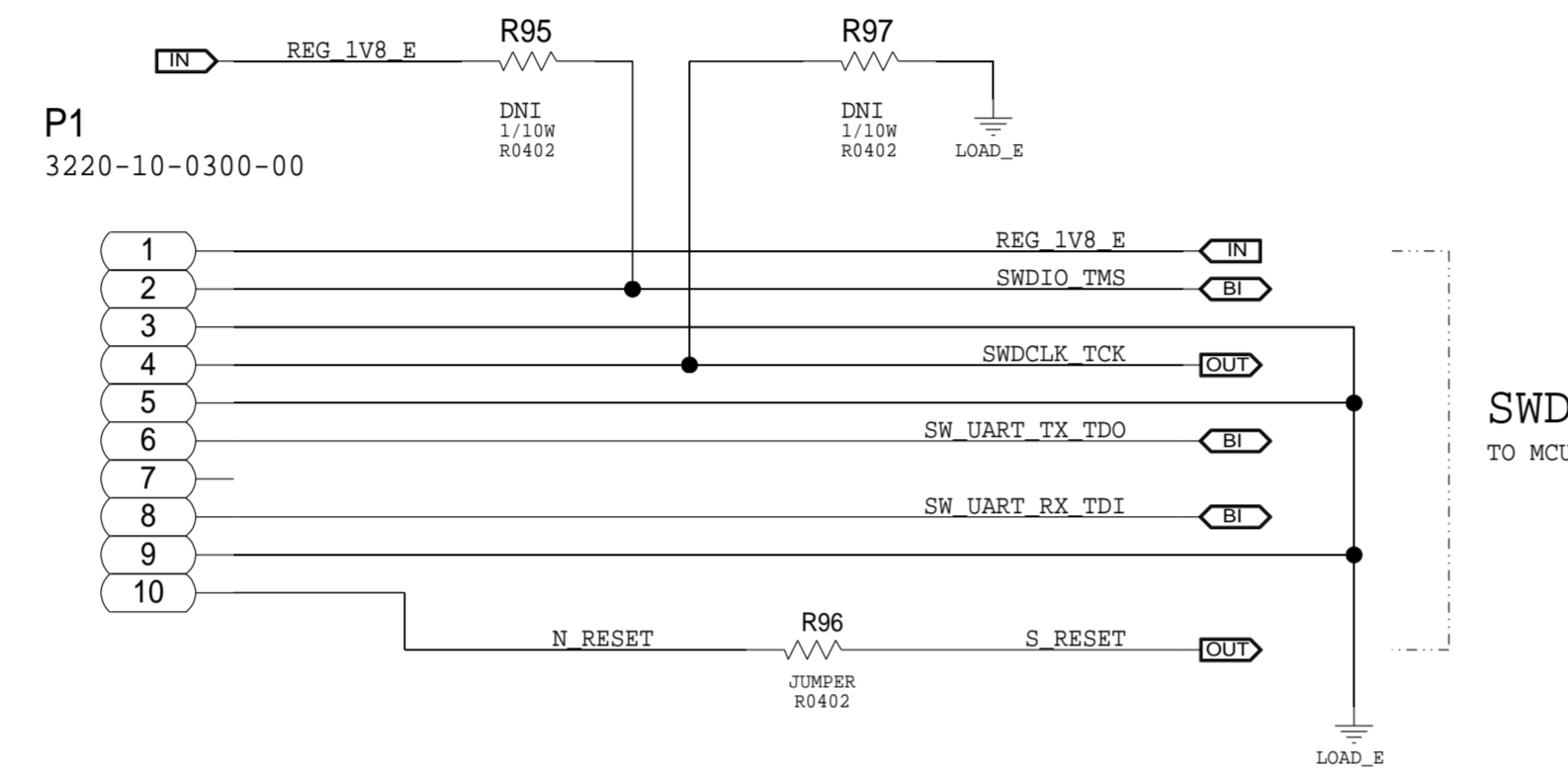
LEGEND:  
 ..... OR [Symbol] : 0.7MM MINIMUM CLEARANCE  
 [Symbol] : INTRINSIC SAFETY SPECS CONSIDERED

	<b>SCHEMATIC</b>		
	HW TYPE : Customer Evaluation Z Product(s) : AD7124-4 : MAX32690		
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_083153	REV D	
PTD ENGINEER D. SUDOY	SIZE D	SCALE 1:1	SHEET 7 OF 10

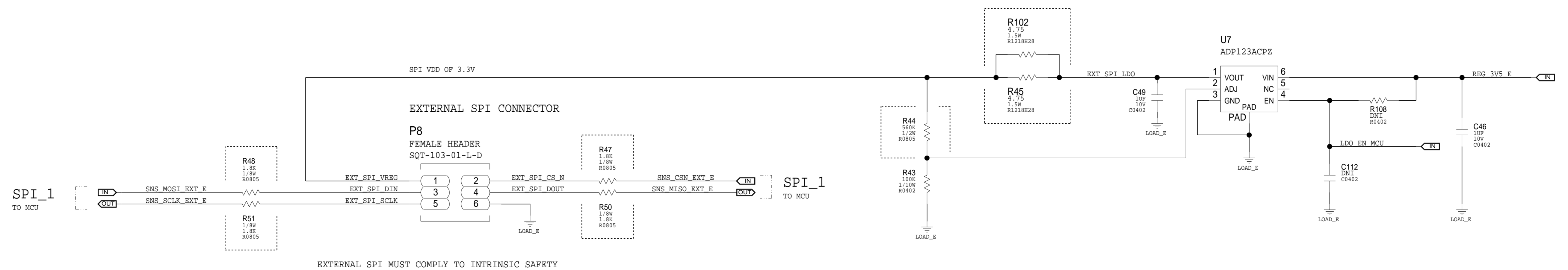
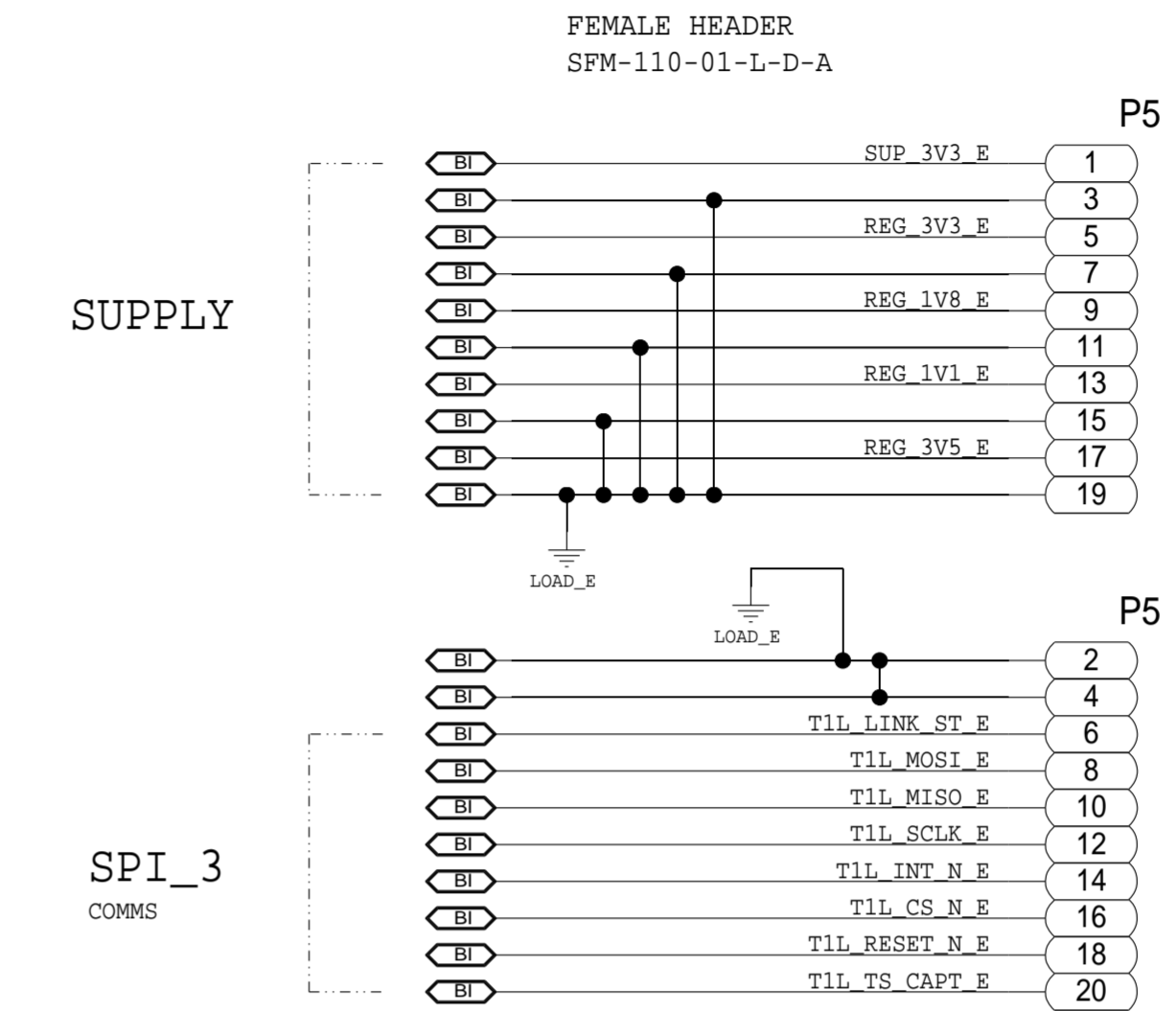
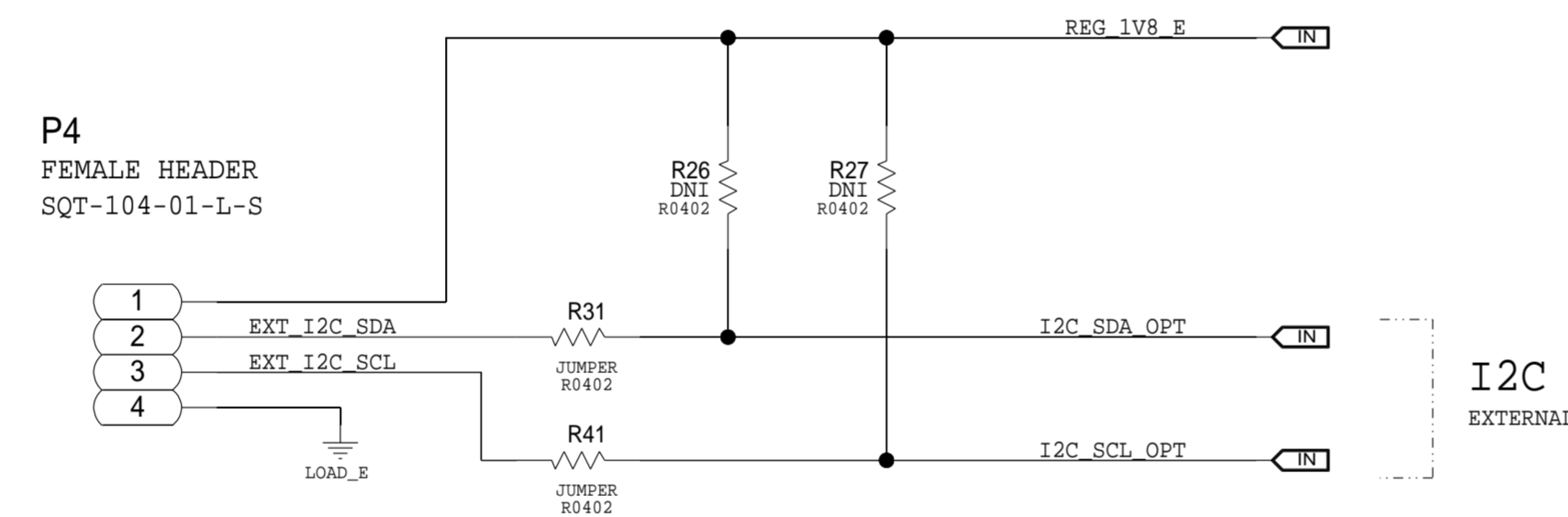
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

# CONNECTORS

SWD/PROGRAMMER CONNECTOR  
FOR DEVELOPMENT ONLY



I2C CONNECTION FOR  
USER DEVELOPMENT/DEBUGGING ONLY



LOAD\_N = GROUND IN 1ST BOARD  
LOAD\_E = GROUND IN 2ND BOARD  
ISO\_GND = GROUND FOR ISOLATED CKT

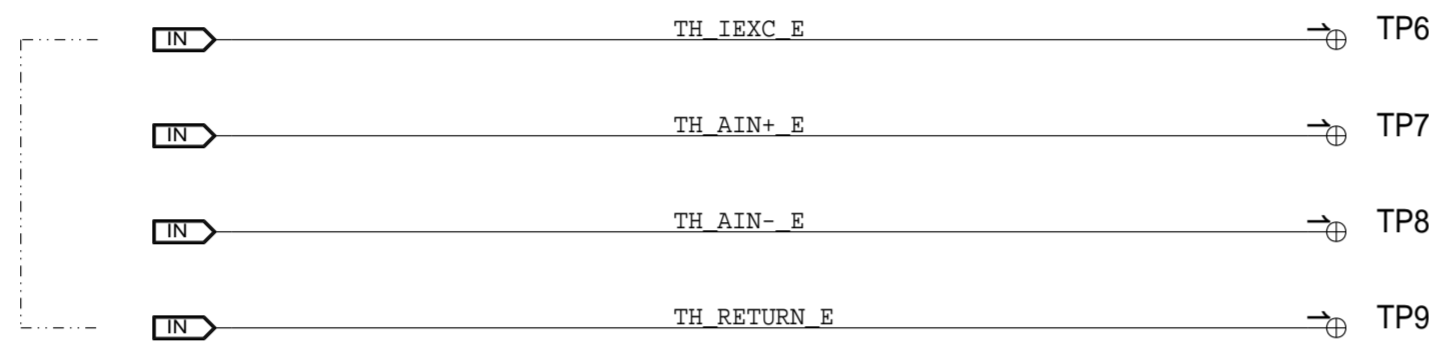
LEGEND:  
..... OR ..... 0.7MM MINIMUM CLEARANCE  
..... INTRINSIC SAFETY SPACS CONSIDERED

ANALOG DEVICES		SCHEMATIC	
HW TYPE : Customer Evaluation Z Product(s) : AD7124-4 : MAX32690		DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_083153
PTD ENGINEER D. SUDOY		SIZE D	SCALE 1:1
		SHEET 8	OF 10

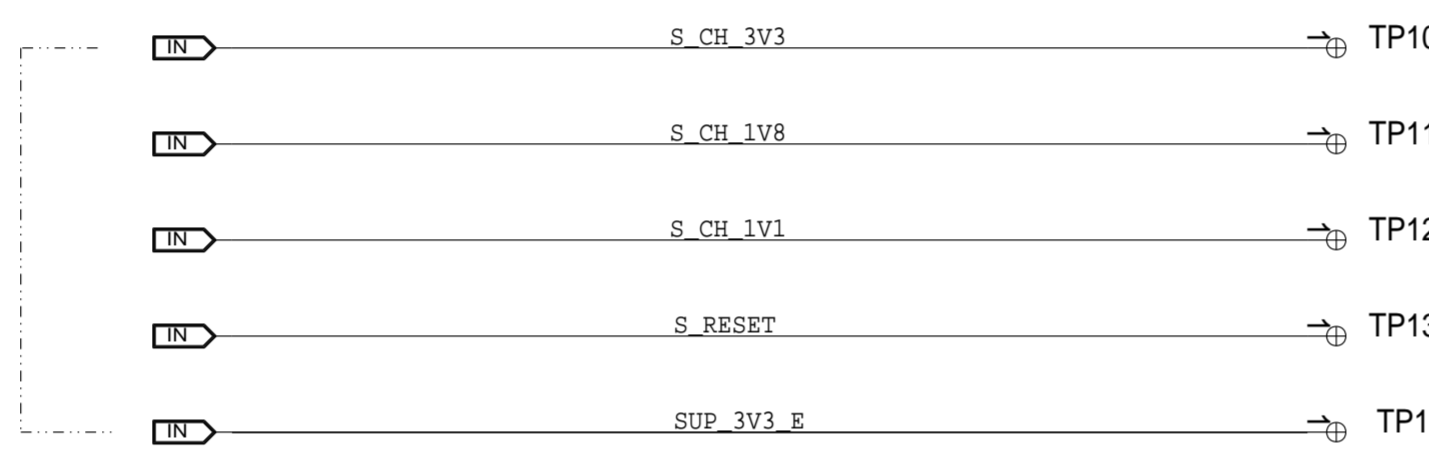
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

# TEST POINTS

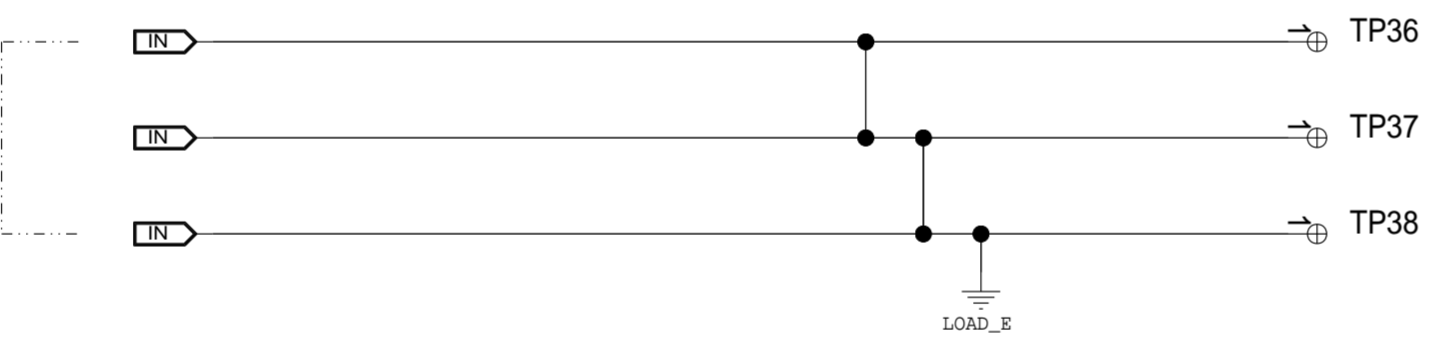
## TEMPERATURE SENSOR



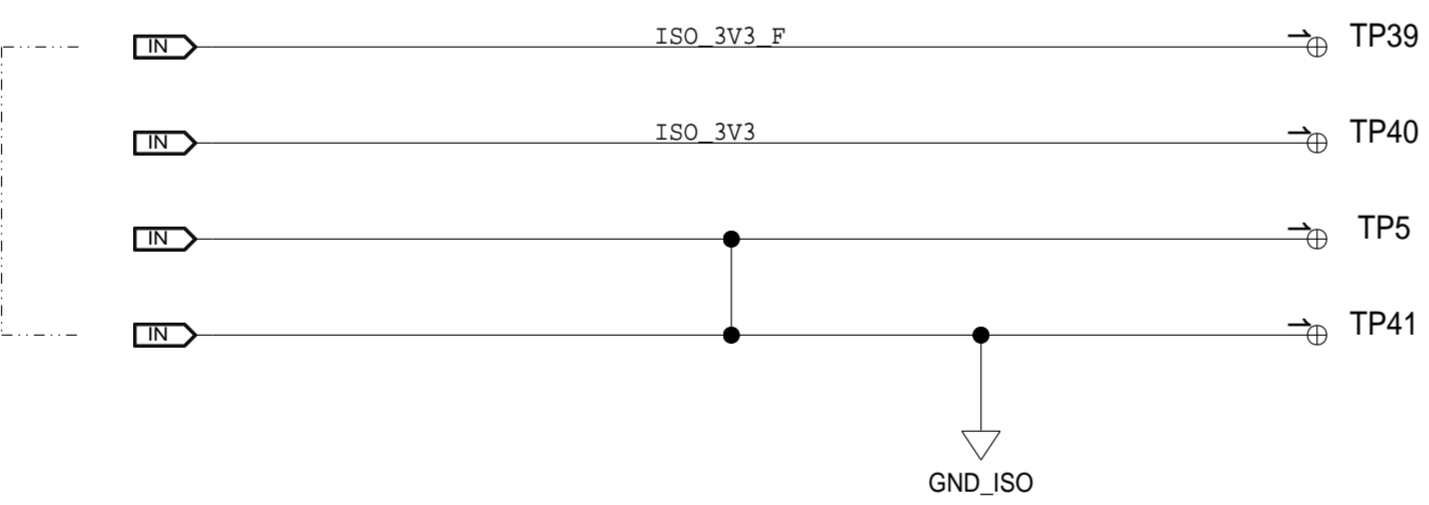
## SUPERVISOR



## GROUNDING

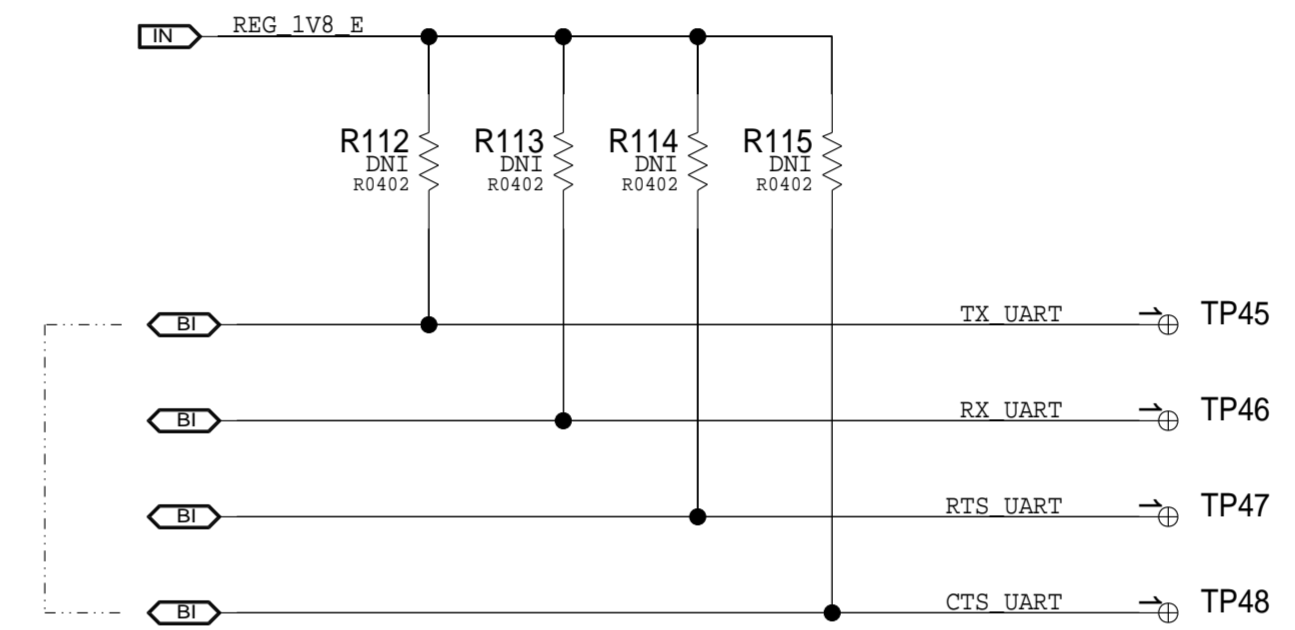


## ISOLATED POWER



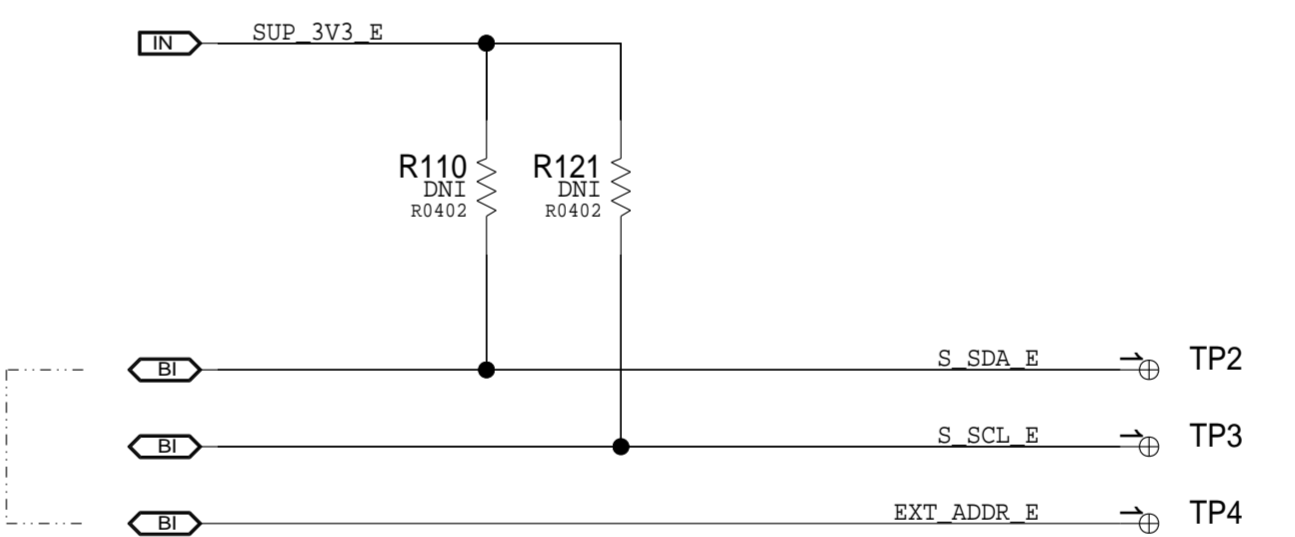
## UART

TESTPADS AS OPTIONAL PINS



## I2C

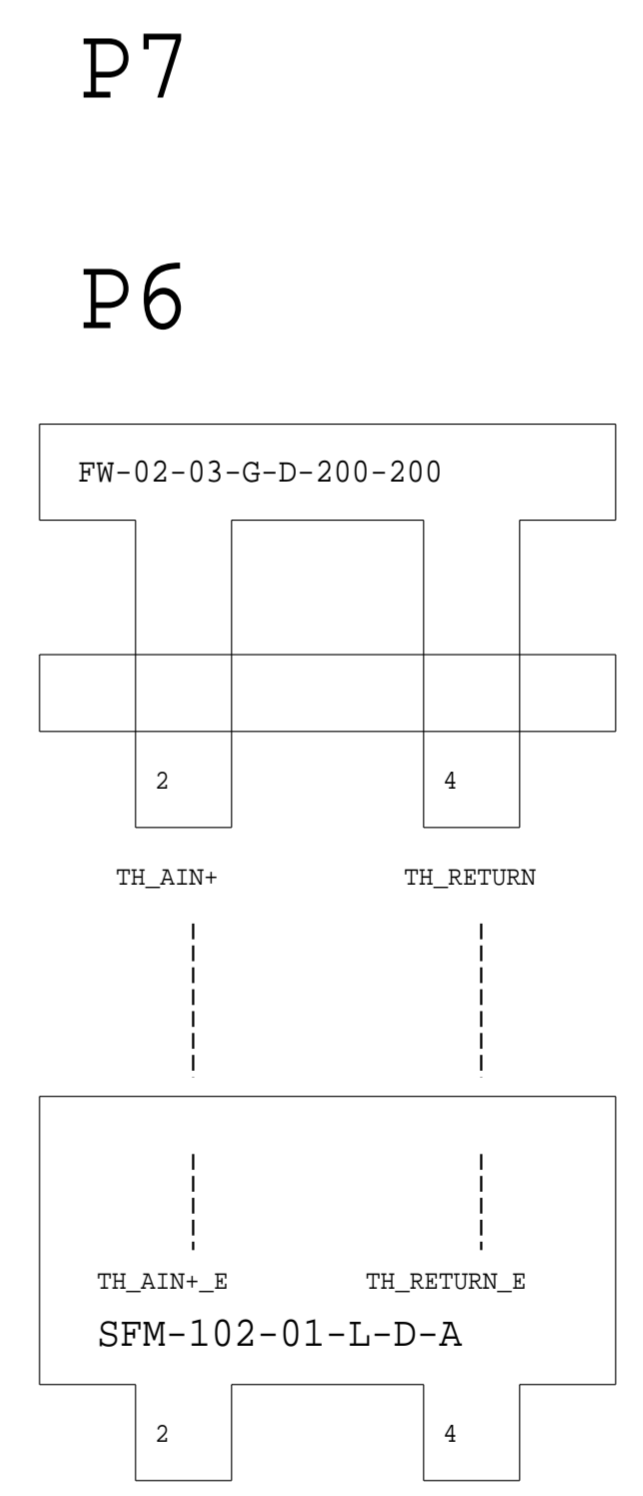
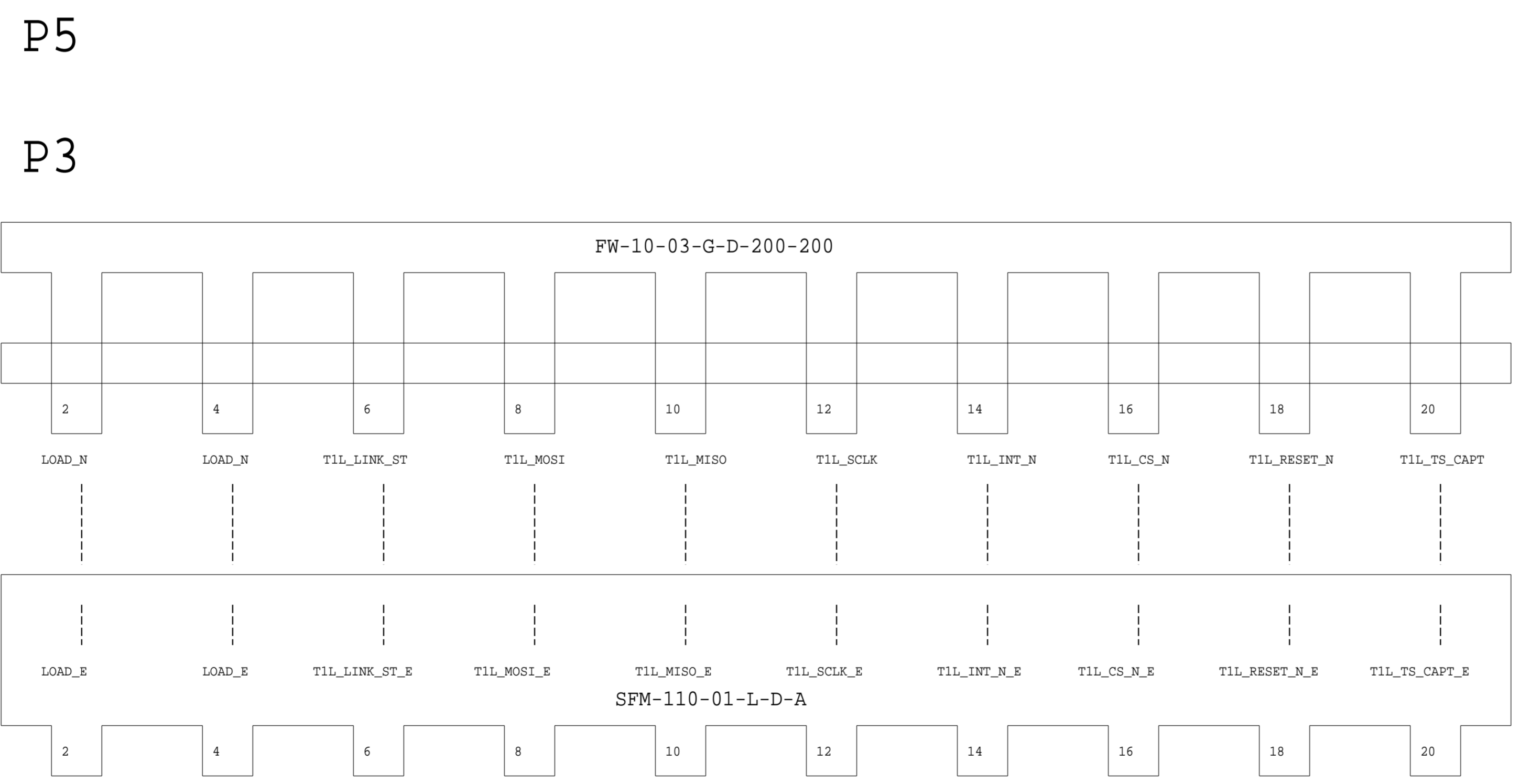
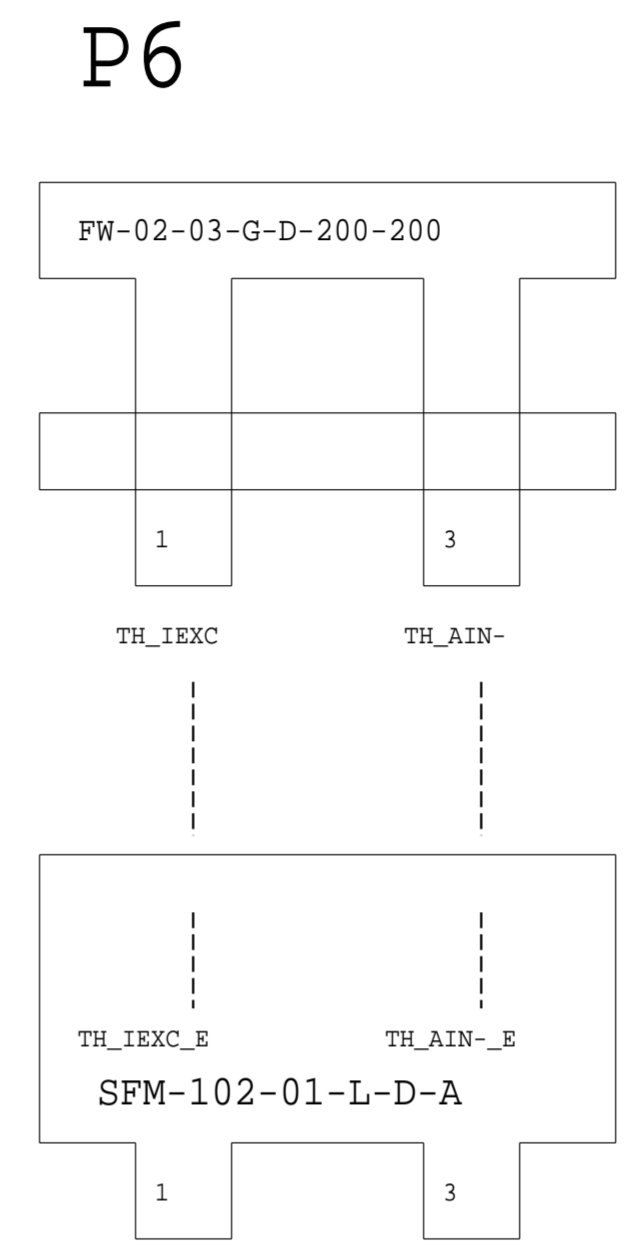
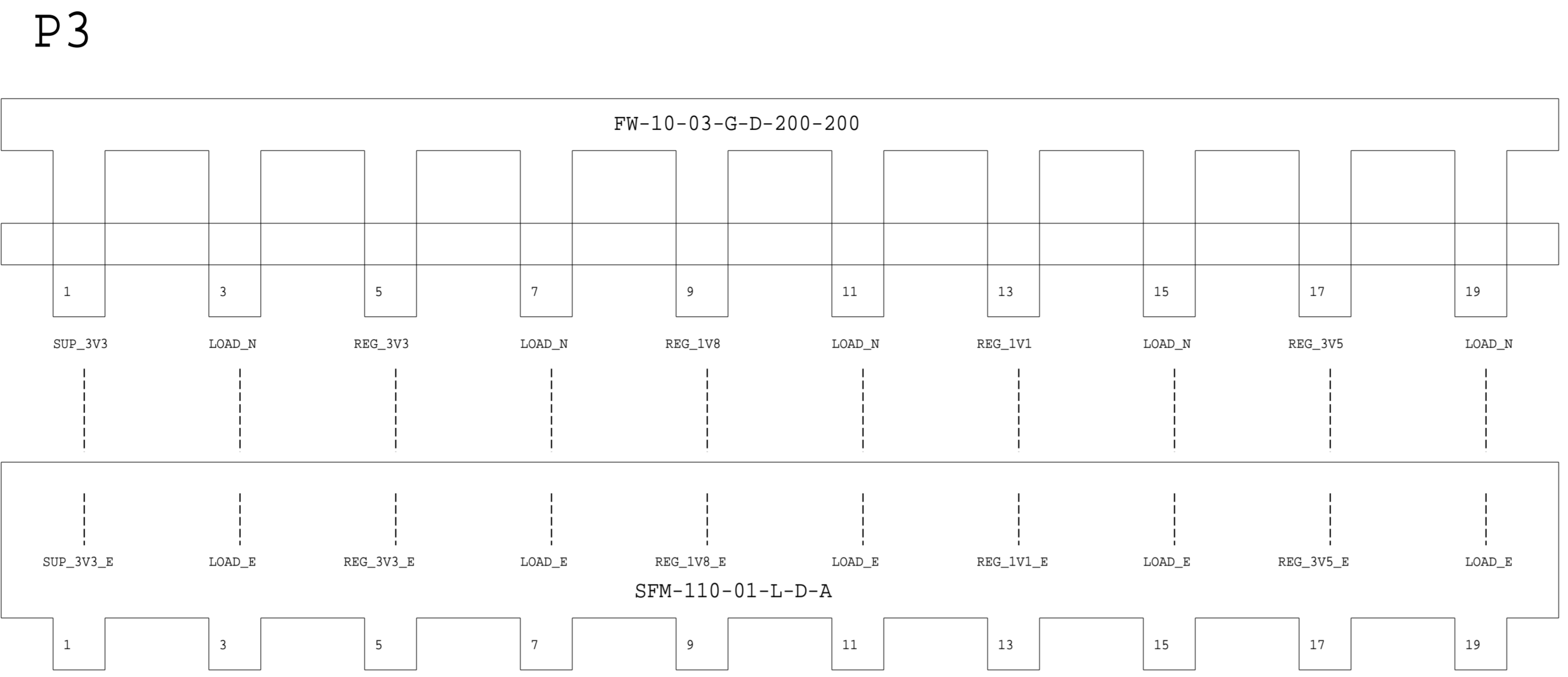
MAX42500  
TESTPADS AS OPTIONAL PINS



	<b>SCHEMATIC</b>		
	HW TYPE : Customer Evaluation Z Product(s) : AD7124-4 : MAX32690		
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_083153	REV D	
PTD ENGINEER D. SUDOY	SIZE D	SCALE 1:1	SHEET 9 OF 10

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

# INTERCONNECTION OF TWO BOARDS



	<b>SCHEMATIC</b>		
	HW TYPE : Customer Evaluation Z Product(s): AD7124-4 : MAX32690		
DESIGN VIEW <DESIGN_VIEW>	DRAWING NO. 02_083153	REV D	
PTD ENGINEER D. SUDOY	SIZE D	SCALE 1:1	SHEET 10 OF 10