

1

2

3

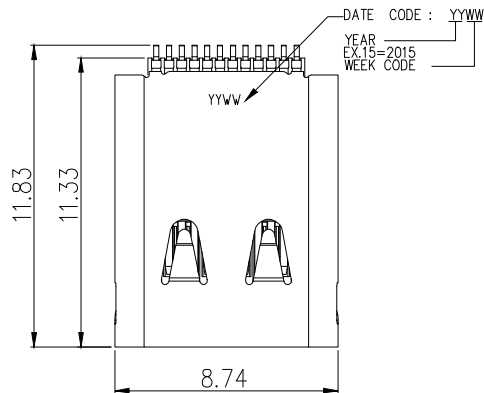
4

5

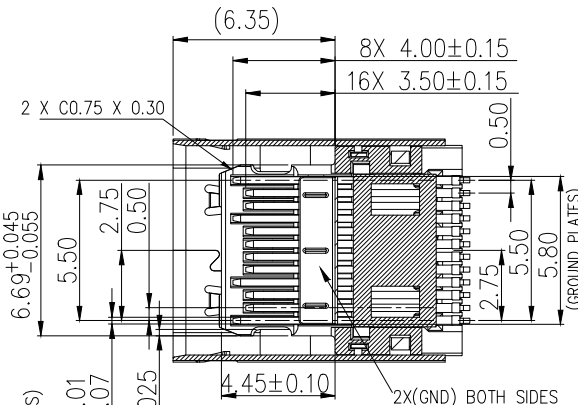
6

7

A



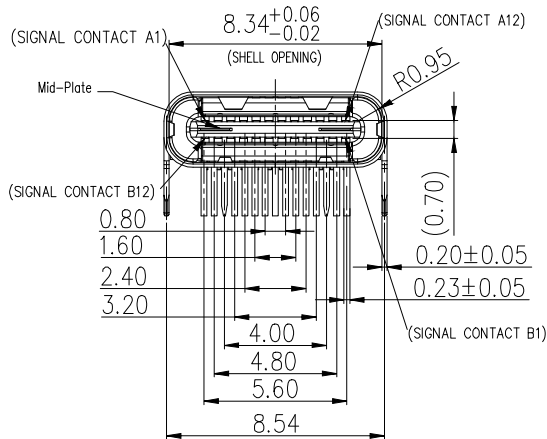
B



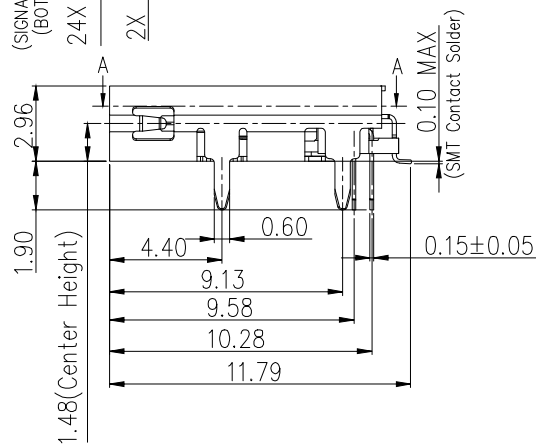
C

SECTION A-A

D



E



F

SPECIFICATION

MATERIAL

Insulator: Thermoplastic,Black

Contacts: BRASS

Shell: Stainless Steel

CONTACT PLATING

Underplate: 40u"~80u" Nickel

Contact area: 30u"Pd-Ni+2u" Selective gold,
Solder tails area: 100u"~200u" Tin (Lead Free)

ELECTRICAL

Operation voltage: 20 V

Current rating: 5 Amps max.

Insulation resistance: 100 Mohms min @ 100 VDC

Dielectric withstanding voltage: 100 VAC / minute

Temperature range: -40°C TO +105°C

Mating cycles: 10,000 insertions

G

RoHS compliant
Unit: mm

Scale Free

TOLERANCE

X.X ±0.38

X.XX ±0.25

X.XXX ±0.15

DIM TOL

X° ±2°

①

Drawn

18.03.2022

Luca

Id.

Modification

Date

Name

Date

Name

Description: USB Connector

USB3.2 GEN1 TYPE C / FEMALE / 90°

ASSMANN WSW-No.

A-USBC-32F1-EA-HRR10

Drawing-No.

ASS 9330 CO

rev00

Customer-No.

Sheet
1/3



1

2

3

4

5

6

7

1 2 3 4 5 6 7

A B C D E F

(6.65)
6.2
(Clearance) (0.45)
Type C Plug
0.80 Case Thickness

PLUG FULLY SEATED IN RECEPTACLE

5.50
0.50
0.30 2.40
Mid-Plate Pin (GND) Mid-Plate Pin (GND)
14-Ø0.40 HOLE
1.60 3.20
4.00 4.80 5.60
8.18 1.60 4-1.20 4-0.60 1.00 0.20 2.40 3.40 3.45 5.50 6.50 8.63 9.33 9.98 11.18
8.54

Recommended PCB LAYOUT TOLERANCE=±0.05
PCB Thickness = 1.0 For 1.50 Solder tail
1.6 For 1.90 Solder tail

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair—Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair—Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair—Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair—Position 2
A8	SBU1	Sideband Use(SBU)	B5	CC2	Configuration Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

RoHS compliant
Unit: mm

Scale Free

TOLERANCE

X.X ±0.38

X.XX ±0.25

X.XXX ±0.15

DIM TOL

X° ±2°

Drawn	18.03.2022	Luca
Approved	18.03.2022	Luca
Id.	Modification	Date Name

Description: USB Connector
USB3.2 GEN1 TYPE C / FEMALE / 90°

ASSMANN WSW-No.
A-USBC-32F1-EA-HRR10

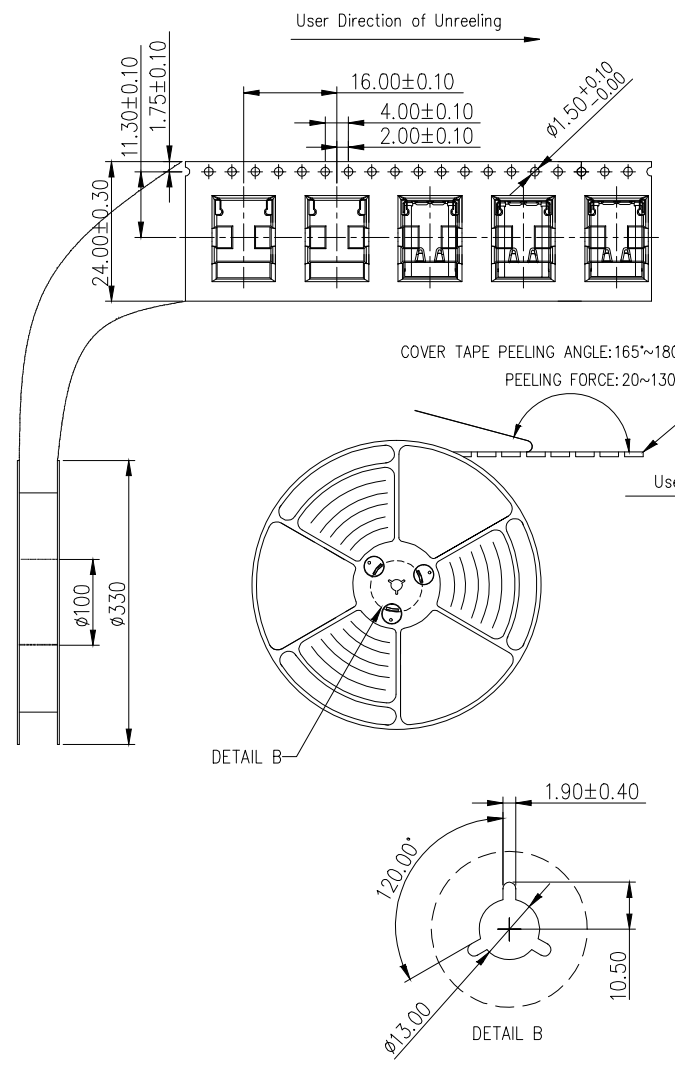
Drawing-No.
ASS 9330 CO rev00

Customer-No. Sheet 2/3

1 2 3 4 5 6 7

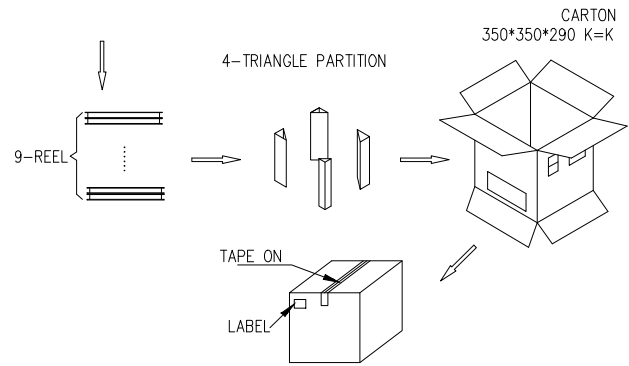
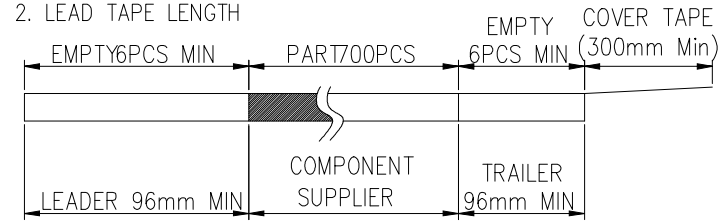
SV5151

A
B
C
D
E
F
G
H



NOTES

1. NUMBER OF CONNECTORS: 700PCS/REEL
2. LEAD TAPE LENGTH
3. QUANTITY: 6300PCS/CARTON



RoHS compliant
Unit: mm

Scale	Free						Date	Name	Description: USB Connector
TOLERANCE						Drawn	18.03.2022	Luca	USB3.2 GEN1 TYPE C / FEMALE / 90°
X.X	±0.38					Approved	18.03.2022	Luca	ASSMANN WSW-No.
X.XX	±0.25								A-USBC-32F1-EA-HRR10
X.XXX	±0.15								Drawing-No.
DIM	TOL								ASS 9330 CO
X°	±2°								rev00
		①	Drawn	18.03.2022	Luca	ASSMANN WSW components			Customer-No.
		Id.	Modification	Date	Name				Sheet 3/3