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NOTES:

MATERIAL

1. Insulator: LCP, Black  
 2. Contact: Phosphor Bronze, T=0.15mm, Gold 30u" on Contact area, 2u" Gold on Solder Tails, Base Nickel 80u" Ni  
 3. Shell: SUS 304, T=0.20mm, Hook Plating 80u" Ni  
 4. EMC Pad & Mid-Plate: SUS 304, T=0.15mm

ELECTRICAL

1. Current Rating: 5.0A for Vbus (A4,A9,B4,B9), 1.25A for Vconn and GND (B5,A1,A12,B1,B12), 0.25A for all other contacts

2. Contact Resistance: 40mΩ Max.

3. Insulation Resistance: 100MΩ Min.

4. Withstand Voltage: 100V AC/1 minute

MECHANICAL

1. Insertion Force: 5~20N

2. Extraction Force: 8~20N

3. Durability: 10000 Cycles Min.

Packaging: Tape &amp; Reel, 1000pcs/Reel

SCALE A-A

SCALE B-B

**RoHS compliant**  
 Unit: mm

Scale	Free					Date	Name	Customer-No.
TOLERANCE						Drawn	22.10.2018	Xavier
X.X	±0.25					Approved	22.10.2018	Winnie
X.XX	±0.10							ASSMANN WSW-No. <b>A-USB1-AFN-EA-HSR50</b>
DIM	TOL							Drawing-No. <b>ASS 8249 CO</b>
		①	Add dimensions	10.06.2019	Xavier			rev01
		②	Drawn	22.10.2018	Xavier			Sheet
Angle	TOL	Id.	Modification	Date	Name	Replace	Sheet	1/2

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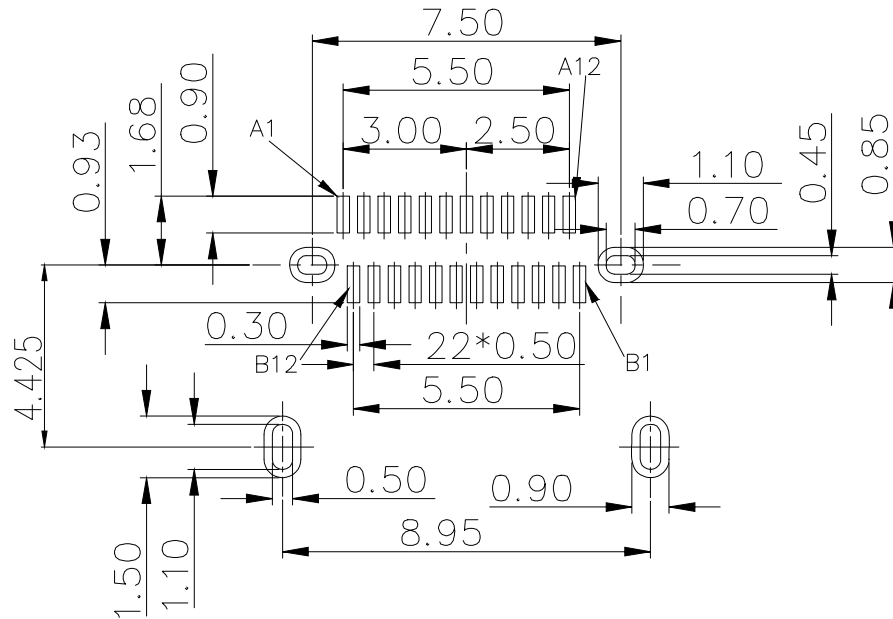
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CON1367



PIN	Signal Name	PIN	Signal Name
		M2	GND
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND
		M1	GND

RECOMMENDED PCB LAYOUT T=0.6±0.05mm

**RoHS compliant**  
Unit: mm

Scale	Free					Date	Name	Customer-No.
TOLERANCE						Drawn	22.10.2018	Xavier
X.X	±0.25					Approved	22.10.2018	Winnie
X.XX	±0.10							ASSMANN WSW-No. <b>A-USB1-AFN-EA-HSR50</b>
DIM	TOL							Drawing-No. <b>ASS 8249 CO</b>
X.°	±1°	①	Add dimensions	10.06.2019	Xavier	<b>ASSMANN</b> WSW components		rev01
.X°	±0.5°	②	Drawn	22.10.2018	Xavier			
Angle	TOL	Id.	Modification	Date	Name	Replace	Sheet	2/2