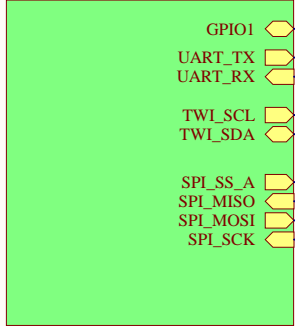
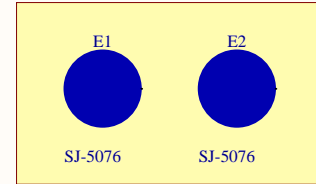
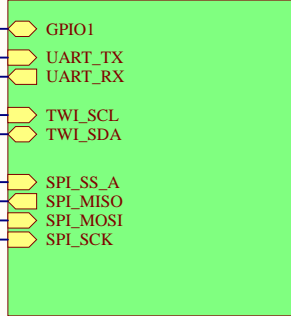


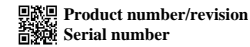
U_XPRO_Extension_TEMPLATE
88CKSCKT_XPRO_connector.SchDoc



U_CryptoSheet
88CKSCKT_XPRO_Socket.SchDoc



LABEL1



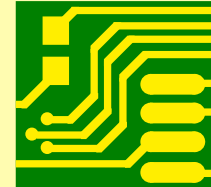
Label PCBA

BOM Variant Component Substitution Table

VARIANT NAME	PCBA DOC	TEST DOC	TEST SFTWR
SOIC Socket	A12-1175	A12-1172	A11-0350
UDFN Socket	A12-1176	A12-1173	A11-0351

Place PCB component here

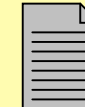
PCB1



A08-2550
88CKSCKT PCB

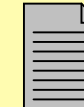
Place PCBA, TEST, TESTDOC documentation components here

DOC1



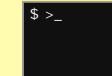
A12-1176

TESTDOC1



A12-1173

TEST1



A11-0351

Drawn By:

Jim Boomer

Engineer:

Jim Boomer



Project Title

88CKSCKTSOIC-UDFN Socket boards

Sheet Title

XPRO_Extension_TopLevel_Template_4L

Size A4

PCB Assembly Number: *

PCBA Revision: 1

PCB Number: *

PCB Revision: *

Designed with

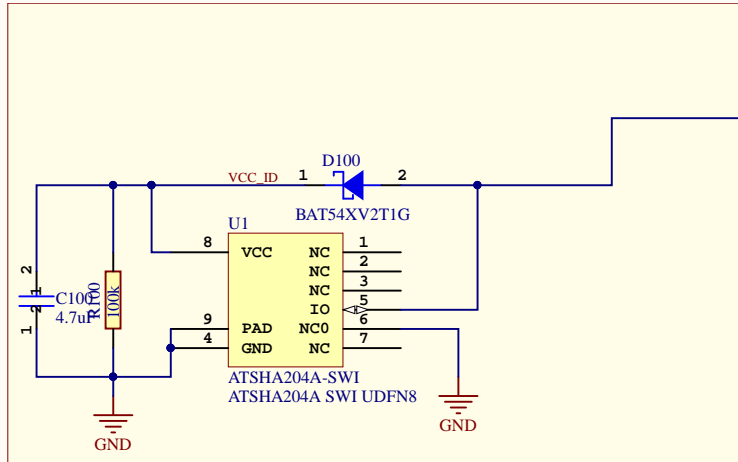
Altium

Altium.com

Date: 11/22/2017

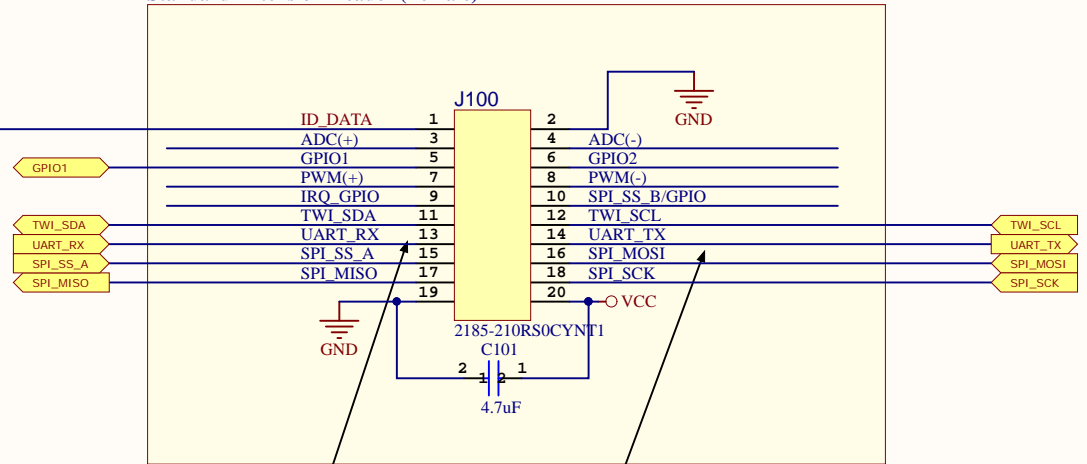
Page: 1 of 3

Extension Identification



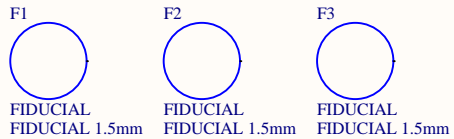
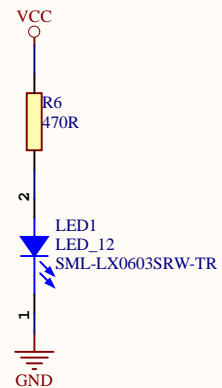
[DESIGN NOTE]
 The ATSHA204 is powered through an IO Pin from the EDBG on an MCU board.
 R100 is present to drain the capacitor C100 when power is removed from an MCU board.

Standard Extension Header (Female)



[DESIGN NOTE]
IMPORTANT NOTICE:
 UART_RX and UART_TX refer to RX (input) and TX (output) at the target device side. Connect UART_RX to TX of the UART device on the extension board and UART_TX to RX of the UART device on the extension board.

LED Power Circuit



Drawn By: Jim Boomer		
Engineer: Jim Boomer		
Project Title *	Designed with 	
Sheet Title XPRO_Extension_Connector_Template_4L	Altium.com	
Size A4	PCB Assembly Number: *	PCBA Revision: 1
	PCB Number: *	PCB Revision: *
File: 88CKSCKT_XPRO_Connector.SchDoc	Date: 11/22/2017	Page: 2 of 3

GN0 GN1 ADC_+ GNIOA PWM_+ SSB TWI_SCL UART_TX MOSI SCK VCC
ID-EXT ADC_+ GPIOB PWM_+ IRQ/SPIM_SDA UART_RX SSA MISO GND

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PCBA LABEL

A08-2550 Rev 3

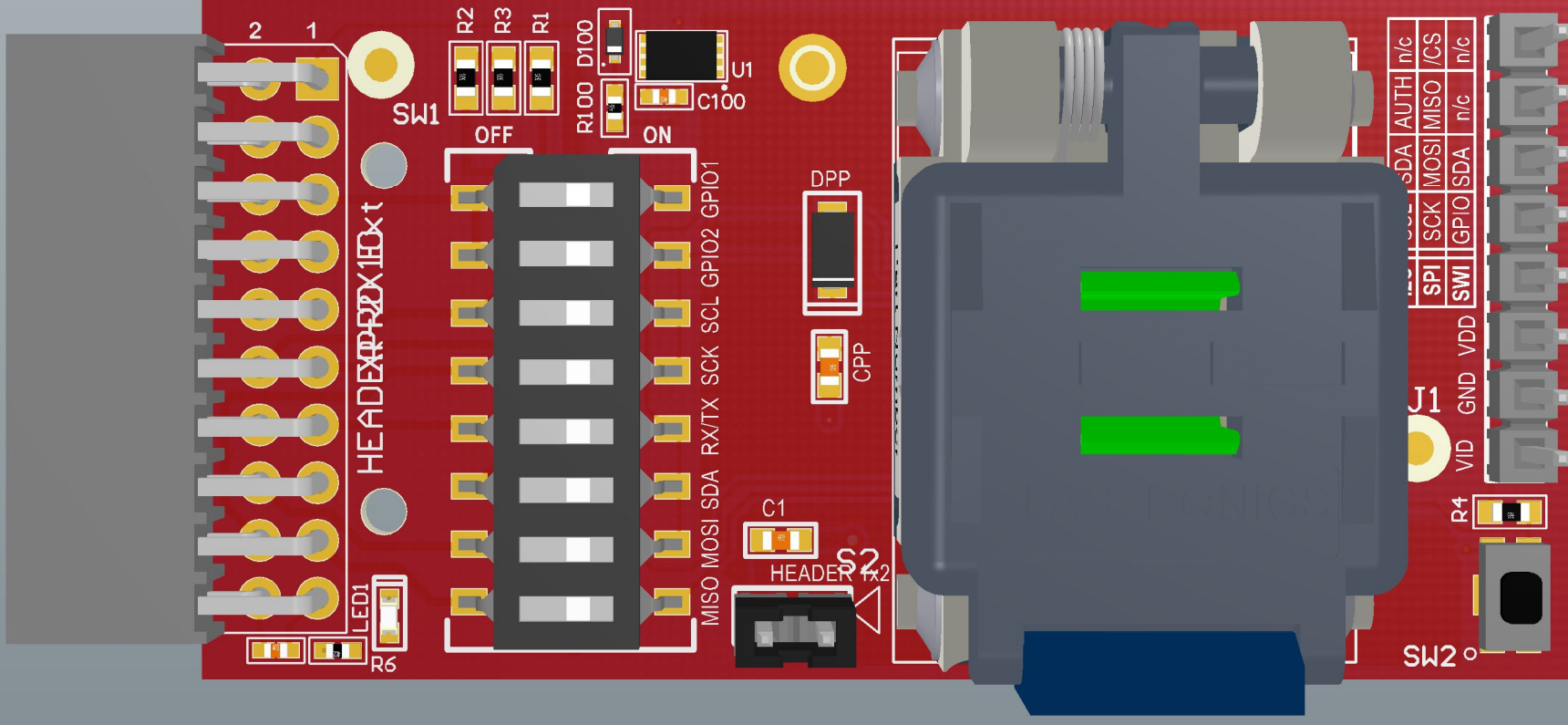
88CKSCKT X PLAINED PRO



MODE	S1	S2	S3	S4	S5	S6	S7	S8
SPI	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
I2C	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
QWI	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF

Switch Settings

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GND	ADC-	GPIOA	PWM-	SSB	TMU_SCL	UART_TX	MOSI	SCK	VCC
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ID-EXT	ADC+	GPIOB	PWM+	IR/GPIO	TMU_SDA	UART_RX	SSA	MISO	GND
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Microchip Corp© 2017

PCBA LABEL
A08-2550 Rev 3

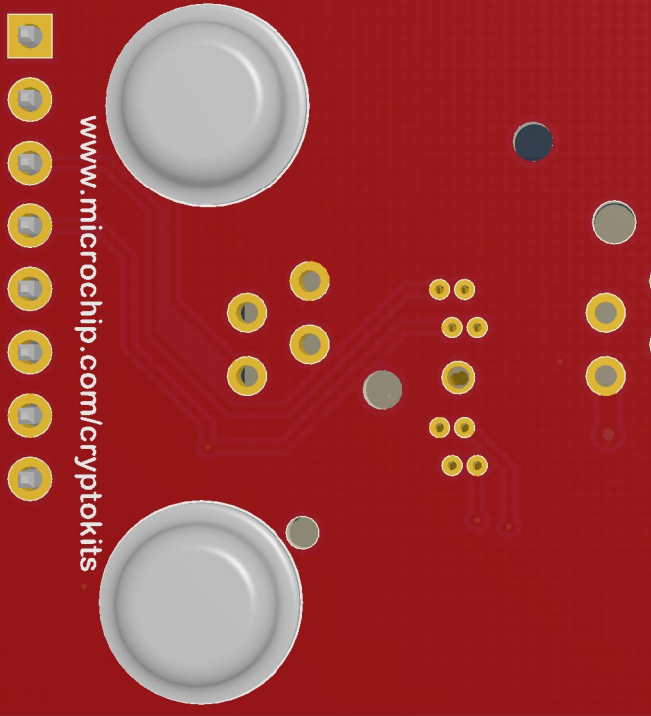


88CKSCKT X PLAINED PRO

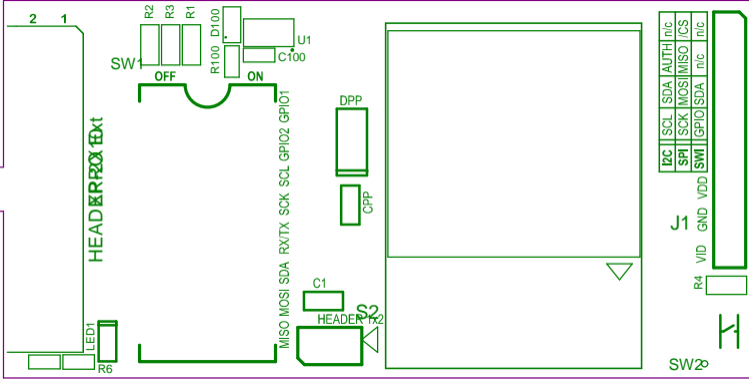


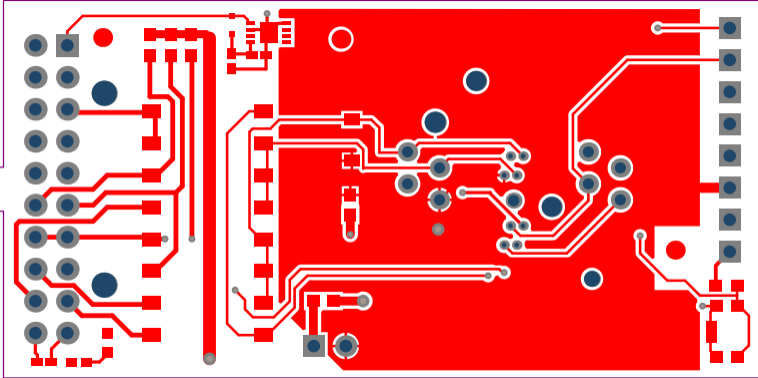
MODE	S1	S2	S3	S4	S5	S6	S7	S8
SPI	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
I2C	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
SWI	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF

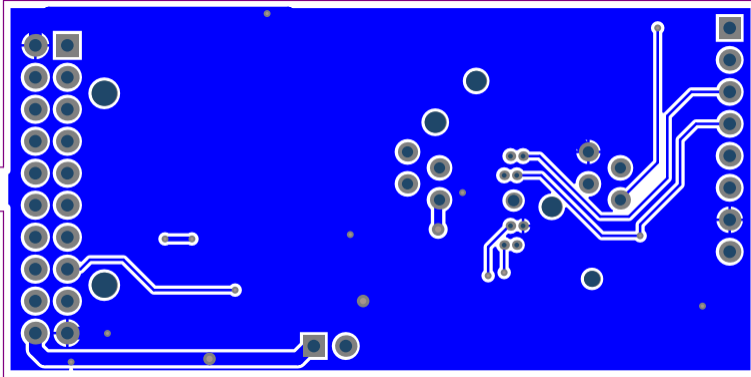
Switch Settings



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Switch Settings

SMI	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
ISC	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	
SPI	OFF	OFF	OFF	ON	OFF	OFF	ON	ON	
MODE	21	25	23	24	22	29	21	28	



MICROCHIP

88CK2CK1

X

PLAINED PRO



A08-5P20 Rev 3
PCBA LABEL

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IDEXT1 VDC+ GNIOB PNM+ IRO/GNIO TMI_3DV UVRT_RX 28V M3O GND

GND VDC- GNIOA PNM- 28B TMI_SCT UVRT_TX M0B 30X VCC