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PRODUCT CHANGE NOTIFICATION (PCN)

ISSUE DATE: 17.10.2023
MODIFICATION / REVISION DATE: 17.10.2023

A-USB3 A-E USB3.0 AF Connector Side-mounting

CHANGE NOTIFICATION: PCN_20231017_AUSB3AE

DESCRIPTION OF CHANGES: CHANGE OF DATA SHEET
New Draw.-ASS_4708_COrev04

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

KEY CHARACTERISTICS OF CHANGE: Details see page 3

PRODUCTS AFFECTED: A-USB3 A-E

DATE OF CHANGE AND IMPLEMENTATION: CHANGE: 42/2023
IMPLEMENTATION: 17.10.2023

RESPONSE: NO RESPONSE TO THIS NOTIFICATION IS REQUIRED

PCN REVISION HISTORY:

DATE OF REVISION: 17.10.2023

REVISION NUMBER: 00

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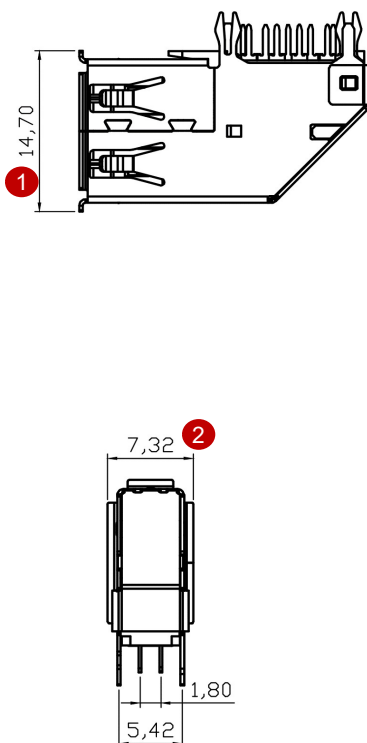
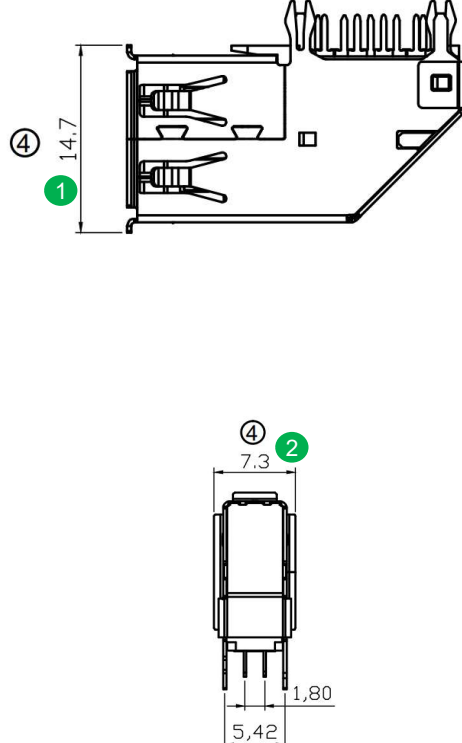
REFERENCE DOCUMENTS / ATTACHMENTS:
 DOCUMENT: DRAWING

ASSMANN WSW P/N	Drawing Number		ASSMANN WSW P/N	Drawing Number
A-USB3 A-E	ASS_4708_COrev03	↔	A-USB3 A-E	ASS_4708_COrev04

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A-USB3 A-E OLD VERSION	A-USB3 A-E NEW VERSION																		
<p>1) Dimension & Tolerance</p>  <table border="1" style="margin-top: 20px;"> <thead> <tr> <th colspan="2">TOLERANCE</th> </tr> </thead> <tbody> <tr> <td>X.</td> <td>±0.45</td> </tr> <tr> <td>X.X</td> <td>±0.30</td> </tr> <tr> <td>X.XX</td> <td>±0.20</td> </tr> <tr> <td>X.XXX</td> <td>±0.10</td> </tr> </tbody> </table>	TOLERANCE		X.	±0.45	X.X	±0.30	X.XX	±0.20	X.XXX	±0.10	<p>1) Dimension & Tolerance</p>  <table border="1" style="margin-top: 20px;"> <thead> <tr> <th colspan="2">TOLERANCE</th> </tr> </thead> <tbody> <tr> <td>X.X</td> <td>±0.38</td> </tr> <tr> <td>X.XX</td> <td>±0.25</td> </tr> <tr> <td>X.XXX</td> <td>±0.10</td> </tr> </tbody> </table>	TOLERANCE		X.X	±0.38	X.XX	±0.25	X.XXX	±0.10
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<p>FOR DETAIL, PLEASE TAKE ATTACHED NEW DRAWING: ASS_8981_COrev01 FOR REFERENCE</p>																			

1

2

3

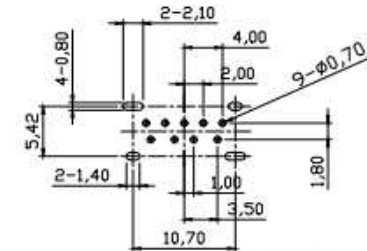
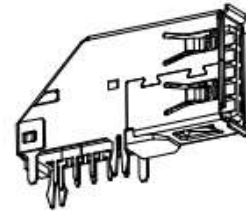
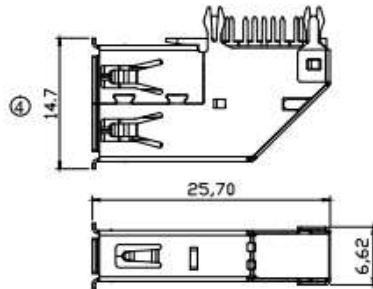
4

5

6

7

A

① **USB3.0 COMPLIANT**

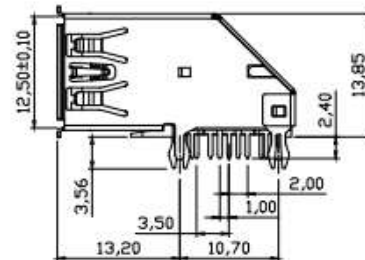
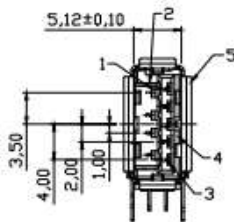
Recommended PCB Layout
Tolerance For PCB Layout is ± 0.05

B

A

B

C



C

D

Specifications:

- ② Current Rating: 1.8Amp For Pin1 & Pin4
0.25Amp other contacts
Insulation Resistance: 100Mohm Min
Dielectric Withstanding :100V(RMS)
Contact Resistance: 20mohm Max For Pin1 & Pin4
50mohm Max other contacts

D

E

- ③ Voltage Rating: 30VAC
② Mechanical Characteristics:
Mating Cycle:1500 cycle Min.
Mating Force: 35N Max
Un-mating Force: 10N Min
Operating Temperature: -55°C To + 85°C
③ Soldering Temperature: +235°C, 5s max.
Packing: Tray

E

F

Pin Number	Signal Name	Pin Number	Signal Name	Item	Part Name	Material	QTY	Remark	
1	VBUS	5	SSRX-	1	4P Semi-manufactured goods	Housing	PBT	1	Blue UL94V-0
2	D-	6	SSRX+	2		Contact	Copper Alloy	4	T=0.25 Selective 15u" Au/Tin
3	D+	7	GND	3	5P Semi-manufactured goods	Housing	PBT	1	Blue UL94V-0
4	GND	8	SSTX	4		Contact	Copper Alloy	5	T=0.25 Selective 15u" Au/Tin
Shell	Shield	9	SSRT+	5	Shell	SUS304-1/2H	1	T=0.30	

F

G

RoHS compliant
Unit: mm

Scale	Free	Date	Name	Description:
④ TOLERANCE				USB3.0 AF Connector Side-mounting
X.X	± 0.38	④ Update dimensions and tolerance	16.10.2023	Luca
X.XX	± 0.25	③ Update	08.11.2019	Carson
X.XXX	± 0.10	② 1.Change the Current Rating from 1.0A to be 1.8A 2.Add the Mating cycle	16.06.2017	Fred
DIM	TOL	① Add the "USB3.0 COMPLIANT "	24.03.2014	Winnie
X.°	$\pm 5^\circ$	① Drawn	14.03.2012	Lucas
X.X°	$\pm 3^\circ$	Id.	Modification	Date

G

H

ASSMANN
WSW components
A company of BCS

Drawing-No.
ASS 4708 CO rev04
Customer-No. Sheet

H

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SV2729