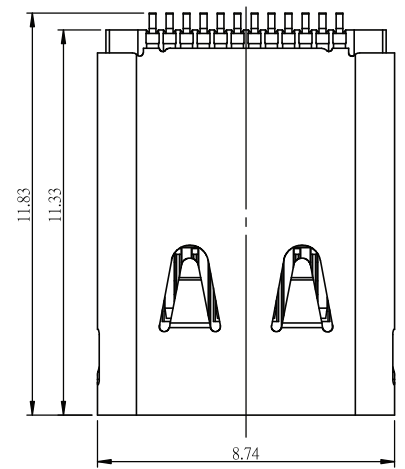
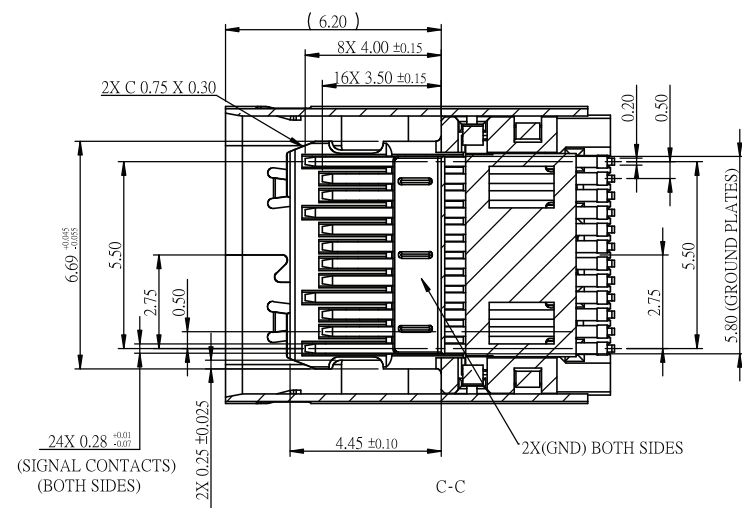
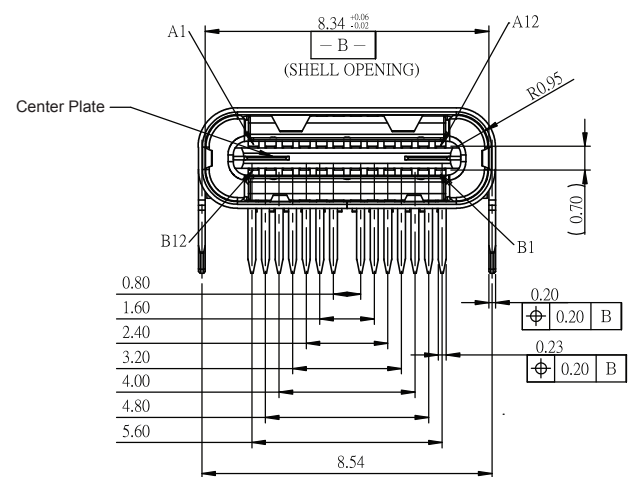
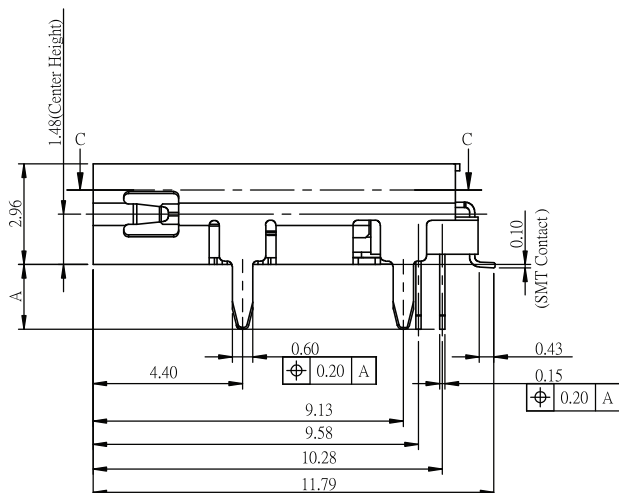




### TECHNICAL CHARACTERISTICS

**MATERIAL**  
INSULATOR: LCP  
FLAMMABILITY RATING: UL94-V0  
COLOR: BLACK  
CONTACT MATERIAL: BRASS  
CONTACT PLATING: GOLD OVERPd-Ni  
CONTACT AREA: 30µ" Pd-Ni+2µ" Gold  
QUALITY CLASS: 10 000 MATING CYCLES

**ENVIRONMENTAL**  
OPERATING TEMPERATURE: -25°C UP TO +105°C  
COMPLIANCE: LEAD FREE & ROHS

**ELECTRICAL**  
CURRENT RATING:  
A1,A12,B1 & B12 – ALL CONNECTED TOGETHER: 5 A  
A4,A9,B4 & B9 – ALL CONNECTED TOGETHER: 5 A  
A5 & B5: 1.25 A  
ALL OTHER PINS: 0.25 A

WORKING VOLTAGE: 20 VDC  
WITHSTANDING VOLTAGE: 100 VAC/MIN  
INSULATION RESISTANCE: > 1000 MΩ  
CONTACT RESISTANCE: 30 mΩ MAX

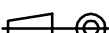
**MECHANICAL**  
INSERTION FORCE: 5-8 N MAX  
EXTRACTION FORCE: 8-20 N MIN

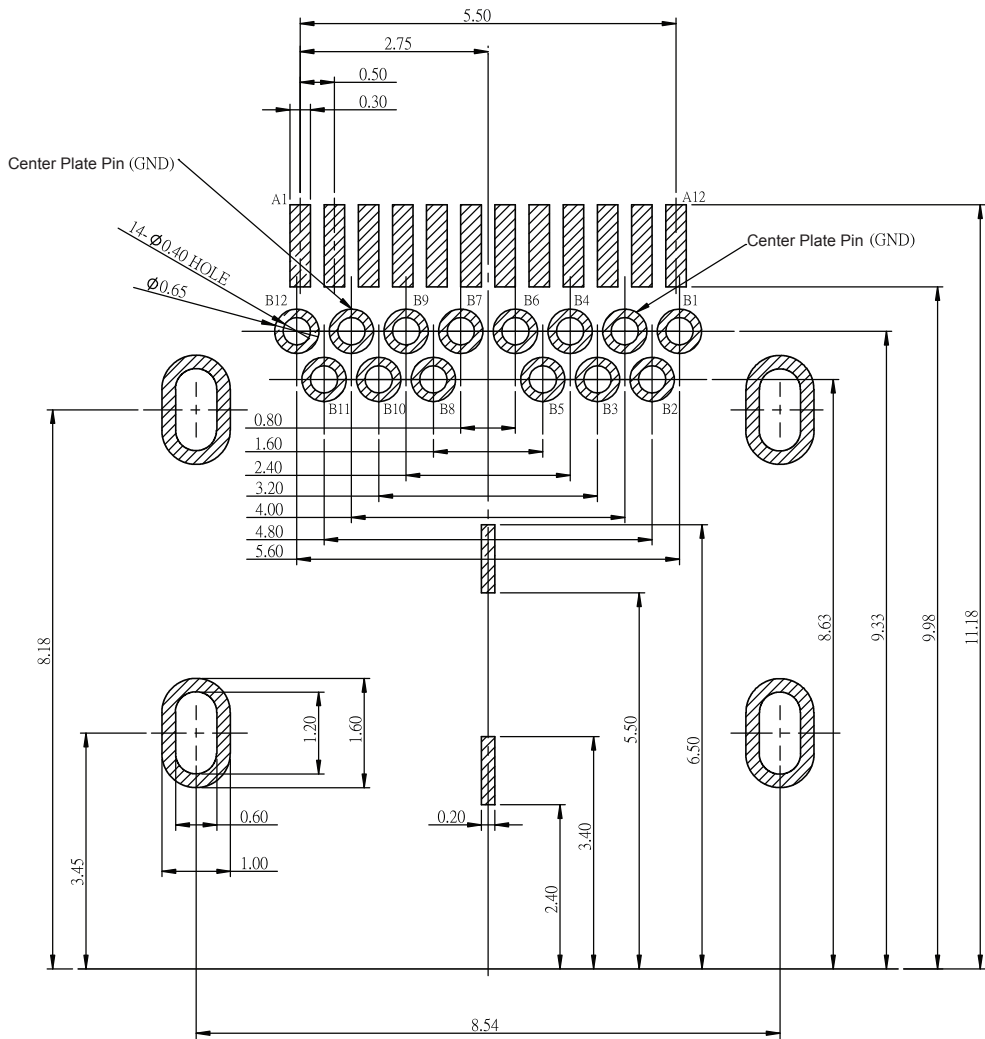
**STANDARD**  
CERTIFIED: E323964  
TID LISTED

**SOLDERING**  
JEDEC LEAD FREE REFLOW SOLDERING PROCESS

**PACKAGING**  
TAPE & REEL

| X | PCB THICKNESS | A       |
|---|---------------|---------|
| 1 | 1.00 MM       | 1.50 MM |
| 3 | 1.60 MM       | 1.90 MM |

|                |           |                 |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |      |
|----------------|-----------|-----------------|----|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--|------|
| 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> |  |      |
| G              |           |                 |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |      |
| F              |           |                 |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |      |
| E              |           |                 |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |      |
| D              |           |                 |    |                                                                                                                       |                                                                                                          |                                                                                                                              |  |      |
| C              |           |                 |    | APPROVAL: NPr                                                                                                         | UNIT: MM                                                                                                 | DESCRIPTION: USB 3.1 TYPE C RECEPTACLE - HORIZONTAL THT/SMT                                                                  |  | SIZE |
| B              | 01-JUN-17 | CHARACTERISTICS | AK |                                                                                                                       | SCALE:                                                                                                   |                                                                                                                              |  |      |
| A              | 17-NOV-15 | PDF             | AK |                                                                                                                       | SHEET: 1/4                                                                                               | WERI PART NO: 632 723 x00 021                                                                                                |  |      |
| REV            | DATE      | FILE            | BY |                                                                                                                       | DRAW: AK                                                                                                 |                                                                                                                              |  |      |

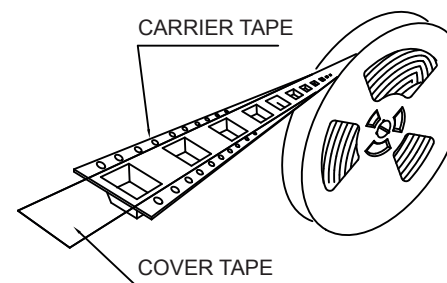
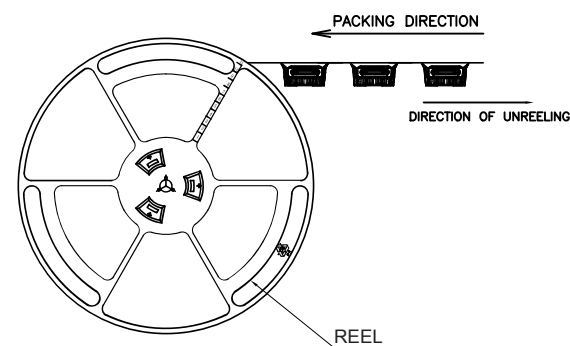
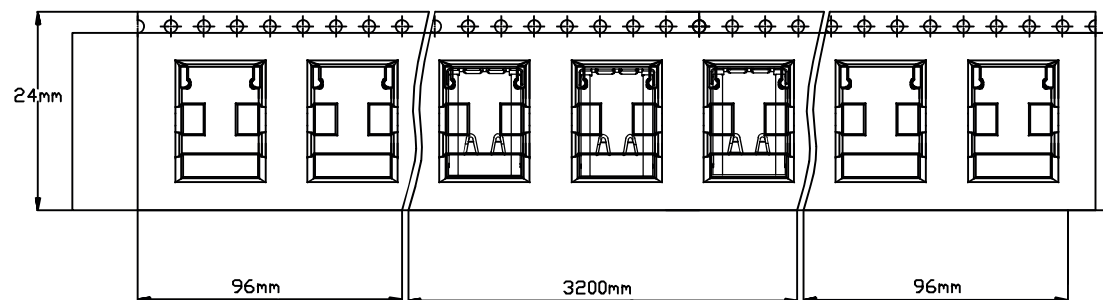
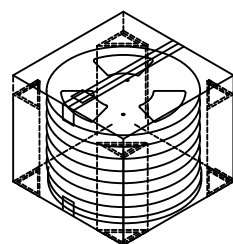
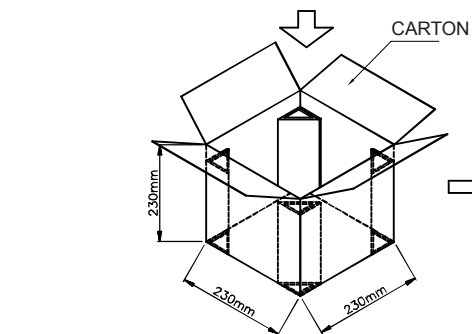


PCB LAYOUT - COMPONENT VIEW

| Pin Number | Signal Name | Pin Number | Signal Name |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A2         | SSTXp1      | B11        | SSRXp1      |
| A3         | SSTXn1      | B10        | SSRXn1      |
| A4         | VBUS        | B9         | VBUS        |
| A5         | CC1         | B8         | SBU2        |
| A6         | Dp1         | B7         | Dn2         |
| A7         | Dn1         | B6         | Dp2         |
| A8         | SBU1        | B5         | CC2         |
| A9         | VBUS        | B4         | VBUS        |
| A10        | SSRXn2      | B3         | SSTXn2      |
| A11        | SSRXp2      | B2         | SSTXp2      |
| A12        | GND         | B1         | GND         |

| X | PCB THICKNESS |
|---|---------------|
| 1 | 1.00 MM       |
| 3 | 1.60 MM       |

|                |      |      |    |                                                                                                                       |                                                                                                          |                                                                                                                                                                         |  |                   |
|----------------|------|------|----|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|
| 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>DESCRIPTION: USB 3.1 TYPE C RECEPTACLE - HORIZONTAL THT/SMT</div> |  | SIZE<br><b>A4</b> |
| G              |      |      |    |                                                                                                                       |                                                                                                          |                                                                                                                                                                         |  |                   |
| F              |      |      |    |                                                                                                                       |                                                                                                          |                                                                                                                                                                         |  |                   |
| E              |      |      |    |                                                                                                                       |                                                                                                          |                                                                                                                                                                         |  |                   |
| D              |      |      |    | APPROVAL: NPr                                                                                                         | UNIT: MM                                                                                                 | WERI PART NO: 632 723 x00 021                                                                                                                                           |  |                   |
| C              |      |      |    |                                                                                                                       | SCALE:                                                                                                   |                                                                                                                                                                         |  |                   |
| B              |      |      |    |                                                                                                                       | SHEET: 2/4                                                                                               |                                                                                                                                                                         |  |                   |
| A              |      |      |    |                                                                                                                       | DRAW: AK                                                                                                 |                                                                                                                                                                         |  |                   |
| REV            | DATE | FILE | BY |                                                                                                                       |                                                                                                          |                                                                                                                                                                         |  |                   |



200 pcs/reel  
5 reels/carton  
1000 pcs/carton

|                |      |      |    |                                                                                                                       |                                                                                                          |                                                                                                                              |                   |
|----------------|------|------|----|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 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              |      |      |    | APPROVAL: NPr                                                                                                         | UNIT: MM                                                                                                 | DESCRIPTION: USB 3.1 TYPE C RECEPTACLE - HORIZONTAL THT/SMT                                                                  | SIZE<br><b>A4</b> |
| B              |      |      |    |                                                                                                                       | SCALE:                                                                                                   |                                                                                                                              |                   |
| A              |      |      |    |                                                                                                                       | SHEET: 3/4                                                                                               | WERI PART NO: 632 723 x00 021                                                                                                |                   |
| REV            | DATE | FILE | BY |                                                                                                                       | DRAW: AK                                                                                                 |                                                                                                                              |                   |



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Wurth Elektronik:](#)

[632723100021](#) [632723300021](#)