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## PRODUCT CHANGE NOTIFICATION (PCN)

ISSUE DATE: 03.08.2023  
MODIFICATION / REVISION DATE: 03.08.2023

### A-USB31C-03M-xxx USB Type-C male to SATA 7+15 Cable

CHANGE NOTIFICATION: PCN 20230803\_A-USB31C-03M-xxx

DESCRIPTION OF CHANGES: CHANGE OF DATA SHEET  
CHANGE OF DATA SHEET  
New Draw.-No. ASS\_10359\_CArev03

REASON FOR CHANGE: CHANGE OF PRODUCT DIMENSIONS, TOLERANCES AND/OR PROPERTIES  
CHANGE OF PRODUCT DIMENSIONS, TOLERANCES AND/OR PROPERTIES

KEY CHARACTERISTICS OF CHANGE: Details see page 3

PRODUCTS AFFECTED: A-USB31C-03M-100 & A-USB31C-03M-030

DATE OF CHANGE AND IMPLEMENTATION: CHANGE: WEEK 31 / YEAR 2023  
IMPLEMENTATION: 08.03.23

RESPONSE: NO RESPONSE TO THIS NOTIFICATION IS REQUIRED

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**PRODUCT CHANGE NOTIFICATION (PCN)**

ISSUE DATE: 03.08.2023  
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REFERENCE DOCUMENTS / ATTACHMENTS:  
DOCUMENT: DRAWING

ASSMANN WSW P/N	Drawing Number		ASSMANN WSW P/N	Drawing Number
A-USB31C-03M-100 & A-USB31C-03M-030	ASS_10359_CArev02	↔	A-USB31C-03M-100 & A-USB31C-03M-030	ASS_10359_CArev03



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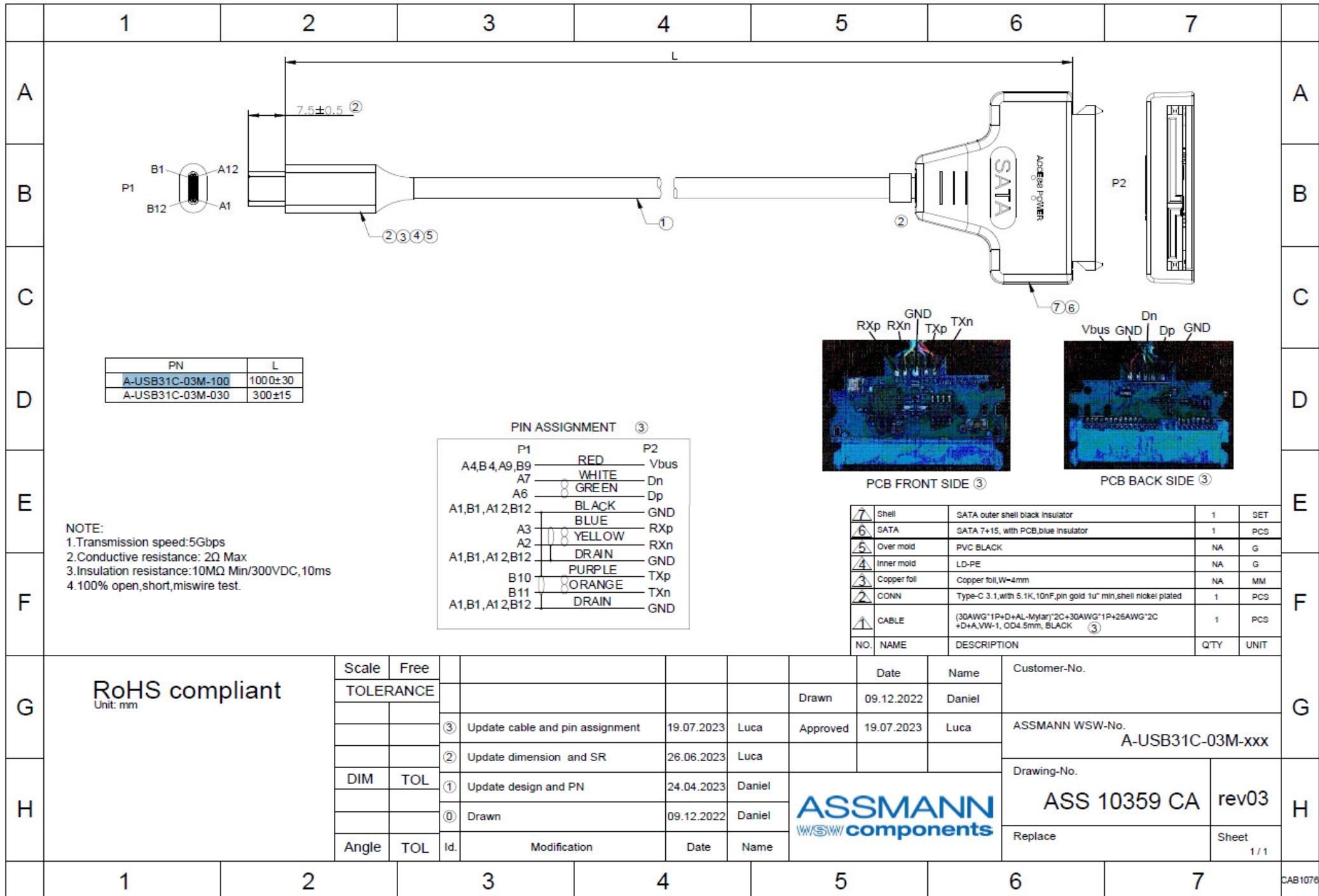
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A-USB31C-03M-xxx OLD VERSION	A-USB31C-03M-100 & A-USB31C-03M-030 NEW VERSION																																																																								
<p>Wiring:</p> <div data-bbox="233 763 683 1115" style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">PIN ASSIGNMENT</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">P1</th> <th style="width: 40%;"></th> <th style="width: 30%;">P2</th> </tr> </thead> <tbody> <tr> <td>A4,B4,A9,B9</td> <td>RED</td> <td>1 5V</td> </tr> <tr> <td>A7</td> <td>WHITE</td> <td>2 D-</td> </tr> <tr> <td>A6</td> <td>GREEN</td> <td>3 D+</td> </tr> <tr> <td>A1,B1,A12,B12</td> <td>BLACK</td> <td>4 GND</td> </tr> <tr> <td>A3</td> <td>BLUE</td> <td>5 TXN</td> </tr> <tr> <td>A2</td> <td>YELLOW</td> <td>9 TXP</td> </tr> <tr> <td>A1,B1,A12,B12</td> <td>DRAIN</td> <td>8 GND</td> </tr> <tr> <td>B10</td> <td>PURPLE</td> <td>7 RXN</td> </tr> <tr> <td>B11</td> <td>ORANGE</td> <td>6 RXP</td> </tr> <tr> <td>A1,B1,A12,B12</td> <td>DRAIN</td> <td>10 GND</td> </tr> </tbody> </table> </div> <p>Cable:</p> <div data-bbox="189 1279 743 1339" style="border: 1px solid black; padding: 2px; margin: 10px auto; width: fit-content;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">▲</td> <td style="width: 10%;">CABLE</td> <td style="font-size: small;">((7/0.080T+250D)*1P+D+AL+HM)*2C+7/0.080T*1P+7/0.16T*2C+D(7/0.16B)+F+AB16/4/0.10T,VW-1</td> </tr> </table> </div>	P1		P2	A4,B4,A9,B9	RED	1 5V	A7	WHITE	2 D-	A6	GREEN	3 D+	A1,B1,A12,B12	BLACK	4 GND	A3	BLUE	5 TXN	A2	YELLOW	9 TXP	A1,B1,A12,B12	DRAIN	8 GND	B10	PURPLE	7 RXN	B11	ORANGE	6 RXP	A1,B1,A12,B12	DRAIN	10 GND	▲	CABLE	((7/0.080T+250D)*1P+D+AL+HM)*2C+7/0.080T*1P+7/0.16T*2C+D(7/0.16B)+F+AB16/4/0.10T,VW-1	<p>Wiring:</p> <div data-bbox="922 757 1350 1115" style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">PIN ASSIGNMENT ③</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">P1</th> <th style="width: 40%;"></th> <th style="width: 30%;">P2</th> </tr> </thead> <tbody> <tr> <td>A4,B4,A9,B9</td> <td>RED</td> <td>Vbus</td> </tr> <tr> <td>A7</td> <td>WHITE</td> <td>Dn</td> </tr> <tr> <td>A6</td> <td>GREEN</td> <td>Dp</td> </tr> <tr> <td>A1,B1,A12,B12</td> <td>BLACK</td> <td>GND</td> </tr> <tr> <td>A3</td> <td>BLUE</td> <td>RXp</td> </tr> <tr> <td>A2</td> <td>YELLOW</td> <td>RXn</td> </tr> <tr> <td>A1,B1,A12,B12</td> <td>DRAIN</td> <td>GND</td> </tr> <tr> <td>B10</td> <td>PURPLE</td> <td>TXp</td> </tr> <tr> <td>B11</td> <td>ORANGE</td> <td>TXn</td> </tr> <tr> <td>A1,B1,A12,B12</td> <td>DRAIN</td> <td>GND</td> </tr> </tbody> </table> </div> <p>Cable:</p> <div data-bbox="847 1279 1453 1339" style="border: 1px solid black; padding: 2px; margin: 10px auto; width: fit-content;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">▲</td> <td style="width: 10%;">CABLE</td> <td style="font-size: small;">(30AWG*1P+D+AL-Mylar)*2C+30AWG*1P+26AWG*2C+D+A,VW-1, OD4.5mm, BLACK ③</td> </tr> </table> </div>	P1		P2	A4,B4,A9,B9	RED	Vbus	A7	WHITE	Dn	A6	GREEN	Dp	A1,B1,A12,B12	BLACK	GND	A3	BLUE	RXp	A2	YELLOW	RXn	A1,B1,A12,B12	DRAIN	GND	B10	PURPLE	TXp	B11	ORANGE	TXn	A1,B1,A12,B12	DRAIN	GND	▲	CABLE	(30AWG*1P+D+AL-Mylar)*2C+30AWG*1P+26AWG*2C+D+A,VW-1, OD4.5mm, BLACK ③
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<p>FOR DETAIL, PLEASE TAKE ATTACHED NEW DRAWING: FOR REFERENCE</p>																																																																									

PCN REVISION HISTORY:

DATE OF REVISION: 03.08.2023

REVISION NUMBER: 00



PN	L
A-USB31C-03M-100	1000±30
A-USB31C-03M-030	300±15

PIN ASSIGNMENT (3)

P1		P2	
A4,B4,A9,B9	RED	Vbus	
A7	WHITE	Dn	
A6	GREEN	Dp	
A1,B1,A12,B12	BLACK	GND	
A3	BLUE	RXp	
A2	YELLOW	RXn	
A1,B1,A12,B12	DRAIN	GND	
B10	PURPLE	TXp	
B11	ORANGE	TXn	
A1,B1,A12,B12	DRAIN	GND	

NOTE:  
 1. Transmission speed:5Gbps  
 2. Conductive resistance: 2Ω Max  
 3. Insulation resistance:10MΩ Min/300VDC,10ms  
 4. 100% open,short,miswire test.

NO.	NAME	DESCRIPTION	QTY	UNIT
7	Shell	SATA outer shell black Insulator	1	SET
6	SATA	SATA 7+15, with PCB,blue insulator	1	PCS
5	Over mold	PVC BLACK	NA	G
4	Inner mold	LD-PE	NA	G
3	Copper foil	Copper foil,W=4mm	NA	MM
2	CONN	Type-C 3.1,with 5.1K,10nF,pin gold 1u" min,shell nickel plated	1	PCS
1	CABLE	(30AWG*1P+D+AL-Mylar)*2C+30AWG*1P+26AWG*2C +D+A,VW-1, OD4.5mm, BLACK (3)	1	PCS

Scale	Free	Date	Name	Customer-No.
RoHS compliant Unit: mm		09.12.2022	Daniel	
TOLERANCE		19.07.2023	Luca	ASSMANN WSW-No. A-USB31C-03M-xxx
		26.06.2023	Luca	
DIM	TOL	24.04.2023	Daniel	Drawing-No. ASS 10359 CA rev03
		09.12.2022	Daniel	Replace
Angle	TOL	Id.	Modification	Sheet 1/1

