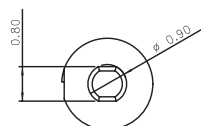
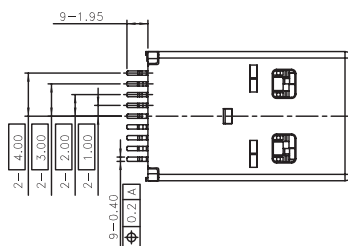
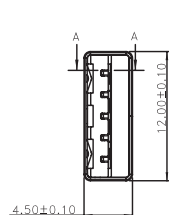
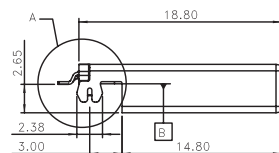
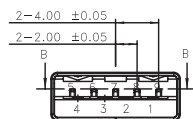
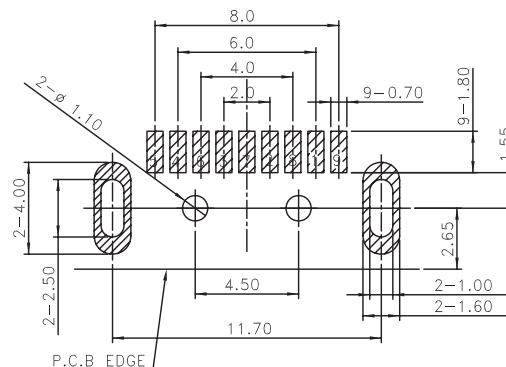
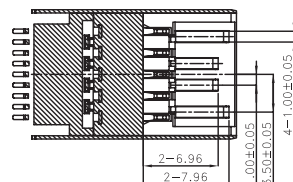


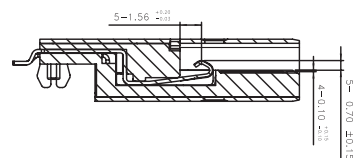
DETAIL A



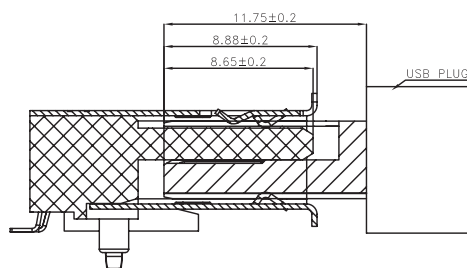
DETAIL B



PCB LAYOUT - COMPONENT VIEW



TRANSVERSAL CUTTING VIEWS



TECHNICAL CHARACTERISTICS

MATERIAL
 INSULATOR: LCP
 FLAMMABILITY RATING: UL94-V0
 COLOR: BLUE
 CONTACT MATERIAL: PHOSPHORE BRONZE
 CONTACT TYPE: STAMPED
 CONTACT PLATING: UNDERPLATE 1.27 to 2.54 µm Ni
 CONTACT AREA 0.76 µm Gold
 SOLDER TAIL AREA 2.54 to 5.08 µm Matt Tin
 SHIELDING: STEEL BRIGHT TIN PLATED
 QUALITY CLASS: 5000 MATING CYCLES

ENVIRONMENTAL
 OPERATING TEMPERATURE: -20°C up to +85°C
 COMPLIANCE: LEAD FREE & RoHS

ELECTRICAL
 CURRENT RATING:
 - PIN 1 & PIN 4 (Vbus & corresponding ground PIN) 1.8A MAX
 - OTHER PINS 0.25 A MAX
 WORKING VOLTAGE: 30 VAC
 DIELECTRIC WITHSTANDING VOLTAGE: 100 VAC/MIN
 INSULATION RESISTANCE: > 100 MΩ
 CONTACT RESISTANCE:
 - PIN 1 & PIN 4: 30mΩ MAX
 - OTHER PINS: 50mΩ MAX

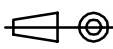
STANDARD
 CERTIFIED: E323964

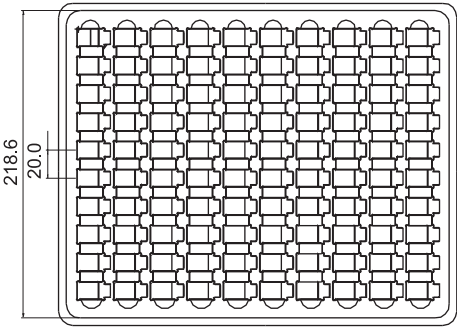
MECHANICAL
 INSERTION FORCE: 35.0N MAX
 EXTRACTION FORCE: 10.0N MIN

SOLDERING
 JEDEC LEAD FREE REFLOW SOLDERING

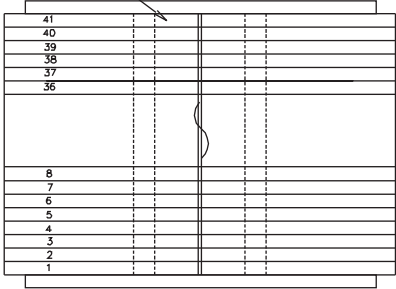
PACKAGING
 TRAY

* NOTE: THE RECOMMENDED PCB LAYOUT IS FOR AN OPTIMIZED RETENTION FORCE OF CONNECTOR ON PCB BUT IT IMPLIES INSERTION FORCE THAT A LOT OF PICK AND PLACE MACHINES ARE NOT ABLE TO HANDLE. THEREFORE IT MIGHT BE NECESSARY TO DRILL BIGGER HOLES FOR THE CLIPS. PLEASE CHECK THIS CAREFULLY.

RoHS Compliant							
G	30-JAN-15	GENERAL UPDATE	QL	PROJECTION: 	GENERAL TOLERANCE .X = ± 0.2 .XX = ± 0.15		
F	27-OCT-14	GENERAL UPDATE	AS				
E	10-SEP-13	DIM & CHARAC	QL				
D	09-NOV-11	STENCIL	GG				
C	21-SEP-11	NOTE	GG	APPROVAL: NPr	UNIT: MM SCALE: SHEET: 1/4 DRAW: AS	DESCRIPTION: WR COM - USB 3.0 SMT PLUG WITH CLIP TYPE A WERI PART NO: 692 112 030 100	SIZE A4
B	10-MAY-11	UL	GG				
A	16-SEP-10	PDF	JP				
REV	DATE	FILE	BY				



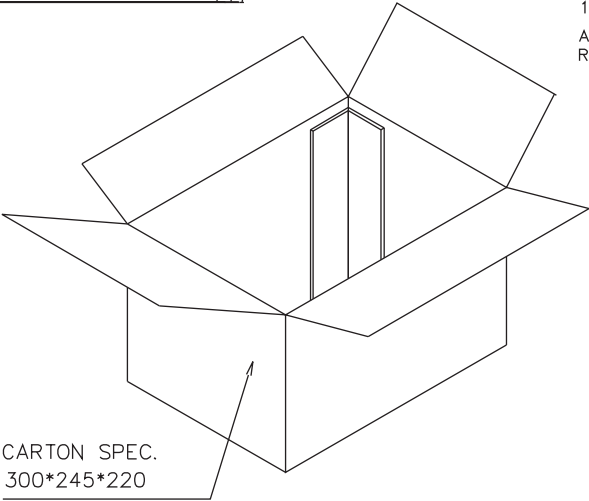
TOP LAYER IS EMPTY

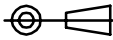


1TRAY 100PCS

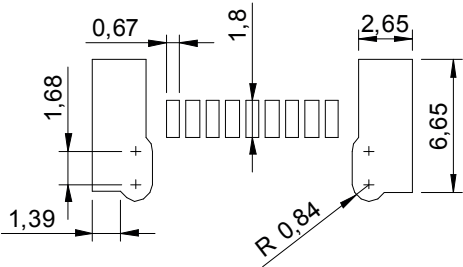


NOTES
1. MATERIALS: PS
All Material in According With The Rohs Environment
Related Substances List Controlled.



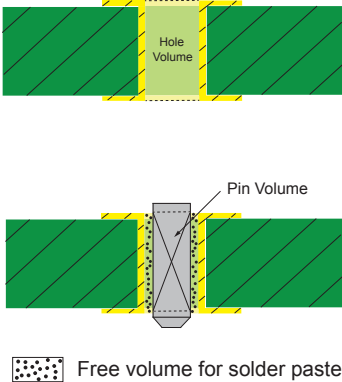
RoHS Compliant				PROJECTION: 	GENERAL TOLERANCE .X = +/- 0.2 .XX = +/- 0.15		
G							
F							
E							
D							
C				APPROVAL: NPr	UNIT: MM	DESCRIPTION: WR-COM - USB 3.0 SMT PLUG WITH CLIP TYPE A	SIZE A4
B					SCALE:		
A					SHEET: 2/4		
REV	DATE	FILE	BY		DRAW: AS		

Stencil information for Through Hole Reflow soldering



STENCIL LAYOUT * - COMPONENT VIEW

PCB cross section

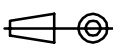


Theoretical Formula for Through Hole pins
Volume of the stencil aperture = (Hole volume - Pin volume) x 2
or
Volume of solder paste = (Hole volume - Pin volume) x 2

Stencil
Stencil Thickness: 150 µm

PCB
PCB thickness: 1.6mm

RoHS Compliant		* NOTE: SEE PCB LAYOUT PAGE 1/3 FOR MISSING DIMENSIONS					
G				PROJECTION: 	GENERAL TOLERANCE .X = +/- 0.2 .XX = +/- 0.15		
F							
E							
D							
C				APPROVAL: NPr	UNIT: MM	DESCRIPTION: WR-COM - USB 3.0 SMT PLUG WITH CLIP TYPE A	SIZE A4
B					SCALE:		
A					SHEET: 3/4	WERI PART NO: 692 112 030 100	
REV	DATE	FILE	BY		DRAW: AS		

1				2				3				4				5				
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, Würth 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.																	A			
																	B			
																	C			
																	D			
RoHS Compliant								PROJECTION:				GENERAL TOLERANCE								
G								.X = +/- 0.2												
F								.XX = +/- 0.15												
E																				
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												