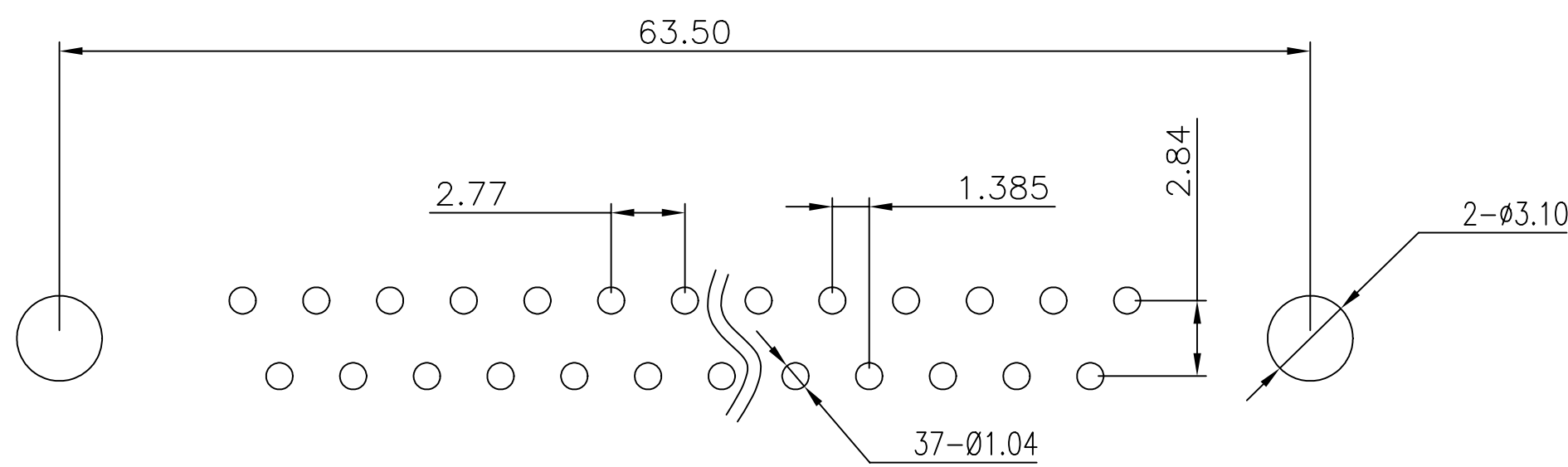
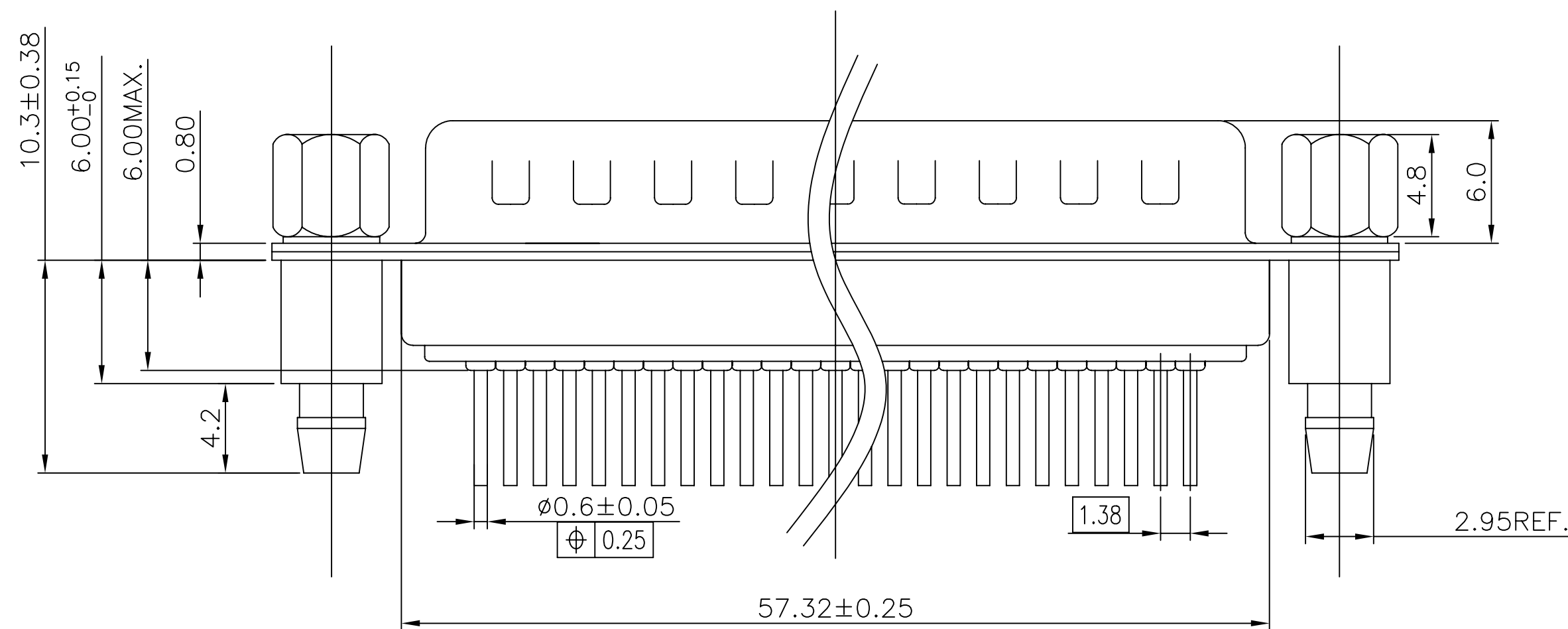
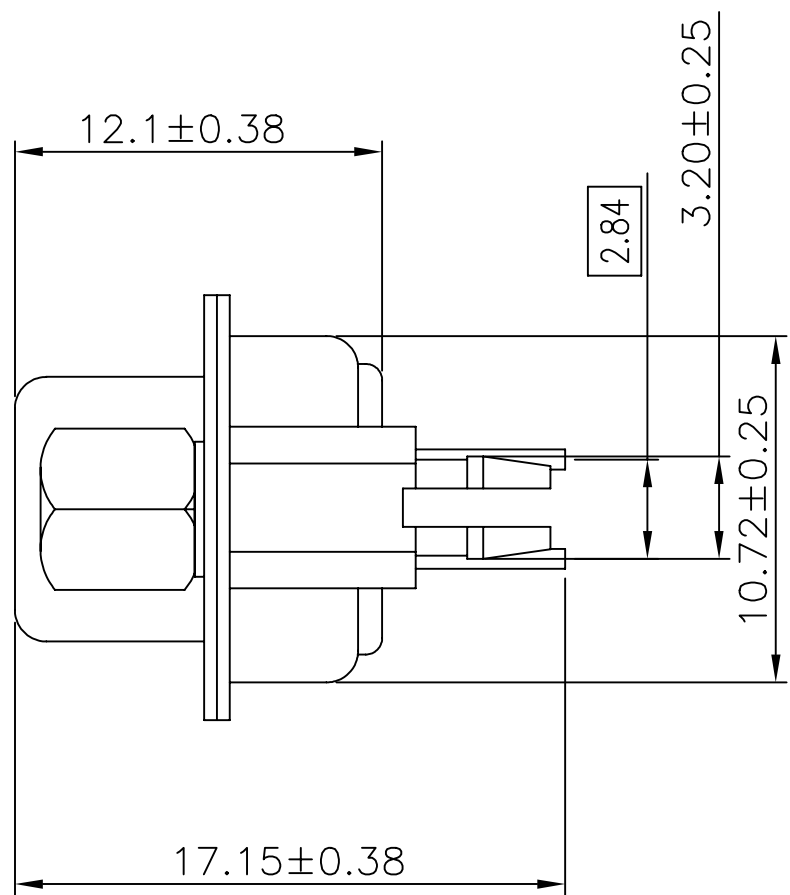
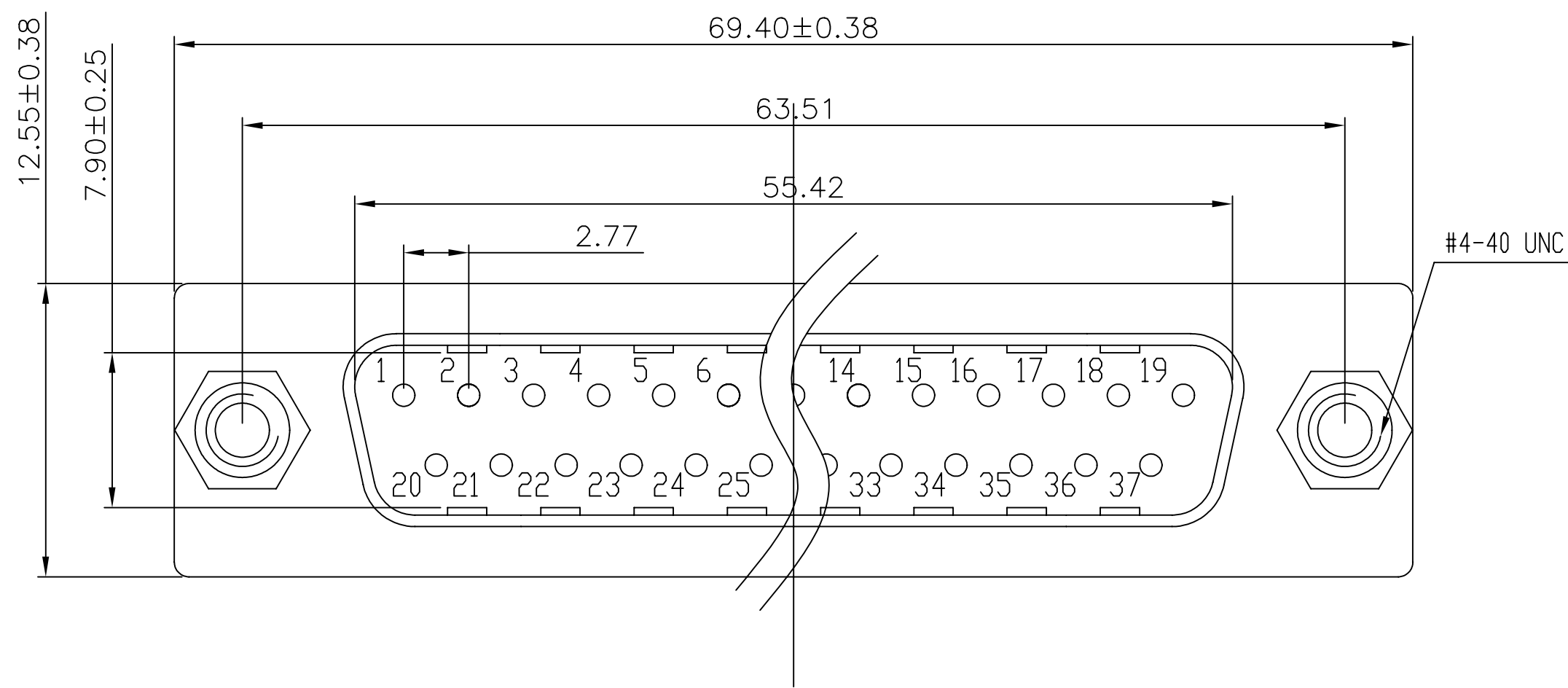


NOTE:

1. MATERIAL:  
HOUSING: PBT WITH 20% GF UL 94 V-0, BLACK COLOR  
CONTACTS: BRASS.  
SHELL: STEEL.  
SCREW: BRASS.  
SCREW LOCK: BRASS.  
SCREW TORQUE: 5kgf-cm MAX.

2. FINISH:
- CONTACTS: GOLD PLATED  $0.375\mu\text{m}$  [15 $\mu''$ ] MIN OR GOLD FLASH  
OVER PALLADIUM NICKEL PLATE  $0.375\mu\text{m}$  [15 $\mu''$ ] MIN ON  
CONTACT AREA.
- MATTE TIN ON SOLDER TAIL
- $2.54\mu\text{m}$  [100 $\mu''$ ], WITH ENTIRE CONTACT  
UNDERPLATED  $1.27\mu\text{m}$  [50 $\mu''$ ] MIN. NICKEL.
- FRONT SHELL:  $2.54\mu\text{m}$  [100 $\mu''$ ] MIN. NICKEL PLATED.
- REAR SHELL:  $1.27\mu\text{m}$  [50 $\mu''$ ] MIN NICKEL UNDERPLATE.
- $2.54\mu\text{m}$  [100 $\mu''$ ] MIN BRIGHT TIN PLATE
- SCREW LOCK:  $1.27\mu\text{m}$  [50 $\mu''$ ] MIN. NICKEL PLATED.
- BOARD LOCK:  $1.27\mu\text{m}$  [50 $\mu''$ ] MIN NICKEL UNDERPLATE
- $1.27\mu\text{m}$  [50 $\mu''$ ] MIN MATTE TIN PLATE

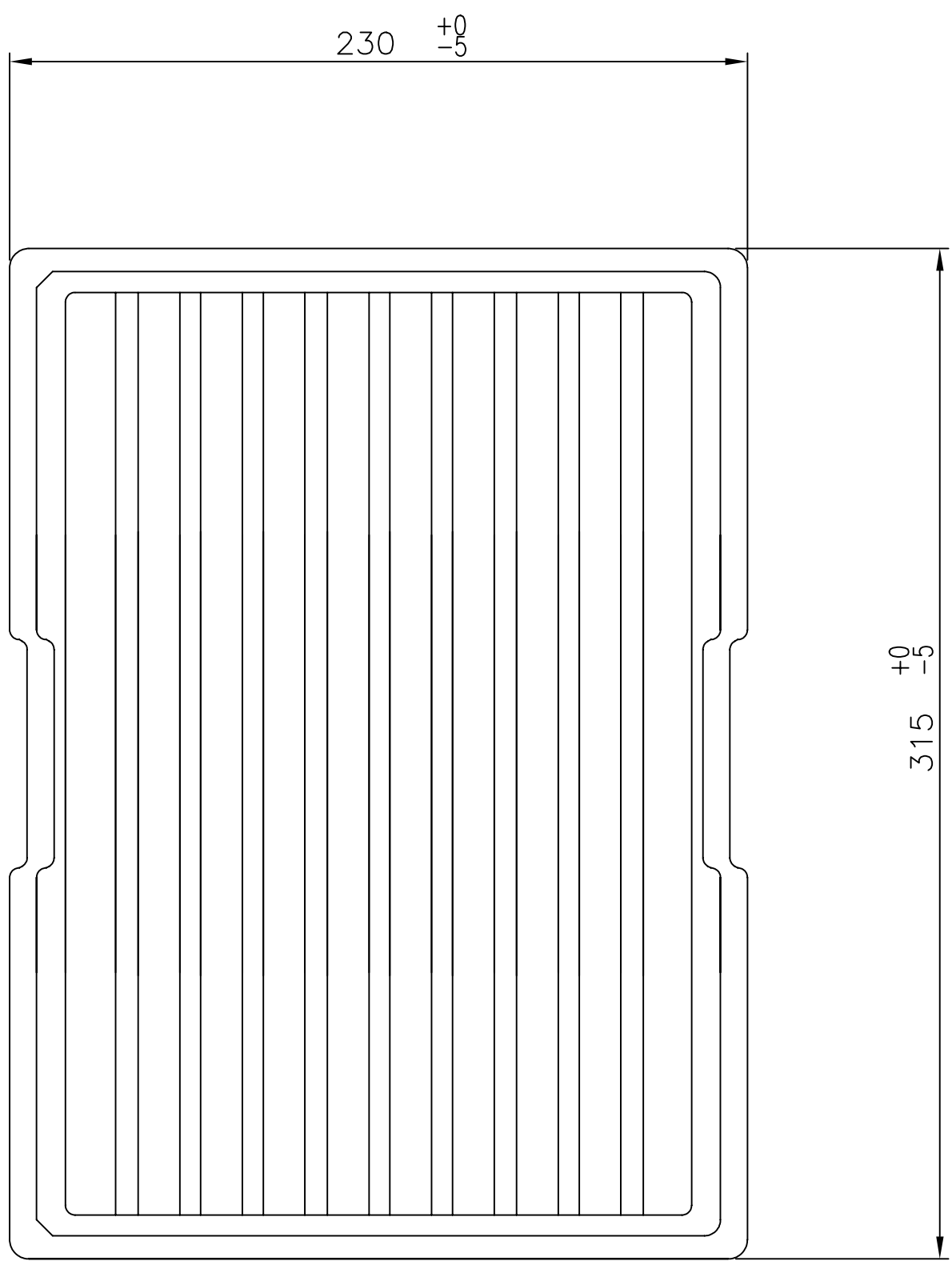
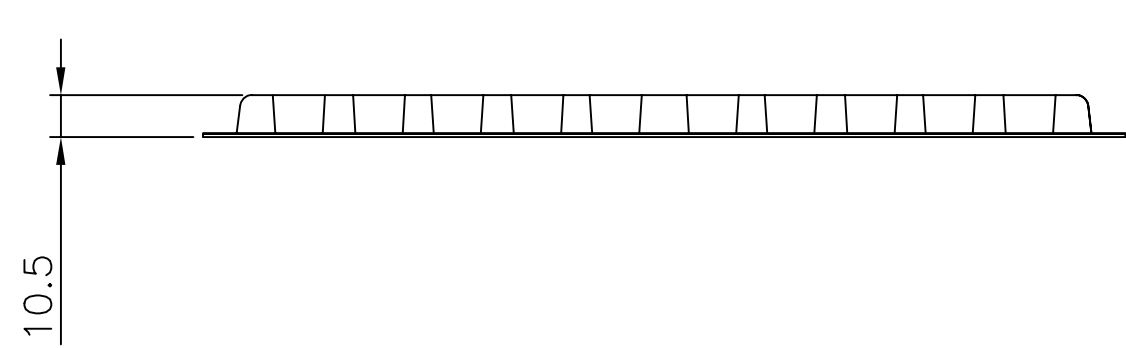
3. WAVE SOLDER CAPABLE TO 265°C PER TE TEST SPEC.  
109-202, CONDITION B.



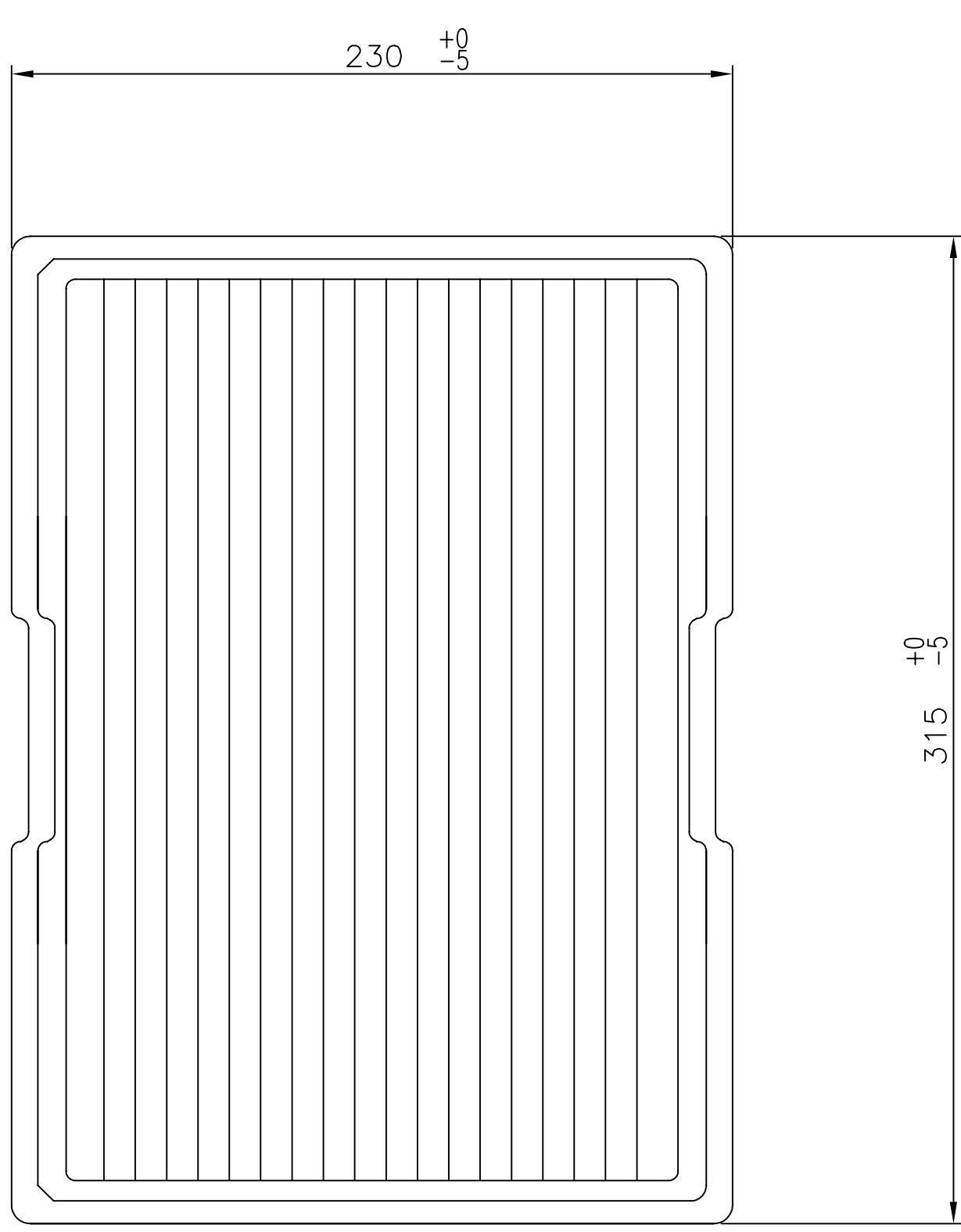
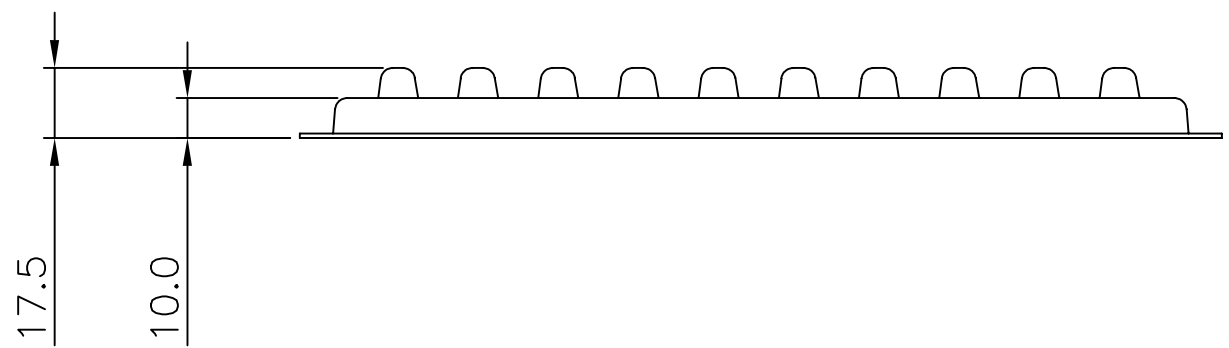
## RECOMMENDED PCB LAYOUT

|                                                                                       |  |                                                                                                                                     |  |                                                                                                            |  |                                                                       |  |
|---------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN 06FEB2017<br>AJITH PAI<br>CHK 06FEB2017<br>DAN GORENC                                                                           |  |  TE Connectivity Ltd. |  |                                                                       |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br><br>0 PLC ± -<br>1 PLC ± 0.25<br>2 PLC ± 0.15<br>3 PLC ± 0.10<br>4 PLC ± -<br>ANGLES ± 2° |  | APVD 06FEB2017<br>-<br>PRODUCT SPEC<br>108-130013<br>APPLICATION SPEC<br>-<br>WEIGHT 0                     |  | NAME<br><br>D-SUB HD20 VERTICAL<br>37P PLUG CONNECTOR<br>-            |  |
|  |  | MATERIAL<br>-                                                                                                                       |  | FINISH<br>-                                                                                                |  | SIZE A2<br>CAGE CODE 00779<br>DRAWING NO C=2301836<br>RESTRICTED TO - |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                                                                     |  |                                                                                                            |  | SCALE 3:1<br>SHEET 1 of 3<br>REV D1                                   |  |

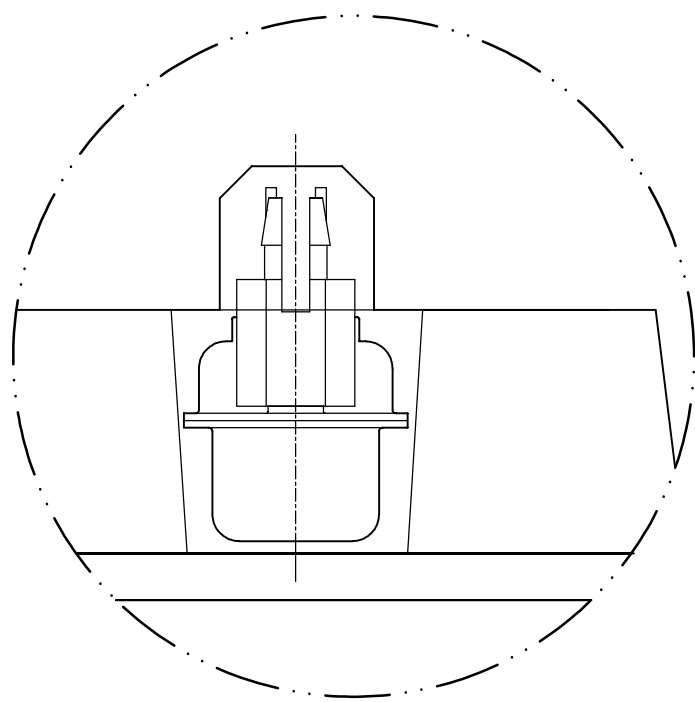
| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |



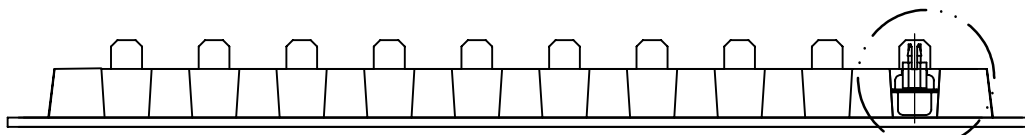
P-DBS13-D43300



P-DBS13-U43300



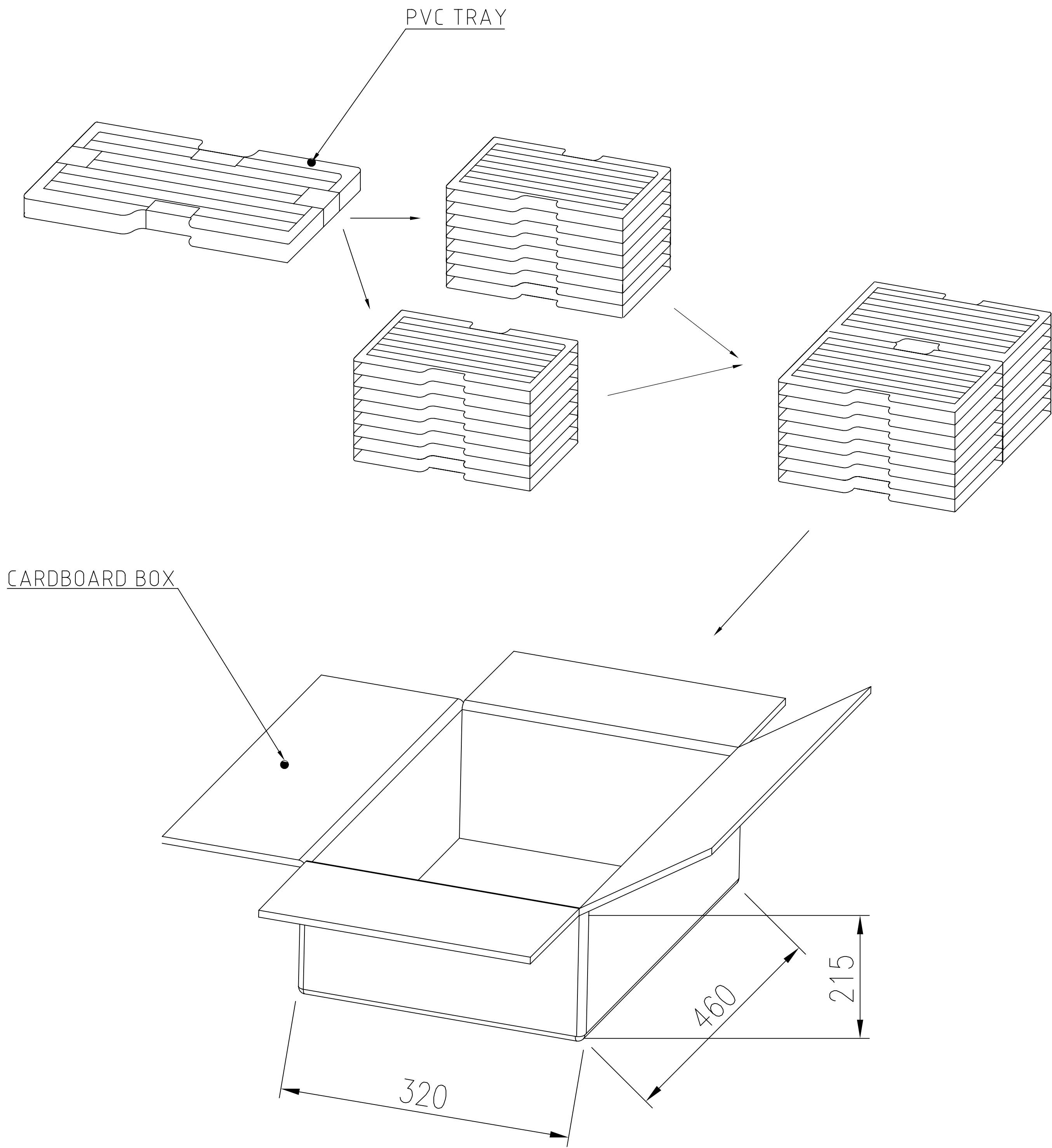
DETAIL A



SEE DETAIL A

|                                                                                       |  |                                                                                       |  |                                |  |                                                                                                            |  |                         |  |                        |  |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|--------------------------------|--|------------------------------------------------------------------------------------------------------------|--|-------------------------|--|------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>AJITH PAI<br>CHK<br>DAN GORENC                                                 |  | 06FEB2017<br>06FEB2017         |  |  TE Connectivity Ltd. |  |                         |  |                        |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES, UNLESS<br>OTHERWISE SPECIFIED:                                            |  | APVD<br>—<br>06FEB2017         |  | NAME<br><br>D-SUB VERTICAL<br>37P PLUG CONNECTOR<br><br>—                                                  |  |                         |  |                        |  |
|  |  | 0 PLC ± —<br>1 PLC ± 0.25<br>2 PLC ± 0.15<br>3 PLC ± 0.10<br>4 PLC ± —<br>ANGLES ± 2° |  | PRODUCT SPEC<br><br>108-130013 |  |                                                                                                            |  |                         |  |                        |  |
|                                                                                       |  | APPLICATION SPEC<br><br>—                                                             |  | SIZE<br>A2                     |  |                                                                                                            |  |                         |  |                        |  |
| MATERIAL<br><br>—                                                                     |  | FINISH<br><br>—                                                                       |  | WEIGHT<br>0                    |  | CAGE CODE<br>00779                                                                                         |  | DRAWING NO<br>C=2301836 |  | RESTRICTED TO<br><br>— |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                       |  |                                |  | SCALE<br>1:1                                                                                               |  | SHEET<br>2 of 3         |  | REV<br>D1              |  |

| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|           | -   | SEE SHEET 1 | -    | -   | -    |



|                                        |  |                                |                                      |                    |            |                  |                 |             |
|----------------------------------------|--|--------------------------------|--------------------------------------|--------------------|------------|------------------|-----------------|-------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>AJITH PAI<br>06FEB2017  | 14.979                               | 12.400             | 40         | 20               | 800             | 2301836-1   |
|                                        |  | CHK<br>DAN GORENC<br>06FEB2017 | GROSS WEIGHT<br>(kg)                 | NET WEIGHT<br>(kg) | PCS/TRAY   | TRAYS<br>/CARTON | QUANTITY<br>Pcs | PART NUMBER |
|                                        |  | APVD<br>-<br>06FEB2017         | NAME                                 |                    |            |                  |                 |             |
|                                        |  | PRODUCT SPEC<br>108-130013     | D-SUB VERTICAL<br>37P PLUG CONNECTOR |                    |            |                  |                 |             |
|                                        |  | APPLICATION SPEC<br>-          | SIZE                                 | CAGE CODE          | DRAWING NO | RESTRICTED TO    |                 |             |
|                                        |  | WEIGHT<br>0                    | A2                                   | 00779              | C=2301836  | -                |                 |             |
|                                        |  | CUSTOMER DRAWING               | SCALE<br>1:1                         | SHEET<br>3 of 3    | REV<br>D1  |                  |                 |             |