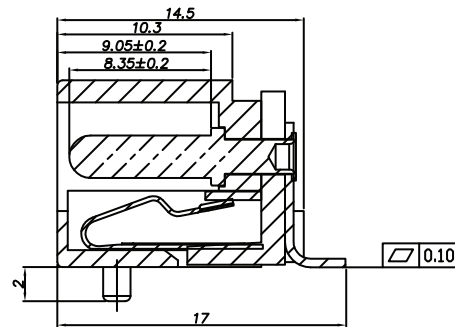
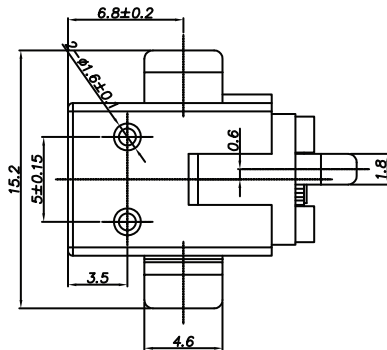
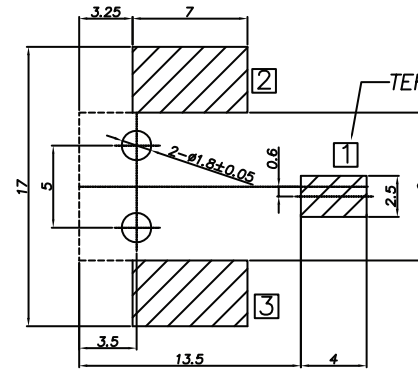
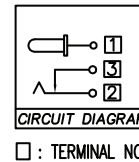


DC MATE PLUG



PCB LAYOUT - COMPONENT VIEW  
TOLERANCE ± 0.05



# TERMINAL NO. TECHNICAL CHARACTERISTICS

MATERIAL  
INSULATOR: PA 9T  
FLAMABILITY RATING: UL94-V0  
COLOR: BLACK  
CONTACT MATERIAL: COPPER ALLOY  
CONTACT TYPE: STAMPED  
PLATING:  
- CENTER PIN: GOLD  
- CENTER PIN TERMINAL: TIN  
- SHUNT TERMINAL: TIN  
- TIP SPRING: TIN  
QUALITY CLASS: 5000 MATING CYLCES

ENVIRONMENTAL  
OPERATING TEMPERATURE: -40°C UP TO +85°C  
COMPLIANCE: LEAD FREE AND ROHS

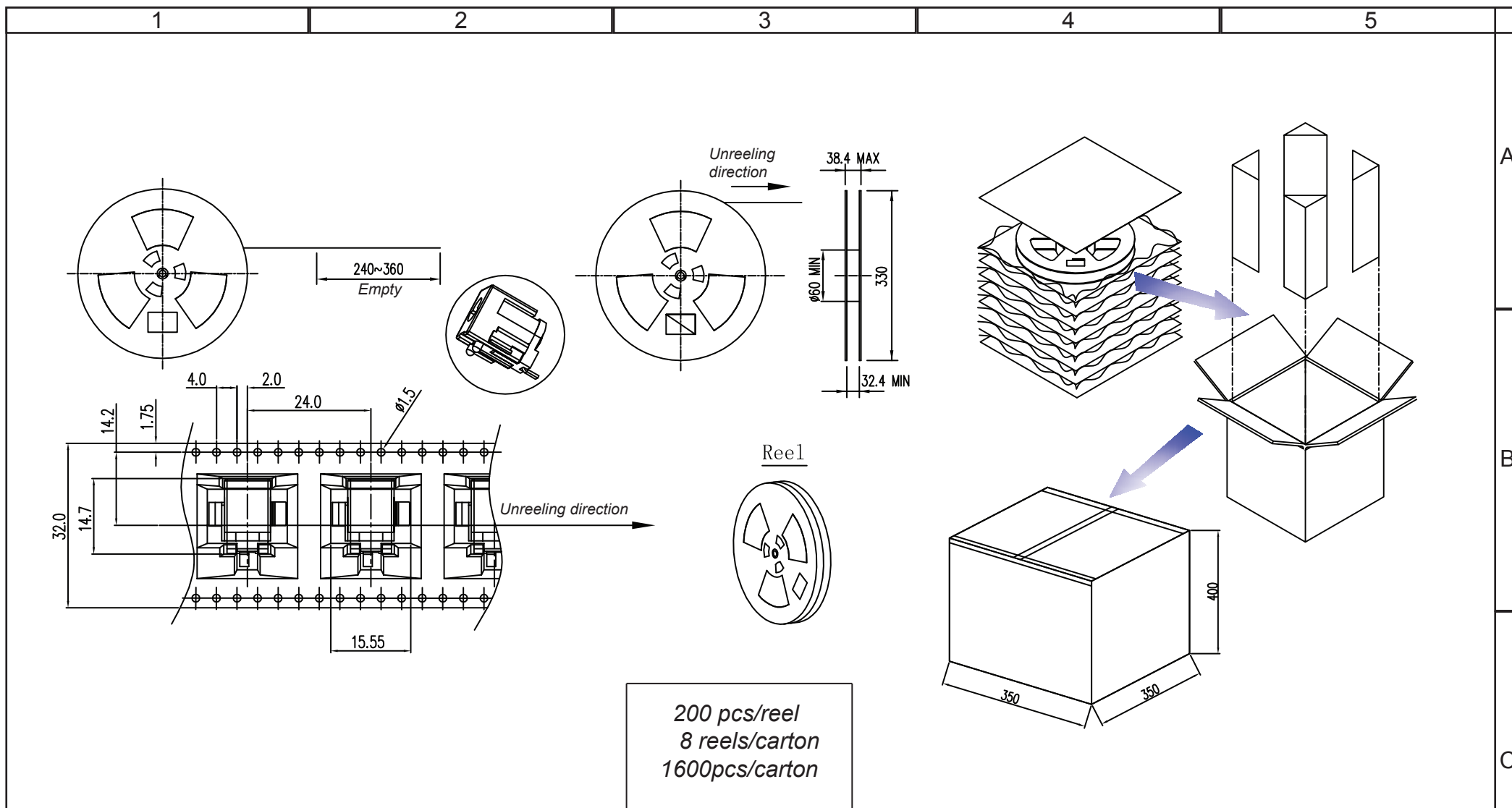
ELECTRICAL  
CURRENT RATING: 5A  
WORKING VOLTAGE: 24 V DC  
INSULATION RESISTANCE: >100 MΩ  
DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC/MIN  
CONTACT RESISTANCE: 50 mΩ max

SOLDERING  
JEDEC LEAD FREE REFLOW SOLDERING PROCESS

PACKAGING  
TAPE & REEL

|              |                                        |                                        |
|--------------|----------------------------------------|----------------------------------------|
| Ø A          | 2.0                                    | 2.5                                    |
| XX           | 06                                     | 08                                     |
| PLUG INNER Ø | 2.05 <sup>+0.10</sup> <sub>-0.00</sub> | 2.55 <sup>+0.10</sup> <sub>-0.00</sub> |
| PLUG OUTER Ø | 5.5±0.05                               | 5.5±0.05                               |

|                |           |      |    |                 |                                                                            |                               |                                                                     |                   |
|----------------|-----------|------|----|-----------------|----------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------|-------------------|
| RoHS Compliant |           |      |    | PROJECTION:<br> | GENERAL TOLERANCE<br>X = $\pm$ 0.50<br>.X = $\pm$ 0.30<br>.XX = $\pm$ 0.20 |                               | DESCRIPTION: DC POWER JACK - RIGHT ANGLED - SMT - 2.0 & 2.5Ø -WR-DC | SIZE<br><b>A4</b> |
| G              |           |      |    |                 |                                                                            |                               |                                                                     |                   |
| F              |           |      |    | APPROVAL: JTs   | UNIT: MM                                                                   | WERI PART NO: 694 1xx 105 102 |                                                                     |                   |
| E              |           |      |    |                 | SCALE:                                                                     |                               |                                                                     |                   |
| D              |           |      |    |                 | SHEET: 1/3                                                                 |                               |                                                                     |                   |
| C              |           |      |    |                 | DRAW: AS                                                                   |                               |                                                                     |                   |
| B              |           |      |    | APPROVAL: JTs   |                                                                            |                               |                                                                     |                   |
| A              | 29-OCT-14 | PDF  | AS |                 |                                                                            |                               |                                                                     |                   |
| REV            | DATE      | FILE | BY |                 |                                                                            |                               |                                                                     |                   |



|                |           |      |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |                               |
|----------------|-----------|------|----|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|
| RoHS Compliant |           |      |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |                               |
| G              |           |      |    | <div>PROJECTION:</div> <div></div> | <div>GENERAL TOLERANCE</div> <div>.X = <math>\pm</math> 0.2</div> <div>.XX = <math>\pm</math> 0.15</div> | <div></div> <div>WÜRTH ELEKTRONIK</div> |  |                               |
| F              |           |      |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |                               |
| E              |           |      |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |                               |
| D              |           |      |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |                               |
| C              |           |      |    | <div>APPROVAL: JTs</div>                                                                                              | UNIT: MM                                                                                                 | <div>DESCRIPTION: DC POWER JACK - RIGHT ANGLED - SMT - 2.0 &amp; 2.5Ø -WR-DC</div>                                           |  | <div>SIZE</div> <div>A4</div> |
| B              |           |      |    |                                                                                                                       | SCALE:                                                                                                   |                                                                                                                              |  |                               |
| A              | 22-JUL-14 | PDF  | AS |                                                                                                                       | SHEET: 2/3                                                                                               | <div>WERI PART NO: 694 1xx 105 102</div>                                                                                     |  |                               |
| REV            | DATE      | FILE | BY |                                                                                                                       | DRAW: AS                                                                                                 |                                                                                                                              |  |                               |

| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |      |    | 2                                                                                                                     |  |  |  | 3                                                                                                        |  |  |  | 4                                                                                                                            |  |  |  | 5 |  |  |  |      |  |  |  |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|----|-----------------------------------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------------------------------------|--|--|--|------------------------------------------------------------------------------------------------------------------------------|--|--|--|---|--|--|--|------|--|--|--|----|
| <h2>Cautions and Warnings:</h2> <p>This electronic component is designed and developed with the intention for use in general electronics equipments.</p> <p>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.</p> <p>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.</p> |           |      |    |                                                                                                                       |  |  |  |                                                                                                          |  |  |  |                                                                                                                              |  |  |  | A |  |  |  |      |  |  |  |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |      |    |                                                                                                                       |  |  |  |                                                                                                          |  |  |  |                                                                                                                              |  |  |  | B |  |  |  |      |  |  |  |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |      |    |                                                                                                                       |  |  |  |                                                                                                          |  |  |  |                                                                                                                              |  |  |  | C |  |  |  |      |  |  |  |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |      |    |                                                                                                                       |  |  |  |                                                                                                          |  |  |  |                                                                                                                              |  |  |  | D |  |  |  |      |  |  |  |    |
| RoHS Compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |           |      |    | <div>PROJECTION:</div> <div></div> |  |  |  | <div>GENERAL TOLERANCE</div> <div>.X = <math>\pm</math> 0.2</div> <div>.XX = <math>\pm</math> 0.15</div> |  |  |  | <div></div> <div>WÜRTH ELEKTRONIK</div> |  |  |  |   |  |  |  | SIZE |  |  |  |    |
| G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |      |    |                                                                                                                       |  |  |  |                                                                                                          |  |  |  |                                                                                                                              |  |  |  |   |  |  |  |      |  |  |  | A4 |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |      |    |                                                                                                                       |  |  |  |                                                                                                          |  |  |  |                                                                                                                              |  |  |  |   |  |  |  |      |  |  |  |    |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |      |    |                                                                                                                       |  |  |  |                                                                                                          |  |  |  |                                                                                                                              |  |  |  |   |  |  |  |      |  |  |  |    |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |      |    |                                                                                                                       |  |  |  |                                                                                                          |  |  |  |                                                                                                                              |  |  |  |   |  |  |  |      |  |  |  |    |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |      |    | APPROVAL: JC                                                                                                          |  |  |  | UNIT: MM                                                                                                 |  |  |  | DESCRIPTION: DISCLAIMER                                                                                                      |  |  |  |   |  |  |  |      |  |  |  |    |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |      |    |                                                                                                                       |  |  |  | SCALE:                                                                                                   |  |  |  |                                                                                                                              |  |  |  |   |  |  |  |      |  |  |  |    |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10-SEP-14 | PDF  | QL |                                                                                                                       |  |  |  | SHEET: 3/3                                                                                               |  |  |  | WERI PART NO: DISCLAIMER                                                                                                     |  |  |  |   |  |  |  |      |  |  |  |    |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DATE      | FILE | BY |                                                                                                                       |  |  |  | DRAW: QL                                                                                                 |  |  |  |                                                                                                                              |  |  |  |   |  |  |  |      |  |  |  |    |

# Mouser Electronics

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