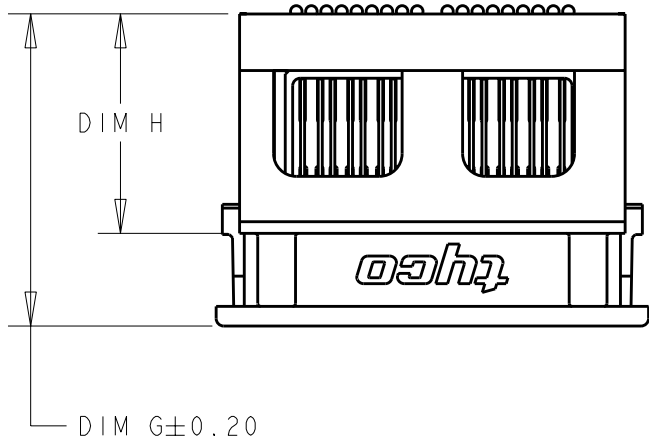
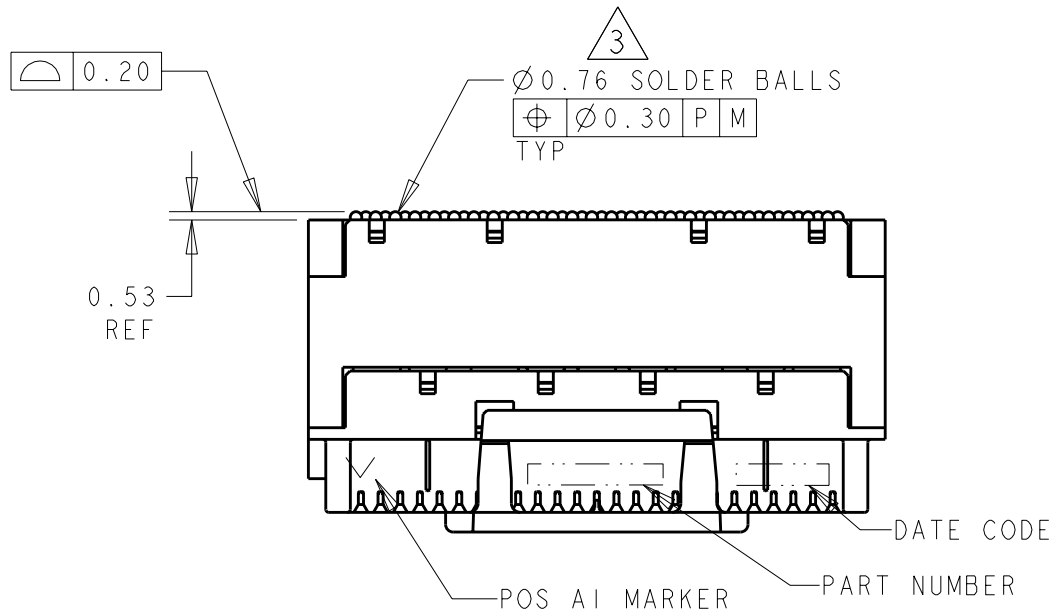
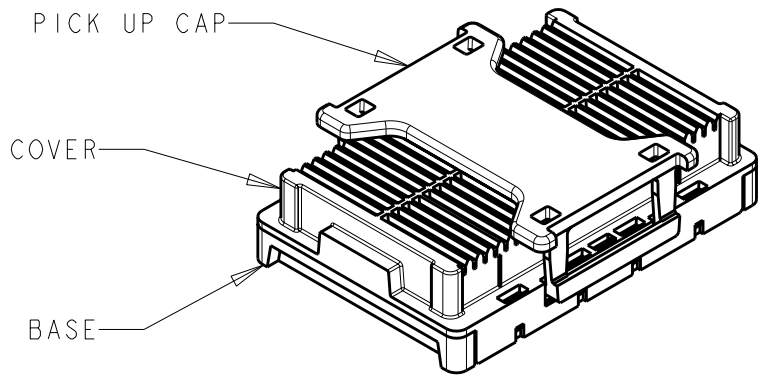
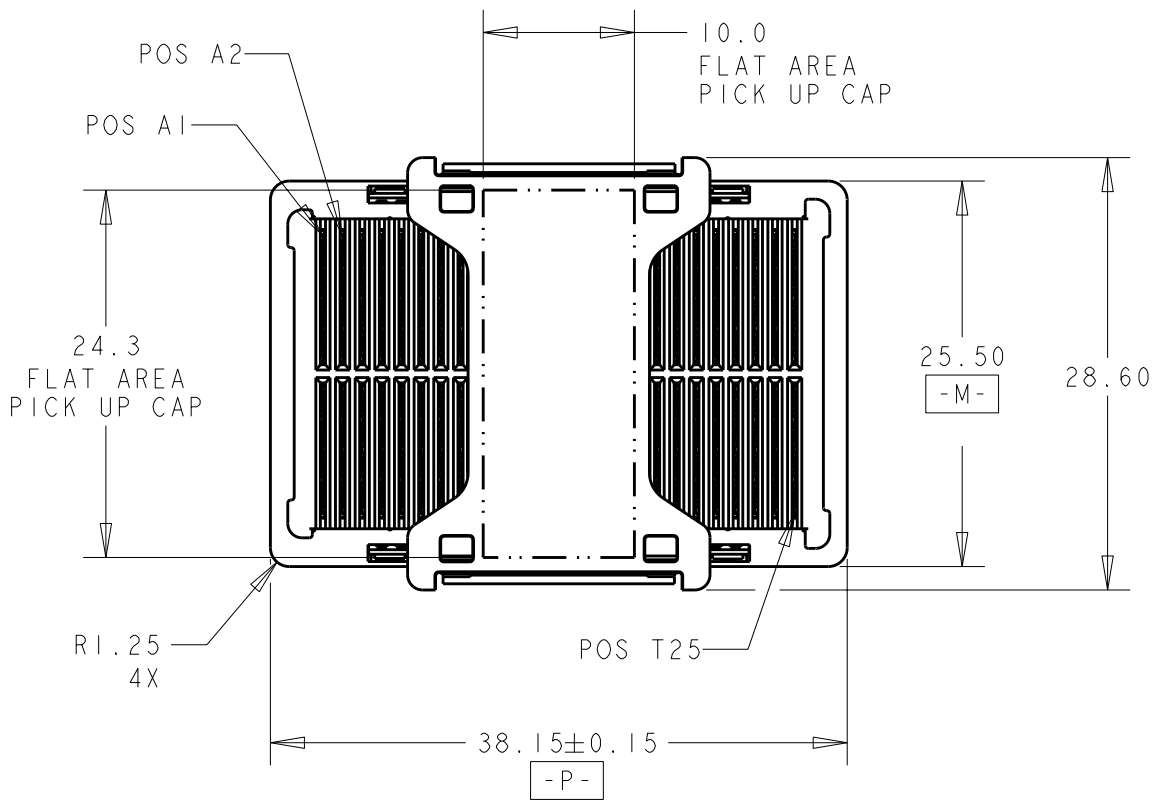


| LOC | DIST | REVISIONS |     |             |           |     |      |
|-----|------|-----------|-----|-------------|-----------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE      | DWN | APVD |
| GP  | 00   |           | A   | RELEASED    | 07NOV2007 | BC  | DD   |
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|     |      |           |     |             |           |     |      |

D



TYPICAL ASSEMBLY  
15mm SHOWN  
SCALE 2:1



ISOMETRIC VIEW  
TYPICAL CONFIGURATION  
FOR 5mm ASSEMBLY  
SCALE 3:2

|                                                                                                                                                                                                |                                                                                 |                               |           |                                                             |                 |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------|-----------|-------------------------------------------------------------|-----------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION<br>IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION<br>SHOULD BE CONTACTED FOR THE LATEST REVISION. |                                                                                 | DWN<br>B. CARBO               | 07NOV2007 | Tyco Electronics<br>Harrisburg, PA 17105-3608               |                 |                    |
|                                                                                                                                                                                                |                                                                                 | CHK<br>D. DIXON               | 07NOV2007 |                                                             |                 |                    |
| DIMENSIONS:<br>mm                                                                                                                                                                              | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                       | APVD<br>D. DIXON              | 07NOV2007 | NAME<br>STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION |                 |                    |
|                                                                                                                                                                                                |                                                                                 | PRODUCT SPEC<br>108-2143      |           |                                                             |                 |                    |
|                                                                                                                                                                                                | 0 PLC ±-<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±0.050<br>4 PLC ±-<br>ANGLES ±2° | APPLICATION SPEC<br>114-13101 |           | SIZE<br>A3                                                  |                 | RESTRICTED TO<br>- |
|                                                                                                                                                                                                |                                                                                 | WEIGHT<br>-                   |           |                                                             |                 |                    |
| MATERIAL<br>                                                                                                                                                                                   | FINISH<br>                                                                      | CUSTOMER DRAWING              |           | SCALE<br>-                                                  | SHEET<br>1 OF 4 | REV<br>A           |

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| GP  | 00   |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |

1 MATERIAL:  
BASE, SPACER, COVER: THERMOPLASTIC  
PICK UP CAP: THERMOPLASTIC  
CONTACT: COPPER ALLOY  
SOLDER BALL: Sn/Pb FOR P/N 1761615-1 THRU 5-1761615-0  
Sn/Ag FOR P/N 5-1761615-1 THRU 9-1761615-9

2 FINISH:  
CONTACT: 0.00076 MIN GOLD OVER 0.00127 MIN NICKEL.  
(30μ" MIN GOLD OVER 50μ" MIN NICKEL)

3 SOLDER BALLS WILL NOT BE PERFECT  
SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.

4 CONTACTS IN ROWS A,C,E,G,J,K,M,P,R, AND T  
ARE SINGLE BEAM CONTACTS,  
TYPICALLY USED AS GROUND PINS.  
(NOTE: CONTACTS IN ROWS J & K ARE TIED  
TOGETHER [COMMONED]).

5 CONTACTS IN ROWS B,D,F,H,L,N,Q, AND S  
ARE DUAL BEAM CONTACTS,  
TYPICALLY USED AS SIGNAL PINS.

6 SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD  
LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE  
OF LAND PATTERN TO FUDICIAL MARKS OR PCB DATUMS  
SHALL BE DEFINED BY CUSTOMER. FOR RECOMMENDED  
PRODUCT APPLICATION AND PCB DESIGN DETAILS, SEE  
APPLICATION SPEC 114-13101.

7 SOLDER PADS UNUSED, MAY BE OMITTED.

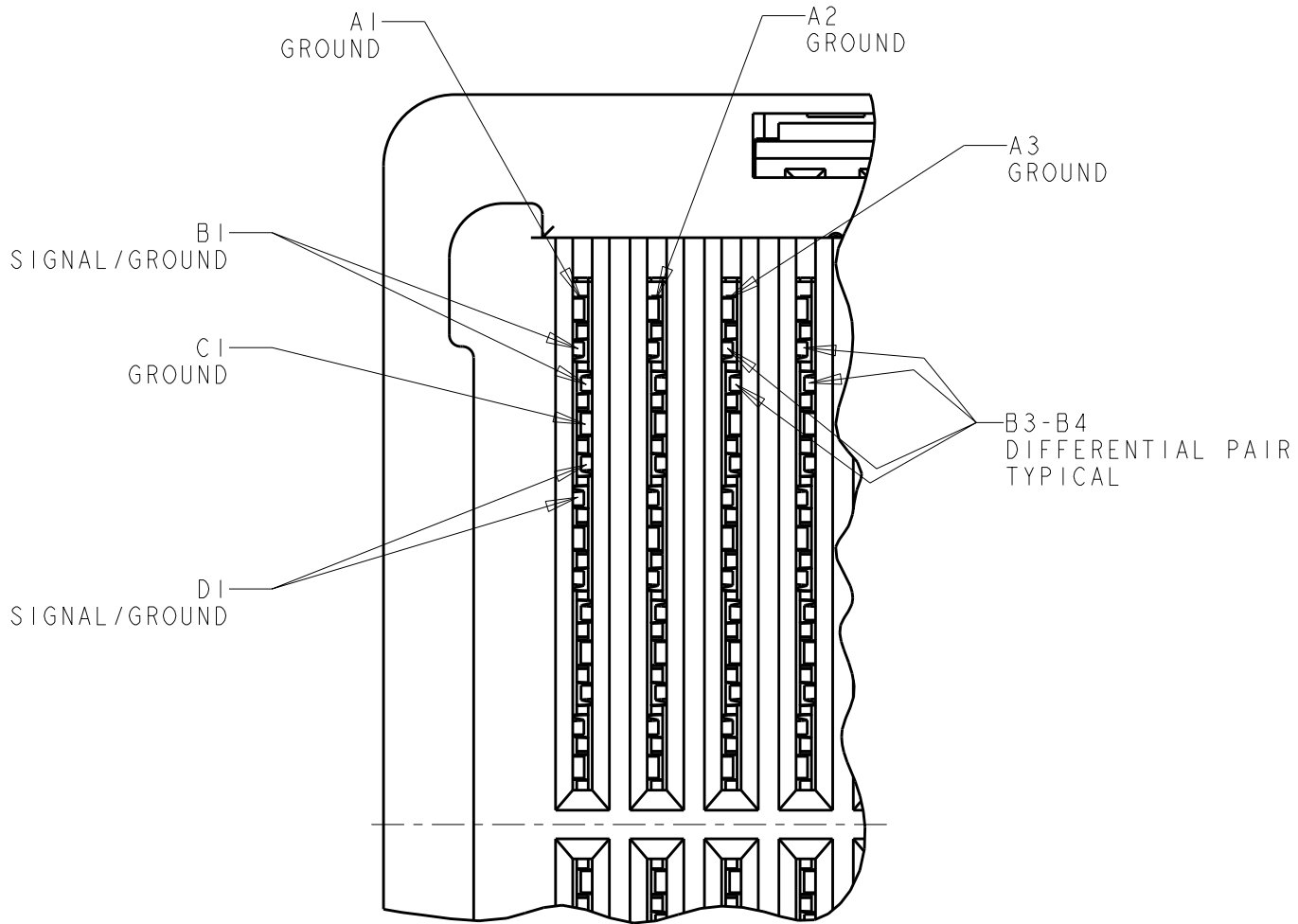
8 REFERENCE BOARD PATTERN FOR DIMENSIONS  
AND DETAILS NOT SHOWN.

9 HARD BLACK PLASTIC JEDEC STYLE TRAY.

10 PACKAGING:  
28 CONNECTORS PER TRAY.  
8 TRAYS PER SHIPPING BOX.  
SOLD ONLY IN BOX QUANTITIES (224).  
AVAILABLE IN SINGLE SOFT CLEAR TRAY  
QUANTITY (25) AS X-1761615-X (SAME DASH NUMBERS).

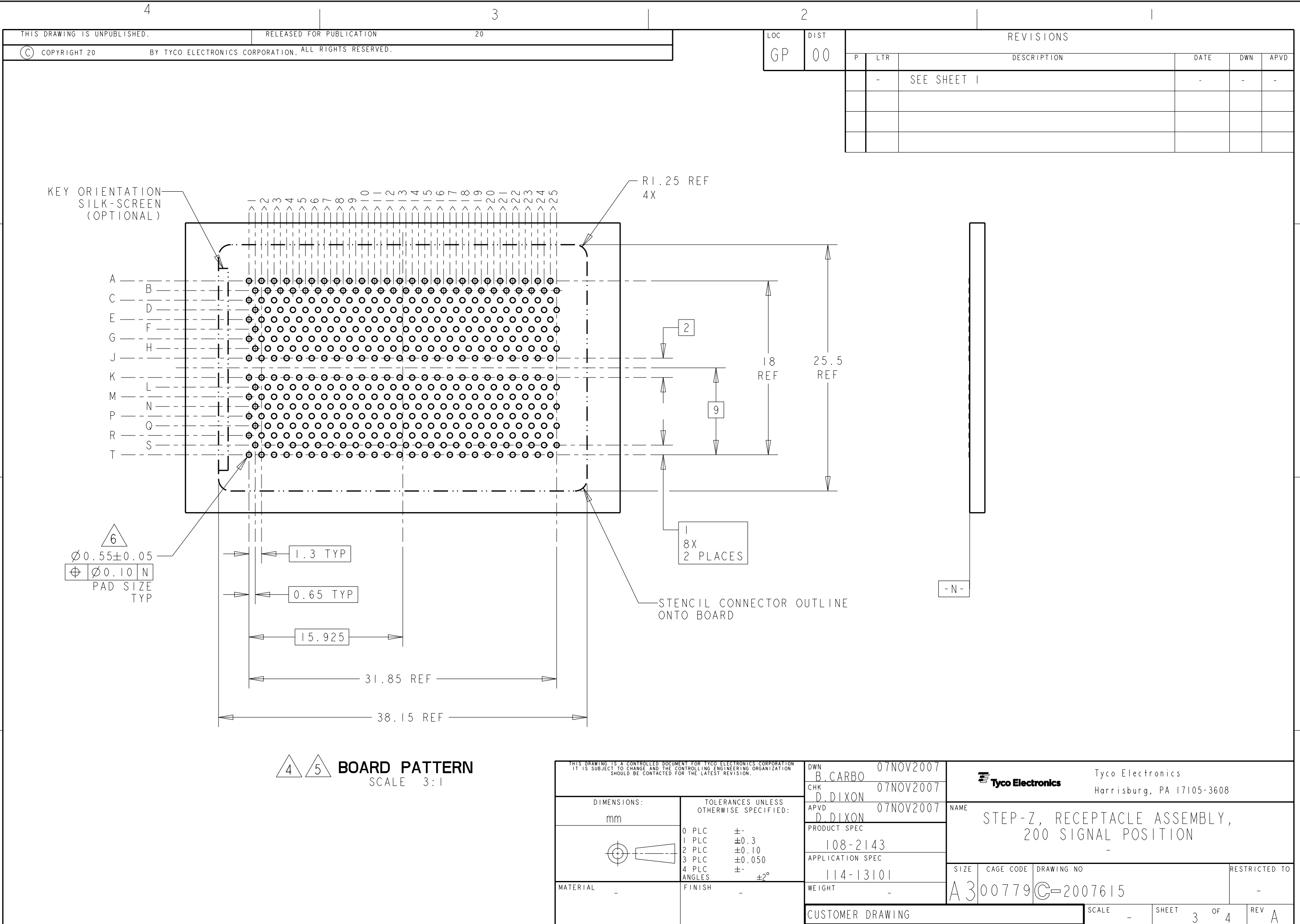
11 ANTISTATIC MATERIAL.

12 CONNECTOR ORIENTATION:  
POSITION A1 IN UPPER RIGHT CORNER.



RECEPTACLE INTERFACE  
SCALE 8:1

|                                                                                                                                                                                                |       |       |       |                               |                                                             |                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------------------------------|-------------------------------------------------------------|-----------------|
|                                                                                                                                                                                                |       |       |       |                               |                                                             |                 |
| BLUE                                                                                                                                                                                           | 11.3  | 4.51  | 10.65 | FULL LOAD-200 POSN            | 5mm Sn/Ag                                                   | 5-2007615-5     |
| BLACK                                                                                                                                                                                          | 11.3  | 4.51  | 10.65 | FULL LOAD-200 POSN            | 5mm Sn/Pb                                                   | 2007615-5       |
| TRAY<br>COLOR                                                                                                                                                                                  | DIM T | DIM H | DIM G | LOAD STYLE                    | DESCRIPTION                                                 | PART NUMBER     |
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| <div>DIMENSIONS:<br/>mm</div> <div></div>                                                                                                                                                      |       |       |       | CHK<br>D. DIXON 07NOV2007     |                                                             |                 |
|                                                                                                                                                                                                |       |       |       | APVD<br>D. DIXON 07NOV2007    |                                                             |                 |
| <div>TOLERANCES UNLESS<br/>OTHERWISE SPECIFIED:</div> <div>0 PLC ±<br/>1 PLC ±0.3<br/>2 PLC ±0.10<br/>3 PLC ±0.050<br/>4 PLC ±<br/>ANGLES ±2°</div>                                            |       |       |       | PRODUCT SPEC<br>108-2143      | NAME<br>STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION |                 |
|                                                                                                                                                                                                |       |       |       | APPLICATION SPEC<br>114-13101 |                                                             |                 |
| MATERIAL -                                                                                                                                                                                     |       |       |       | WEIGHT -                      | SIZE A3                                                     | CAGE CODE 00779 |
| FINISH -                                                                                                                                                                                       |       |       |       | CUSTOMER DRAWING              | DRAWING NO C-2007615                                        | RESTRICTED TO - |
| SCALE -                                                                                                                                                                                        |       |       |       |                               | SHEET 2 OF 4                                                | REV A           |



|     |      |           |     |             |      |     |      |
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| LOC | DIST | REVISIONS |     |             |      |     |      |
| GP  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
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D

D

C

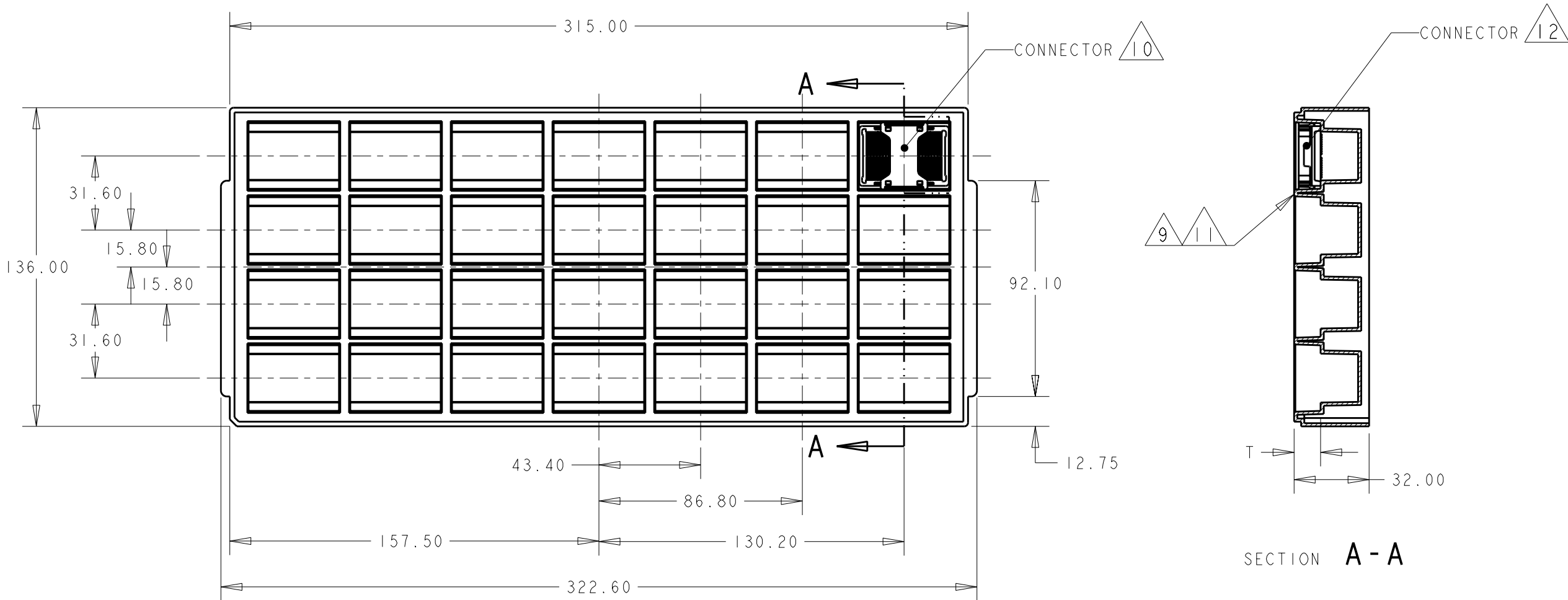
C

B

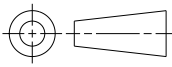
B

A

A



SCALE 1:2

|                                                                                                                                                                                                |                                                                                                                               |                                   |  |                                                                                                                                                         |           |            |               |            |            |         |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|---------------|------------|------------|---------|----------|
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|                                                                                                                                                                                                |                                                                                                                               | CHK<br>D. DIXON<br>07NOV2007      |  |                                                                                                                                                         |           |            |               |            |            |         |          |
| DIMENSIONS:<br>mm                                                                                                                                                                              | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><br>0 PLC ±.3<br>1 PLC ±0.10<br>2 PLC ±0.050<br>3 PLC ±.3<br>4 PLC ±2°<br>ANGLES | APVD<br>D. DIXON<br>07NOV2007     |  | NAME<br><br>STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION<br>-                                                                                    |           |            |               |            |            |         |          |
|                                                                                                                                                                                                |                                                                                                                               | PRODUCT SPEC<br><br>108-2143      |  |                                                                                                                                                         |           |            |               |            |            |         |          |
|                                                                                                           |                                                                                                                               | APPLICATION SPEC<br><br>114-13101 |  | SIZE                                                                                                                                                    | CAGE CODE | DRAWING NO | RESTRICTED TO |            |            |         |          |
|                                                                                                                                                                                                |                                                                                                                               | WEIGHT<br>-                       |  | A3                                                                                                                                                      | 00779     | C-2007615  | -             |            |            |         |          |
| MATERIAL<br>-                                                                                                                                                                                  |                                                                                                                               | FINISH<br>-                       |  | CUSTOMER DRAWING                                                                                                                                        |           |            |               | SCALE<br>- | SHEET<br>4 | OF<br>4 | REV<br>A |