

Product Change Notification(PCN)

Issue Date: 24.04.2019
Modification / Revision Date: 24.04.2019

A-USB31C-31A-XXX USB3.1 TYPE C cable

Change Notification:	PCN 20190424 A-USB31C-31A-XXX
Description of changes:	<ol style="list-style-type: none">1. Change of connector mating design2. Tooling modification3. Update dimensions4. Implementation of a mating half fixing point5. Draw.-No. ASS_7351_CAreV04 substitutes ASS_7351_CAreV03
Date of change and Implementation:	Change: Week 17 / 2019 Implementation: 24.04.2019
Key Characteristics of Change:	<ol style="list-style-type: none">1. Reduction of contact mating length2. Implementation of a mating half fixing point
Products Affected:	A-USB31C-31A-XXX
Reason of Change:	Improvement of existing connector design
Response :	No response to this notification is required.

PCN Revision History:

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Reference Documents / Attachments:

Document: Drawing

ASSMANN WSW P/N	Drawing Number
A-USB31C-31A-XXX	ASS_7361_CAreV04

PCN Revision History:

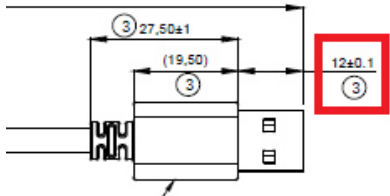
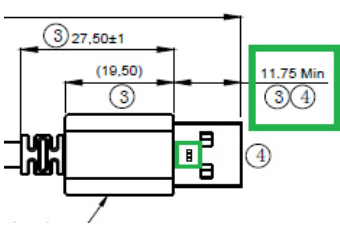
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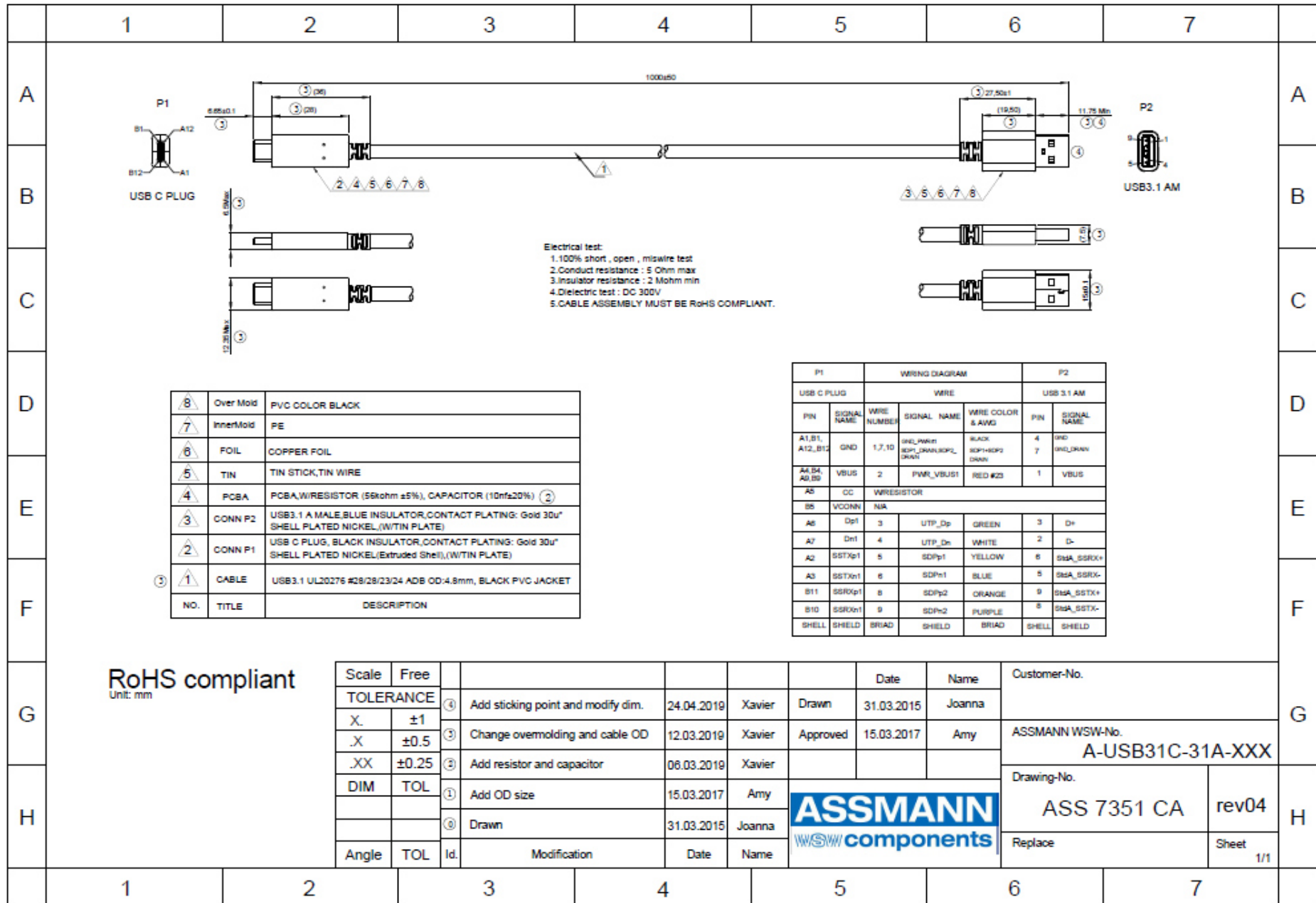
A-USB31C-31A-XXX Old version	A-USB31C-31A-XXX New version
<p>1. Dimension is 12±0.1, no fixing point</p> 	<p>1. Dimension 11.75 min., and add mating half fixing point</p> 
<p>For detail, please take attached new drawing: ASS_7361_CArev04 for reference</p>	

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Electrical test:
 1. 100% short , open , miswire test
 2. Conduct resistance : 5 Ohm max
 3. Insulator resistance : 2 Mohm min
 4. Dielectric test : DC 300V
 5. CABLE ASSEMBLY MUST BE ROHS COMPLIANT.

⑧	Over Mold	PVC COLOR BLACK
⑦	InnerMold	PE
⑥	FOIL	COPPER FOIL
⑤	TIN	TIN STICK,TIN WIRE
④	PCBA	PCBA,WRESISTOR (59kohm ±5%), CAPACITOR (10nfa20%) ②
③	CONN P2	USB3.1 A MALE,BLUE INSULATOR,CONTACT PLATING: Gold 30u" SHELL PLATED NICKEL,(W/TIN PLATE)
②	CONN P1	USB C PLUG, BLACK INSULATOR,CONTACT PLATING: Gold 30u" SHELL PLATED NICKEL,(W/TIN PLATE)
①	CABLE	USB3.1 UL20275 #28/28/23/24 ADB OD:4.8mm, BLACK PVC JACKET
NO.	TITLE	DESCRIPTION

P1		WIRING DIAGRAM				P2	
USB C PLUG		WIRE				USB 3.1 AM	
PIN	SIGNAL NAME	WIRE NUMBER	SIGNAL NAME	WIRE COLOR & AWG	PIN	SIGNAL NAME	
A1,B1, A12,B12	GNL	1,7,10	GNL_PWR1 SDP_DRAIN_SOP2, DRAIN	BLACK SOP+SDP2 DRAIN	4	GNL_DRAIN	
A4,B4, A0,B0	VBUS	2	PWR_VBUS1	RED #25	1	VBUS	
A5	CC	WRESISTOR					
B5	VCONN	NA					
A6	Dp1	3	UTP_Dp	GREEN	3	D+	
A7	Dn1	4	UTP_Dn	WHITE	2	D-	
A2	SSTxp1	5	SDP1	YELLOW	6	SnA_SSRX+	
A3	SSTxn1	6	SDP1	BLUE	5	SnA_SSRX-	
B11	SSRXp1	8	SDP2	ORANGE	9	SnA_SSTX+	
B10	SSRXn1	9	SDP2	PURPLE	8	SnA_SSTX-	
SHELL	SHIELD	BRIAD	SHIELD	BRIAD	SHELL	SHIELD	

RoHS compliant
Unit: mm

Scale	Free					Date	Name	Customer-No.
TOLERANCE		④	Add sticking point and modify dim.	24.04.2019	Xavier	Drawn	31.03.2015	Joanna
.X	±1	③	Change overmolding and cable OD	12.03.2019	Xavier	Approved	15.03.2017	Amy
.X	±0.5	③	Add resistor and capacitor	08.03.2019	Xavier			
.XX	±0.25	③	Add OD size	15.03.2017	Amy			
DIM	TOL	①	Add OD size	15.03.2017	Amy			
		⑥	Drawn	31.03.2015	Joanna			
Angle	TOL	Id.	Modification	Date	Name			ASSMANN WSW-No. A-USB31C-31A-XXX
								Drawing-No. ASS 7351 CA
						Replace	Sheet	1/1