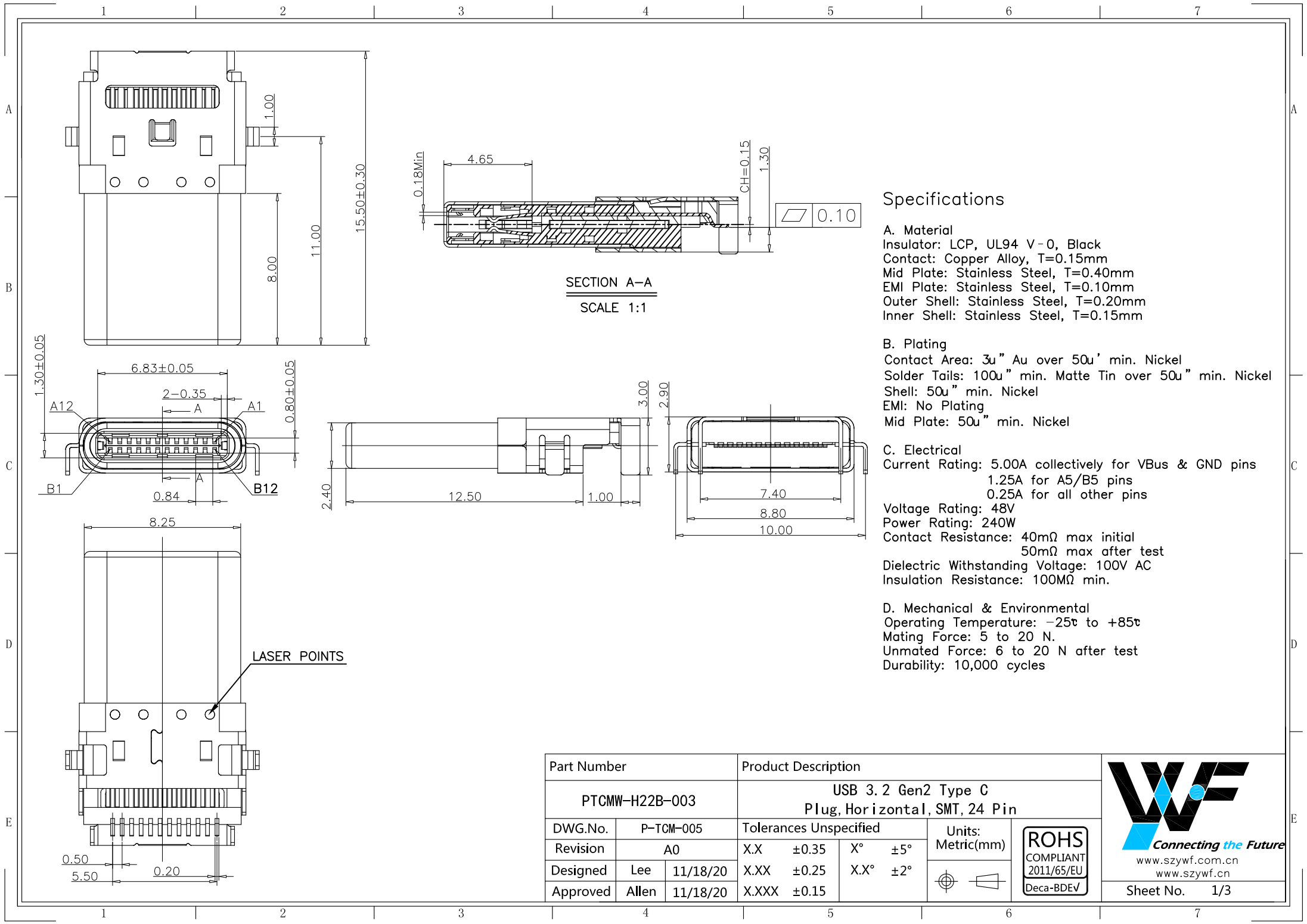




## Specifications

### A. Material

Insulator: LCP, UL94 V-0, Black  
Contact: Copper Alloy, T=0.15mm  
Mid Plate: Stainless Steel, T=0.40mm  
EMI Plate: Stainless Steel, T=0.10mm  
Outer Shell: Stainless Steel, T=0.20mm  
Inner Shell: Stainless Steel, T=0.15mm

### B. Plating

Contact Area: 3u" Au over 50u" min. Nickel  
Solder Tails: 100u" min. Matte Tin over 50u" min. Nickel  
Shell: 50u" min. Nickel  
EMI: No Plating  
Mid Plate: 50u" min. Nickel

### C. Electrical

Current Rating: 5.00A collectively for VBus & GND pins  
1.25A for A5/B5 pins  
0.25A for all other pins  
Voltage Rating: 48V  
Power Rating: 240W  
Contact Resistance: 40mΩ max initial  
50mΩ max after test  
Dielectric Withstanding Voltage: 100V AC  
Insulation Resistance: 100MΩ min.

### D. Mechanical & Environmental

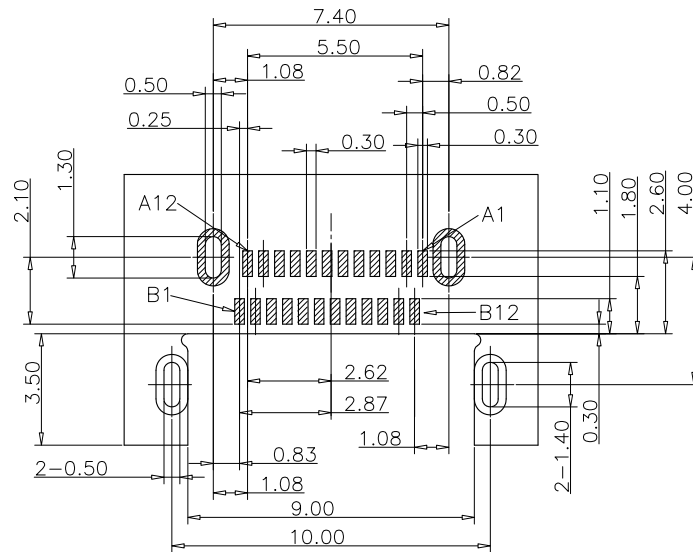
Operating Temperature: -25°C to +85°C  
Mating Force: 5 to 20 N.  
Unmated Force: 6 to 20 N after test  
Durability: 10,000 cycles

| Part Number    |           |          | Product Description                                  |          |                                                  |
|----------------|-----------|----------|------------------------------------------------------|----------|--------------------------------------------------|
| PTCMW-H22B-003 |           |          | USB 3.2 Gen2 Type C<br>Plug, Horizontal, SMT, 24 Pin |          |                                                  |
| DWG.No.        | P-TCM-005 |          | Tolerances Unspecified                               |          | Units:<br>Metric(mm)                             |
| Revision       | A0        |          | X.X ±0.35                                            | X° ±5°   | <br>ROHS<br>COMPLIANT<br>2011/65/EU<br>Deca-BDEV |
| Designed       | Lee       | 11/18/20 | X.XX ±0.25                                           | X.X° ±2° |                                                  |
| Approved       | Allen     | 11/18/20 | X.XXX ±0.15                                          |          |                                                  |
|                |           |          |                                                      |          |                                                  |

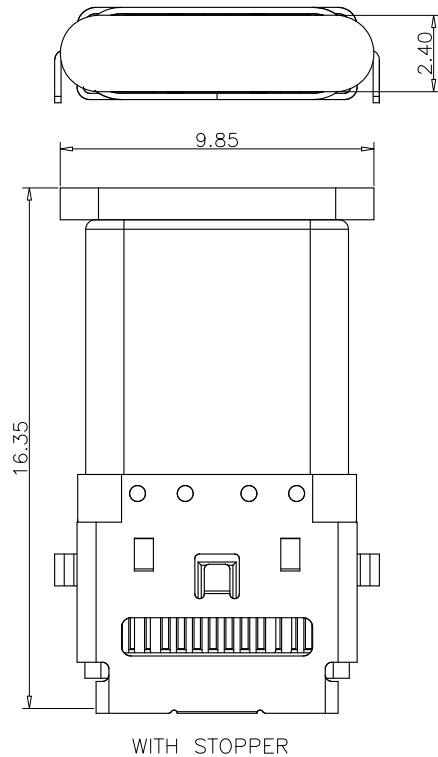


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Sheet No. 1/3

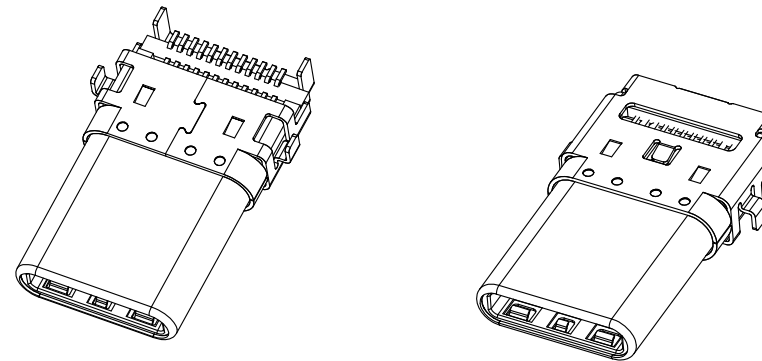


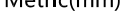
**RECOMMENDED PCB LAYOUT (COMPONENT SIDE)**  
TOLERANCE FOR PCB LAYOUT IS  $\pm 0.05$



#### PIN ASSIGNMENTS

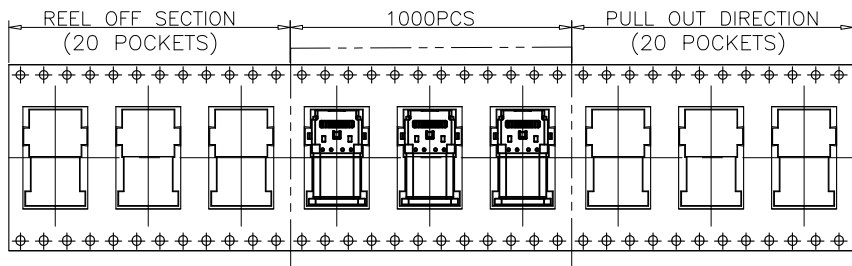
| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A2         | TX1+        | B11        | TX1+        |
| A3         | TX1-        | B10        | TX1-        |
| A4         | VBUS        | B9         | VBUS        |
| A5         | CC1         | B8         | SBU2        |
| A6         | DP1         | B7         | DN2         |
| A7         | DN1         | B6         | DP2         |
| A8         | SBU1        | B5         | CC2         |
| A9         | VBUS        | B4         | VBUS        |
| A10        | RX2-        | B3         | TX2-        |
| A11        | RX2+        | B2         | TX2+        |
| A12        | GND         | B1         | GND         |



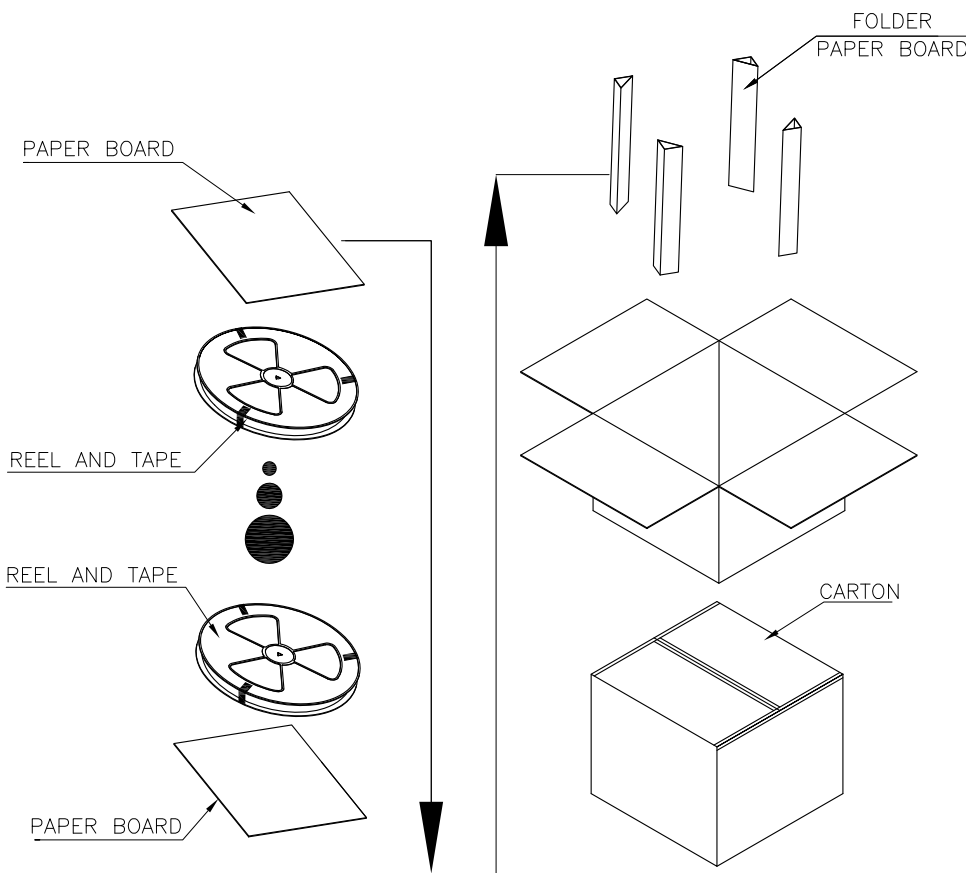
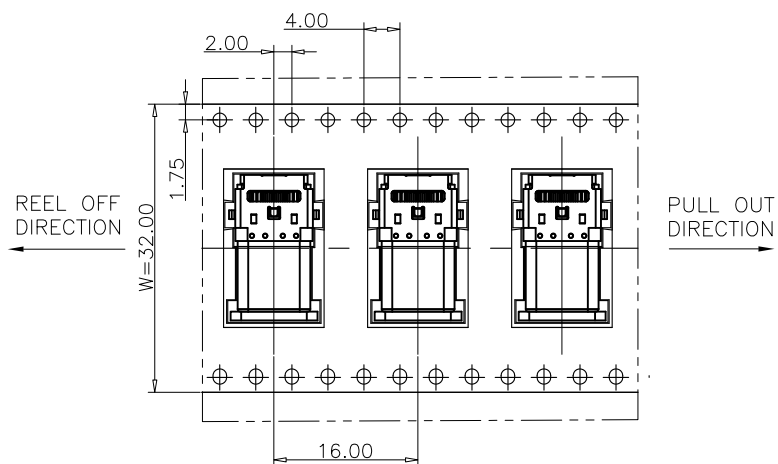
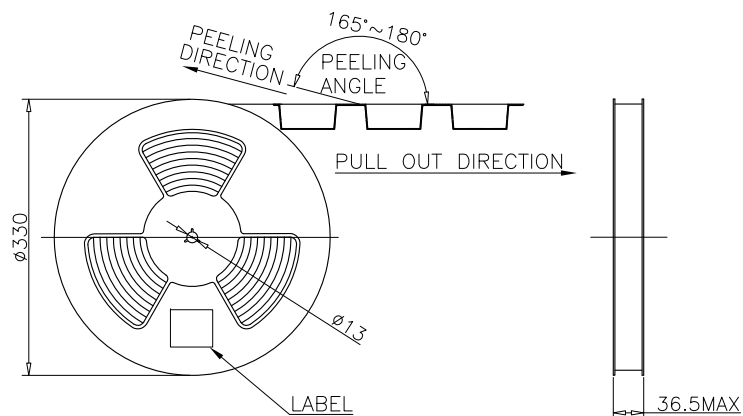
|             |       |          |                        |          |                                                                                       |                                                                                                                                                                                                   |                                                                                       |
|-------------|-------|----------|------------------------|----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Part Number |       |          | Product Description    |          |                                                                                       | <br><a href="http://www.szywf.com.cn">www.szywf.com.cn</a><br><a href="http://www.szywf.cn">www.szywf.cn</a> |                                                                                       |
|             |       |          |                        |          |                                                                                       |                                                                                                                                                                                                   |                                                                                       |
| DWG.No.     |       |          | Tolerances Unspecified |          | Units:<br>Metric(mm)                                                                  |                                                                                                                                                                                                   |  |
| Revision    | A0    |          | X.X ±0.35              | X° ±5°   |  |                                                                                                                                                                                                   |                                                                                       |
| Designed    | Lee   | 11/18/20 | X.XX ±0.25             | X.X° ±2° |                                                                                       |                                                                                                                                                                                                   |                                                                                       |
| Approved    | Allen | 11/18/20 | X.XXX ±0.15            |          |                                                                                       | Sheet No. 2/3                                                                                                                                                                                     |                                                                                       |



Sheet No. 2/3



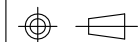
SEE DETAIL X



|                | REEL | CARTON |
|----------------|------|--------|
| QUANTITY (PCS) | 1000 | 8000   |

| Part Number |       |          | Product Description |          |  |
|-------------|-------|----------|---------------------|----------|--|
| DWG.No.     |       |          |                     |          |  |
| Revision    | A0    |          | X.X ±0.35           | X° ±5°   |  |
| Designed    | Lee   | 11/18/20 | X.XX ±0.25          | X.X° ±2° |  |
| Approved    | Allen | 11/18/20 | X.XXX ±0.15         |          |  |

Units:  
Metric(mm)



**ROHS**  
COMPLIANT  
2011/65/EU  
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