

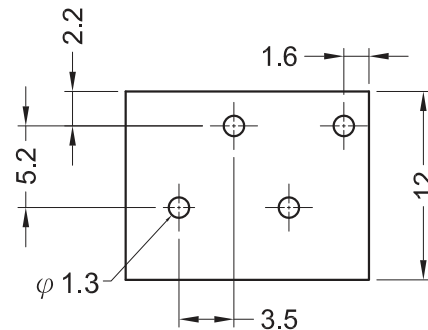
1

2

3

4

5



PCB LAYOUT - COMPONENT VIEW  
WARNING: START ON THE BOTTOM LEFT CORNER

#### TECHNICAL CHARACTERISTICS

MATERIAL  
INSULATOR: PA 66  
FLAMMABILITY RATING: UL94-V0  
COLOR: GRAY  
METAL HOUSING: PhBz  
SOLDER TAIL PLATING: TIN

ENVIRONMENTAL  
OPERATING TEMPERATURE: -40°C UP TO 105°C  
COMPLIANCE: LEAD FREE AND ROHS

ELECTRICAL	cULus	VDE
CURRENT RATING:	6 A	2 A
WORKING VOLTAGE:	300 VAC	250 VAC
WITHSTANDING VOLTAGE:	1.6 KV	2.5 KV
CONTACT RESISTANCE:	20 mΩ MAX	

STANDARD  
 CERTIFIED E315414  
 CERTIFIED 40036145

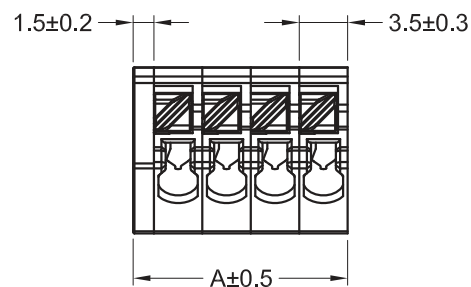
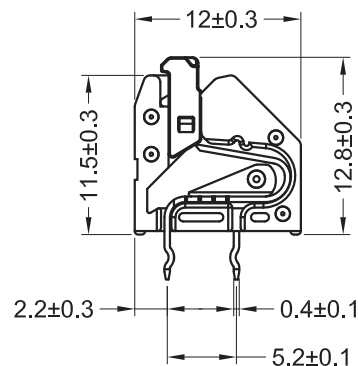
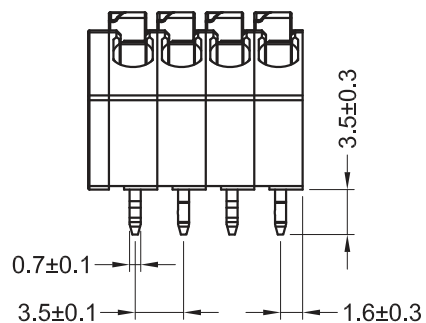
MECHANICAL  
SOLID WIRE: 20-14 AWG / 0.518-2.08 MM<sup>2</sup>  
STRANDED WIRE : 20-14 AWG / 0.518-2.08MM<sup>2</sup>

WIRE STRIPE LENGTH: 7.5-8.5 MM  
PITCH: 3.5 MM

SOLDERING  
JEDEC LEAD FREE WAVE SOLDERING PROCESS

PACKAGING  
BOX

DIMENSION  
A = (3.5 x NB PINS) + 1.5



RoHS Compliant

PROJECTION:



GENERAL TOLERANCE

.X =  $\pm 0.2$

.XX =  $\pm 0.15$



APPROVAL: FBr

UNIT: MM

SCALE:

SHEET: 1/2

DRAW: AS

DESCRIPTION: SERIE 412 B - 3.5MM SCREWLESS 45° ENTRY GREY  
- WR-TBL

WERI PART NO: 691 412 120 0xx B

SIZE

**A4**

I	01-DEC-15	VDE CERTIFIED	AK			
H	10-AUG-15	STRANDED WIRE	AK			
REV	DATE	FILE	BY			

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.

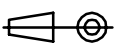

In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

A

B

C

RoHS Compliant

G				PROJECTION: 	GENERAL TOLERANCE .X = +/- 0.2 .XX = +/- 0.15	 <b>WÜRTH ELEKTRONIK</b>	
F							
E							
D							
C				APPROVAL: JC	UNIT: MM	DESCRIPTION: DISCLAIMER	SIZE <b>A4</b>
B					SCALE:		
A	10-SEP-14	PDF	QL		SHEET: 2/2	WERI PART NO: DISCLAIMER	
REV	DATE	FILE	BY		DRAW: QL		

D