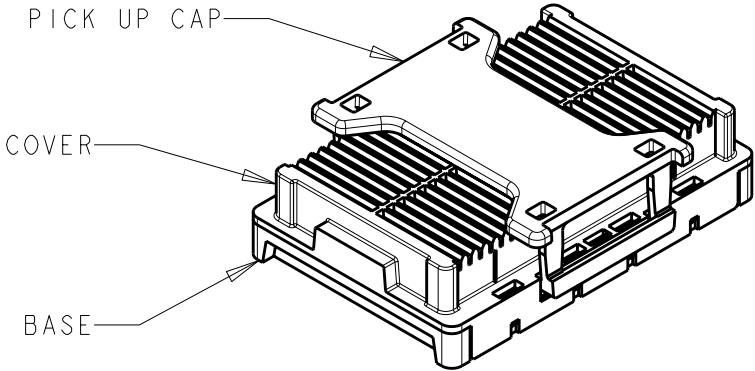
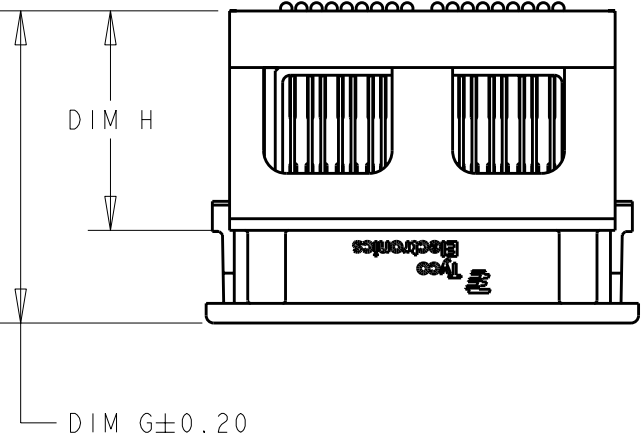
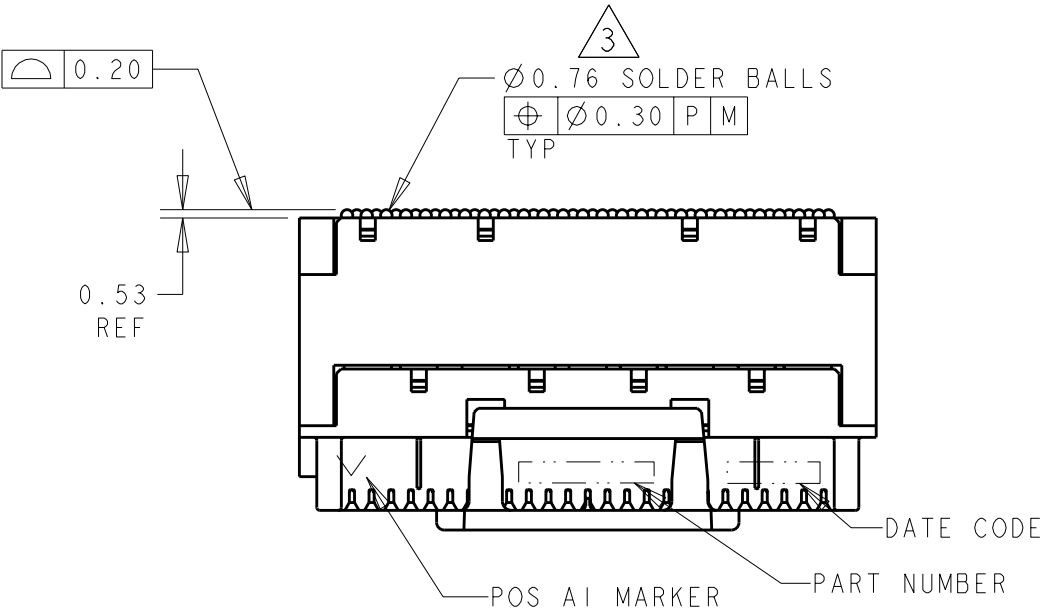
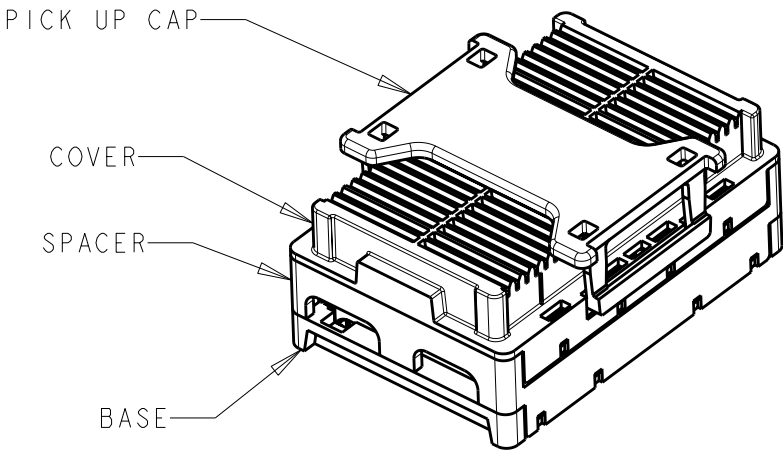
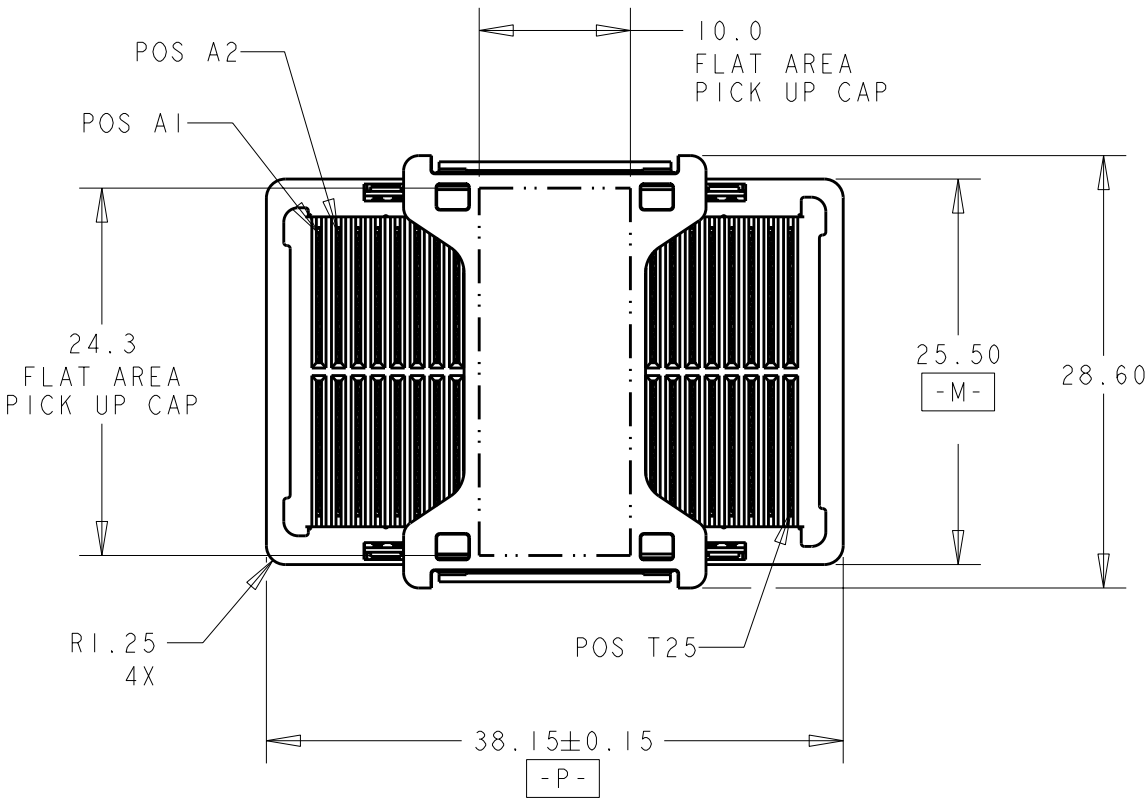


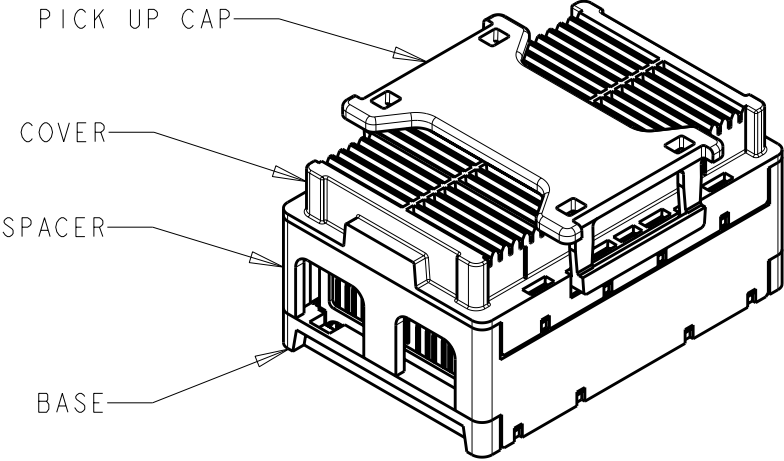
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|     |      | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
| GP  | 00   |           | A5  | REVISED PER ECO-11-005027 | 16MAR2011 | RK  | HMR  |
|     |      |           |     |                           |           |     |      |
|     |      |           |     |                           |           |     |      |
|     |      |           |     |                           |           |     |      |



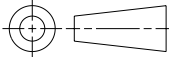
ISOMETRIC VIEW  
TYPICAL CONFIGURATION  
FOR 5mm ASSEMBLY  
SCALE 3:2



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>CHK<br>D WERTZ<br>APVD<br>D WERTZ                                         |  | 21DEC04<br>05JAN05<br>05JAN05 |  |  TE Connectivity |  |                    |  |                         |  |                    |  |
| DIMENSIONS:<br>mm                                                                                 |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                       |  | PRODUCT SPEC                  |  | NAME                                                                                                  |  |                    |  |                         |  |                    |  |
|              |  | 0 PLC ±<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±0.050<br>4 PLC ±<br>ANGLES ±2°                   |  | 108-2143                      |  | STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION                                                   |  |                    |  |                         |  |                    |  |
| MATERIAL<br> |  | FINISH<br> |  | APPLICATION SPEC<br>114-13101 |  | SIZE<br>A3                                                                                            |  | CAGE CODE<br>00779 |  | DRAWING NO<br>C-1761615 |  | RESTRICTED TO<br>- |  |
| WEIGHT<br>-                                                                                       |  |                                                                                                 |  |                               |  | CUSTOMER DRAWING                                                                                      |  |                    |  |                         |  |                    |  |
|                                                                                                   |  |                                                                                                 |  |                               |  | SCALE<br>-                                                                                            |  | SHEET<br>1         |  | OF<br>6                 |  | REV<br>A5          |  |

| 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.

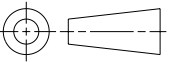
7 SOLDER PADS UNUSED, MAY BE OMITTED.

8 REFERENCE BOARD PATTERN FOR DIMENSIONS  
AND DETAILS NOT SHOWN.

|       |       |                                  |             |             |
|-------|-------|----------------------------------|-------------|-------------|
|       |       |                                  |             |             |
| 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  | 3-1761615-3 |
| 14.51 | 20.65 | SELECT LOAD-104 POSN-SEE VIEW 32 | 15mm Sn/Pb  | 3-1761615-2 |
| 4.51  | 10.65 | SELECT LOAD-104 POSN-SEE VIEW 31 | 5mm Sn/Pb   | 3-1761615-1 |
| 14.51 | 20.65 | FULL LOAD-200 POSN               | 15mm Sn/Pb  | 1-1761615-5 |
| 10.51 | 16.65 | FULL LOAD-200 POSN               | 11mm Sn/Pb  | 1-1761615-1 |
| 4.51  | 10.65 | FULL LOAD-200 POSN               | 5mm Sn/Pb   | 1761615-5   |
| DIM H | DIM G | LOAD STYLE                       | DESCRIPTION | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
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 P BRANDBERG 21DEC04  
CHK D WERTZ 05JAN05  
APVD D WERTZ 05JAN05

PRODUCT SPEC 108-2143  
APPLICATION SPEC 114-13101  
WEIGHT -

CUSTOMER DRAWING

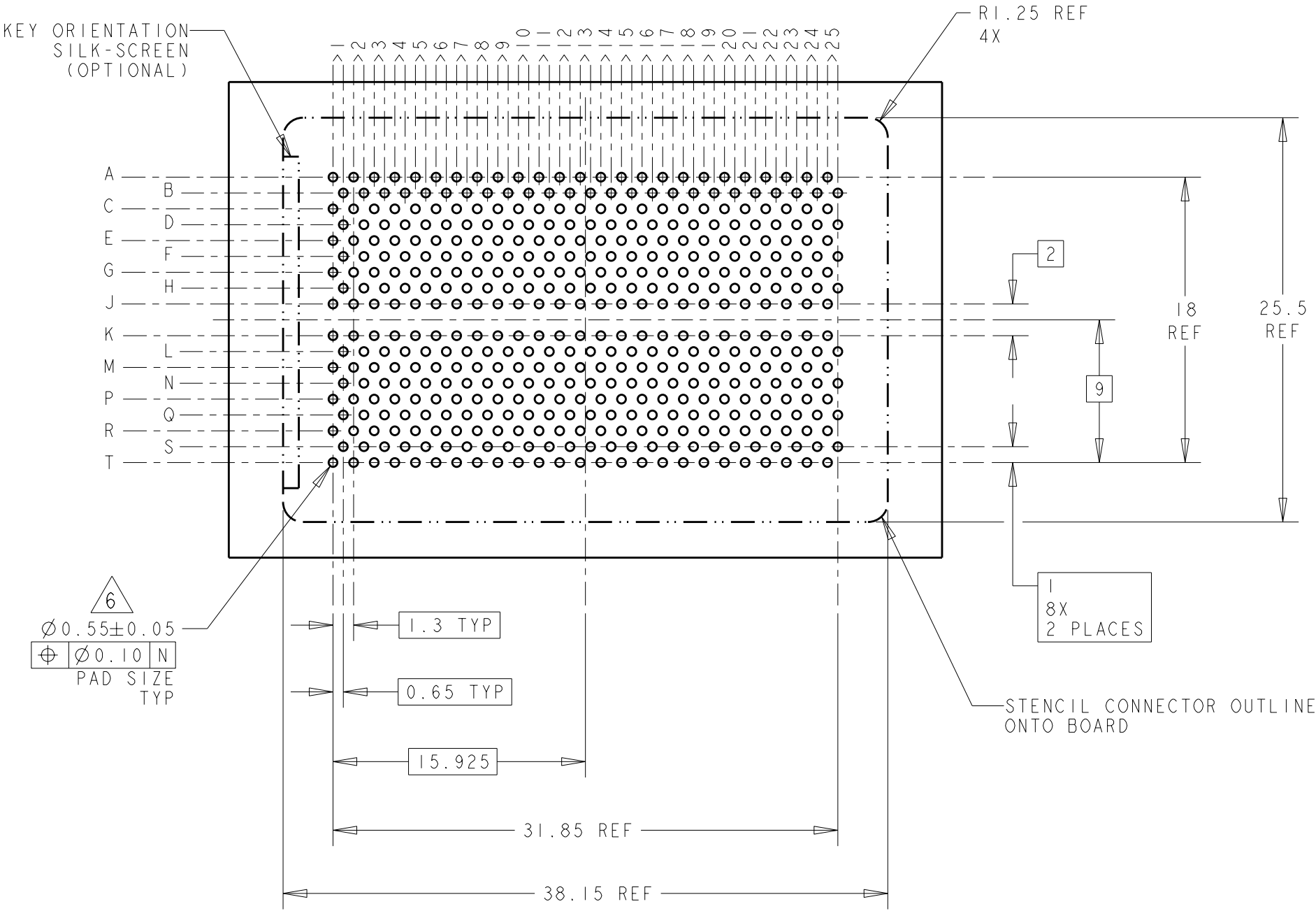
TE Connectivity

STEP-Z, RECEPTACLE ASSEMBLY,  
200 SIGNAL POSITION

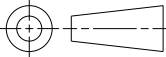
SIZE A3 CAGE CODE 00779 DRAWING NO C-1761615 RESTRICTED TO -

SCALE - SHEET 2 OF 6 REV A5

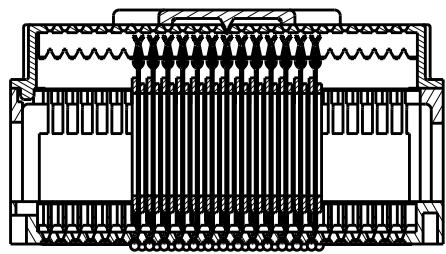
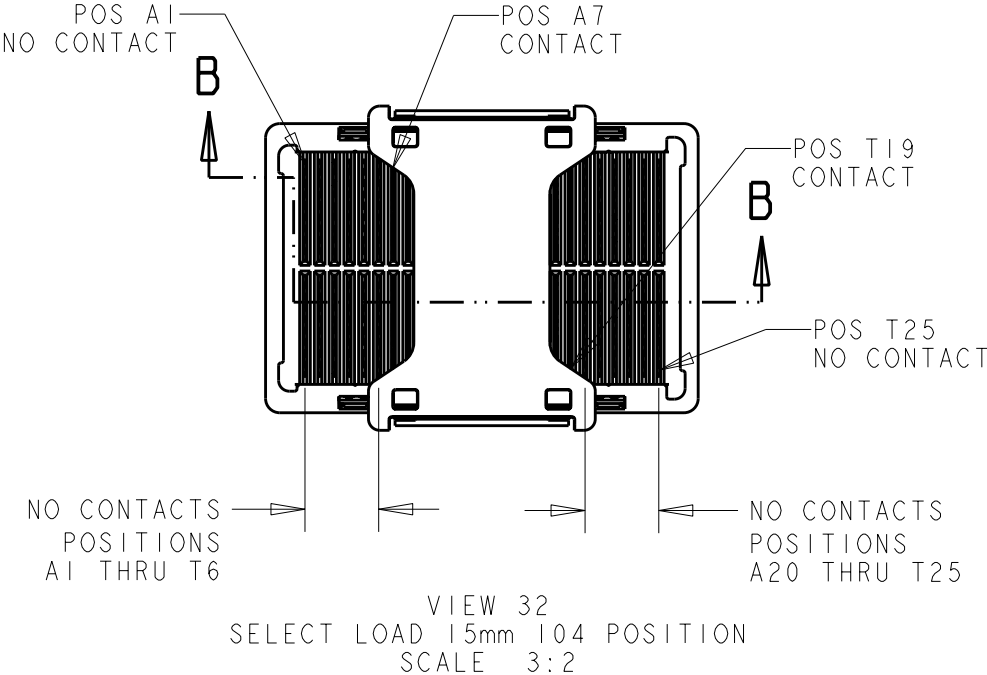
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| GP  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |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



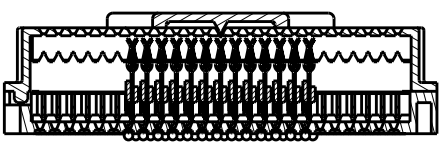
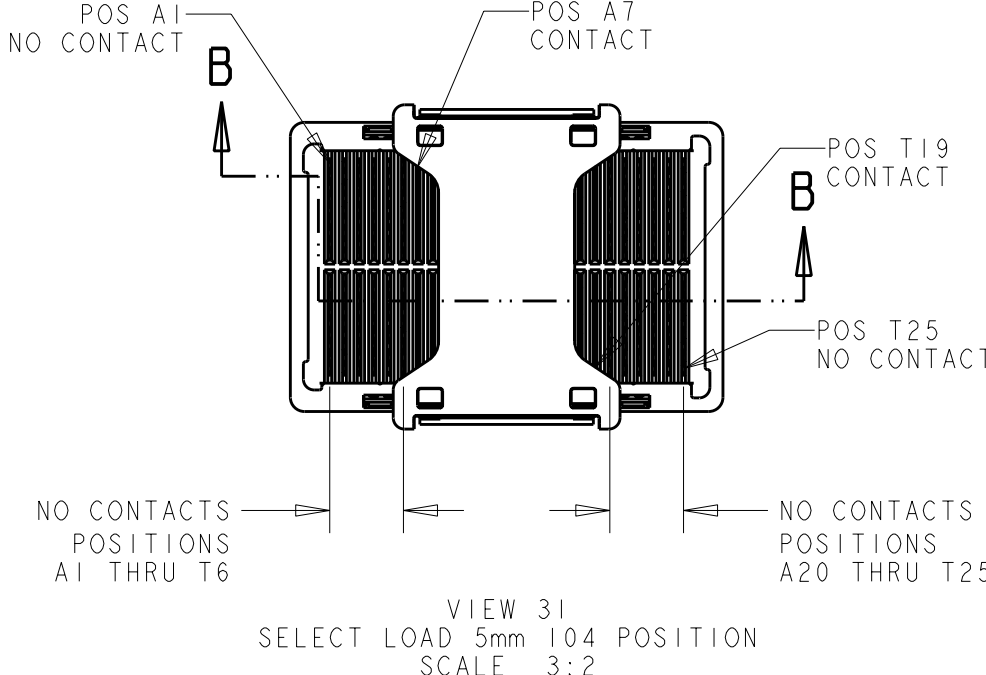
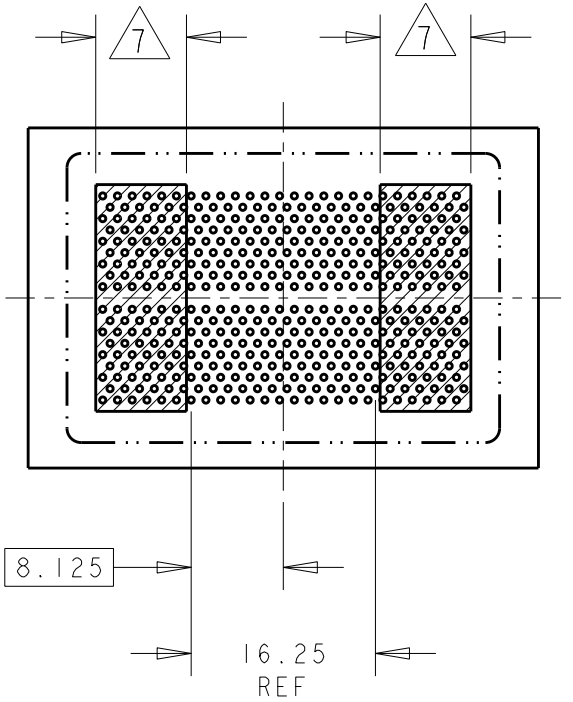
4 5 BOARD PATTERN  
SCALE 3:1

|                                                                                       |                                                                                                                                  |                               |                                                                                                                              |             |            |               |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                                                                                                                  | DWN<br>P BRANDBERG<br>21DEC04 | <div><div><div>TE</div><div>TE Connectivity</div></div><div>STEP-Z, RECEPTACLE ASSEMBLY,<br/>200 SIGNAL POSITION</div></div> |             |            |               |
| DIMENSIONS:<br>mm                                                                     |                                                                                                                                  | CHK<br>D WERTZ<br>05JAN05     |                                                                                                                              |             |            |               |
|  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><br>0 PLC ±-<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±0.050<br>4 PLC ±-<br>ANGLES ±2° | APVD<br>D WERTZ<br>05JAN05    | NAME                                                                                                                         |             |            |               |
|                                                                                       |                                                                                                                                  | PRODUCT SPEC<br>108-2143      |                                                                                                                              |             |            |               |
|                                                                                       |                                                                                                                                  | APPLICATION SPEC<br>114-13101 | SIZE                                                                                                                         | CAGE CODE   | DRAWING NO | RESTRICTED TO |
|                                                                                       |                                                                                                                                  | MATERIAL<br>-                 | FINISH<br>-                                                                                                                  | WEIGHT<br>- | A3         |               |
| CUSTOMER DRAWING                                                                      |                                                                                                                                  |                               | SCALE<br>-                                                                                                                   | SHEET<br>3  | OF<br>6    | REV<br>A5     |

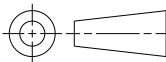
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|-----|------|-----------|-----|-------------|------|-----|------|
| 2   |      | 1         |     |             |      |     |      |
| LOC | DIST | REVISIONS |     |             |      |     |      |
| GP  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |



SECTION B-B



SECTION B-B

|                                                                                       |  |                                                                                 |  |                               |  |                                                                                                       |  |                    |  |                         |  |                    |  |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|-------------------------------|--|-------------------------------------------------------------------------------------------------------|--|--------------------|--|-------------------------|--|--------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>P BRANDBERG<br>CHK<br>D WERTZ<br>APVD<br>D WERTZ                         |  | 21DEC04<br>05JAN05<br>05JAN05 |  |  TE Connectivity |  |                    |  |                         |  |                    |  |
| DIMENSIONS:<br>mm                                                                     |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                       |  | PRODUCT SPEC                  |  | NAME<br>STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION<br>-                                      |  |                    |  |                         |  |                    |  |
|  |  | 0 PLC ±-<br>1 PLC ±0.3<br>2 PLC ±0.10<br>3 PLC ±0.050<br>4 PLC ±-<br>ANGLES ±2° |  | 108-2143                      |  |                                                                                                       |  |                    |  |                         |  |                    |  |
| MATERIAL<br>-                                                                         |  | FINISH<br>-                                                                     |  | APPLICATION SPEC<br>114-13101 |  | SIZE<br>A3                                                                                            |  | CAGE CODE<br>00779 |  | DRAWING NO<br>C-1761615 |  | RESTRICTED TO<br>- |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                 |  |                               |  | SCALE<br>-                                                                                            |  | SHEET<br>4         |  | OF<br>6                 |  | REV<br>A5          |  |



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

D

C

B

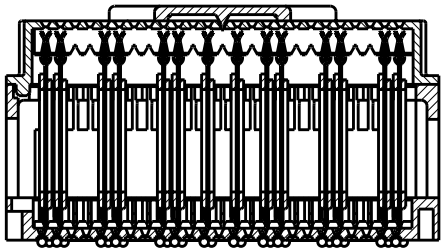
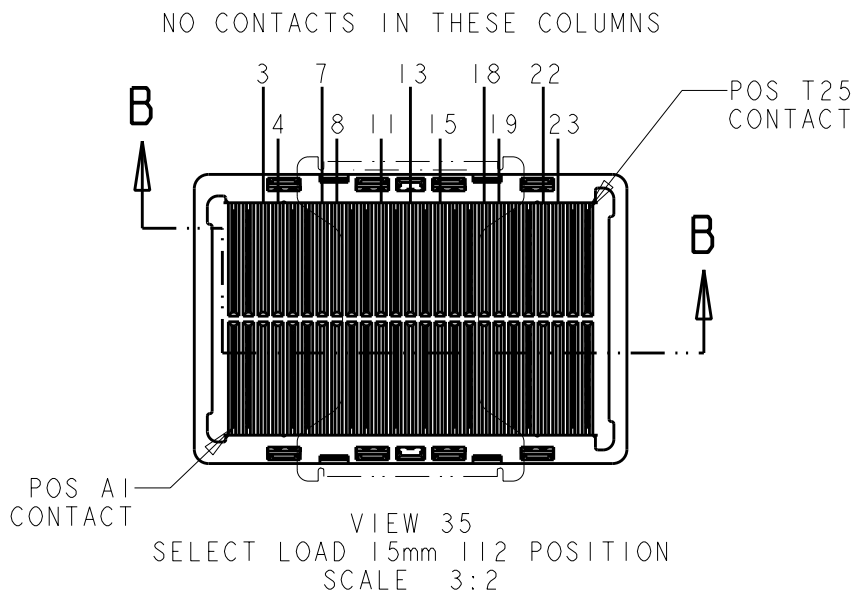
A

D

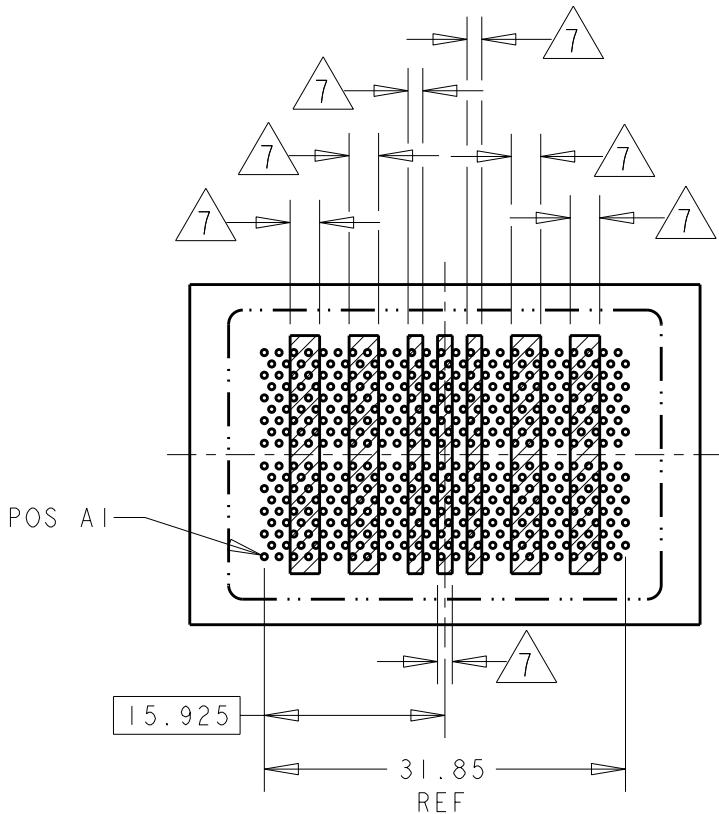
C

B

A



SECTION B - B



VIEW 35  
SELECT LOAD 112 POSITION  
BOARD PATTERN  
SCALE 3:2

|                                        |  |                                                         |                               |                                                             |               |
|----------------------------------------|--|---------------------------------------------------------|-------------------------------|-------------------------------------------------------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>P BRANDBERG<br>CHK<br>D WERTZ<br>APVD<br>D WERTZ | 21DEC04<br>05JAN05<br>05JAN05 | TE Connectivity                                             |               |
| DIMENSIONS:<br>mm                      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                  |                               | NAME<br>STEP-Z, RECEPTACLE ASSEMBLY,<br>200 SIGNAL POSITION |               |
|                                        |  | 0 PLC ±-                                                |                               | SIZE                                                        | RESTRICTED TO |
|                                        |  | 1 PLC ±0.3                                              |                               | CAGE CODE                                                   |               |
|                                        |  | 2 PLC ±0.10                                             |                               | DRAWING NO                                                  |               |
|                                        |  | 3 PLC ±0.050                                            |                               |                                                             |               |
|                                        |  | 4 PLC ±-                                                |                               |                                                             |               |
|                                        |  | ANGLES ±2°                                              |                               |                                                             |               |
| MATERIAL -                             |  | FINISH -                                                |                               | A300779C-1761615                                            |               |
|                                        |  | PRODUCT SPEC<br>108-2143                                |                               |                                                             |               |
|                                        |  | APPLICATION SPEC<br>114-13101                           |                               |                                                             |               |
|                                        |  | WEIGHT -                                                |                               |                                                             |               |
|                                        |  | CUSTOMER DRAWING                                        |                               | SCALE -                                                     |               |
|                                        |  |                                                         |                               | SHEET 6 OF 6                                                | REV A5        |