

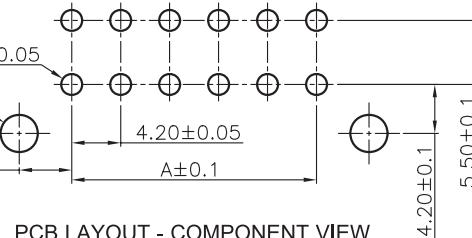
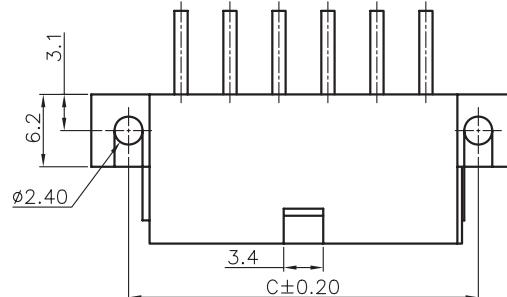
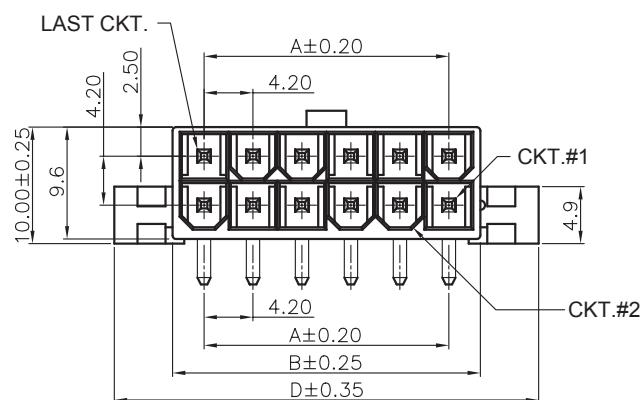
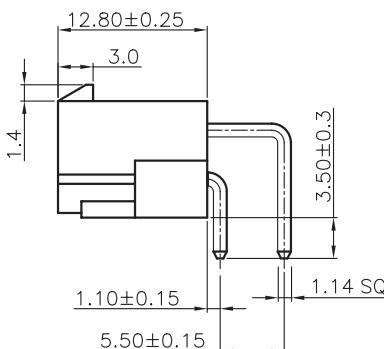
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PCB LAYOUT - COMPONENT VIEW

## TECHNICAL CHARACTERISTICS

MATERIAL  
 INSULATOR: NYLON 66  
 FLAMABILITY RATING: UL94-V0  
 COLOR: WHITE  
 CONTACT MATERIAL: COPPER ALLOY  
 CONTACT TYPE: STAMPED  
 CONTACT PLATING: TIN  
 QUALITY CLASS: 25 MATING CYCLES  
 PITCH: 4.20MM

## ENVIRONMENTAL

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

## ELECTRICAL

CURRENT RATING: 6 TO 9A

| NB CIRCUITS | 2-3 | 4-6 | 7-10 | 12-24 |
|-------------|-----|-----|------|-------|
| AMPERES     | 9   | 8   | 7    | 6     |

WORKING VOLTAGE: 600V AC  
 INSULATOR RESISTANCE: >1000 MOHM  
 DIELECTRIC WITHSTANDING VOLTAGE: 1500V AC/MN  
 CONTACT RESISTANCE: 10 mOHM MAX

## STANDARD

CERTIFIED: E323964

## SOLDERING

JEDEC LEAD FREE WAVE SOLDERING PROCESS

PACKAGING  
TRAY

DIMENSION  
 A = 4.20 x (NB. PIN / 2 - 1)  
 B = 4.20 x (NB. PIN / 2) + 1.20  
 C = A + 9.00  
 D = A + 15.40

RoHS Compliant

PROJECTION:



GENERAL TOLERANCE

.X =  $^{+/-} 0.2$ .XX =  $^{+/-} 0.15$ 

APPROVAL: BBu

UNIT: MM

DESCRIPTION: 4.20MM MALE DUAL ROW RIGHT ANGLE HEADER WITH  
MOUNTING FLANGES

SIZE

A4

J

I

H

REV

01-JUL-15

CORRECTIONS

DATE

PINNING

FILE

FILE

AK

QL

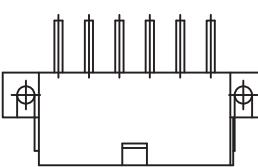
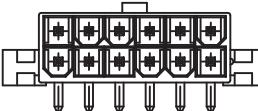
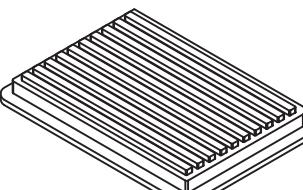
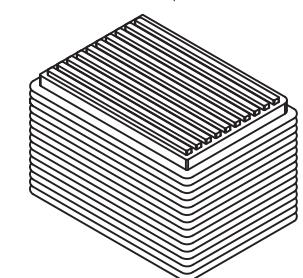
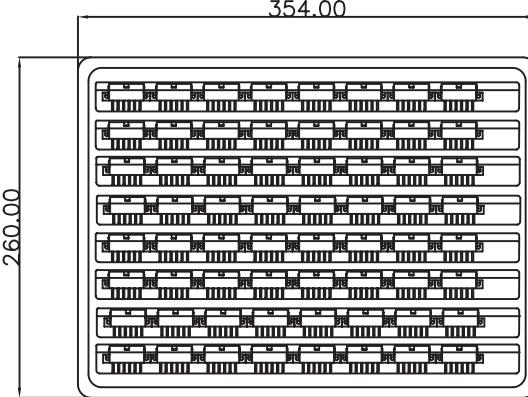
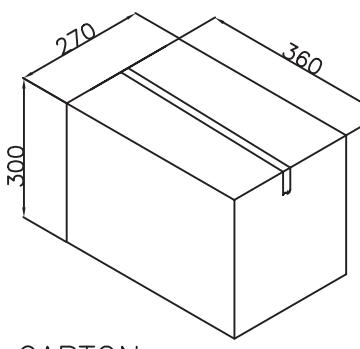
BY

SCALE:

SHEET: 1/3

DRAW: MIKE

DRAW: MIKE

| 1  | 2  | 3  | 4  | 5  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
|--|--|--|--|--|----------|--|-------------|----------------------------------|------------|-----|-------------|------|---|-----|----|------|---|-----|----|------|---|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|-----|----|----|----|-----|----|----|----|-----|----|----|----|-----|
| <br><br><br><b>TRAY</b><br><br><b>18TRAYS</b> | <br><b>354.00</b><br><b>260.00</b> | <br><b>360</b><br><b>270</b><br><b>300</b><br><b>CARTON</b> | <p>Note:</p> <p>1. Dimension:</p> <p>Tray Size: 354(L) x 260(W) x 20(H) (mm)<br/>   Carton Size: 360(L) x 270(W) x 300(H) (mm)</p> <p>2. Quantity:</p> <p>18 Tray/Carton</p> | <table border="1"> <thead> <tr> <th>Pin.</th><th>Pcs/Tray</th><th>Tray/Carton</th><th>Pcs/Carton</th></tr> </thead> <tbody> <tr><td>2</td><td>168</td><td>18</td><td>3024</td></tr> <tr><td>4</td><td>128</td><td>18</td><td>2304</td></tr> <tr><td>6</td><td>104</td><td>18</td><td>1872</td></tr> <tr><td>8</td><td>88</td><td>18</td><td>1584</td></tr> <tr><td>10</td><td>80</td><td>18</td><td>1440</td></tr> <tr><td>12</td><td>64</td><td>18</td><td>1152</td></tr> <tr><td>14</td><td>56</td><td>18</td><td>1008</td></tr> <tr><td>16</td><td>56</td><td>18</td><td>1008</td></tr> <tr><td>18</td><td>48</td><td>18</td><td>864</td></tr> <tr><td>20</td><td>48</td><td>18</td><td>864</td></tr> <tr><td>22</td><td>40</td><td>18</td><td>720</td></tr> <tr><td>24</td><td>40</td><td>18</td><td>720</td></tr> </tbody> </table> | Pin.     | Pcs/Tray   | Tray/Carton | Pcs/Carton                       | 2          | 168 | 18          | 3024 | 4 | 128 | 18 | 2304 | 6 | 104 | 18 | 1872 | 8 | 88 | 18 | 1584 | 10 | 80 | 18 | 1440 | 12 | 64 | 18 | 1152 | 14 | 56 | 18 | 1008 | 16 | 56 | 18 | 1008 | 18 | 48 | 18 | 864 | 20 | 48 | 18 | 864 | 22 | 40 | 18 | 720 | 24 | 40 | 18 | 720 |
| Pin.   | Pcs/Tray   | Tray/Carton  | Pcs/Carton   |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 2  | 168  | 18   | 3024   |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 4  | 128  | 18   | 2304   |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 6  | 104  | 18   | 1872   |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 8  | 88   | 18   | 1584   |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 10   | 80   | 18   | 1440   |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 12   | 64   | 18   | 1152   |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 14   | 56   | 18   | 1008   |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 16   | 56   | 18   | 1008   |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 18   | 48   | 18   | 864  |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 20   | 48   | 18   | 864  |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 22   | 40   | 18   | 720  |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| 24   | 40   | 18   | 720  |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| <b>RoHS Compliant</b>  | <b>PROJECTION:</b><br>            | <b>GENERAL TOLERANCE</b><br>$.X = +/_ 0.2$<br>$.XX = +/_ 0.15$   | <br><b>WÜRTH ELEKTRONIK</b>   | <b>APPROVAL:</b> BBu <table border="1"> <tr><td>UNIT: MM</td><td>DESCRIPTION: 4.20MM MALE DUAL ROW RIGHT ANGLE HEADER WITH MOUNTING FLANGES</td></tr> <tr><td>SCALE:</td><td>WERI PART NO: 649 0xx 210 22_TPK</td></tr> <tr><td>SHEET: 2/3</td><td></td></tr> <tr><td>DRAW: PEARL</td><td></td></tr> </table>  | UNIT: MM | DESCRIPTION: 4.20MM MALE DUAL ROW RIGHT ANGLE HEADER WITH MOUNTING FLANGES | SCALE:      | WERI PART NO: 649 0xx 210 22_TPK | SHEET: 2/3 |     | DRAW: PEARL |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
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| SCALE:   | WERI PART NO: 649 0xx 210 22_TPK   |  |  |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| SHEET: 2/3   |  |  |  |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| DRAW: PEARL  |  |  |  |  |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |
| <b>REV</b><br><b>DATE</b><br><b>FILE</b><br><b>BY</b>  |  |  |  | <b>SIZE</b><br><b>A4</b>   |          |  |             |                                  |            |     |             |      |   |     |    |      |   |     |    |      |   |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |      |    |    |    |     |    |    |    |     |    |    |    |     |    |    |    |     |

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## 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              |           |      |    |
| F              |           |      |    |
| E              |           |      |    |
| D              |           |      |    |
| C              |           |      |    |
| B              |           |      |    |
| A              | 10-SEP-14 | PDF  | QL |
| REV            | DATE      | FILE | BY |



PROJECTION:

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



APPROVAL: JC

UNIT: MM  
SCALE:  
SHEET: 3/3  
DRAW: QL

DESCRIPTION: DISCLAIMER  
WERI PART NO: DISCLAIMER

SIZE  
**A4**