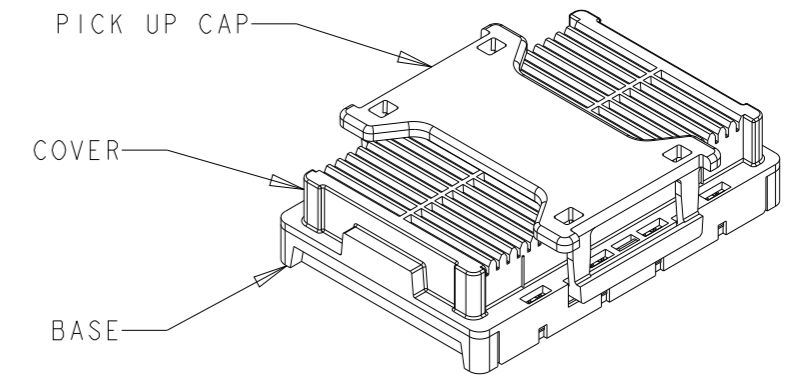
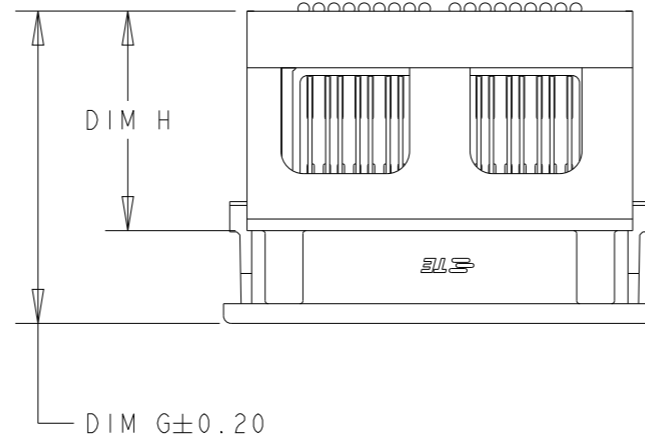
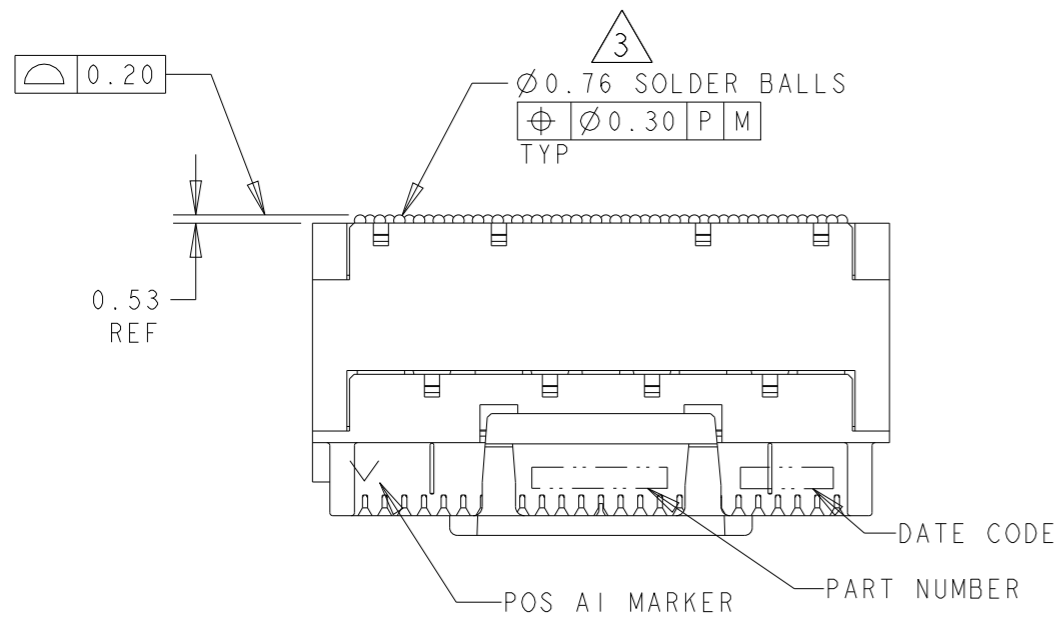
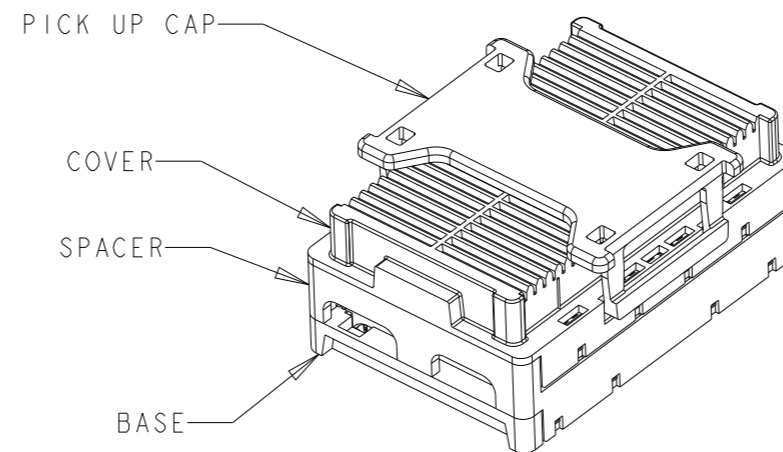
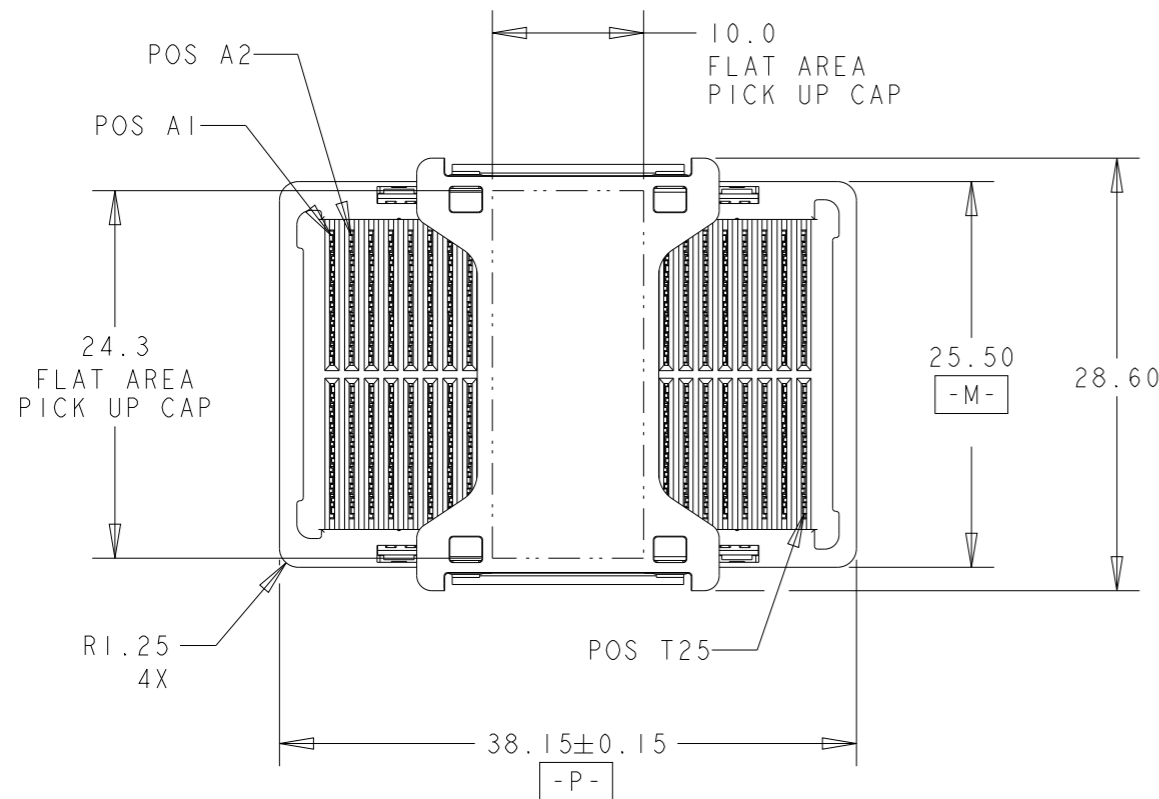


| P  | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|----|-----|---------------------------|-----------|-----|------|
| A6 |     | REVISED PER ECO-20-017117 | 26APR2021 | AP  | RW   |
| A7 |     | REVISED PER ECN-22-160121 | 04JAN2023 | NV  | HL   |

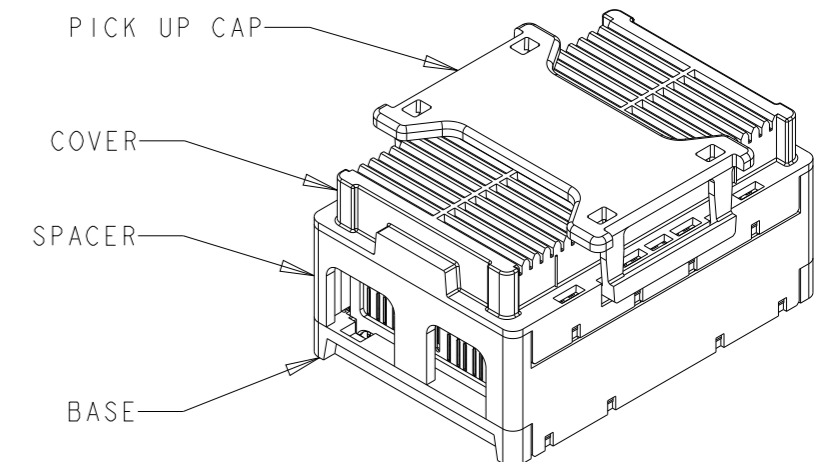


ISOMETRIC VIEW  
TYPICAL CONFIGURATION  
FOR 5mm ASSEMBLY  
SCALE 3:2

TYPICAL ASSEMBLY  
15mm SHOWN  
SCALE 2:1



ISOMETRIC VIEW  
TYPICAL CONFIGURATION  
FOR 11mm ASSEMBLY  
SCALE 3:2



ISOMETRIC VIEW  
TYPICAL CONFIGURATION  
FOR 15mm ASSEMBLY  
SCALE 3:2

|   |  |                               |   |                         |
|---|--|-------------------------------|---|-------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>P BRANDBERG<br>21DEC04 | TE Connectivity   |                         |
| DIMENSIONS:<br>mm   |  | CHK<br>D WERTZ<br>05JAN05     |   |                         |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:  |  | APVD<br>D WERTZ<br>05JAN05    | NAME<br>STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION |                         |
| 0 PLC ±-<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±0.050<br>4 PLC ±-<br>ANGLES ±2° |  | PRODUCT SPEC<br>108-2143      | SIZE<br>A3  |                         |
| MATERIAL<br>1   |  | APPLICATION SPEC<br>114-13101 | CAGE CODE<br>00779  | DRAWING NO<br>G-1761615 |
| FINISH<br>2   |  | WEIGHT<br>-                   | RESTRICTED TO   |                         |
|   |  | CUSTOMER DRAWING              | SCALE<br>2:1  | SHEET<br>1 OF 6         |
|   |  |                               | REV<br>A7   |                         |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
|   | -   | 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.


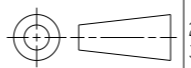
6 SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD  
 LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE  
 OF LAND PATTERN TO FUDICIAL MARKS OR PCB DATUMS  
 SHALL BE DEFINED BY CUSTOMER. FOR RECOMMENDED  
 PRODUCT APPLICATION AND PCB DESIGN DETAILS, SEE  
 APPLICATION SPEC 114-13101.

7 SOLDER PADS UNUSED, MAY BE OMITTED.

8 REFERENCE BOARD PATTERN FOR DIMENSIONS  
 AND DETAILS NOT SHOWN.

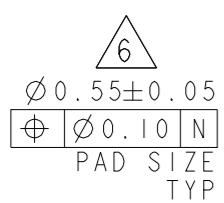
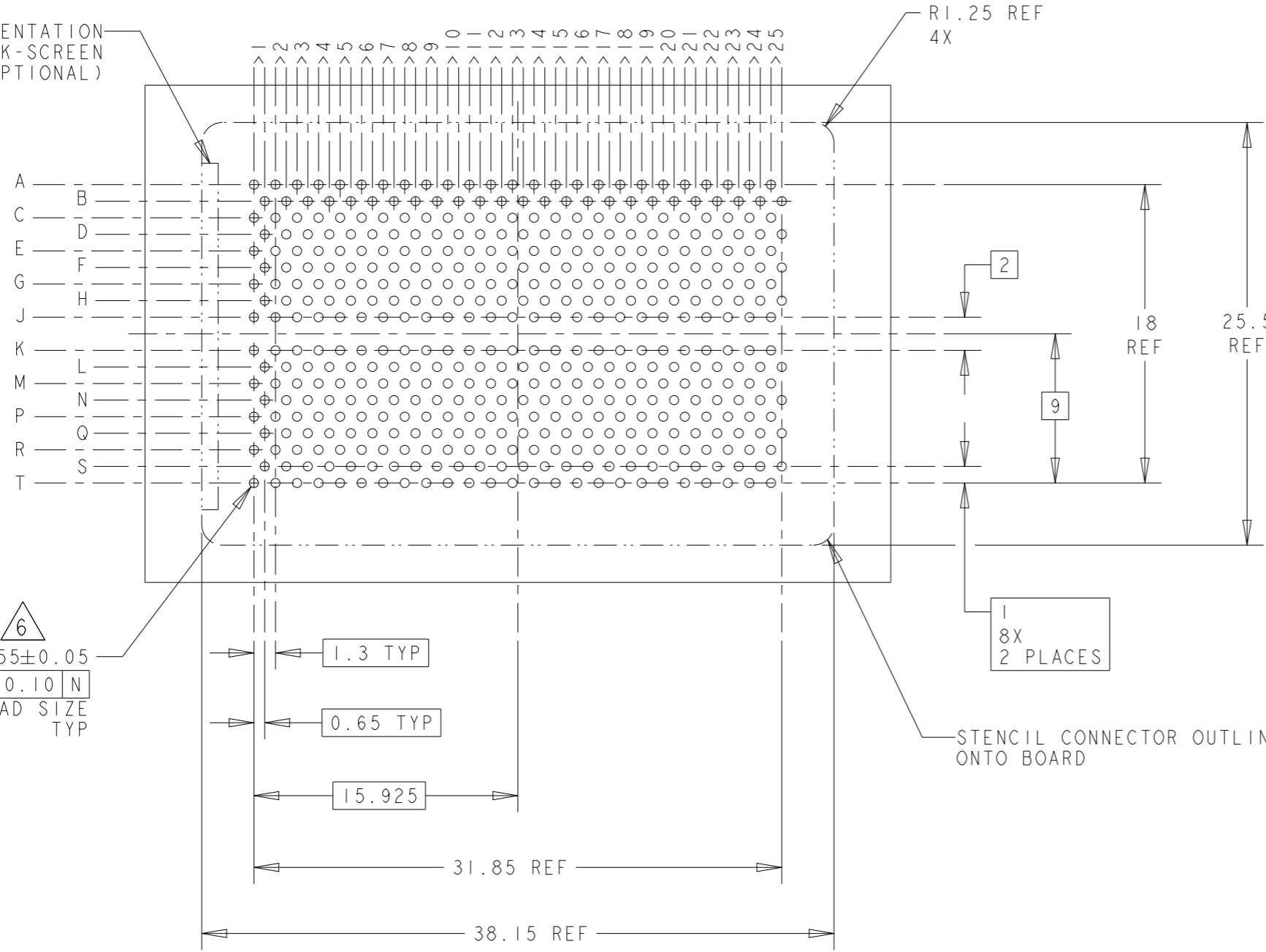
|       |       |                                  |             |                        |
|-------|-------|----------------------------------|-------------|------------------------|
|       |       |                                  |             |                        |
| 14.51 | 20.65 | SELECT LOAD-112 POSN-SEE VIEW 35 | 15mm Sn/Ag  | 8-1761615-5            |
| 14.51 | 20.65 | SELECT LOAD-104 POSN-SEE VIEW 32 | 15mm Sn/Ag  | 8-1761615-2            |
| 4.51  | 10.65 | SELECT LOAD-104 POSN-SEE VIEW 31 | 5mm Sn/Ag   | 8-1761615-1            |
| 14.51 | 20.65 | FULL LOAD-200 POSN               | 15mm Sn/Ag  | 6-1761615-5            |
| 10.51 | 16.65 | FULL LOAD-200 POSN               | 11mm Sn/Ag  | 6-1761615-1            |
| 4.51  | 10.65 | FULL LOAD-200 POSN               | 5mm Sn/Ag   | 5-1761615-5            |
|       |       |                                  |             |                        |
| 14.51 | 20.65 | SELECT LOAD-120 POSN-SEE VIEW 33 | 15mm Sn/Pb  | <del>3-1761615-3</del> |
| 14.51 | 20.65 | SELECT LOAD-104 POSN-SEE VIEW 32 | 15mm Sn/Pb  | <del>3-1761615-2</del> |
| 4.51  | 10.65 | SELECT LOAD-104 POSN-SEE VIEW 31 | 5mm Sn/Pb   | <del>3-1761615-1</del> |
| 14.51 | 20.65 | FULL LOAD-200 POSN               | 15mm Sn/Pb  | <del>1-1761615-5</del> |
| 10.51 | 16.65 | FULL LOAD-200 POSN               | 11mm Sn/Pb  | <del>1-1761615-1</del> |
| 4.51  | 10.65 | FULL LOAD-200 POSN               | 5mm Sn/Pb   | <del>1-1761615-5</del> |
| DIM H | DIM G | LOAD STYLE                       | DESCRIPTION | PART NUMBER            |

OBSOLETE

|   |  |                               |   |                    |
|---|--|-------------------------------|---|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>P BRANDBERG<br>21DEC04 |  TE Connectivity |                    |
| DIMENSIONS:<br>mm   |  | CHK<br>D WERTZ<br>05JAN05     |   |                    |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:  |  | APVD<br>D WERTZ<br>05JAN05    | NAME<br>STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION   |                    |
|  |  | PRODUCT SPEC<br>108-2143      | RESTRICTED TO   |                    |
| 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  | CAGE CODE<br>00779 |
| MATERIAL  |  | WEIGHT<br>-                   | DRAWING NO<br>1761615   |                    |
|   |  | CUSTOMER DRAWING              | SCALE<br>1:1  | SHEET<br>2 OF 6    |
|   |  |                               |   | REV<br>A7          |

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

KEY ORIENTATION  
SILK-SCREEN  
(OPTIONAL)



**BOARD PATTERN**  
SCALE 3:1

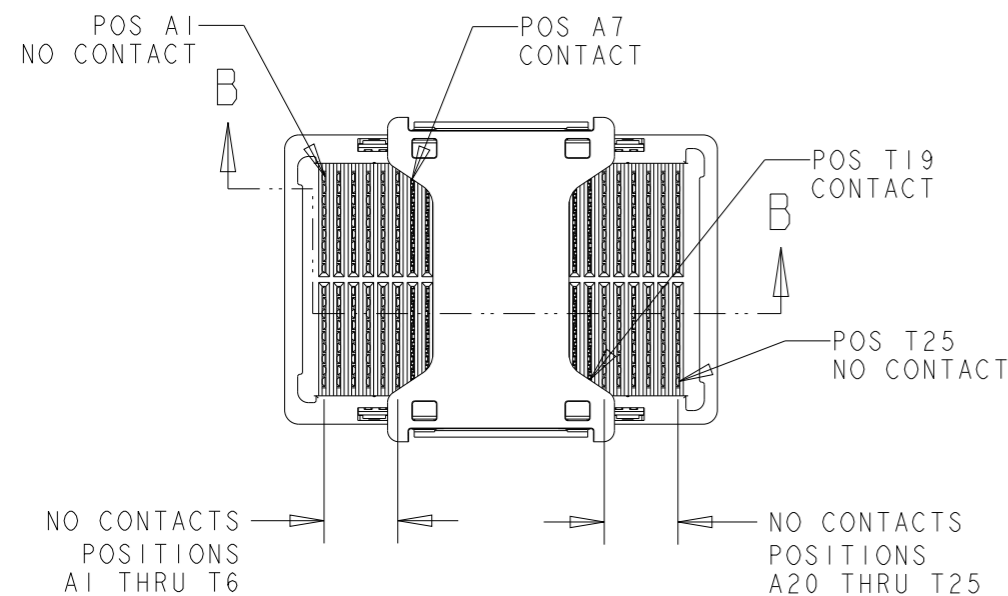
THIS DRAWING IS A CONTROLLED DOCUMENT.

| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED: |
|-------------|--|
| mm          |  |
|             | 0 PLC ±-                               |
|             | 1 PLC ±0.3                             |
|             | 2 PLC ±0.10                            |
|             | 3 PLC ±0.050                           |
|             | 4 PLC ±-                               |
|             | ANGLES ±2°                             |
| MATERIAL    | FINISH                                 |

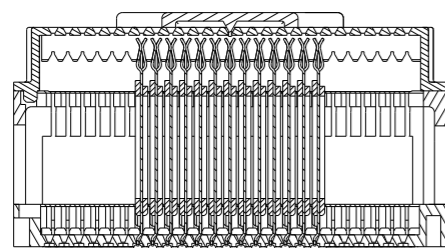
|                  |             |         |
|------------------|-------------|---------|
| DWN              | P BRANDBERG | 21DEC04 |
| CHK              | D WERTZ     | 05JAN05 |
| APVD             | D WERTZ     | 05JAN05 |
| PRODUCT SPEC     | 108-2143    |         |
| APPLICATION SPEC | 114-13101   |         |
| WEIGHT           | -           |         |

|                 |           |   |               |
|-----------------|-----------|---|---------------|
| TE Connectivity |           | NAME  |               |
|                 |           | STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION |               |
| SIZE            | CAGE CODE | DRAWING NO  | RESTRICTED TO |
| A3              | 00779     | C-1761615   |               |

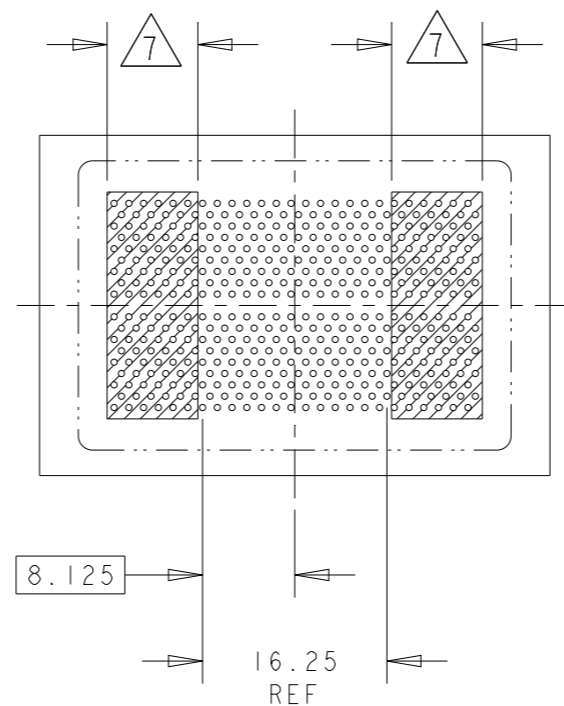
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
| - | -   | SEE SHEET 1 | -    | -   | -    |
|   |     |             |      |     |      |
|   |     |             |      |     |      |



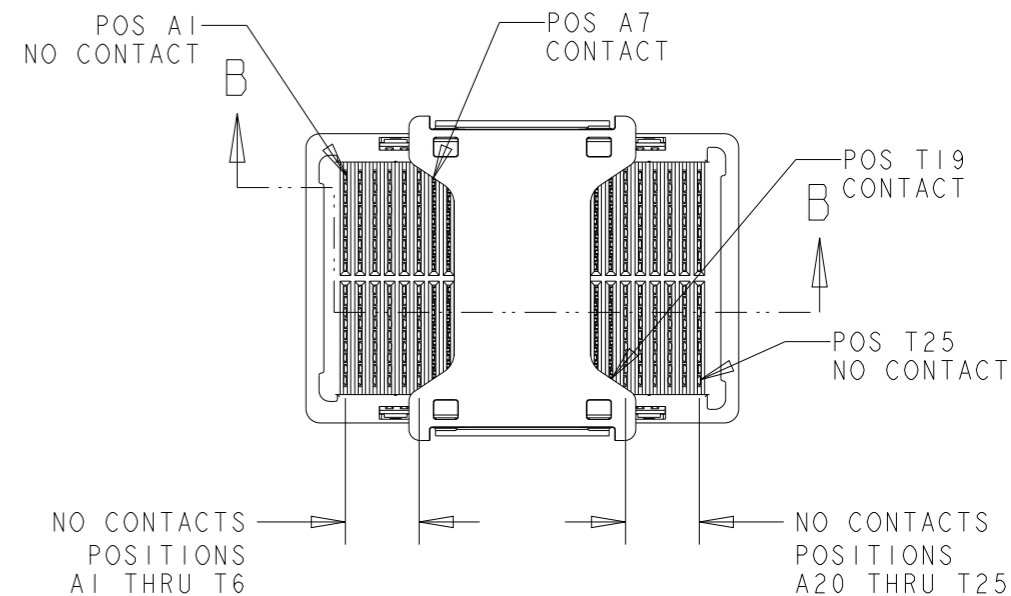
VIEW 32  
SELECT LOAD 15mm 104 POSITION  
SCALE 3:2



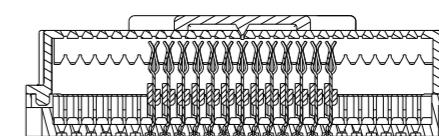
SECTION B-B



VIEW 31 & VIEW 32  
SELECT LOAD 104 POSITION  
BOARD PATTERN  
SCALE 3:2



VIEW 31  
SELECT LOAD 5mm 104 POSITION  
SCALE 3:2



SECTION B-B

THIS DRAWING IS A CONTROLLED DOCUMENT.

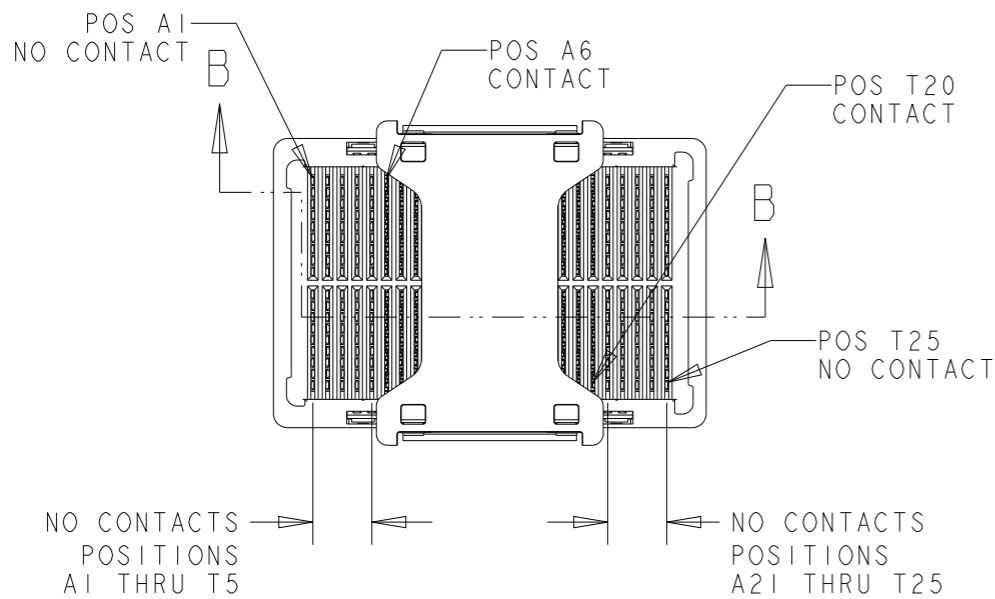
|                   |  |
|-------------------|--|
| DIMENSIONS:<br>mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: |
|                   | 0 PLC ±-                               |
|                   | 1 PLC ±0.3                             |
|                   | 2 PLC ±0.10                            |
|                   | 3 PLC ±0.050                           |
|                   | 4 PLC ±-                               |
|                   | ANGLES ±2°                             |
| MATERIAL          | FINISH                                 |

|                    |           |
|--------------------|-----------|
| DWN<br>P BRANDBERG | 21DEC04   |
| CHK<br>D WERTZ     | 05JAN05   |
| APVD<br>D WERTZ    | 05JAN05   |
| PRODUCT SPEC       | 108-2143  |
| APPLICATION SPEC   | 114-13101 |
| WEIGHT             | -         |

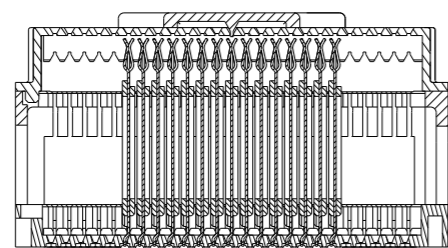


NAME  
STEP-Z, RECEPTACLE ASSEMBLY,  
200 SIGNAL POSITION

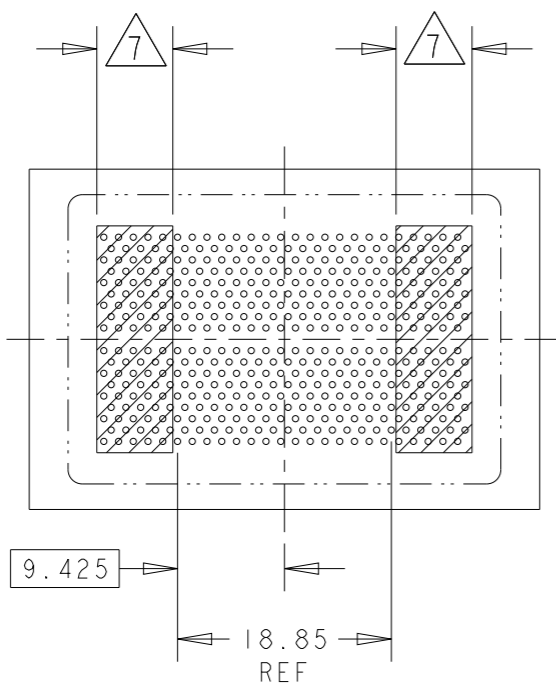
|                  |                    |                         |                 |
|------------------|--------------------|-------------------------|-----------------|
| SIZE<br>A3       | CAGE CODE<br>00779 | DRAWING NO<br>C-1761615 | RESTRICTED TO   |
| CUSTOMER DRAWING |                    | SCALE<br>1:1            | SHEET<br>4 OF 6 |
|                  |                    | REV<br>A7               |                 |



VIEW 33  
SELECT LOAD 15mm 120 POSITION  
SCALE 3:2



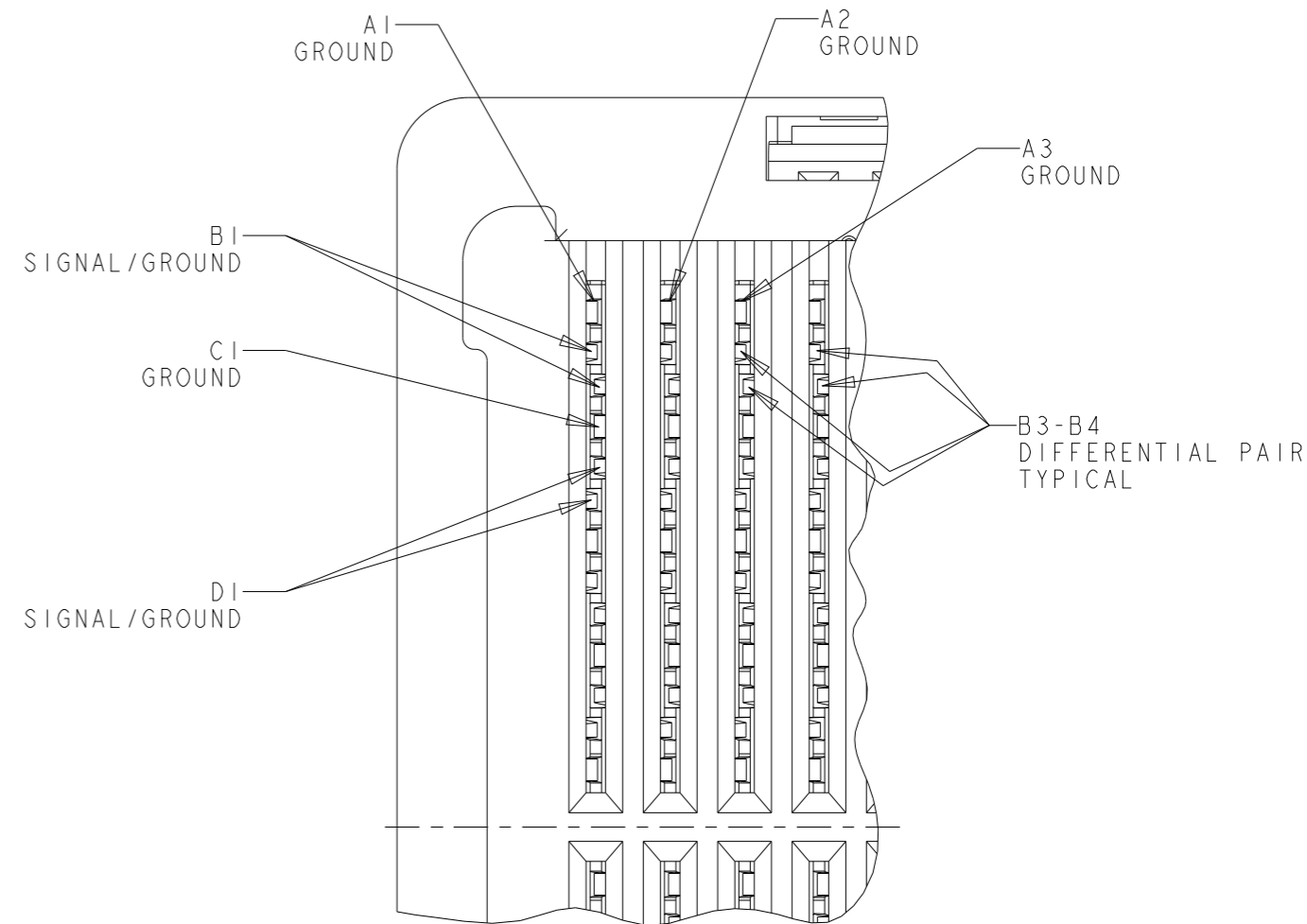
SECTION B-B



VIEW 33  
SELECT LOAD 120 POSITION  
BOARD PATTERN  
SCALE 3:2



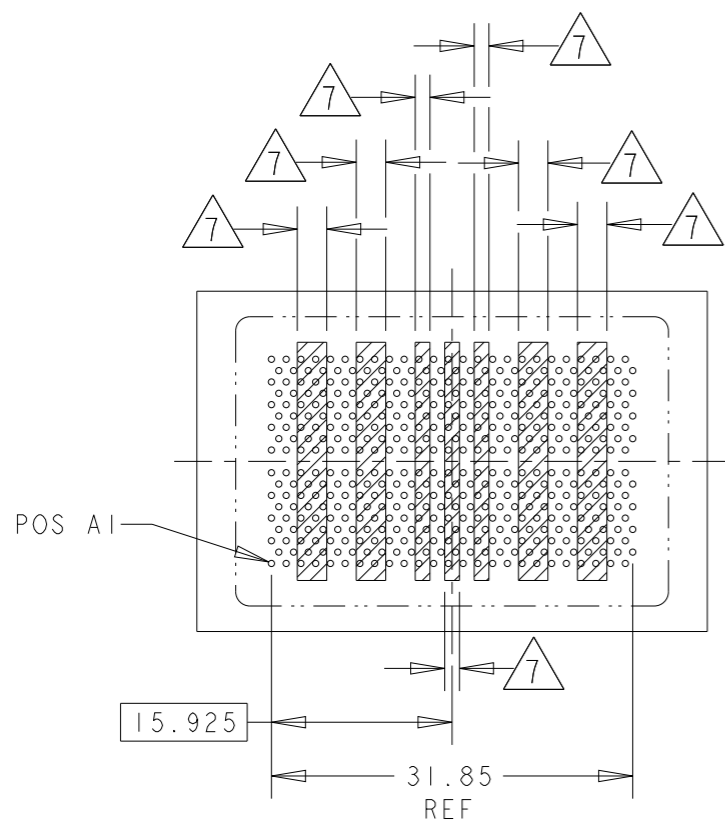
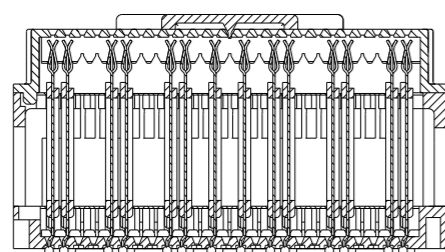
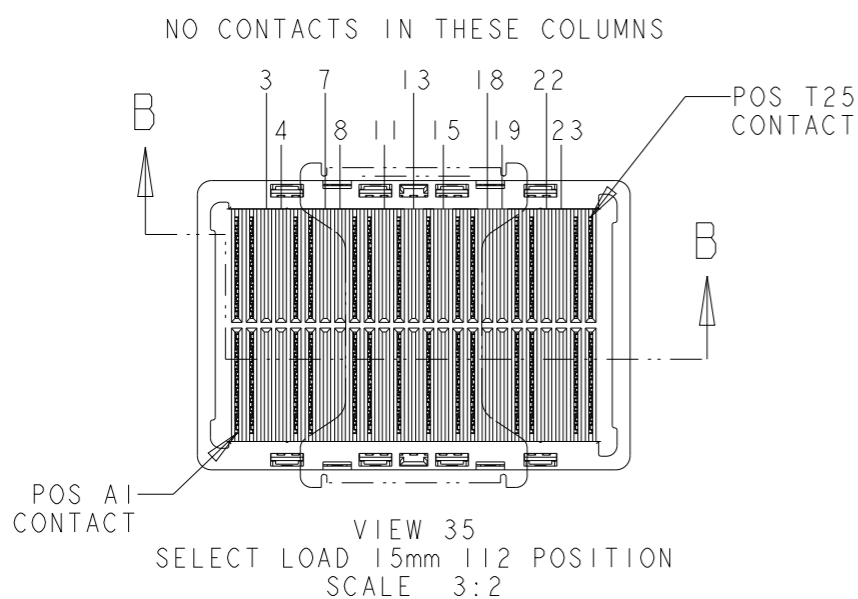
| REVISIONS |     |             |      |     |      |
|-----------|-----|-------------|------|-----|------|
| P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| -         | -   | SEE SHEET 1 | -    | -   | -    |
|           |     |             |      |     |      |
|           |     |           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



RECEPTACLE INTERFACE  
SCALE 8:1

|  |  |                               |   |  |  |
|--|--|-------------------------------|---|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>P BRANDBERG<br>21DEC04 |   |  |  |
| DIMENSIONS:<br>mm                      |  | CHK<br>D WERTZ<br>05JAN05     |   |  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD<br>D WERTZ<br>05JAN05    | NAME<br>STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION |  |  |
| 0 PLC ±-                               |  | PRODUCT SPEC<br>108-2143      | SIZE  |  |  |
| 1 PLC ±0.3                             |  | APPLICATION SPEC<br>114-13101 | CAGE CODE   |  |  |
| 2 PLC ±0.10                            |  | WEIGHT<br>-                   | DRAWING NO<br>A300779                                       |  |  |
| 3 PLC ±0.050                           |  | MATERIAL                      | RESTRICTED TO   |  |  |
| 4 PLC ±-                               |  |                               | SCALE 1:1   |  |  |
| ANGLES ±2°                             |  | SHEET 5 OF 6                  |   |  |  |
| FINISH                                 |  | REV A7                        |   |  |  |
| CUSTOMER DRAWING                       |  | SCALE 1:1 SHEET 5 OF 6 REV A7 |   |  |  |

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



|   |  |                               |   |                    |                         |
|---|--|-------------------------------|---|--------------------|-------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>P BRANDBERG<br>21DEC04 |   |                    |                         |
| DIMENSIONS:<br>mm   |  | CHK<br>D WERTZ<br>05JAN05     |   |                    |                         |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:  |  | APVD<br>D WERTZ<br>05JAN05    | NAME<br>STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION |                    |                         |
| <ul style="list-style-type: none"> <li>0 PLC ±-</li> <li>1 PLC ±0.3</li> <li>2 PLC ±0.10</li> <li>3 PLC ±0.050</li> <li>4 PLC ±-</li> <li>ANGLES ±2°</li> </ul> |  | PRODUCT SPEC<br>108-2143      | RESTRICTED TO   |                    |                         |
| MATERIAL  |  | APPLICATION SPEC<br>114-13101 | SIZE<br>A3  | CAGE CODE<br>00779 | DRAWING NO<br>C-1761615 |
| FINISH  |  | WEIGHT<br>-                   | SCALE<br>2:1  |                    | SHEET<br>6 OF 6         |
|   |  | CUSTOMER DRAWING              | REV<br>A7   |                    |                         |