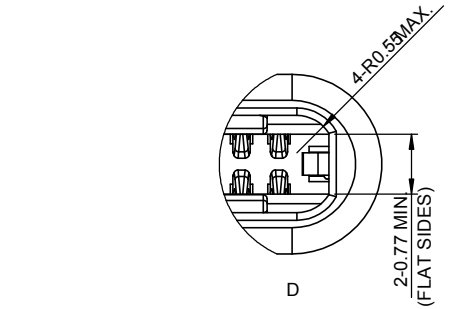
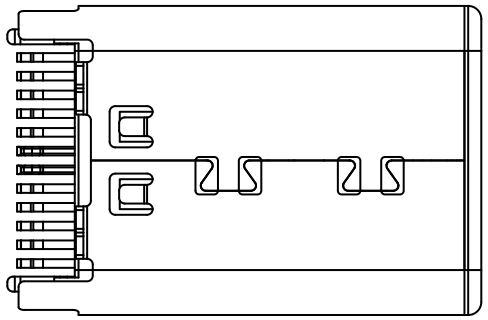
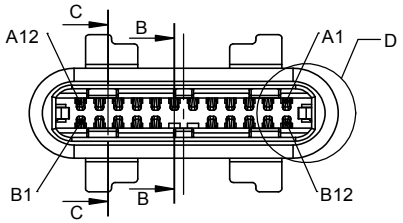
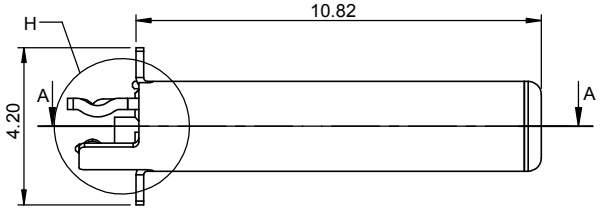
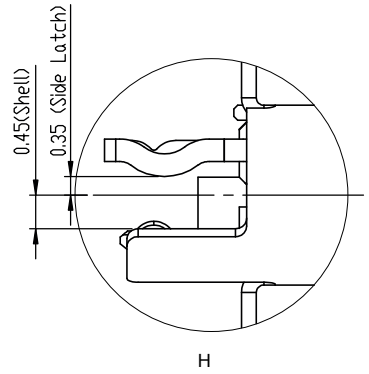
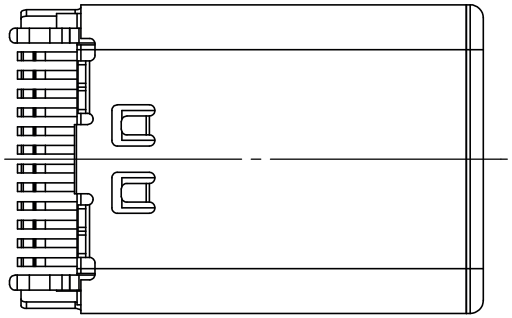












TECHNICAL CHARACTERISTICS

MATERIAL
INSULATOR: LCP
FLAMMABILITY RATING: UL94-V0
COLOR: BLACK
CONTACT MATERIAL: COPPER ALLOY
CONTACT PLATING: 2µ'' GOLD OVER 30µ'' Pd-Ni
COVER MATERIAL: STEEL
COVER PLATING: Ni
QUALITY CLASS: 10 000 MATING CYCLES

ENVIRONMENTAL
OPERATING TEMPERATURE: -25°C UP TO +105°C
COMPLIANCE: LEAD FREE & ROHS

ELECTRICAL
CURRENT RATING:
A1,A12,B1 & B12 – ALL CONNECTED TOGETHER: 5 A
A4,A9,B4 & B9 – ALL CONNECTED TOGETHER: 5 A
A5 & B5: 1.25 A
ALL OTHER PINS: 0.25 A
WORKING VOLTAGE: 20 VDC
WITHSTANDING VOLTAGE: 100 VAC/MIN
INSULATION RESISTANCE: >1000 MΩ
CONTACT RESISTANCE: 30 mΩ MAX

MECHANICAL
INSERTION FORCE: 5-8 N MAX
EXTRACTION FORCE: 8-20 N MIN

STANDARD
CERTIFIED: E323964
TID LISTED

SOLDERING
JEDEC LEAD FREE REFLOW SOLDERING PROCESS

PACKAGING
TAPE & REEL WITH CAP

NOTE: - TAPE & REEL NOT FOR PICK & PLACE MACHINE
- WE RECOMMEND TO KEEP THE CAP INTO THE PLUG DURING REFLOW PROCESS

RoHS Compliant

REV	DATE	FILE	BY
G			
F			
E	18-OCT-17	CARACTERISTICS	AK
D	26-JUN-17	UPGRADE	AK
C	04-MAR-16	LAYOUT	AK
B	27-OCT-15	NOTE	AK
A	15-SEP-15	PDF	AK

PROJECTION:

APPROVAL: NPr

GENERAL TOLERANCE
.X = +/- 0.2
.XX = +/- 0.15

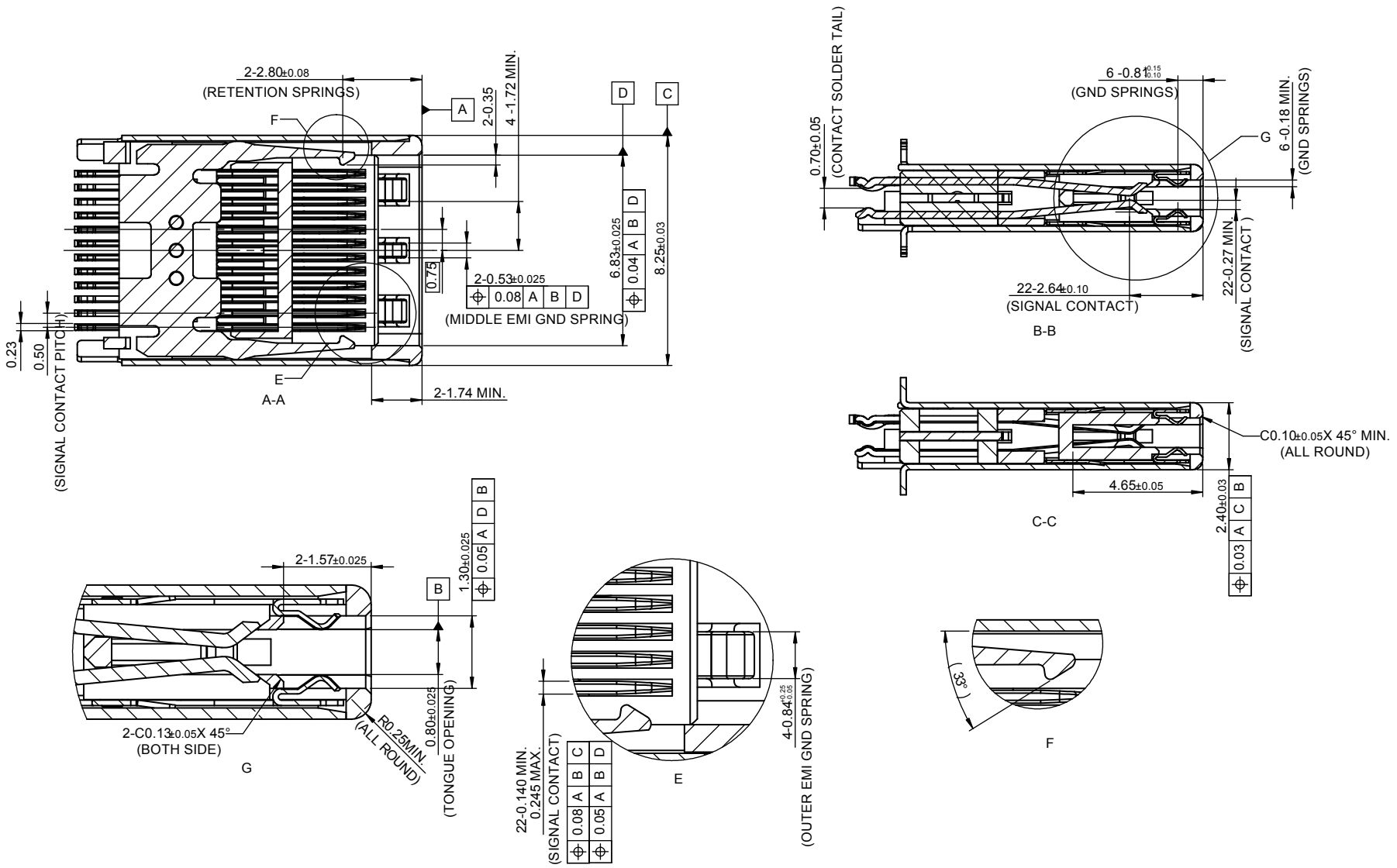
UNIT: MM
SCALE:
SHEET: 1/5
DRAW: AK

WÜRTH ELEKTRONIK

DESCRIPTION: USB 3.1 TYPE C PLUG - HORIZONTAL SMT

WERI PART NO: 632 712 000 021

SIZE
A4



RoHS Compliant

REV	DATE	FILE	BY
G			
F			
E			
D			
C			
B			
A			

PROJECTION:

APPROVAL: NPr

GENERAL TOLERANCE
.X = +/- 0.2
.XX = +/- 0.15

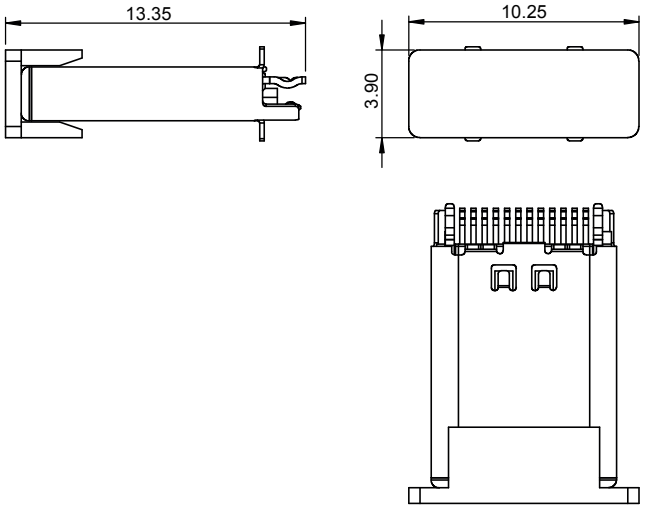
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SCALE:
SHEET: 2/5
DRAW: AK

WÜRTH ELEKTRONIK

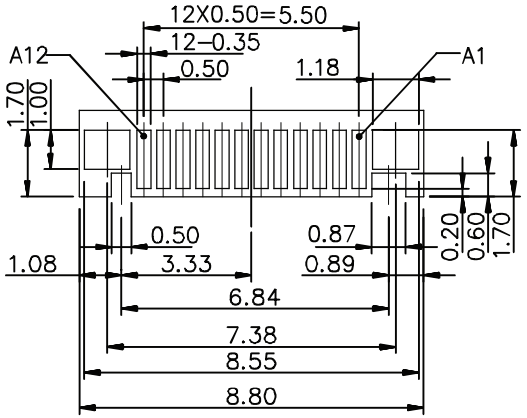
DESCRIPTION: USB 3.1 TYPE C PLUG - HORIZONTAL SMT

WERI PART NO: 632 712 000 021

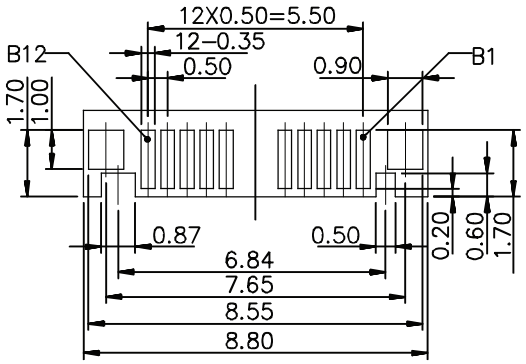
SIZE
A4



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



TOP SIDE



BOTTOM SIDE

PCB LAYOUT - TOLERANCE ±0.05 - COMPONENT VIEW
RECOMMENDED PCB THICKNESS : 0.80 mm

RoHS Compliant

REV	DATE	FILE	BY
G			
F			
E			
D			
C			
B			
A			

PROJECTION:

APPROVAL: NPr

GENERAL TOLERANCE
.X = +/_ 0.2
.XX = +/_ 0.15

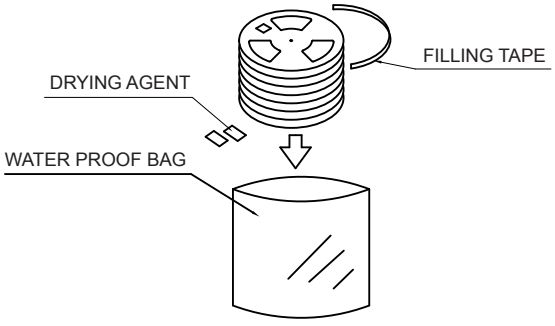
UNIT: MM
SCALE:
SHEET: 3/5
DRAW: AK

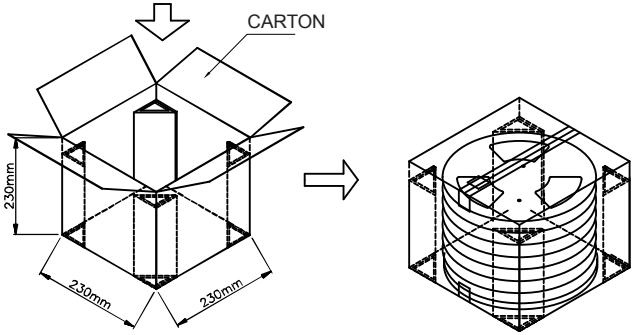
WÜRTH ELEKTRONIK

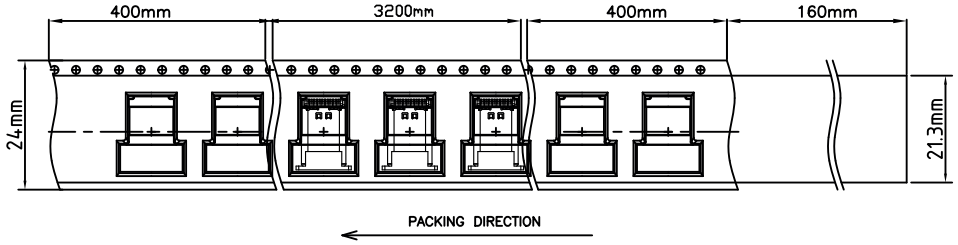
DESCRIPTION: USB 3.1 TYPE C PLUG - HORIZONTAL SMT

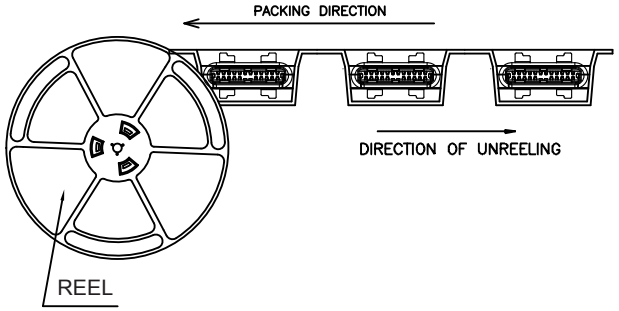
WERI PART NO: 632 712 000 021

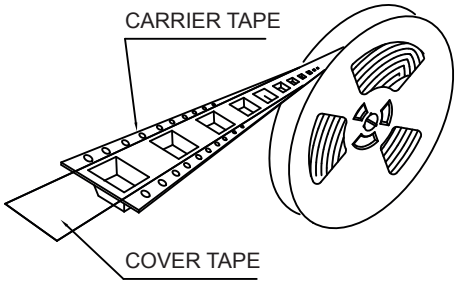
SIZE
A4











200 pcs/reel
5 reels/carton
1000 pcs/carton

RoHS Compliant

REV	DATE	FILE	BY
G			
F			
E			
D			
C			
B			
A			

PROJECTION:

APPROVAL: NPr

GENERAL TOLERANCE
.X = +/_ 0.2
.XX = +/_ 0.15

UNIT: MM
SCALE:
SHEET: 4/5
DRAW: AK

WÜRTH ELEKTRONIK

DESCRIPTION: USB 3.1 TYPE C PLUG - HORIZONTAL SMT

WERI PART NO: 632 712 000 021

SIZE
A4

Cautions and Warnings:

This electronic component is designed and developed with the intention for use
in general electronics equipments.
Before incorporating the components into any equipments in the field such as aerospace, aviation,
nuclear control, submarine, transportation, (automotive control, train control, ship control),
transportation signal, disaster prevention, medical, public information network etc. where higher safety
and reliability are especially required or if there is possibility of direct damage or injury to human body,
Wurth Elektronik must be asked for a written approval.
In addition, even electronic component in general electronic equipments, when used in electrical circuits
that require high safety, reliability functions or performance, the sufficient reliability evaluation-check
for the safety must be performed before by the user before usage.

RoHS Compliant							
G				PROJECTION:	GENERAL TOLERANCE	WÜRTH ELEKTRONIK	
F					.X = +/- 0.2		
E					.XX = +/- 0.15		
D							
C				APPROVAL: JC	UNIT: MM	DESCRIPTION: DISCLAIMER	SIZE
B					SCALE:		A4
A	10-SEP-14	PDF	QL		SHEET: 5/5	WERI PART NO: DISCLAIMER	
REV	DATE	FILE	BY		DRAW: QL		