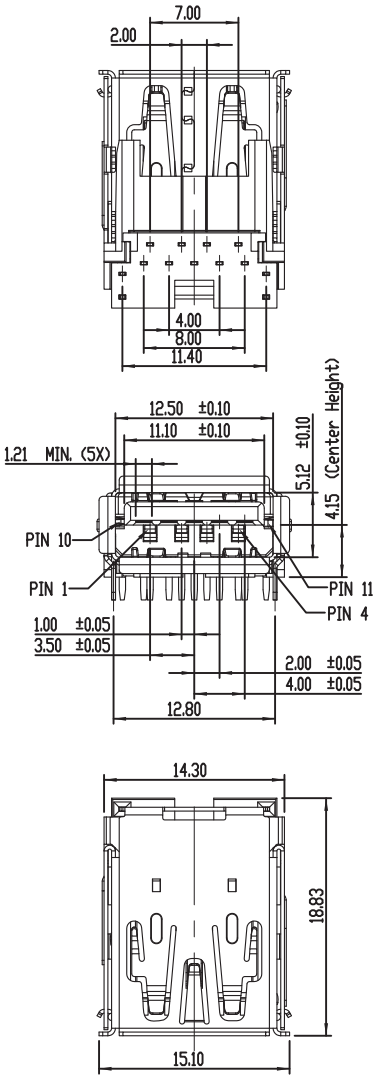
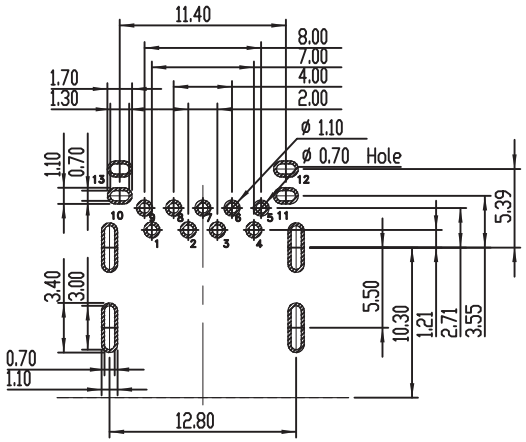






PCB LAYOUT - COMPONENT VIEW
RECOMMENDED PCB THICKNESS : 1.60 mm

Pin Number	Signal Name
1	VBUS
2	D–
3	D+
4	GND
5	StdA_SSRX–
6	StdA_SSRX+
7	GND_DRAIN
8	StdA_SSTX–
9	StdA_SSTX+
10	PD DETECT
11	INSERTION DETECT
12	SHELL (Shield)
13	SHELL (Shield)

TECHNICAL CHARACTERISTICS

MATERIAL
INSULATOR: PA9T
FLAMMABILITY RATING: UL94-V0
COLOR: BLUE
CONTACT MATERIAL: COPPER ALLOY
CONTACT PLATING: GOLD OVER Pd-Ni
CONTACT AREA: 30µ'' Pd-Ni+2µ'' Gold
SOLDER TAIL AREA: 100 to 200 µ'' Tin
QUALITY CLASS: 5 000 MATING CYCLES

ENVIRONMENTAL
OPERATING TEMPERATURE: -20°C UP TO +85°C
COMPLIANCE: LEAD FREE & ROHS

ELECTRICAL
CURRENT RATING: 5 A MAX
WORKING VOLTAGE: 20 VDC MAX
DIELECTRIC WITHSTANDING VOLTAGE: 100 VAC/MIN
INSULATION RESISTANCE: > 100 MΩ
CONTACT RESISTANCE:
- PIN 1 & PIN 4: 30 mΩ MAX
- OTHER PINS: 50 mΩ MAX

MECHANICAL
INSERTION FORCE: 35.0N MAX
EXTRACTION FORCE: 10.0N MIN

SOLDERING
JEDEC LEAD FREE WAVE & REFLOW SOLDERING PROCESS

PACKAGING
TRAY

RoHS Compliant

REV	DATE	FILE	BY
G			
F			
E			
D	21-OCT-15	SOLDERING	AK
C	15-SEP-15	UPDATE	AK
B	08-SEP-15	QUALITY CLASS	AK
A	09-JUN-15	PDF	AK

PROJECTION:

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

APPROVAL: NPr

UNIT: MM
SCALE:
SHEET: 1/4
DRAW: AK

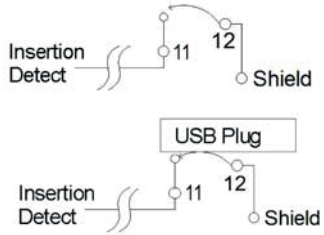
WÜRTH ELEKTRONIK

DESCRIPTION: USB3.1 TYPE A RECEPTACLE - HORIZONTAL THT - POWER DELIVERY

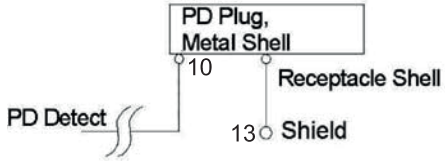
WERI PART NO: 632 121 300 001

SIZE
A4

Standard-A Insertion Detect Schematic Representation

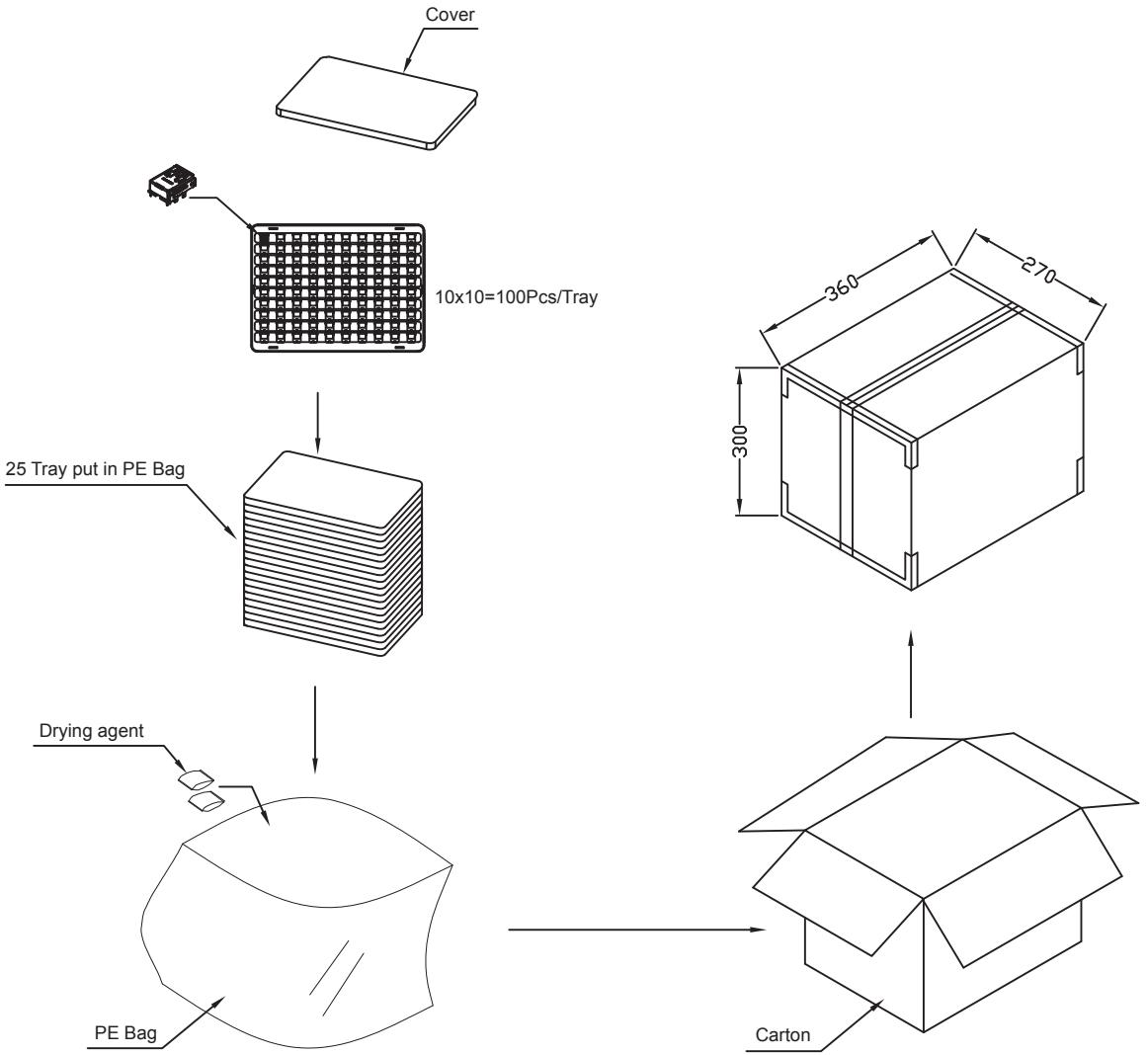


PD Plug Standard-A Detection Circuit



RoHS Compliant							
G				PROJECTION:	GENERAL TOLERANCE		
F					.X = +/- 0.2		
E					.XX = +/- 0.15		
D							
C				APPROVAL: NPr	UNIT: MM	DESCRIPTION: USB3.1 TYPE A RECEPTACLE - HORIZONTAL THT - POWER DELIVERY	SIZE
B					SCALE:		
A					SHEET: 2/4	WERI PART NO: 632 121 300 001	A4
REV	DATE	FILE	BY		DRAW: AK		

WÜRTH ELEKTRONIK



100 pcs/tray
25 trays/carton
2500 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: 3/4
DRAW: AK

WÜRTH ELEKTRONIK

DESCRIPTION: USB3.1 TYPE A RECEPTACLE - HORIZONTAL THT - POWER DELIVERY

WERI PART NO: 632 121 300 001

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: 4/4	WERI PART NO: DISCLAIMER	
REV	DATE	FILE	BY		DRAW: QL		

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WURTH:

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686124183822 71206415 687750225002 865230657014 714726110106 620307124022 7443633300
865080457015 971100477 860080275016 744052002 74408942330 810913006 830003237
74437529203220 64900821122