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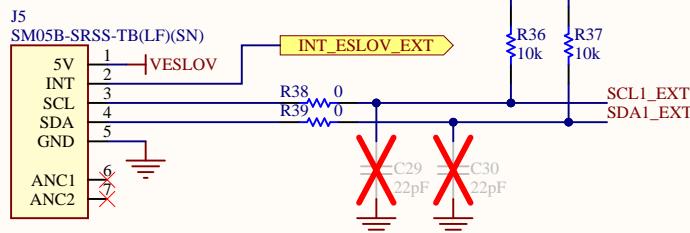
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Title: TOP	
ID: ABX00050	Revision: V1.0
Date: 2022-11-25	Time: 17:34:42
File: TOP.SchDoc	Sheet 1 of 7
Author: Francesca Cenna	RevAuthor: Silvio Navaretti

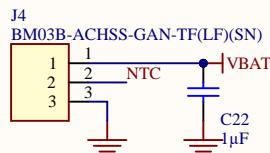


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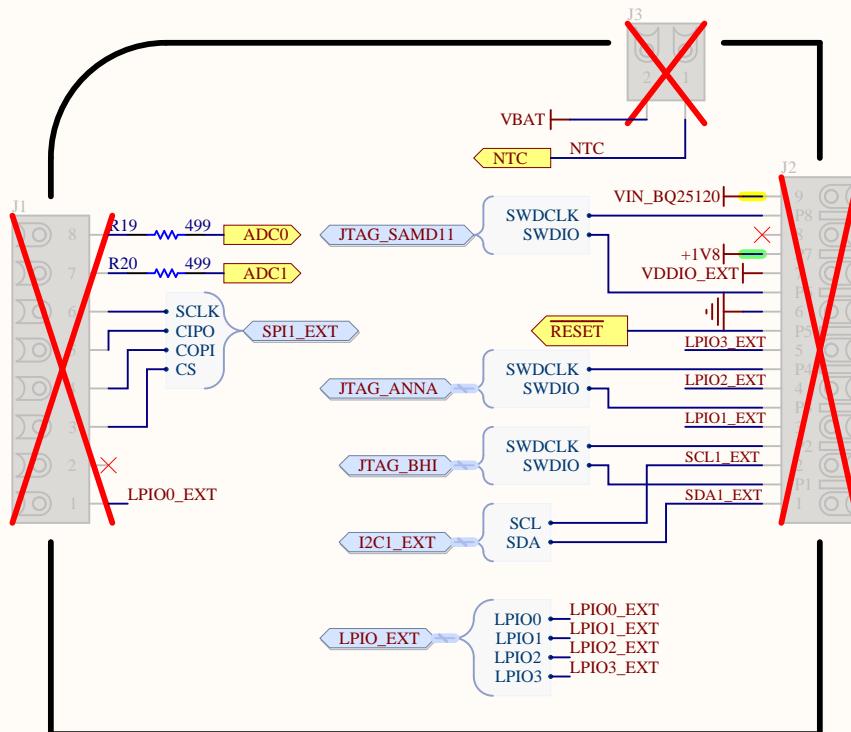
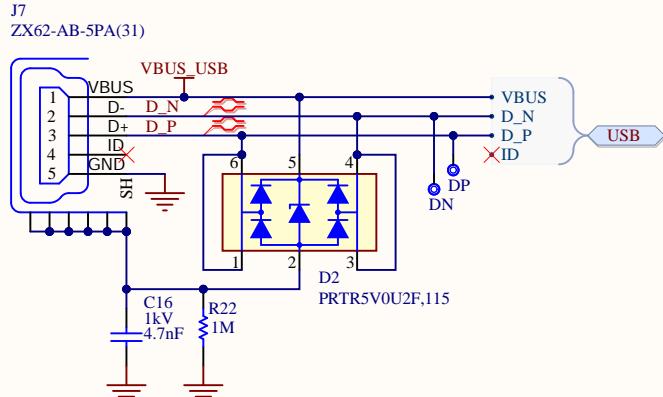
ESLOV CONNECTOR



BATTERY CONNECTOR



USB CONNECTOR



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Title: CONNECTORS

ID: ABX00050

Revision: V1.0

Date:

2022-11-25

Time: 17:34:45

Sheet 2 of 7

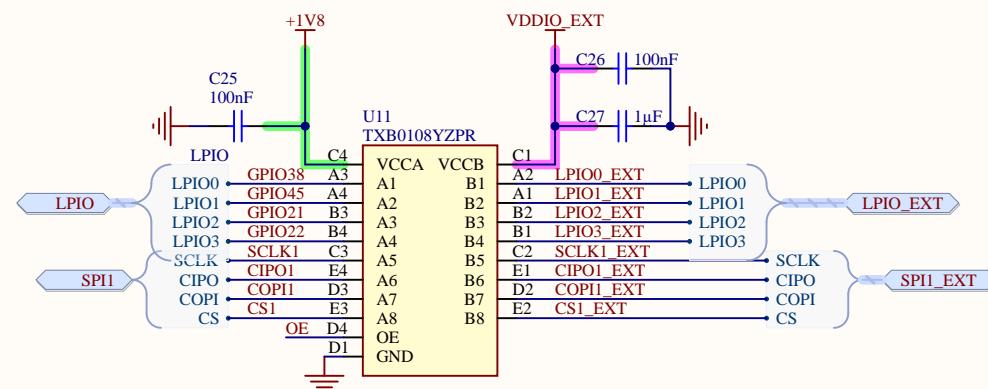
File: Connectors.SchDoc

Author: Francesca Cenna

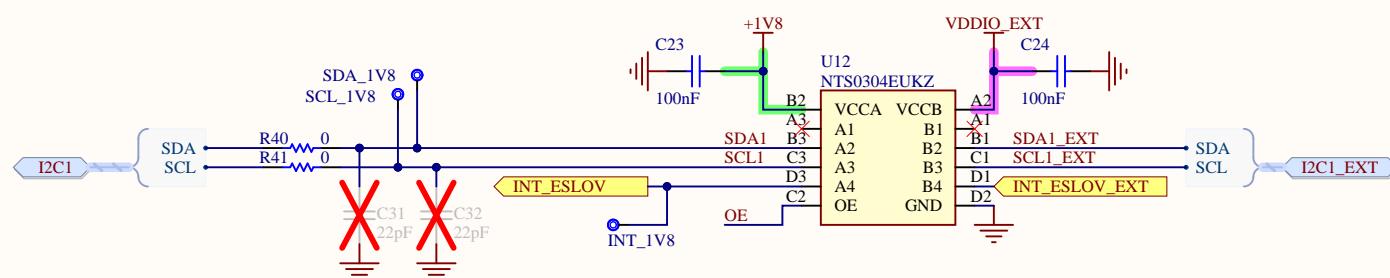
RevAuthor: Silvio Navaretti



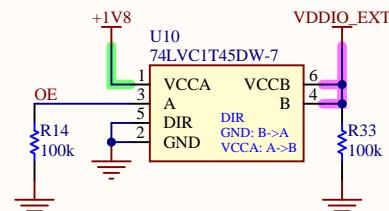
A



B



C



D

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Title: **LEVEL SHIFTERS**

ID: **ABX00050**

Revision: **V1.0**

Date: **2022-11-25**

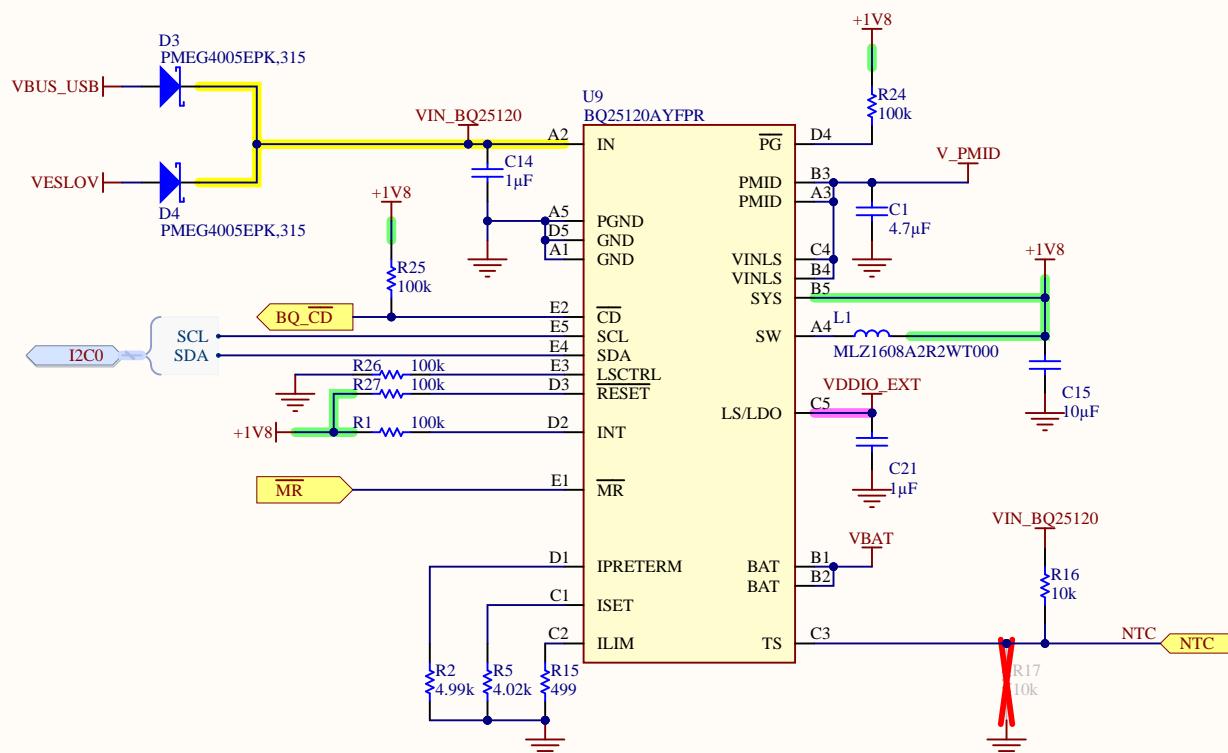
Time: **17:34:48**

Sheet **3** of **7**

File: **LevelShifters.SchDoc**

Author: **Francesca Cenna**





BATTERY-PACK NTC MONITOR			MIN	TYP	MAX	UNIT
V _{HOT}	High temperature threshold	V _{TS} falling, 1% V _{IN} Hysteresis	14.5	15	15.2	%V _{IN}
V _{WARM}	Warm temperature threshold	V _{TS} falling, 1% V _{IN} Hysteresis	20.1	20.5	20.8	%V _{IN}
V _{COOL}	Cool temperature threshold	V _{TS} rising, 1% V _{IN} Hysteresis	35.4	36	36.4	%V _{IN}
V _{COLD}	Low temperature threshold	V _{TS} rising, 1% V _{IN} Hysteresis	39.3	39.8	40.2	%V _{IN}
TS _{OFF}	TS Disable threshold	V _{TS} rising, 2% V _{IN} Hysteresis	55		60	%V _{IN}

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Title: **POWER**

ID: **ABX00050**

Revision: **V1.0**

Date: **2022-11-25** Time: **17:34:50**

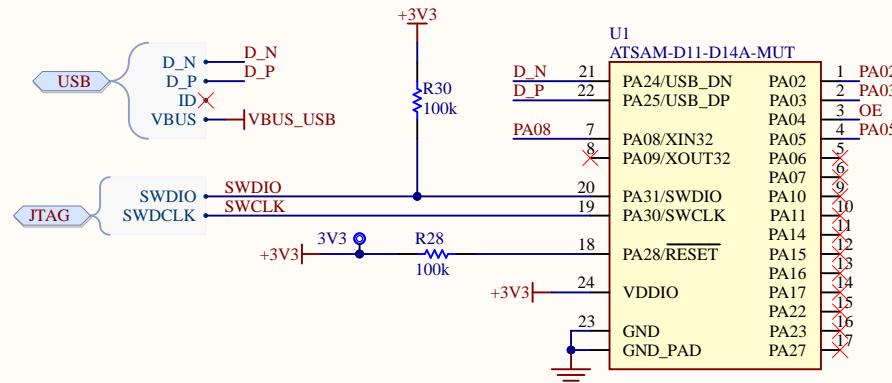
Sheet **4** of **7**

File: **Power_bq.SchDoc**

Author: **Francesca Cenna**

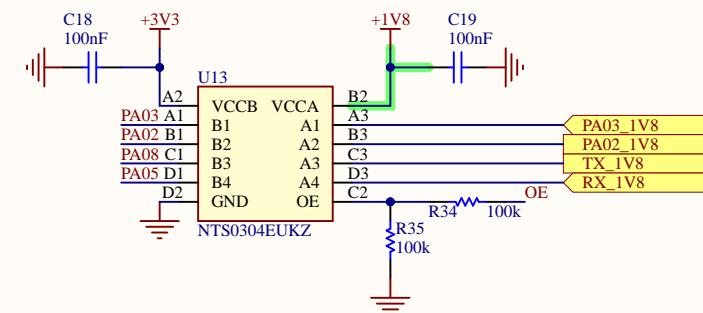


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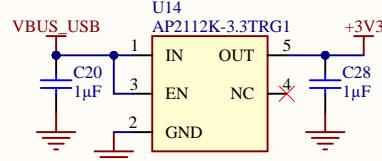
B

LEVEL TRANSLATOR



C

LDO 3V3



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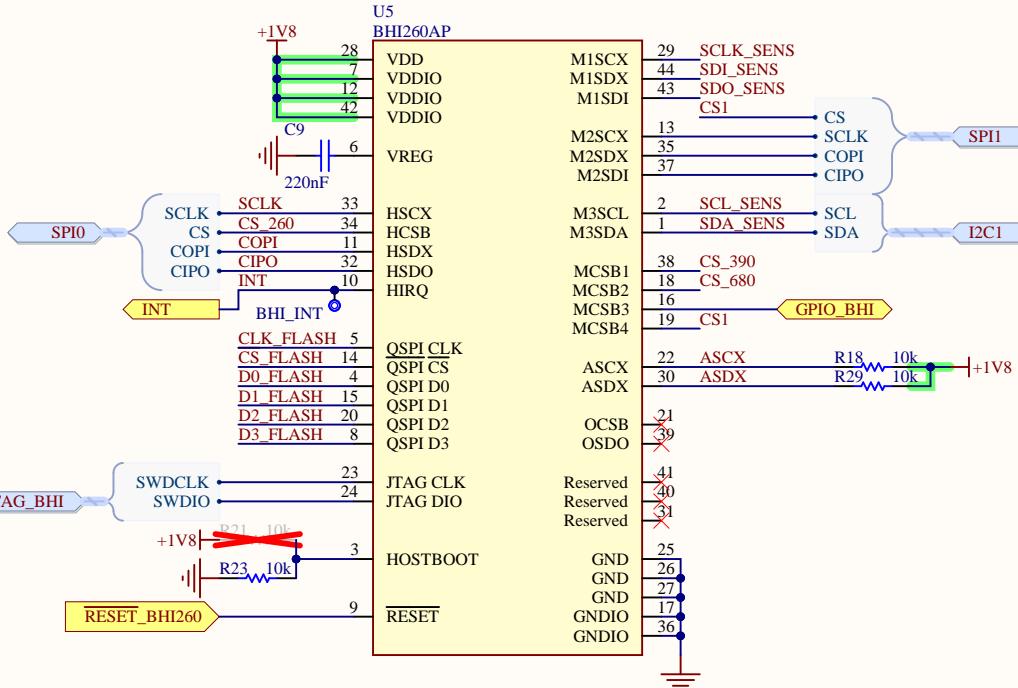
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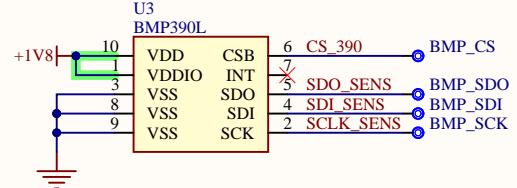
Title: **USB BRIDGE**ID: **ABX00050**Revision: **V1.0**Date: **2022-11-25**Time: **17:34:53**Sheet **5** of **7**File: **SAMD11 USB Bridge.SchDoc**Author: **Francesca Cenna**

1 2 3 4

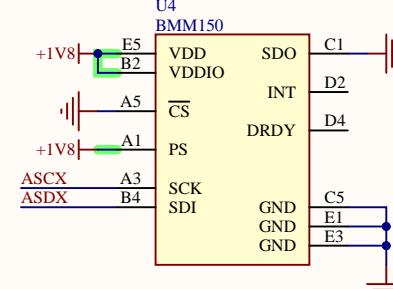
Sensor Fusion / 6 DOF IMU



Pressure Sensor



Magnetometer



1 2 3 4

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Title: SENSORS

ID: ABX00050

Revision: V1.0

Date:

2022-11-25

Time:

17:34:56

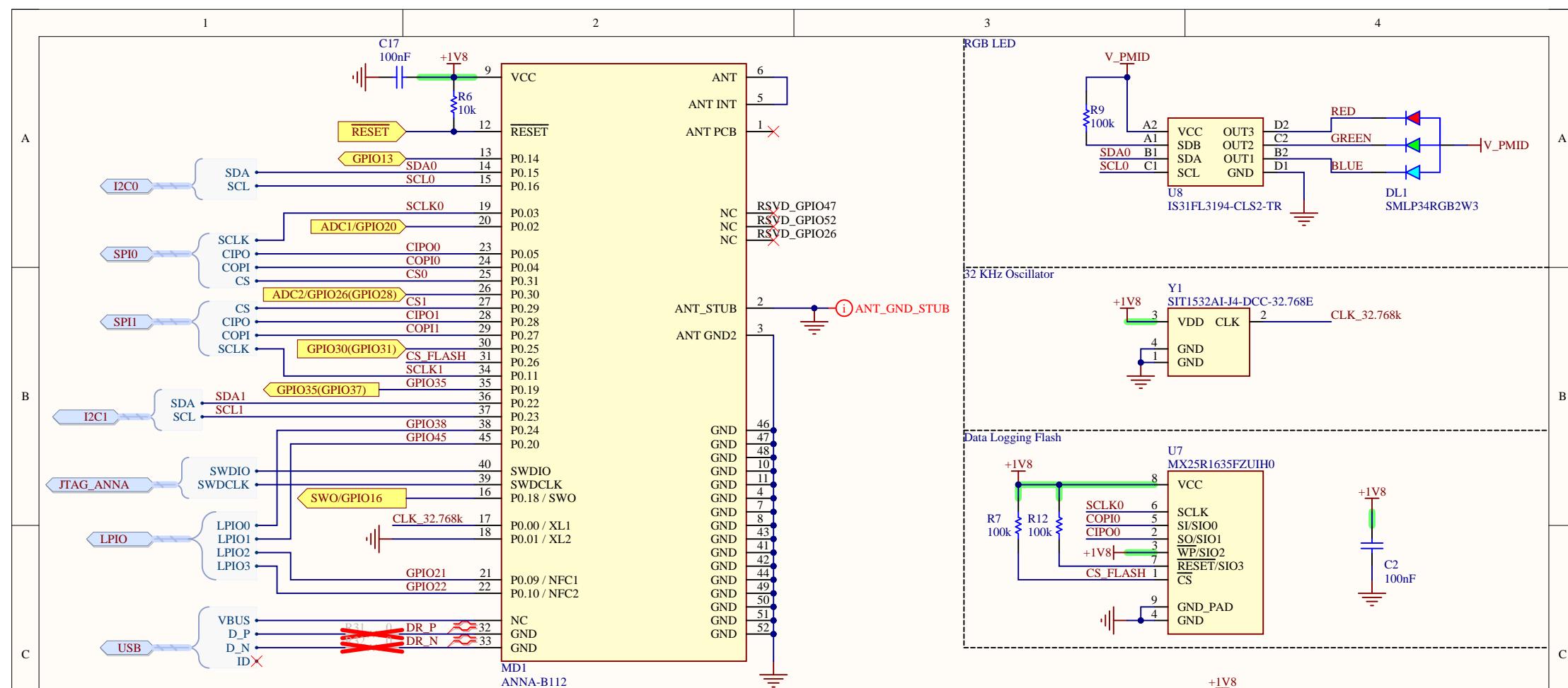
Sheet 6 of 7

File: Sensors.SchDoc

Author: Francesca Cenna



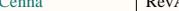
4



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Title: ANNAB112			
ID: ABX00050	Revision: V1.0		
Date: 2022-11-25	Time: 17:34:59	Sheet 7 of 7	
File: ANNAB112_B0.SchDoc	Author: Francesca Cenna	RevAuthor: Silvio Navaretti	

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