PSOC™ Edge E84 HMI Kit Baseboard

CONTENTS

PAGE	DESCRIPTION
01	Title Page
02	Power Block Diagram
03	Functional Block Diagram
04	USB Connector, DC IN, ORing
05	Power Monitoring
06	5V Boost
07	1.8V LDO & 3.3V Buck
08	1.8V & 3.3V LDOs for Radar
09	P5LP Based KitProg3
10	Serial Interfaces, SWD/JTAG
11	Memory, Flash & RAM
12	Audio Amplifier
13	MicroSD Card, IMU
14	Extended MIC Board Interface, AMIC Signal Processing
15	Radar, CO2, Humidity Sensor
16	USB Host & DVP Cameras
17	User Interface
18	MikroBUS Interface
19	MIPI-DSI Display Interface
20	M.2 Radio Interface

CONTENTS

PAGE	DESCRIPTION
21	Hatchet-1 LBEE5HY2FY Radio
22	Crystal, Oscillator, RTC
23	MCU Power 1
24	MCU Power 2
25	MCU I/Os
26	Accessories
27	Revision History

Drawing Numbers

PCBA	121-60749-01
PCB	600-60749-01
FAB DRW	610-60749-01
ASSY DRW	620-60749-01
SCH DRW	630-60749-01

Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

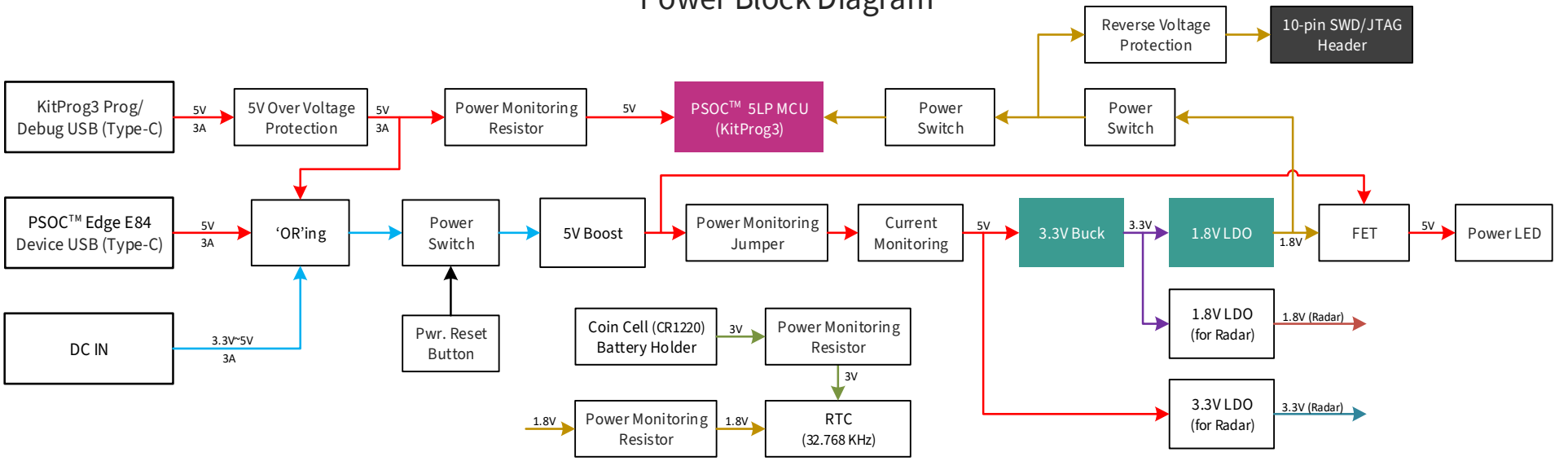
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

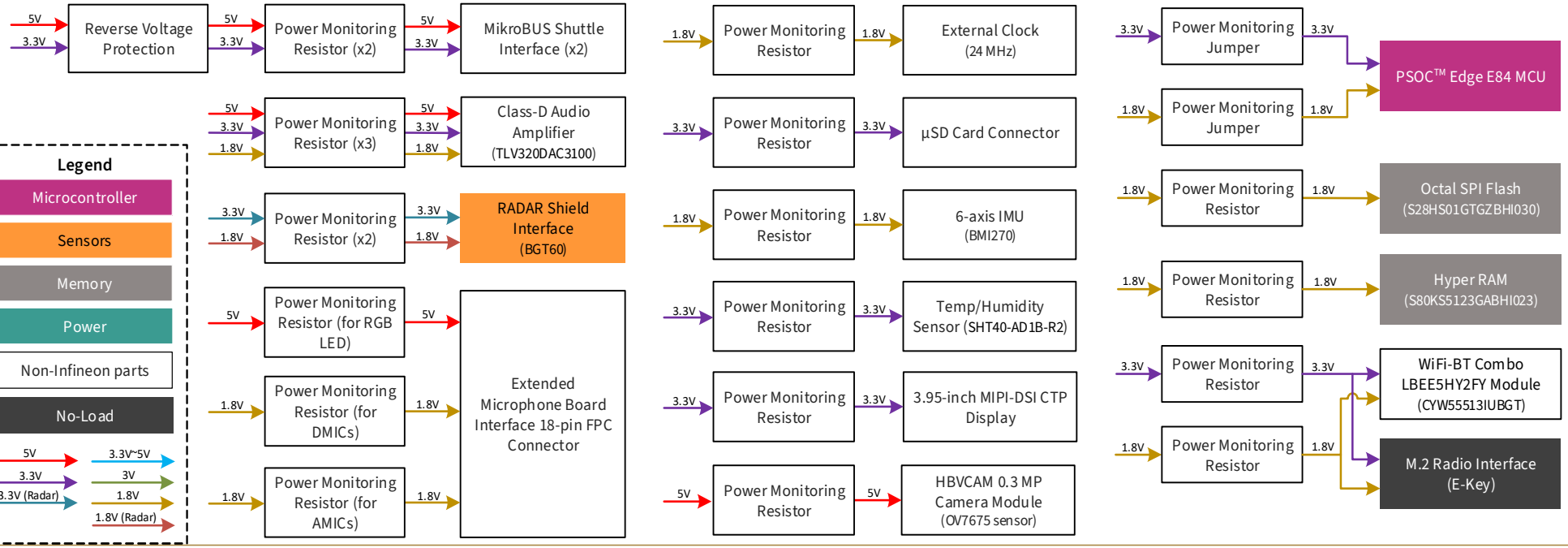
Page Title: Title Page

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 1 of 27

Power Block Diagram





Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

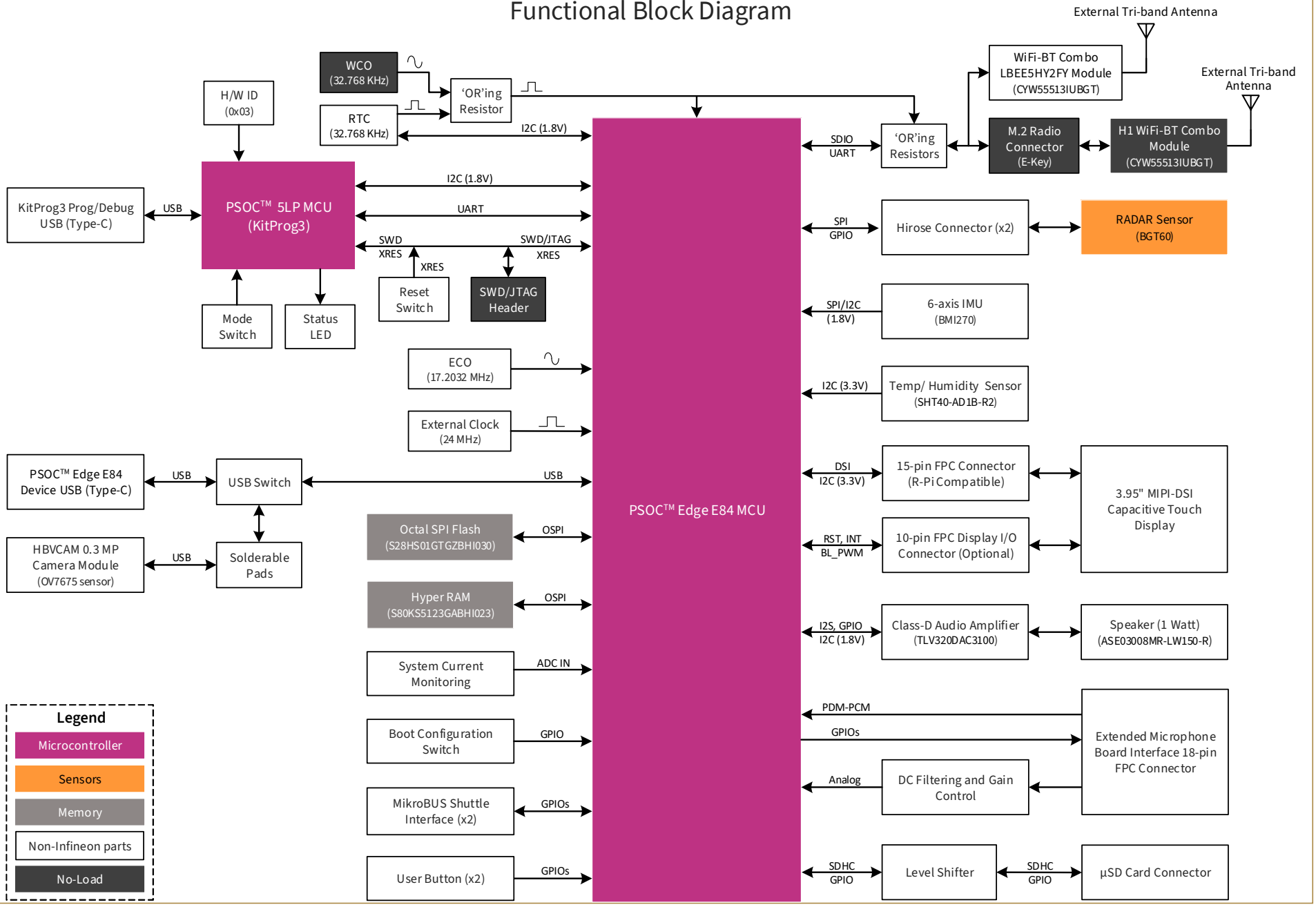
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: Power Block Diagram

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 2 of 27

Functional Block Diagram



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

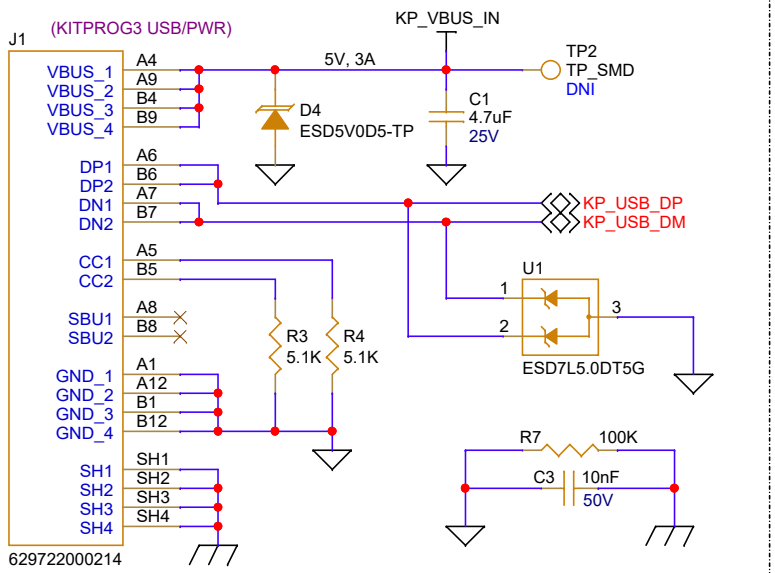
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: Functional Block Diagram

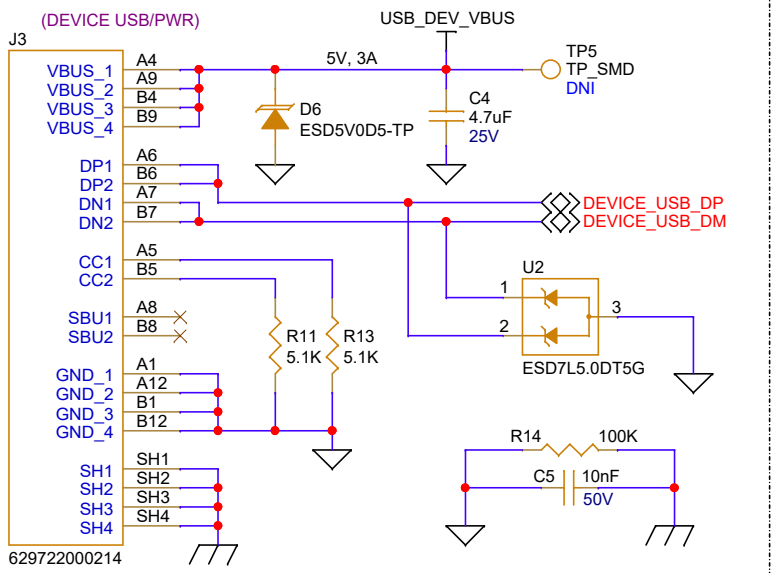
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 3 of 27

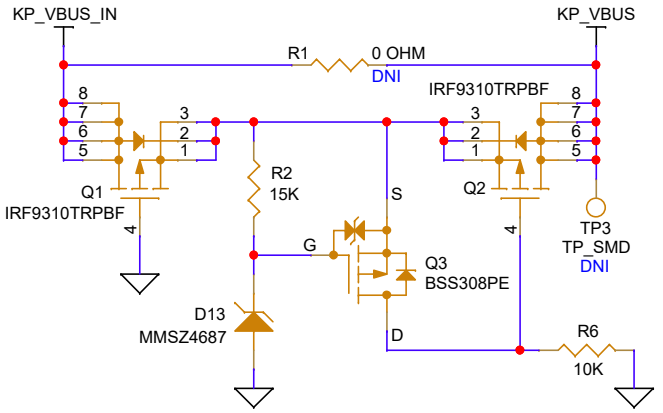
KitProg3 USB Type-C Prog/Debug Interface



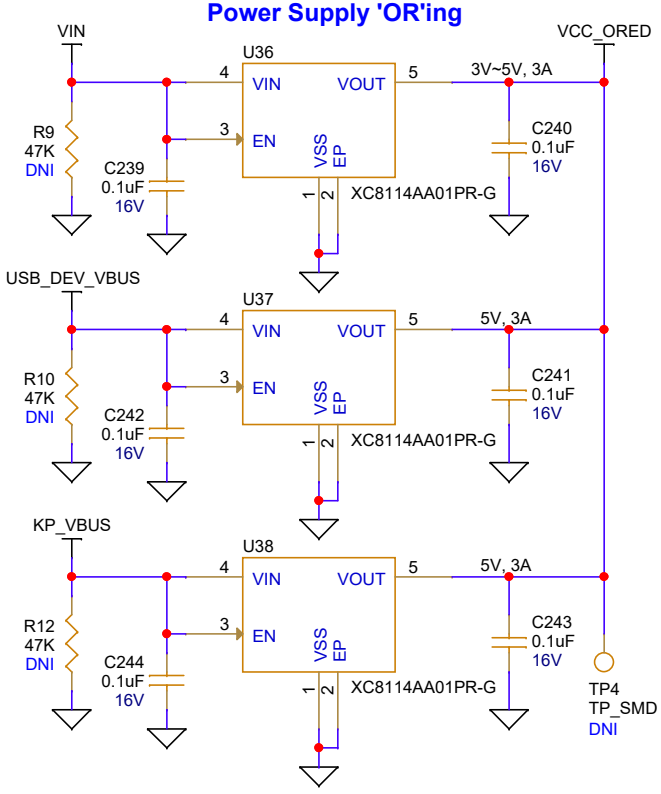
PSOC™ Edge E84 USB Type-C Device



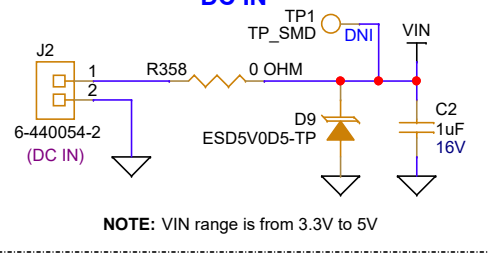
5V Overvoltage Protection for KP3 USB



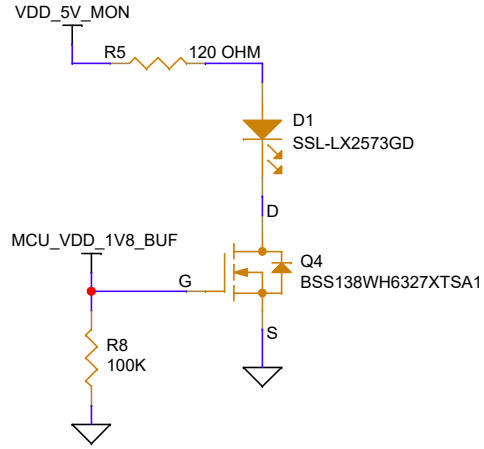
Power Supply 'OR'ing



DC IN



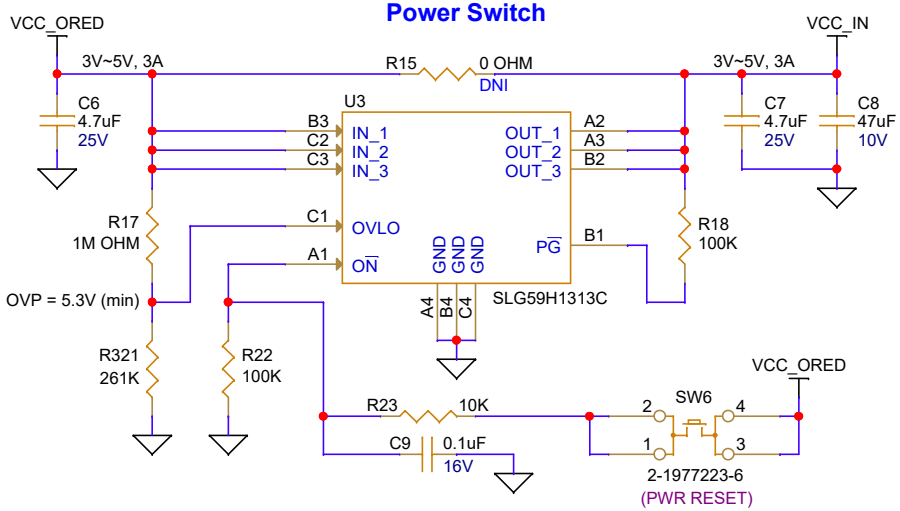
Power LED



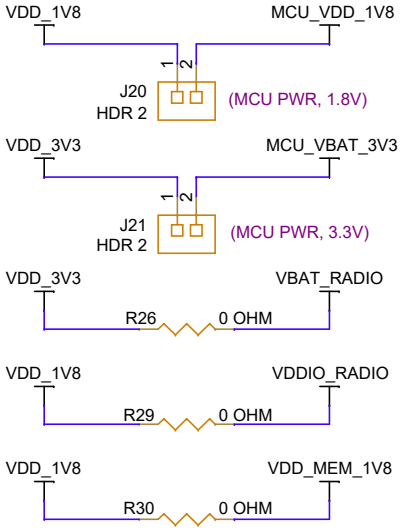
Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: USB Connector, DC IN, ORing, Power LED				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date:	Wednesday, April 01, 2026	Sheet	4 of 27	

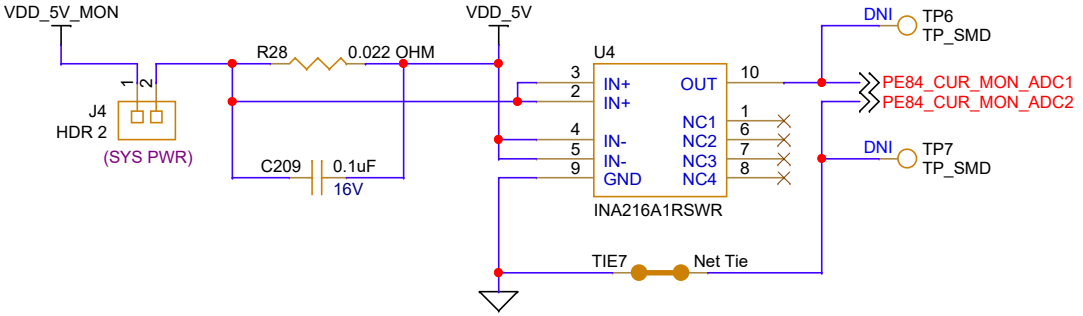
Power Switch



Power Monitoring



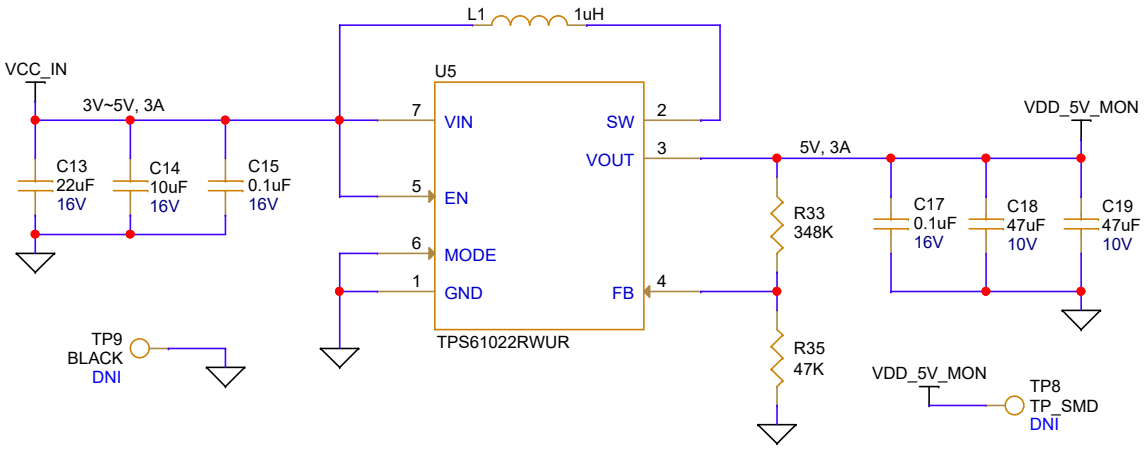
Current Monitoring



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: Power Monitoring				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date: Wednesday, April 01, 2026		Sheet 5 of 27		

5V Boost Regulator



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

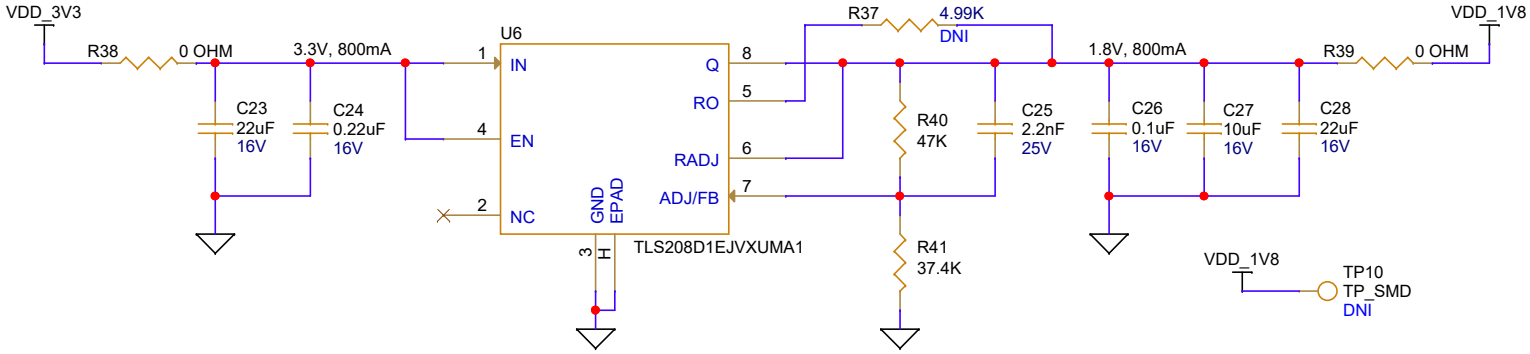
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: 5V Boost

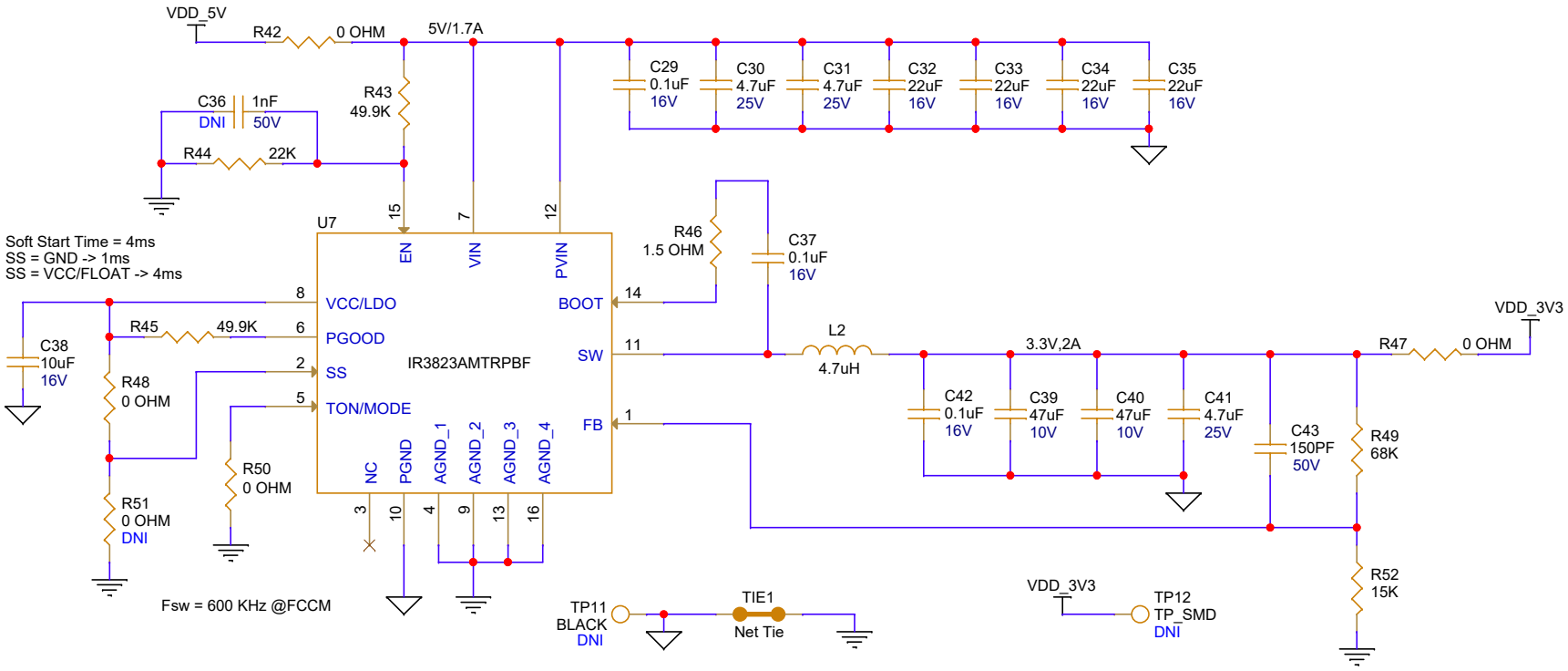
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 6 of 27

1.8V LDO Voltage Regulator



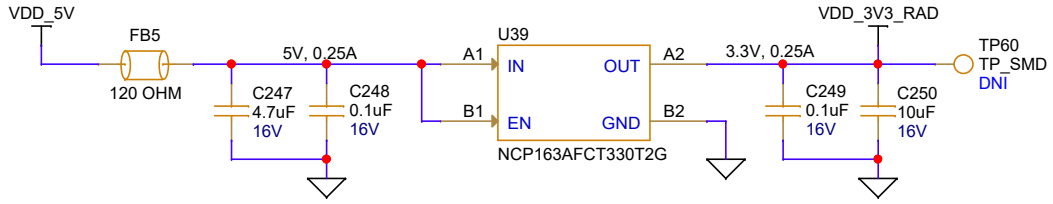
3.3V Buck Regulator



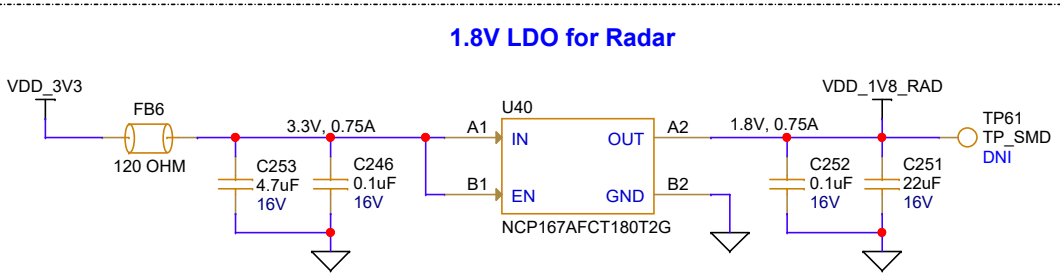
Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: 1.8V LDO & 3.3V Buck				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date: Wednesday, April 01, 2026		Sheet 7 of 27		

3.3V LDO for Radar



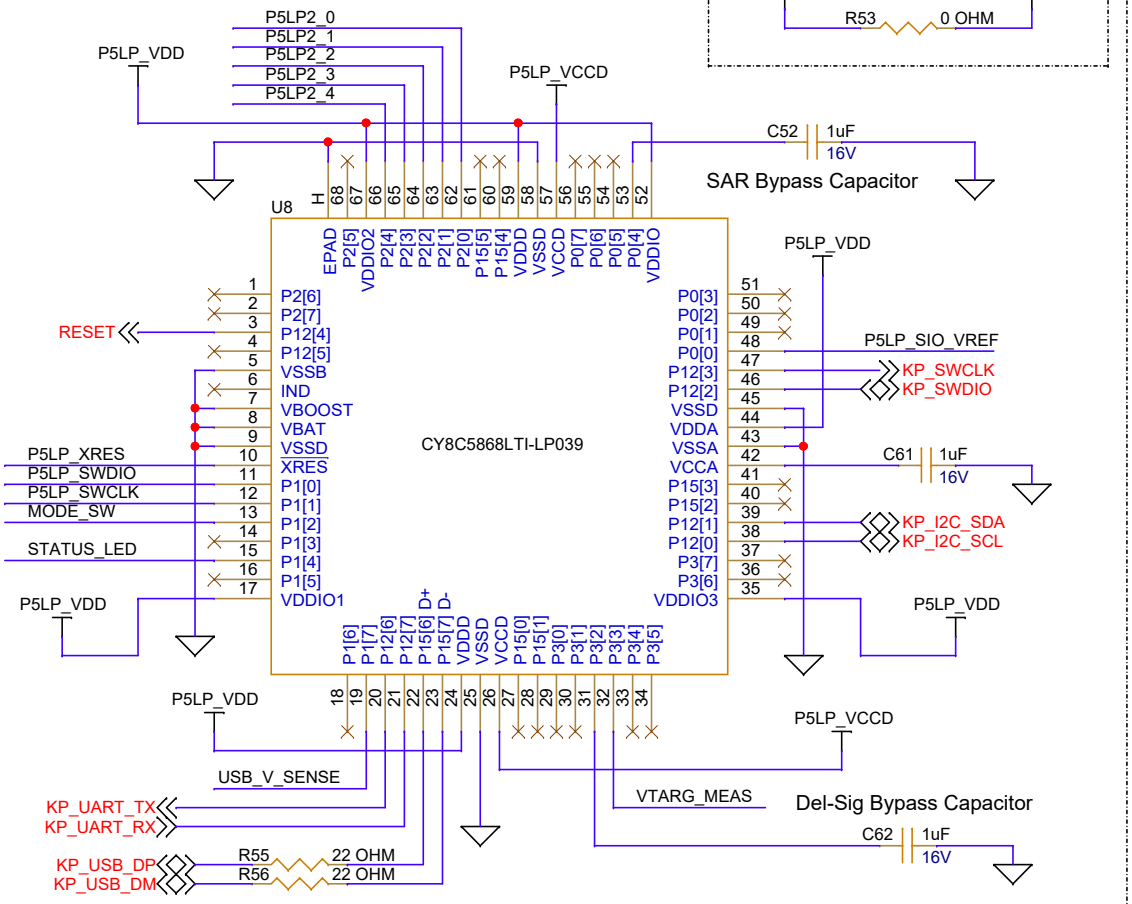
1.8V LDO for Radar



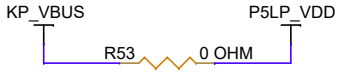
Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: 1.8V & 3.3V LDOs for Radar				
Size	Document Number	Drawn By	Approved By	Rev
A4	**630-60749-01**	**RISR**	**RKPM**	**5.0**
Date:	Wednesday, April 01, 2026	Sheet	**8** of **27**	

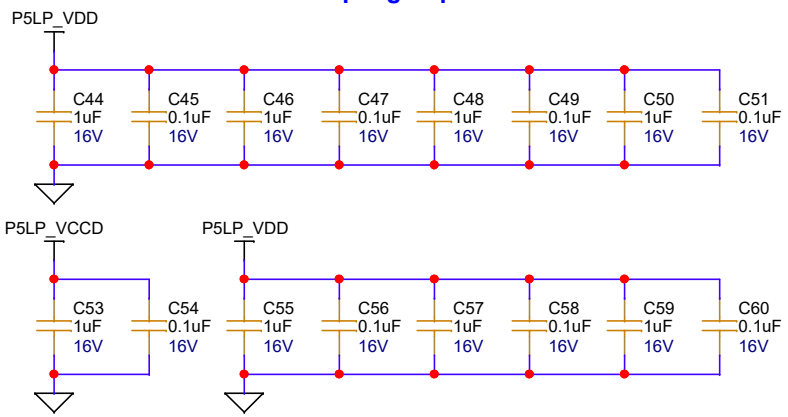
PSOC™ 5LP based KitProg3



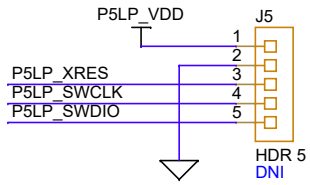
PSOC™ 5LP Power



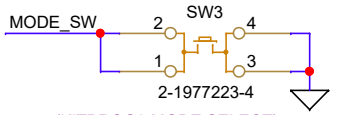
Decoupling Capacitors



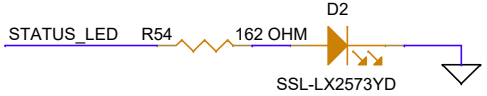
PSOC™ 5LP Programming Header



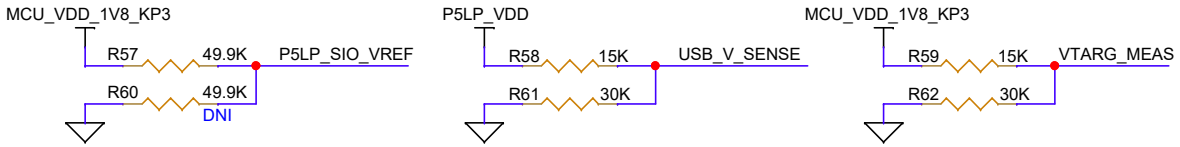
Mode Switch



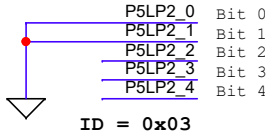
KitProg3 Status LED



Voltage Monitoring



KitProg3 H/W Revision



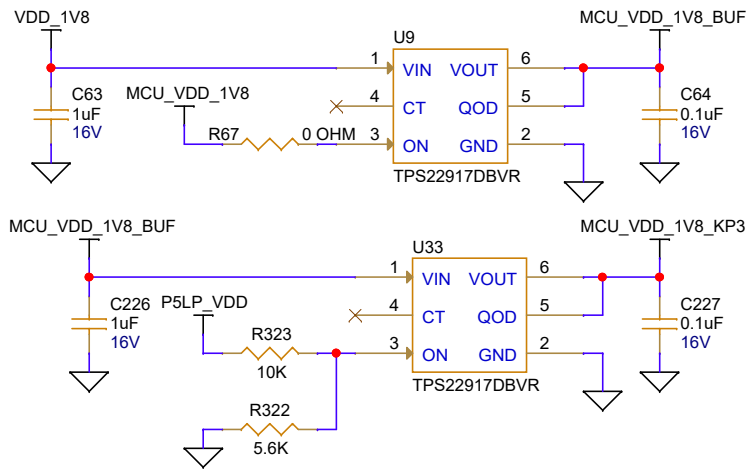
ID = 0x03

NOTE: GND is read as binary "1" and floating as "0".

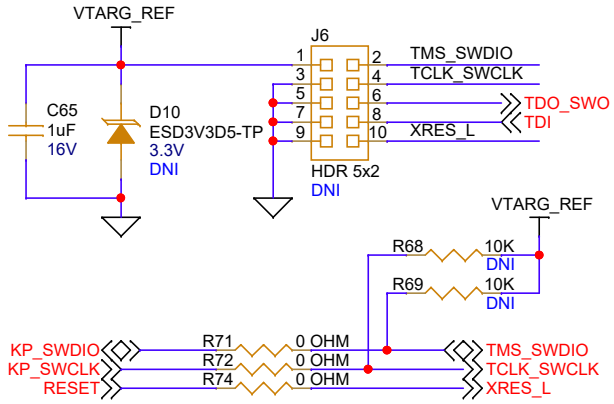
Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title :	**PSOC™ Edge E84 HMI Kit Baseboard**			
Page Title:	**P5LP Based KitProg3**			
Size	Document Number	Drawn By	Approved By	Rev
A4	**630-60749-01**	**RISR**	**RKPM**	**5.0**
Date:	Wednesday, April 01, 2026	Sheet	**9** of **27**	

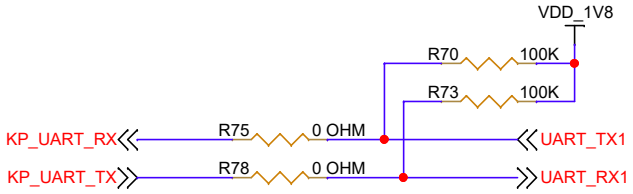
Power Switches for Buffered MCU Power



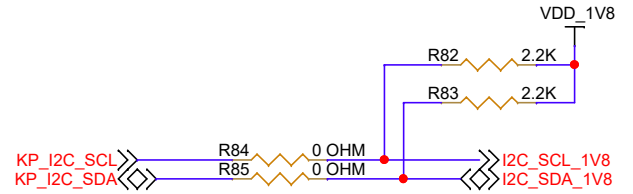
10-pin SWD/JTAG Header for M33/M55/U55



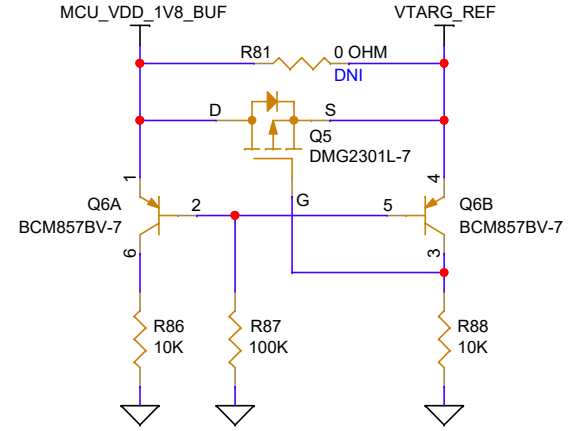
KitProg3 Primary UART Interface



KitProg3 I2C Interface



VTARG Reverse Voltage Protection



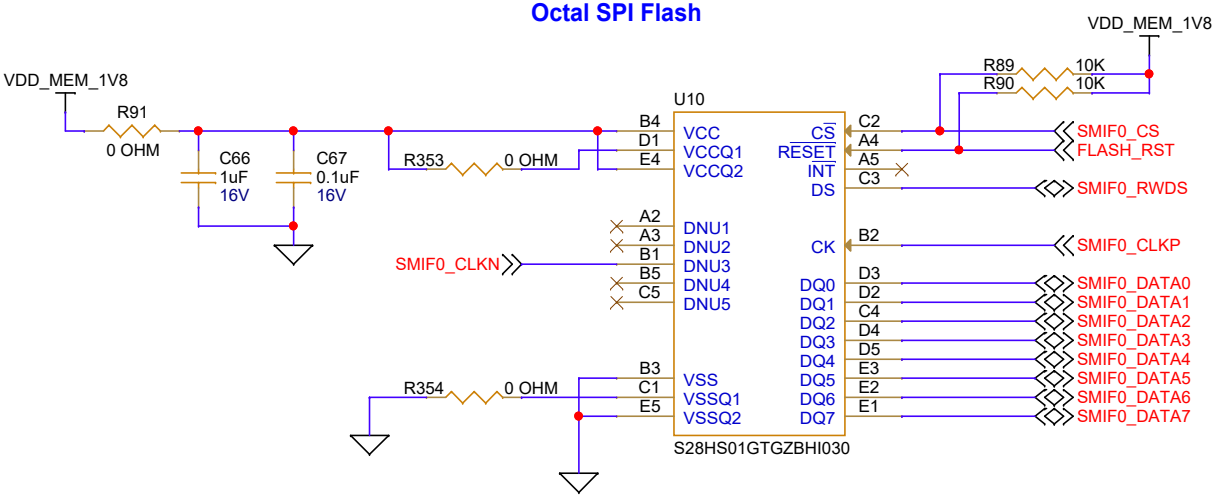
NOTE 1: VTARG_REF is only output voltage sense line for external debuggers. MCU can't be powered using external debugging header like J6.

NOTE 2: If R81 is loaded and external power is used, make sure to supply enough current to the 1.8V rail (maximum of 800mA as worst case).

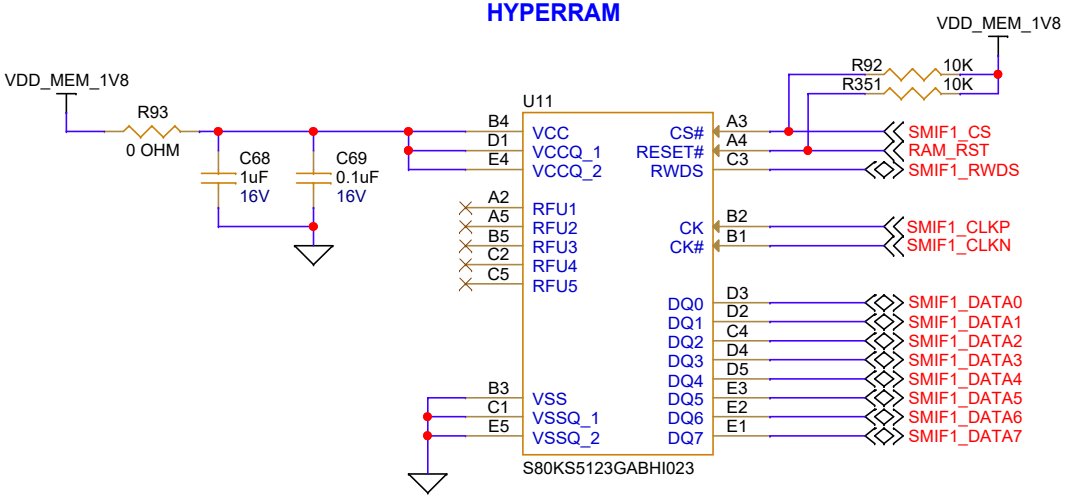
Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: Serial Interfaces, SWD/JTAG				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date: Wednesday, April 01, 2026		Sheet 10 of 27		

Octal SPI Flash



HYPERRAM



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

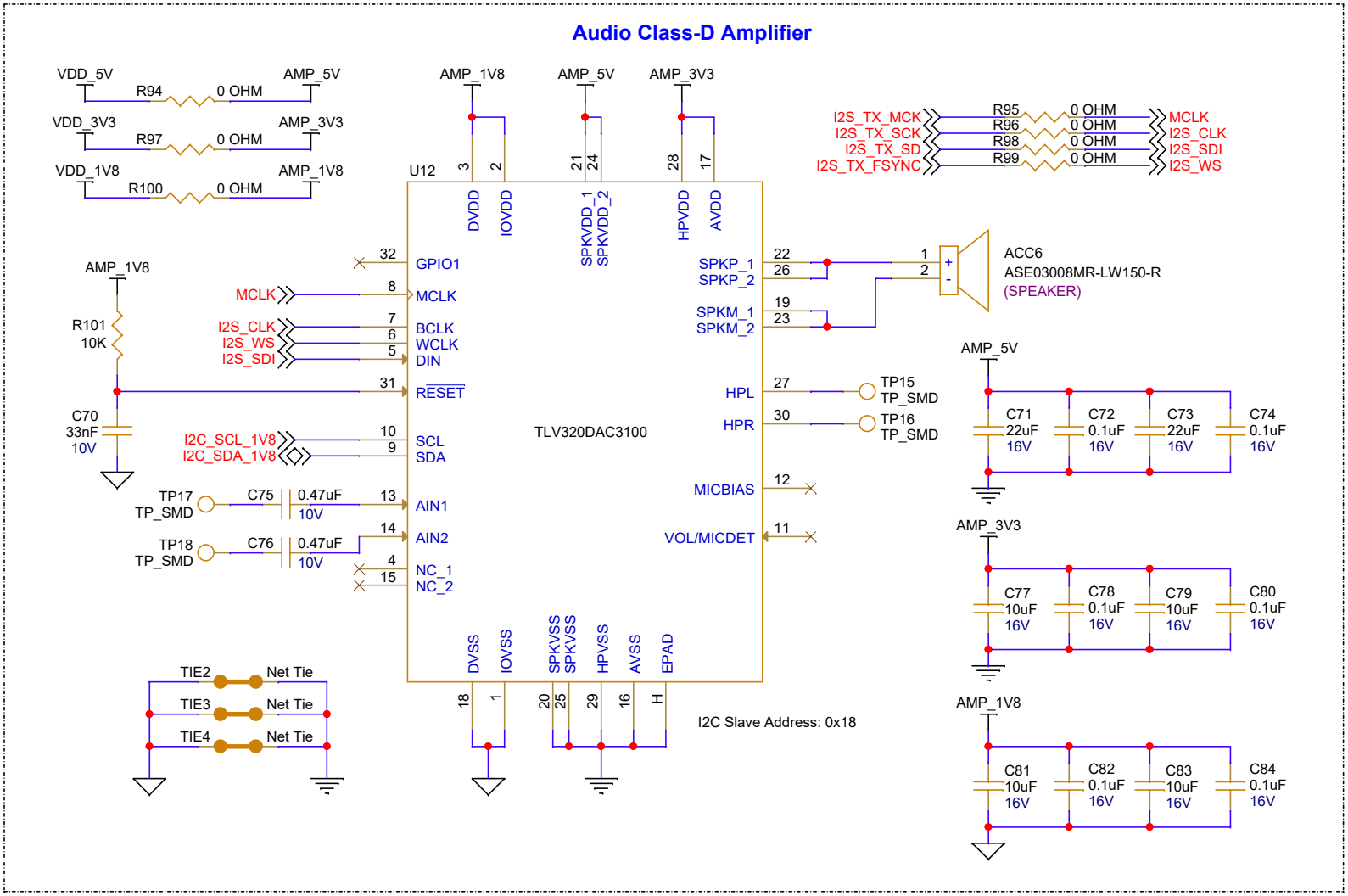
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: Memory, Flash & RAM

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 11 of 27

Audio Class-D Amplifier



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

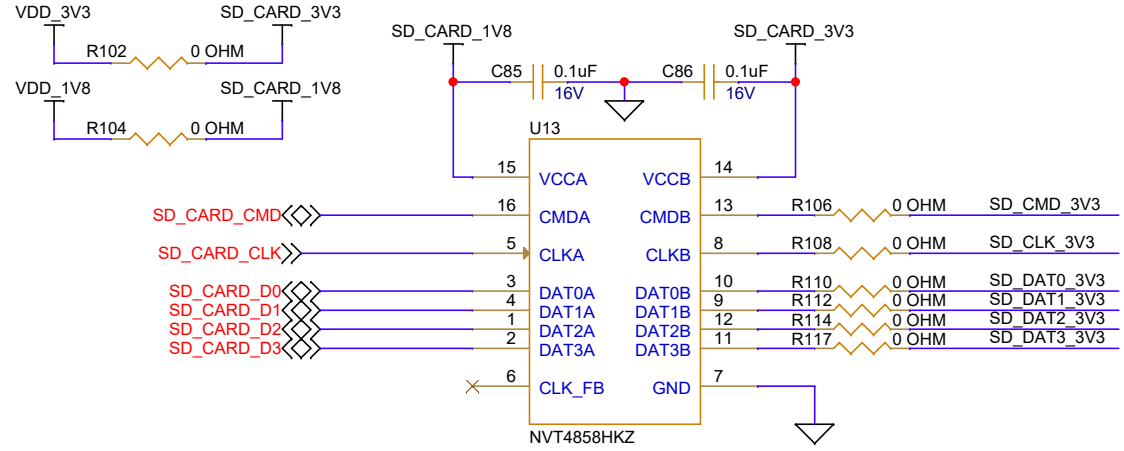
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: Audio Class-D Amplifier

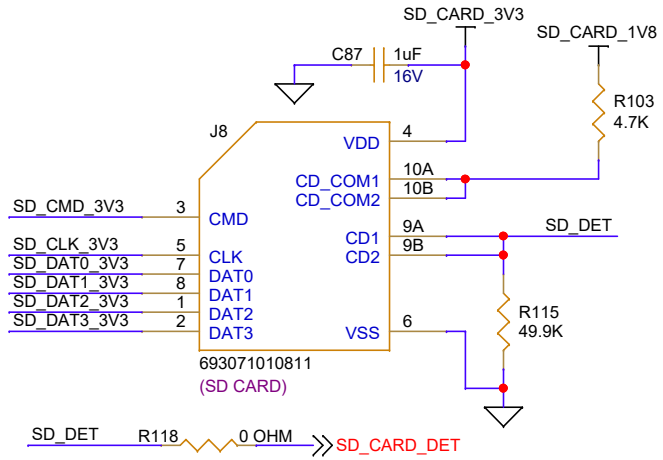
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 12 of 27

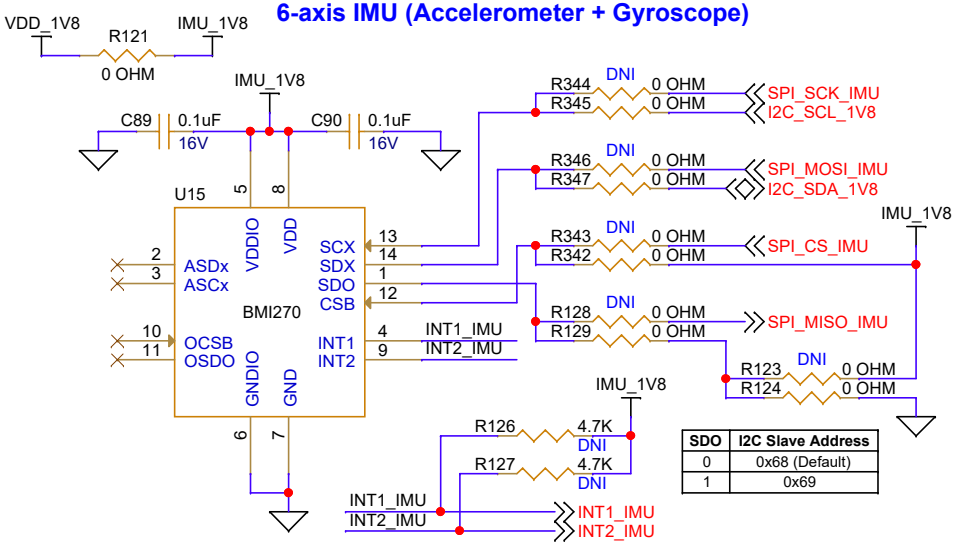
Level Translator for microSD Card



microSD Card Interface



6-axis IMU (Accelerometer + Gyroscope)



SDO	I2C Slave Address
0	0x68 (Default)
1	0x69

NOTE: I2C interface is set as default. To change to SPI interface, do the following rework:
Mount: R344, R346, R343, R128
Remove: R345, R347, R342, R129

Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

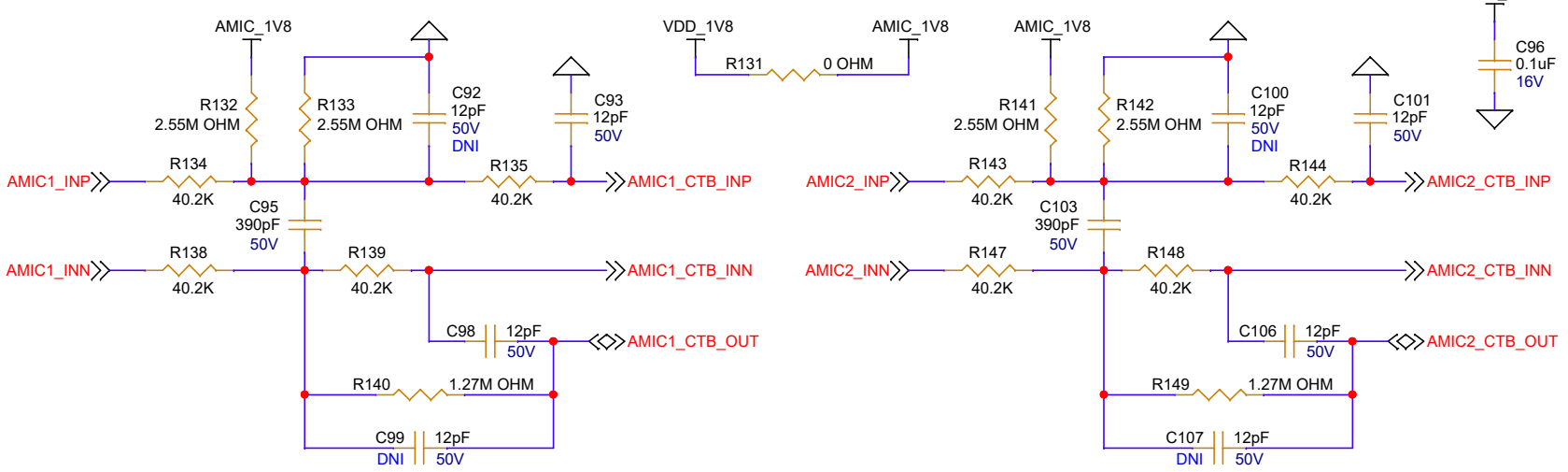
SCH Title : **PSOC™ Edge E84 HMI Kit Baseboard**

Page Title: **MicroSD Card, IMU**

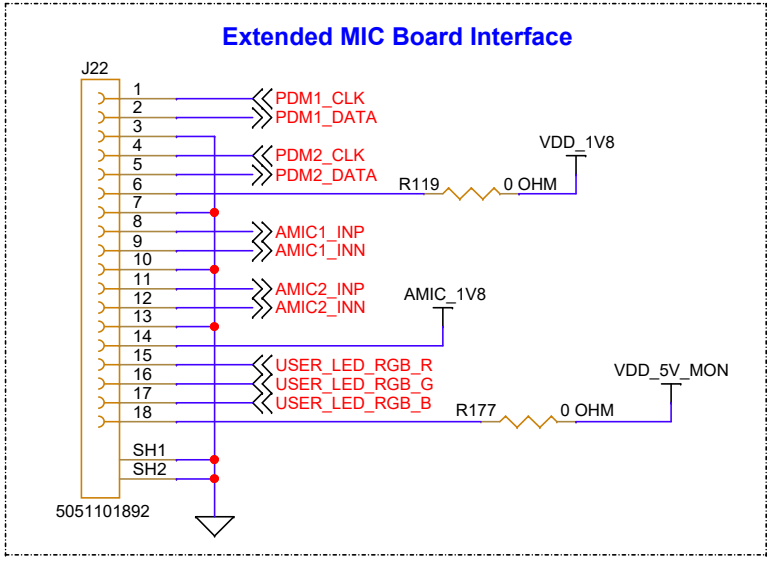
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 13 of 27

Signal Processing Circuit for Analog MICs



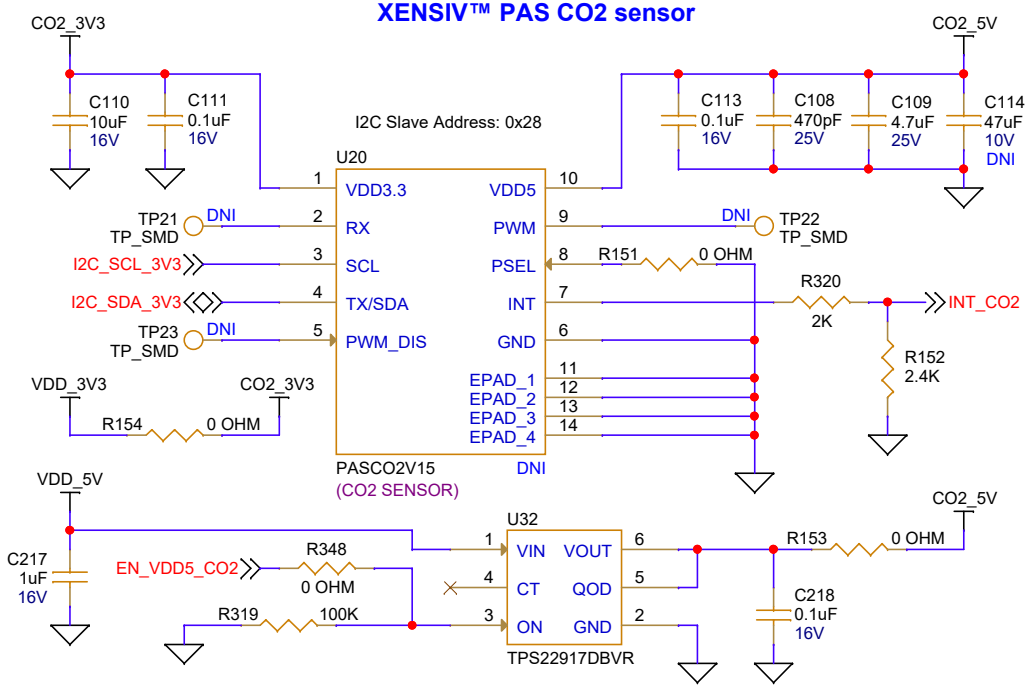
Extended MIC Board Interface



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

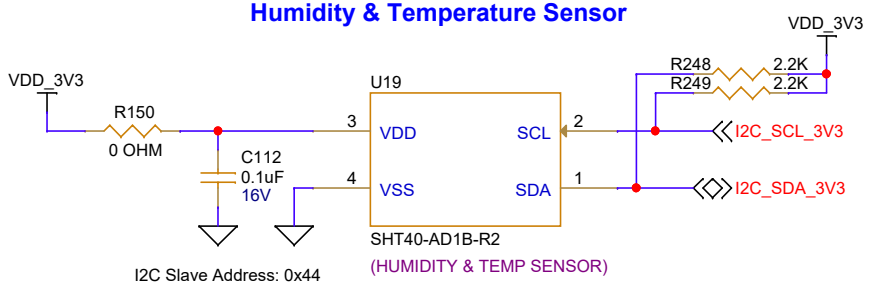
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: MIC Board Conn, AMIC Signal Processing				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date:	Wednesday, April 01, 2026	Sheet	14 of 27	

XENSIV™ PAS CO2 sensor

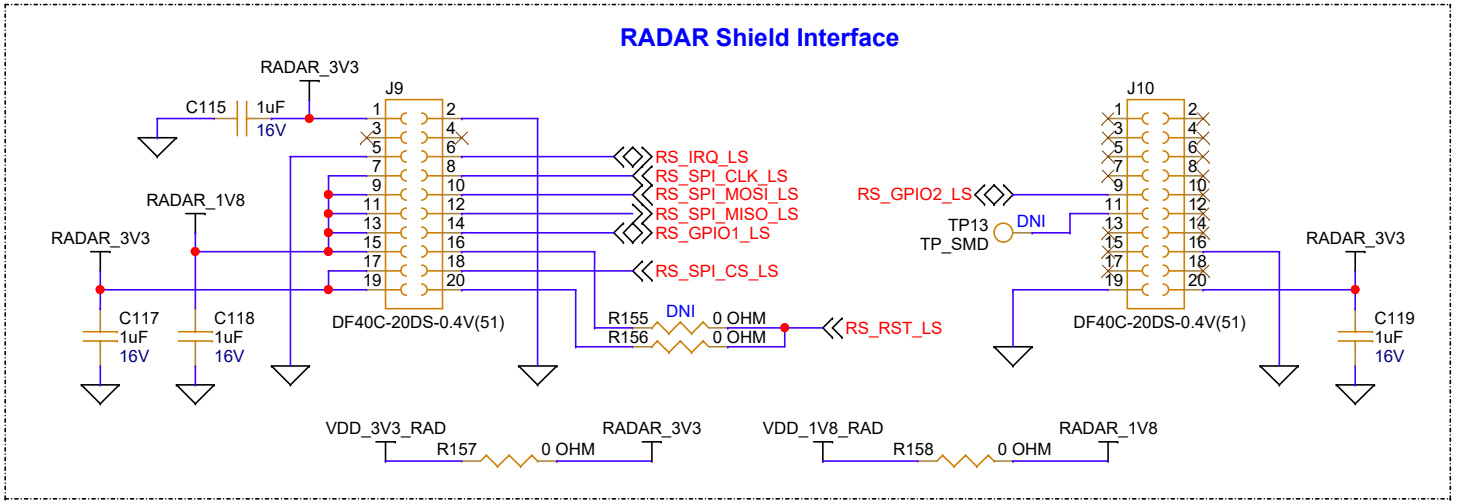


NOTE: The XENSIV™ PAS CO2 sensor is not populated by default that no longer sells. Ignore this section of the schematic.

Humidity & Temperature Sensor



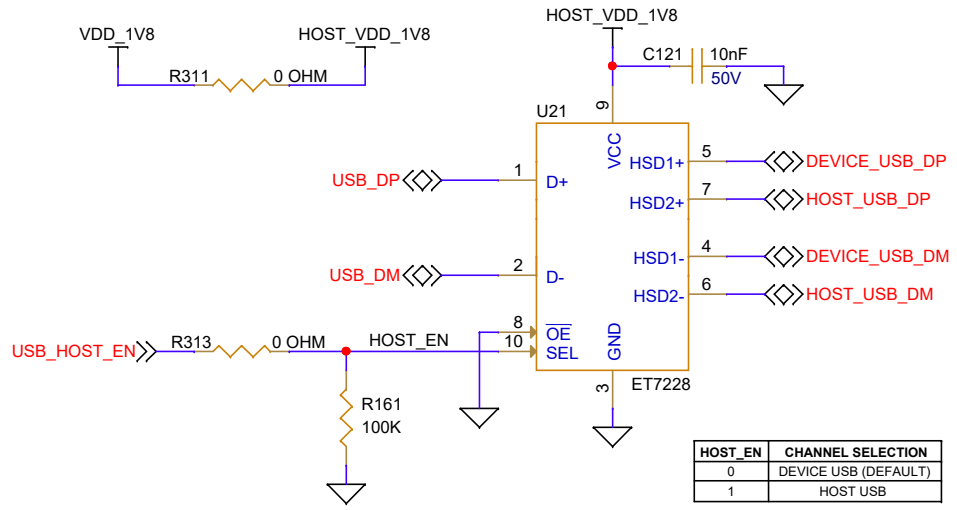
RADAR Shield Interface



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

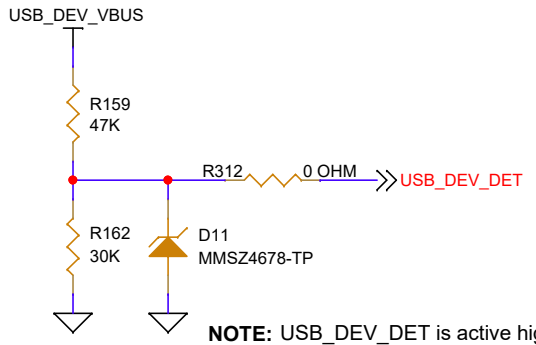
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: Radar, CO2, Humidity Sensor				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date: Monday, April 20, 2026		Sheet 15 of 27		

USB Multiplexer (Device and Host)



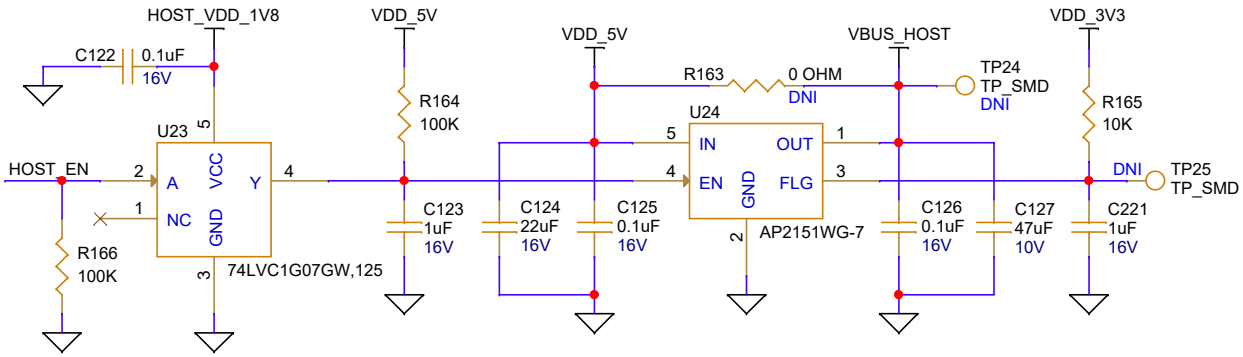
HOST_EN	CHANNEL SELECTION
0	DEVICE USB (DEFAULT)
1	HOST USB

USB Device VBUS Detect

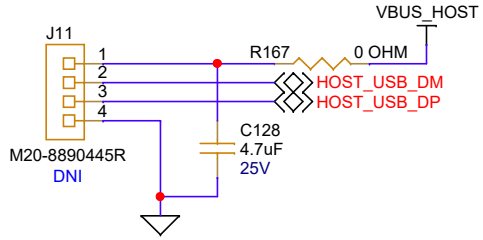


NOTE: USB_DEV_DET is active high.

USB Host VBUS Enable



USB Camera Interface (HBVCAM OV7675)



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

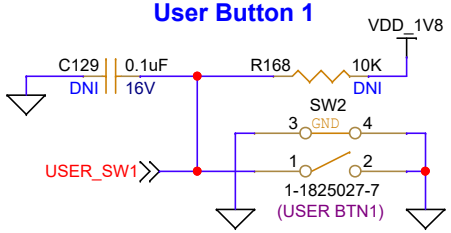
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: USB Host Camera

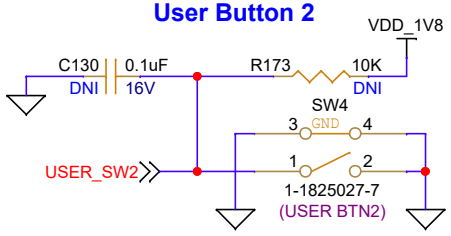
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 16 of 27

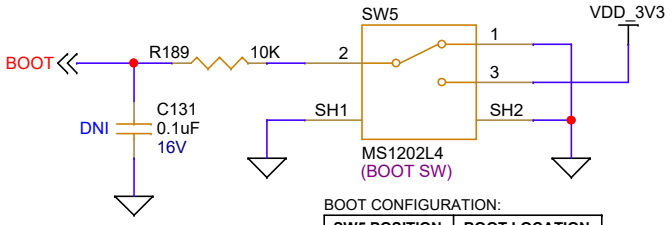
User Button 1



User Button 2



BOOT Configuration Switch

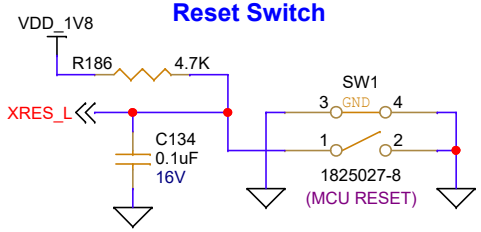


BOOT CONFIGURATION:

SW5 POSITION	BOOT LOCATION
1-2 (BOOT=0)	OEM_APP
2-3 (BOOT=1)	OEM_ALT_APP

NOTE: BOOT = 0 by default.

Reset Switch



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

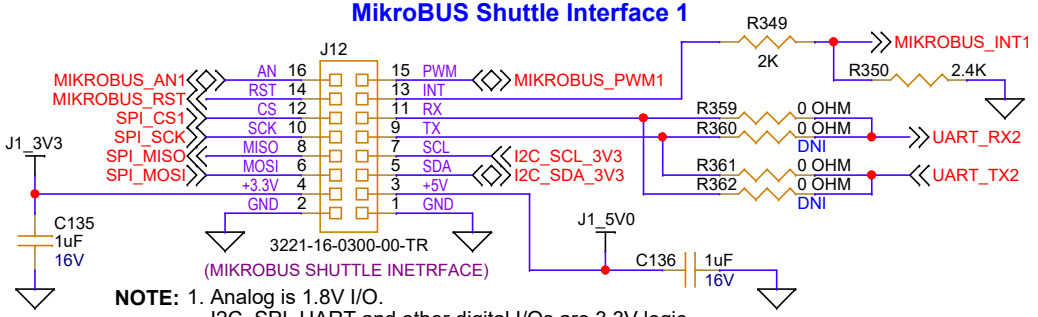
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: User Interface

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

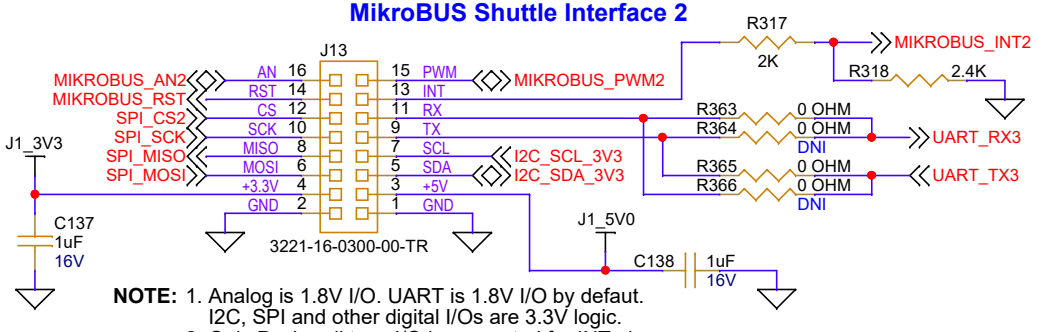
Date: Wednesday, April 01, 2026 Sheet 17 of 27

MikroBUS Shuttle Interface 1



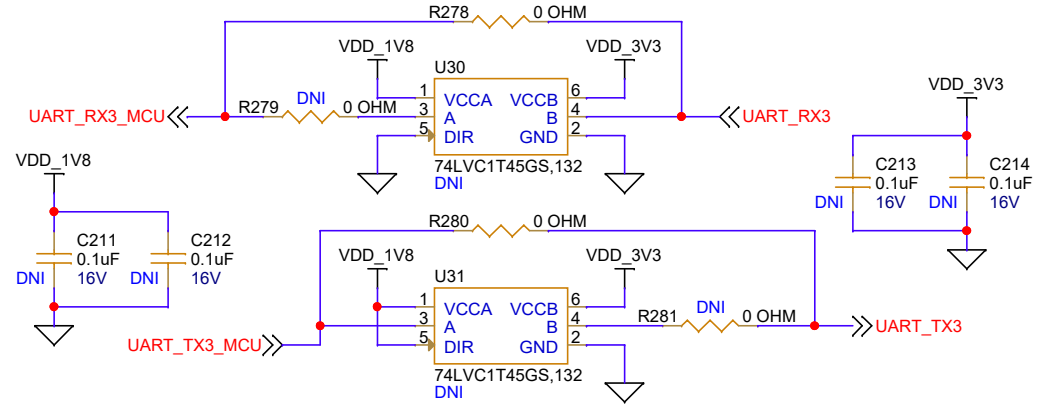
NOTE: 1. Analog is 1.8V I/O.
I2C, SPI, UART and other digital I/Os are 3.3V logic.
2. Only Push-pull type I/O is supported for INT pin.

MikroBUS Shuttle Interface 2

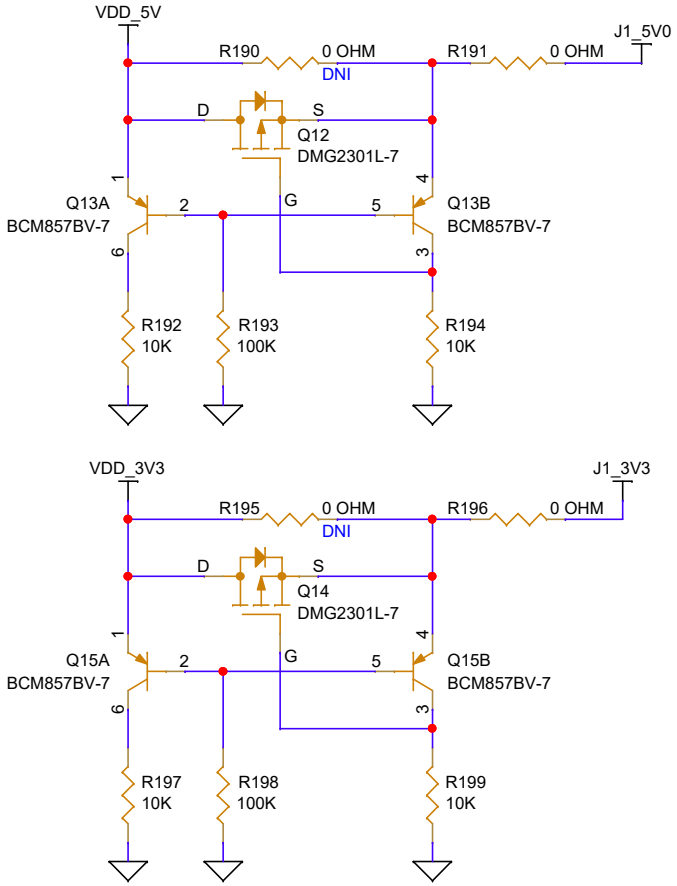


NOTE: 1. Analog is 1.8V I/O. UART is 1.8V I/O by defaut.
I2C, SPI and other digital I/Os are 3.3V logic.
2. Only Push-pull type I/O is supported for INT pin.

UART Level Translator for MikroBUS Shuttle Interface 2



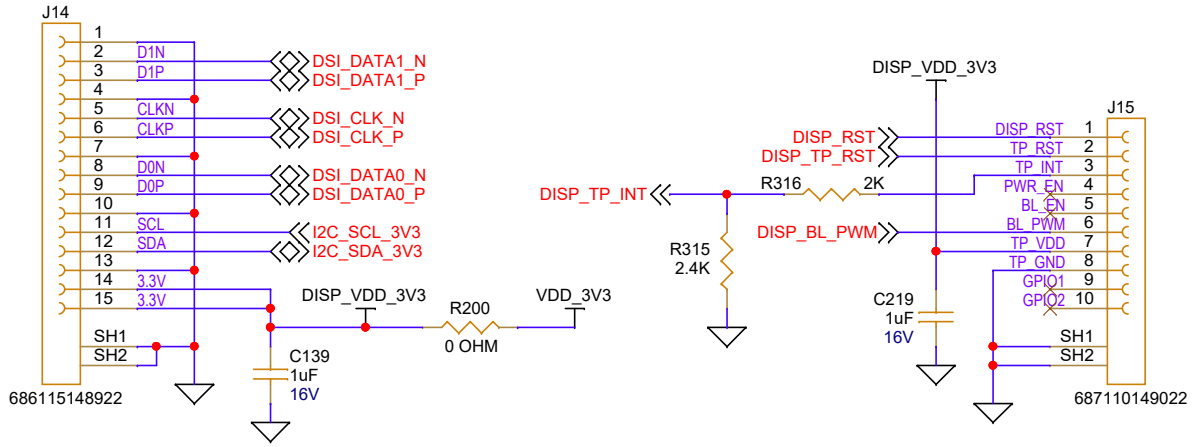
Reverse Voltage Protection for mikroBUS Headers



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: MikroBUS Interface				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date: Wednesday, April 01, 2026		Sheet 18 of 27		

MIPI-DSI R-Pi Compatible Display Interface

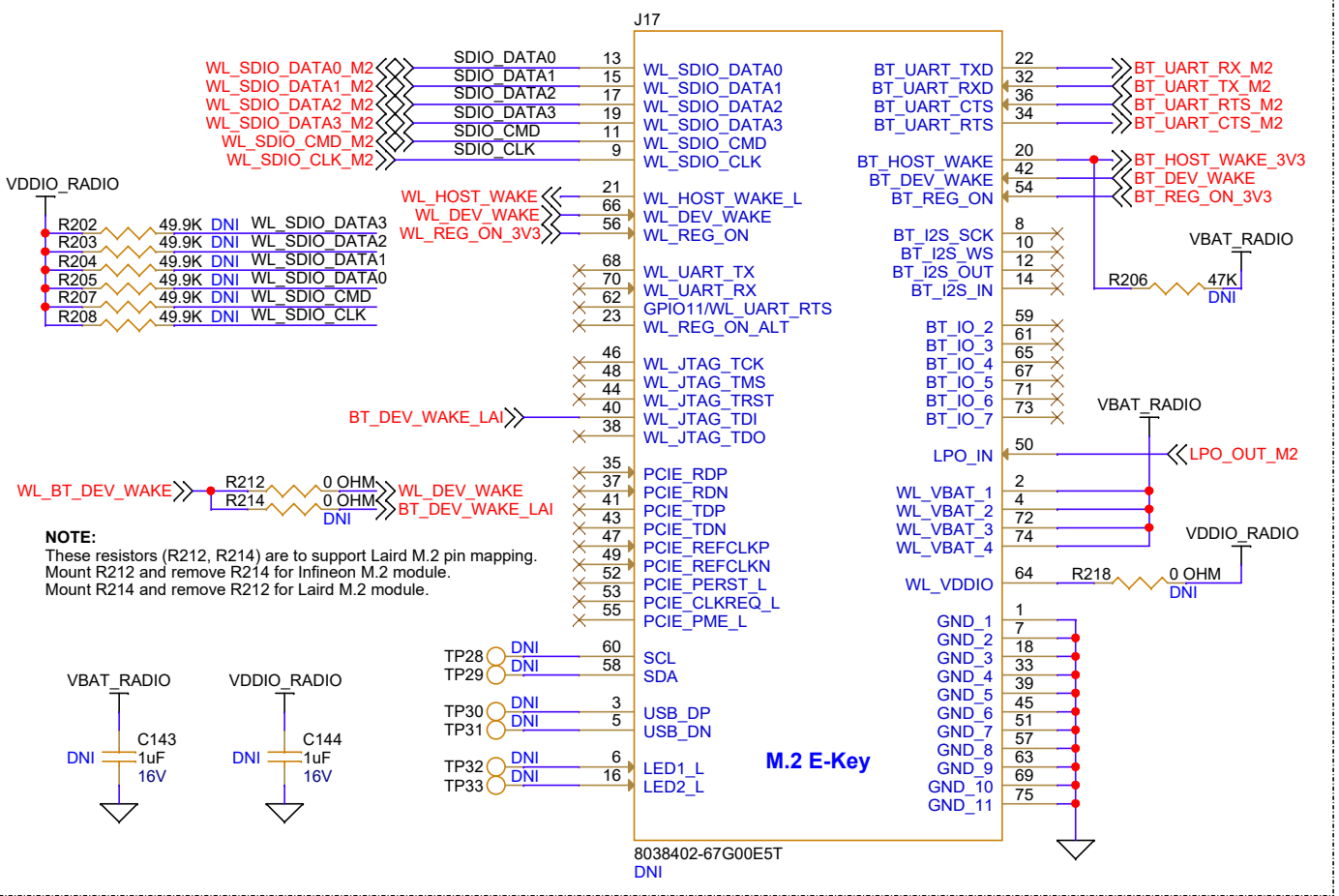


NOTE: J14 is common connector for custom 4-inch and R-Pi displays.
J15 is optional connector for custom 4-inch display.
All I/Os of J15 have 3.3V logic level.

Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

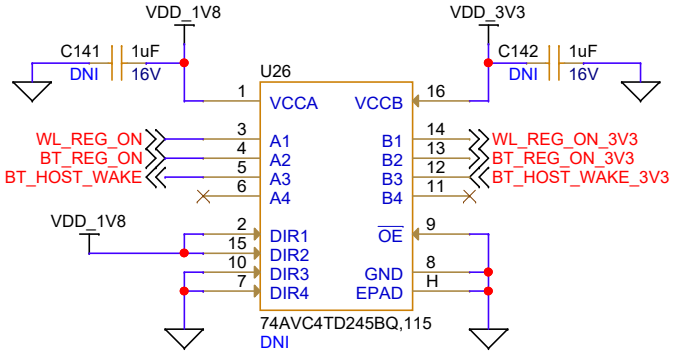
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: MIPI-DSI Display Interface				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date: Wednesday, September 23, 2026		Sheet 19 of 27		

M.2 Radio Interface Connector

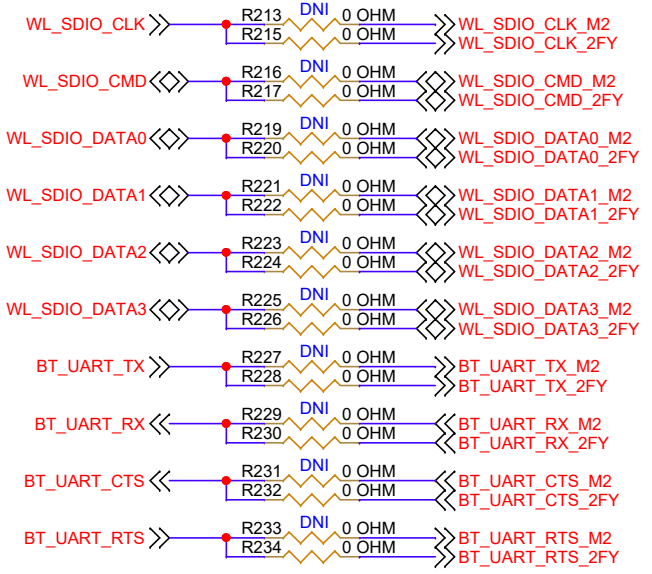


NOTE:
These resistors (R212, R214) are to support Laird M.2 pin mapping.
Mount R212 and remove R214 for Infineon M.2 module.
Mount R214 and remove R212 for Laird M.2 module.

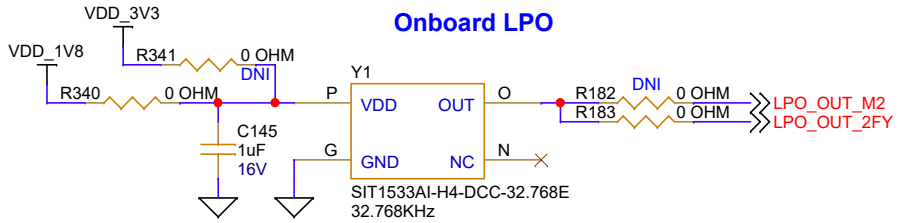
Level Translator



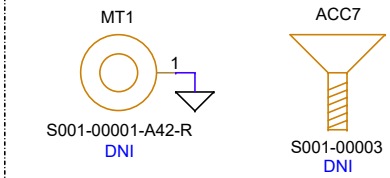
M.2 and 2FY Multiplexing



Onboard LPO



M.2 Stand-off and Screw



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

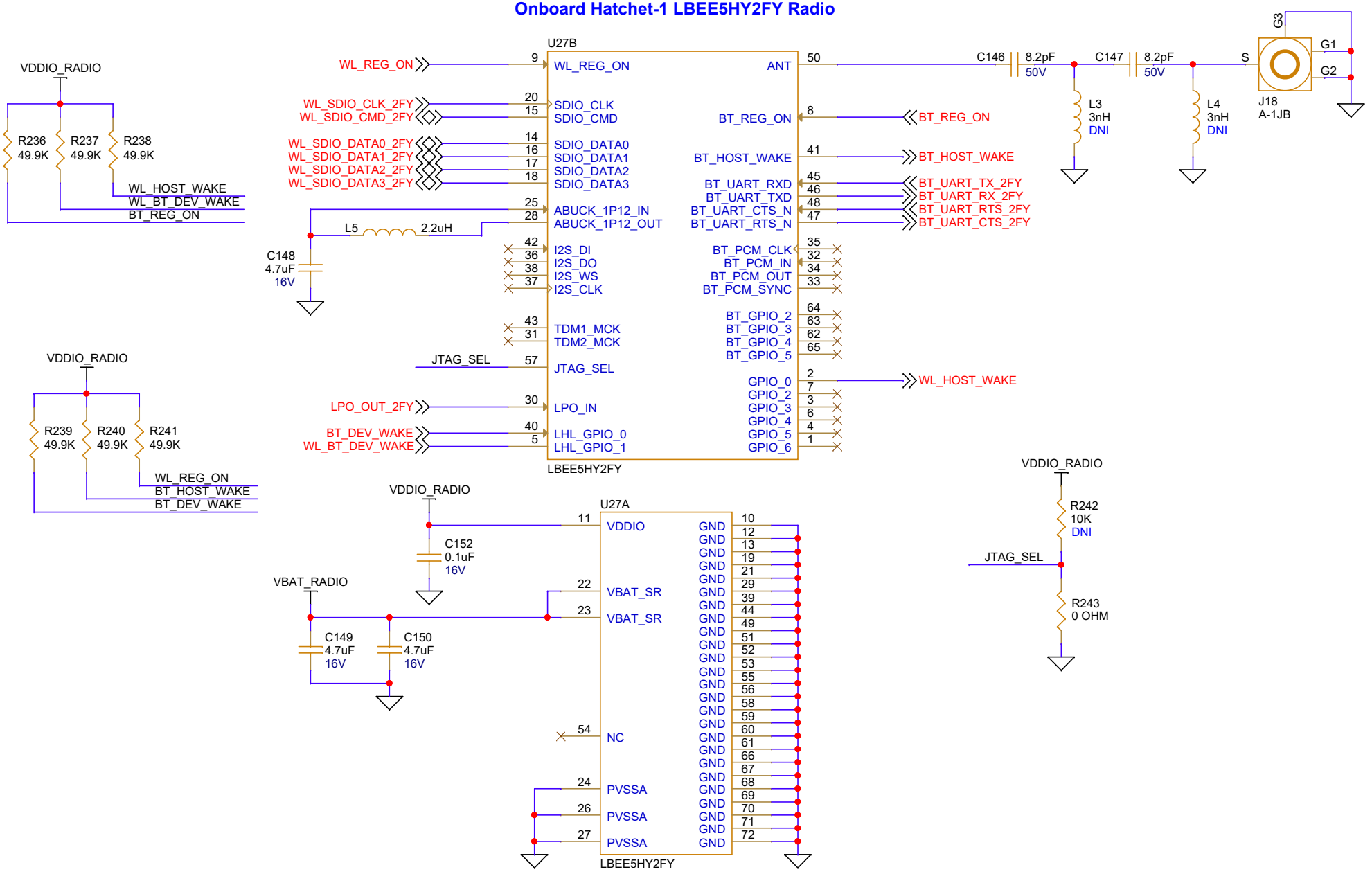
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: M.2 Radio Interface

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 20 of 27

Onboard Hatchet-1 LBEE5HY2FY Radio



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

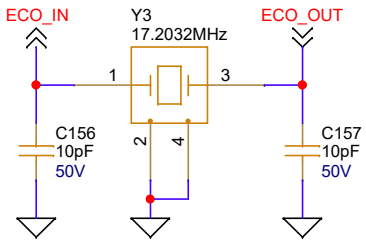
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: Hatchet-1 LBEE5HY2FY Radio

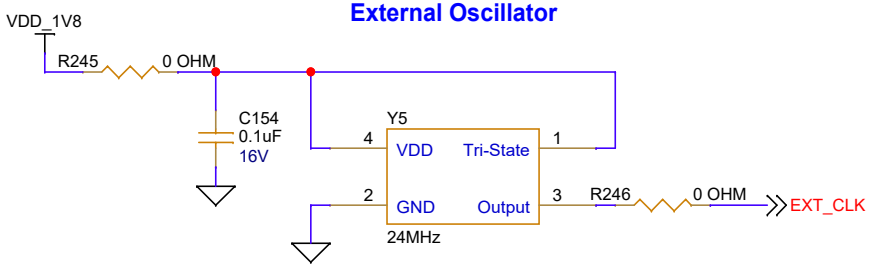
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 21 of 27

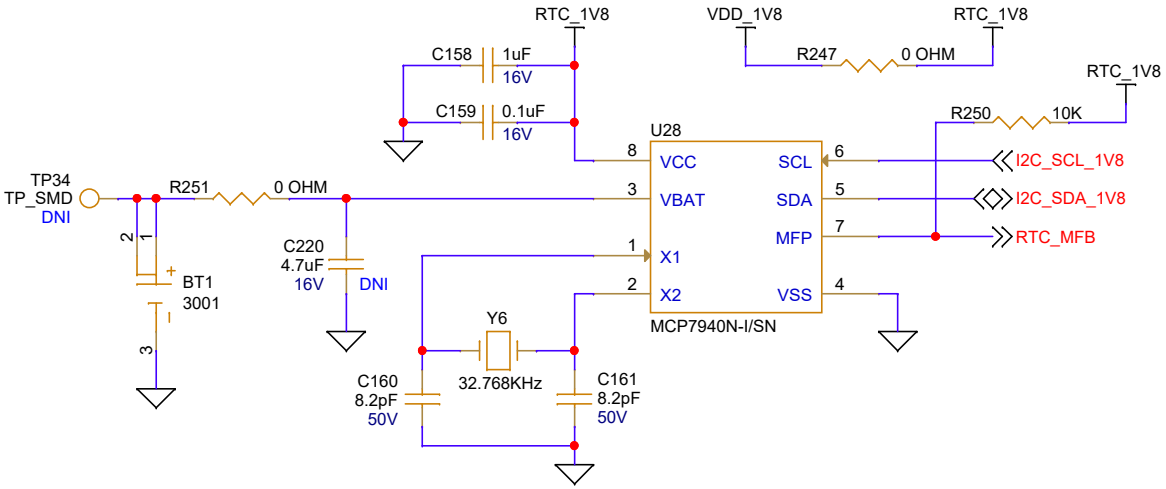
ECO



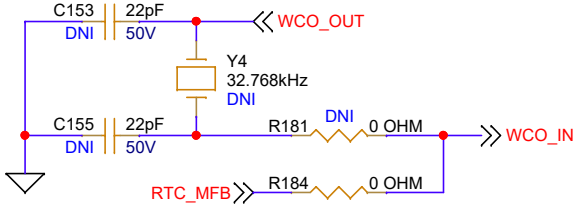
External Oscillator



Real Time Clock



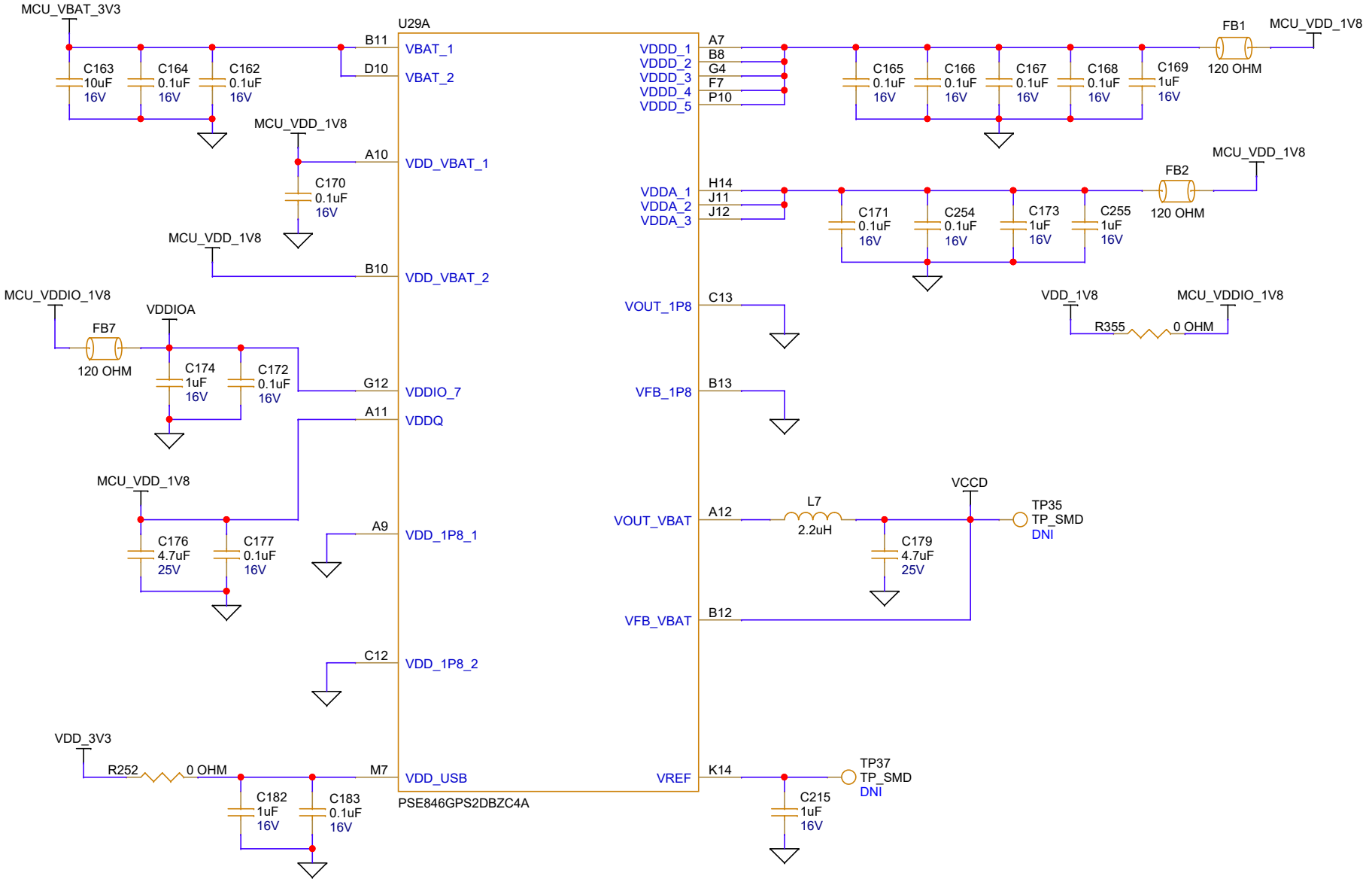
WCO



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

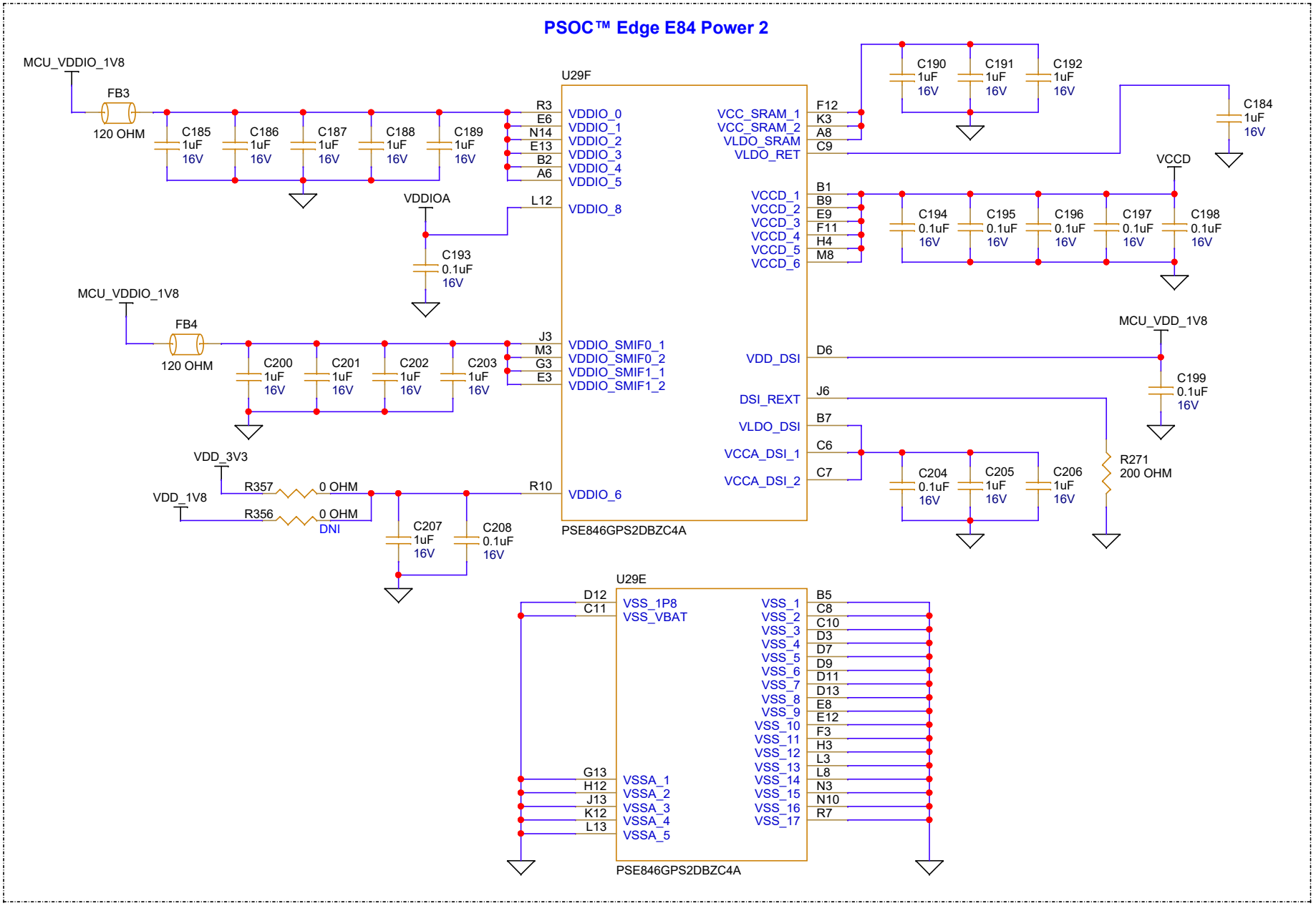
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: Crystal, Oscillator, RTC				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date: Monday, May 04, 2026		Sheet 22 of 27		

PSOC™ Edge E84 Power 1



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title : PSOC™ Edge E84 HMI Kit Baseboard				
Page Title: MCU Power 1				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0
Date: Wednesday, April 01, 2026		Sheet 23 of 27		



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

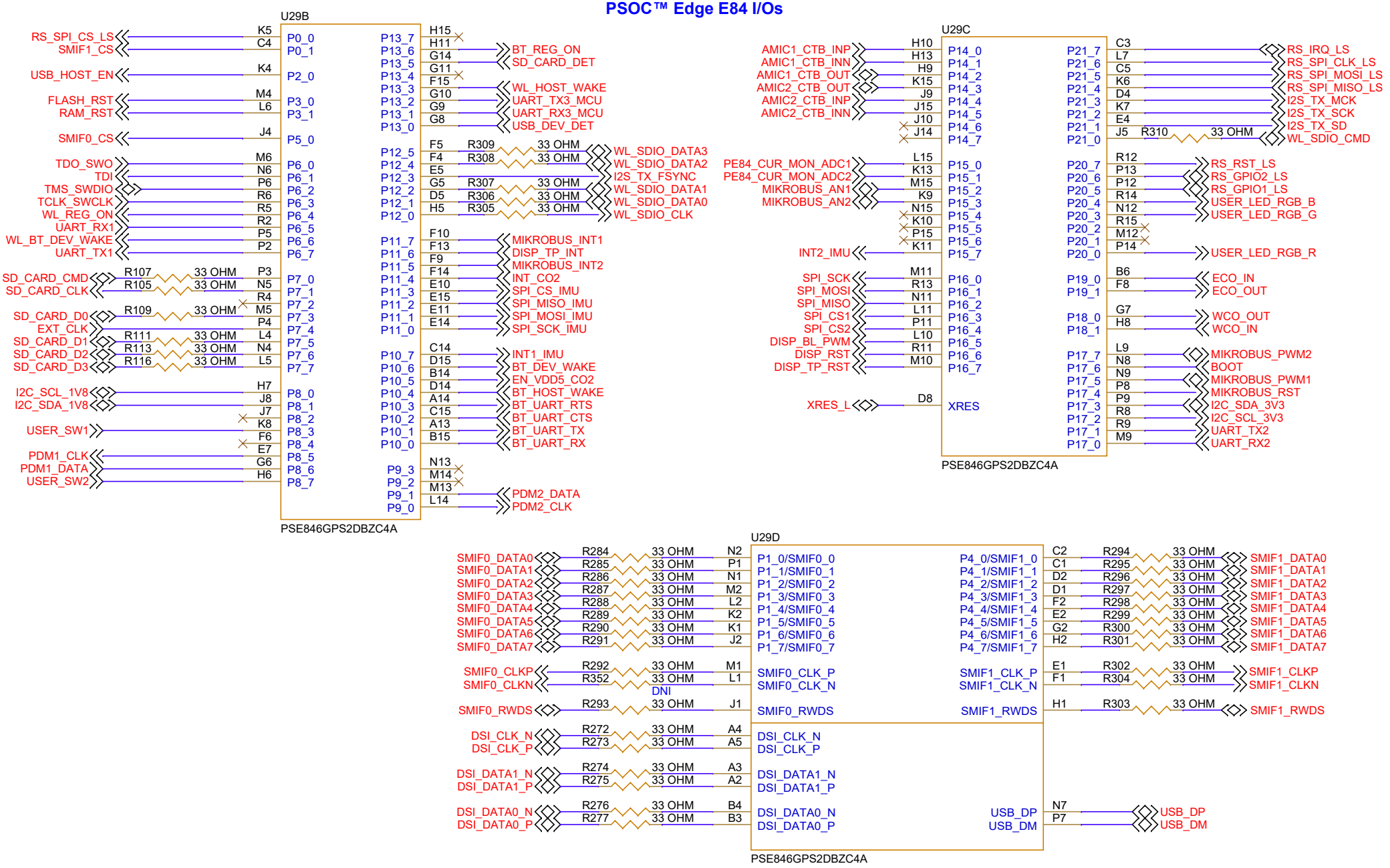
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: MCU Power 2

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 24 of 27

PSOC™ Edge E84 I/Os



Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

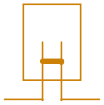
SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

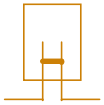
Page Title: MCU I/Os

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 25 of 27

Accessories

Jumper
151-8010-E

ACC8

Jumper
151-8010-E

ACC17

Jumper
151-8010-E

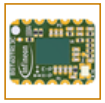
ACC18

Coin Cell
CR1220


ACC16
DNI

Camera
HBVCAM OV7675 0.3MP_USB4WS

ACC20

Radar Shield
SHIELD_BGT60TR13C

ACC21

Antenna
AANI-FB-0086-0100I

ACC19

QR Code
899-60367-01

ACC10

Double Sided Tape
TAPE

ACC9

PCBA Label
PCA Label
ACC11

LED Holder
ERM 1-030

ACC12

LED Holder
ERM 1-030

ACC13

Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: Accessories

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Wednesday, April 01, 2026 Sheet 26 of 27

REVISION HISTORY

REV	DESCRIPTION OF CHANGE	ORIG. OF CHANGE	DATE
1.0	Initial Release	RISR	17/01/2025
2.0	1. Changed Radar connector parts to smaller height (from 3.5mm to 1.5mm) 2. Updated the LED series resistor values after fine tuning: R5 to 120 OHM, R54 to 162 OHM, R174 to 953 OHM, R175 to 680 OHM 3. Made 10-pin SWD connector as DNI 4. Discrete User LEDs (D12, D14) removed 5. Made C114 as DNI 6. Added R348, R349, R350 7. Made R76, R79 as DNI (Alt. Serial Int. Config. resistors) 8. Made all User Sw. Debounce capacitors (C129-C131) as DNI 9. Updated AMIC signal processing circuit 10. DVP cam interface removed along with the supporting regulators 11. Changed 16-pin MikroBUS headers (J12, J13) to 3221-16-0300-00-TR 12. Replaced the Reset button, Mode Sw. & Power Sw. on the bottom side of the board with a higher actuator length 13. Changed RefDes as per standard: Power LED: D1 (from D4), Status LED: D2 (from D9), RGB User LED: D3 (from D13), Reset Sw: SW1 (from SW6), Mode Sw: SW3 (from SW2), User SW1: SW2 (from SW3) 14. Segregated the Display and Touch Reset pins 15. Segregated Flash and RAM Reset pins 16. Segregated IMU INT1 and INT2 pins 17. Provided optional SPI interface for IMU 18. Changed PSOC Edge E84 silicon from A0 to B0 19. Changed MCU pin mappings of INT_CO2, EN_VDD5_CO2, MIKROBUS_INT1, MIKROBUS_INT2, USER_SW3, DISP_TP_INT, RS_RST_LS, RS_GPIO1_LS, RS_GPIO2_LS, RS_IRQ_LS. 20. Changed RAM to S80KS5123GABHI023 (512 Mbit). 21. Camera module changed to HBVCAM 0.3 MP OV7675 in Block diagram. 22. User Switch 3 removed and SW5 made as a Boot Switch. 23. SW1 changed to a Right angle mount from Straight mount. 24. Boot Switch (SW5) part updated 25. SMIF0_CS changed to P5.0 and USB_HOST_EN changed to P2.0 26. Updated U1, U2 to new parts 27. C209 added across R28 instead of putting before it. C210 removed 28. USB VBUS Detect section circuit updated 29. U10 updated to Octal Flash (1 Gbit) from QSPI Flash 30. R236-R241 changed to 49.9K from 10K 31. R242 made DNI and R243 as populated 32. Extended MIC Board Interface added 33. AMICs, DMICs and RGB LED sections removed 34. BT_REG_ON pin assignment changed to P13.6 35. Changed TP15-TP18 to SMD 36. ACC16 made DNI	RISR	03/09/2025
3.0	1. Swapped SMIF0_DATA5 and SMIF0_DATA7 connections at U10 2. Updated with Wurth alternate parts	RISR	23/09/2025
4.0	1. R159 value changed to 47K from 49.9K 2. MCU Pin mapping for PDM2 changed from P8.2, P8.4 to P9.0, P9.1 3. R355, R356, R357, R358, C254, C255, FB7, ACC12, ACC13 added 4. R252 package changed from 0603 to 0805 5. Alternate serial interface removed 6. MikroBUS Shuttle Interface connector (J12, J13) connections mirrored horizontally and vertically 7. Added R359-R366 to swap UART lines for MikroBUS Shuttle interface 8. L3, L4 made DNI 9. U20 made as DNI	RISR	10/12/2025
5.0	1. C156, C157 changed from 5% to 2% tolerance capacitors 2. Y6 changed with new part 3. C160, C161 changed from 22pF to 8.2pF capacitors	RISR	04/05/2026

Legal Disclaimer :
The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics. With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation, warranties of non-infringement of intellectual property rights of any third party.

SCH Title : PSOC™ Edge E84 HMI Kit Baseboard

Page Title: Revision History

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60749-01	RISR	RKPM	5.0

Date: Monday, May 04, 2026 Sheet 27 of 27