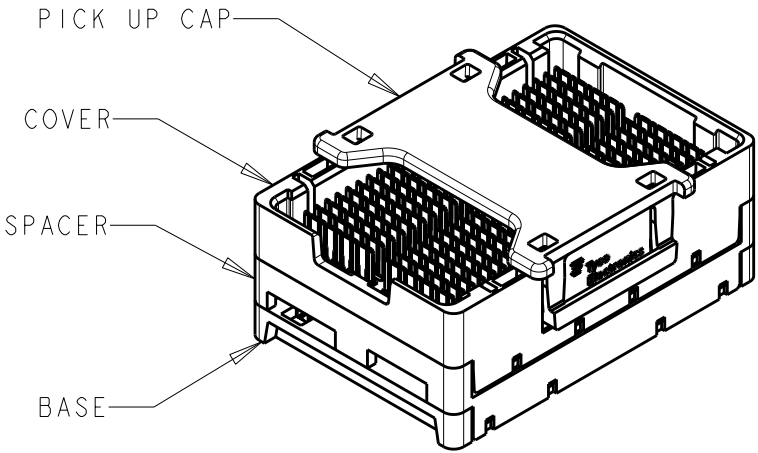
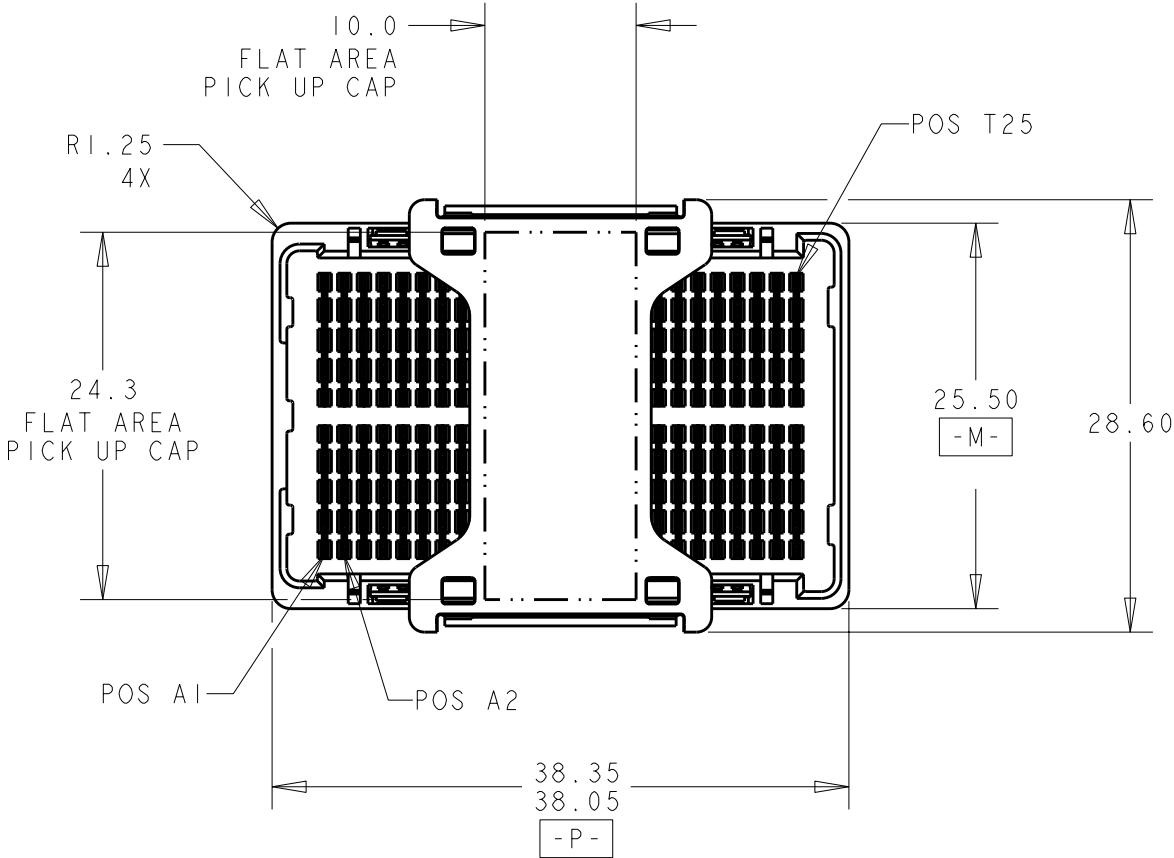
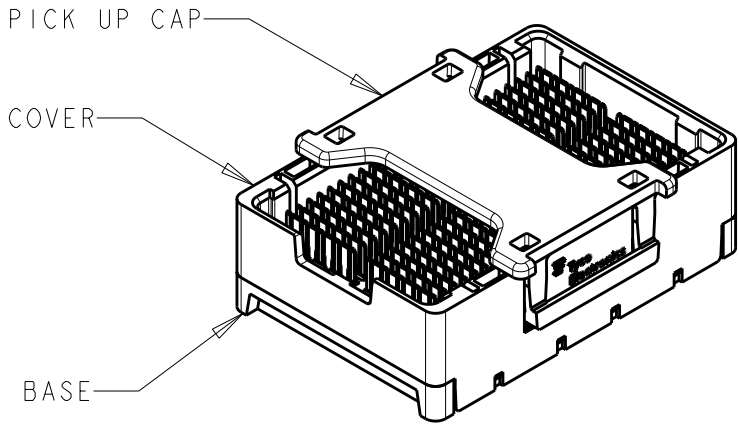
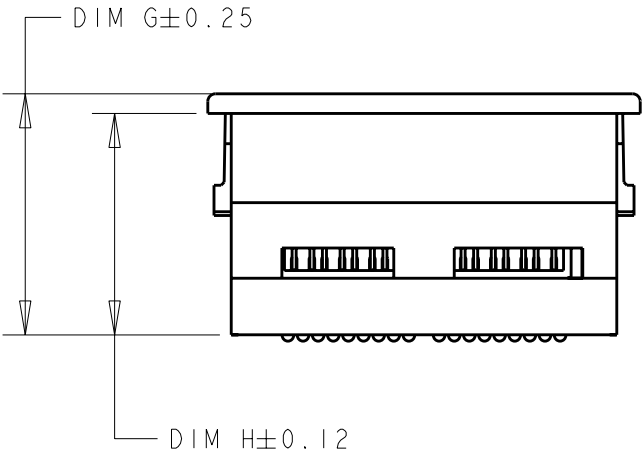
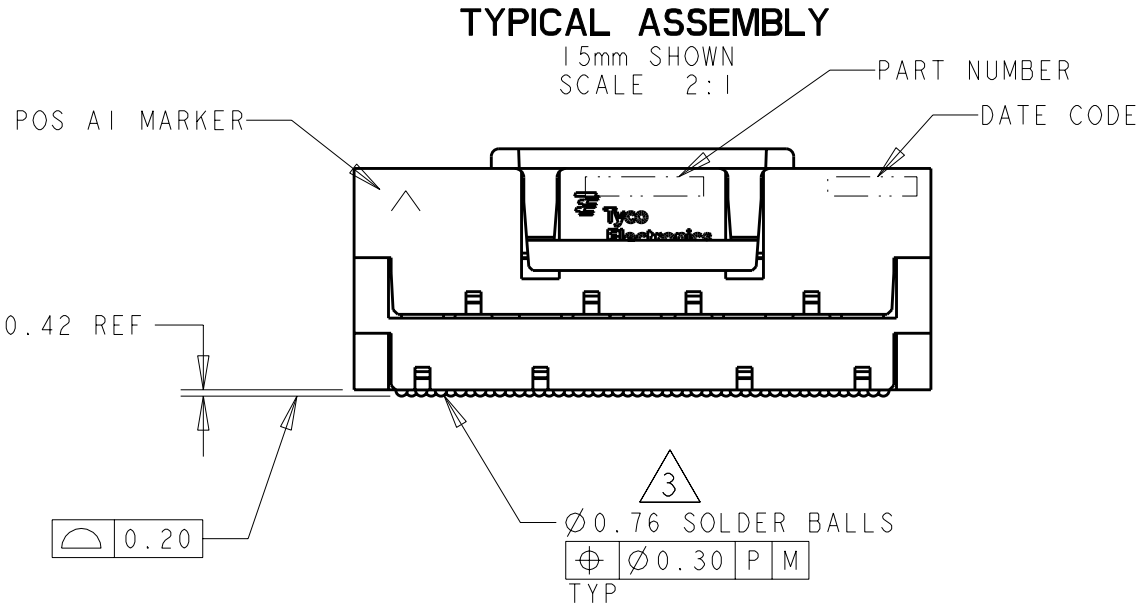


| LOC | DIST | REVISIONS |     |                           |           |     |      |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
|     |      | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
| GP  | 00   |           | A6  | REVISED PER ECO-11-005139 | 13MAY2011 | RK  | HMR  |
|     |      |           |     |                           |           |     |      |
|     |      |           |     |                           |           |     |      |
|     |      |           |     |                           |           |     |      |



ISOMETRIC VIEW  
TYPICAL CONFIGURATION FOR  
15mm, 20mm & 25mm ASSEMBLY  
SCALE 3:2



ISOMETRIC VIEW  
TYPICAL CONFIGURATION FOR  
10mm, 12mm, & 13mm ASSEMBLY  
SCALE 3:2

|                                        |  |                               |                                                                                                       |  |  |  |
|----------------------------------------|--|-------------------------------|-------------------------------------------------------------------------------------------------------|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>P BRANDBERG<br>17DEC04 |  TE Connectivity |  |  |  |
|                                        |  | CHK<br>D WERTZ<br>05JAN05     |                                                                                                       |  |  |  |
|                                        |  | APVD<br>D WERTZ<br>05JAN05    | NAME<br>STEP-Z, PLUG ASSEMBLY,<br>200 SIGNAL POSITION                                                 |  |  |  |
|                                        |  | PRODUCT SPEC<br>108-2143      |                                                                                                       |  |  |  |
|                                        |  | APPLICATION SPEC<br>114-13101 | SIZE<br>A3                                                                                            |  |  |  |
|                                        |  | WEIGHT<br>-                   |                                                                                                       |  |  |  |
|                                        |  | CUSTOMER DRAWING              | CAGE CODE<br>000779                                                                                   |  |  |  |
|                                        |  |                               | DRAWING NO<br>C-1761614                                                                               |  |  |  |
|                                        |  |                               | RESTRICTED TO<br>-                                                                                    |  |  |  |
|                                        |  |                               | SCALE<br>-                                                                                            |  |  |  |
|                                        |  |                               | SHEET<br>1                                                                                            |  |  |  |
|                                        |  |                               | OF<br>5                                                                                               |  |  |  |
|                                        |  |                               | REV<br>A6                                                                                             |  |  |  |

| 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 1761614-1 THRU 5-1761614-0  
Sn/Ag FOR P/N 5-1761614-1 THRU 9-1761614-9

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 ROW 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.

|       |       |                                  |             |             |
|-------|-------|----------------------------------|-------------|-------------|
| 11.65 | 12.95 | SELECT LOAD-112 POSN-SEE VIEW 35 | 12mm Sn/Ag  | 8-1761614-5 |
| 12.65 | 13.95 | SELECT LOAD-104 POSN-SEE VIEW 31 | 13mm Sn/Ag  | 8-1761614-3 |
| 19.65 | 20.95 | SELECT LOAD-104 POSN-SEE VIEW 31 | 20mm Sn/Ag  | 8-1761614-2 |
| 9.65  | 10.95 | SELECT LOAD-104 POSN-SEE VIEW 31 | 10mm Sn/Ag  | 8-1761614-1 |
| 24.65 | 25.95 | FULL LOAD-200 POSN               | 25mm Sn/Ag  | 7-1761614-5 |
| 19.65 | 20.95 | FULL LOAD-200 POSN               | 20mm Sn/Ag  | 7-1761614-0 |
| 14.65 | 15.95 | FULL LOAD-200 POSN               | 15mm Sn/Ag  | 6-1761614-5 |
| 12.65 | 13.95 | FULL LOAD-200 POSN               | 13mm Sn/Ag  | 6-1761614-3 |
| 11.65 | 12.95 | FULL LOAD-200 POSN               | 12mm Sn/Ag  | 6-1761614-2 |
| 9.65  | 10.95 | FULL LOAD-200 POSN               | 10mm Sn/Ag  | 6-1761614-0 |
|       |       |                                  |             |             |
| 9.65  | 10.95 | SELECT LOAD-120 POSN-SEE VIEW 34 | 10mm Sn/Pb  | 3-1761614-4 |
| 12.65 | 13.95 | SELECT LOAD-104 POSN-SEE VIEW 31 | 13mm Sn/Pb  | 3-1761614-3 |
| 19.65 | 20.95 | SELECT LOAD-104 POSN-SEE VIEW 31 | 20mm Sn/Pb  | 3-1761614-2 |
| 9.65  | 10.95 | SELECT LOAD-104 POSN-SEE VIEW 31 | 10mm Sn/Pb  | 3-1761614-1 |
| 24.65 | 25.95 | FULL LOAD-200 POSN               | 25mm Sn/Pb  | 2-1761614-5 |
| 19.65 | 20.95 | FULL LOAD-200 POSN               | 20mm Sn/Pb  | 2-1761614-0 |
| 14.65 | 15.95 | FULL LOAD-200 POSN               | 15mm Sn/Pb  | 1-1761614-5 |
| 12.65 | 13.95 | FULL LOAD-200 POSN               | 13mm Sn/Pb  | 1-1761614-3 |
| 11.65 | 12.95 | FULL LOAD-200 POSN               | 12mm Sn/Pb  | 1-1761614-2 |
| 9.65  | 10.95 | FULL LOAD-200 POSN               | 10mm Sn/Pb  | 1-1761614-0 |
| 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 17DEC04  
CHK D WERTZ 05JAN05  
APVD D WERTZ 05JAN05

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

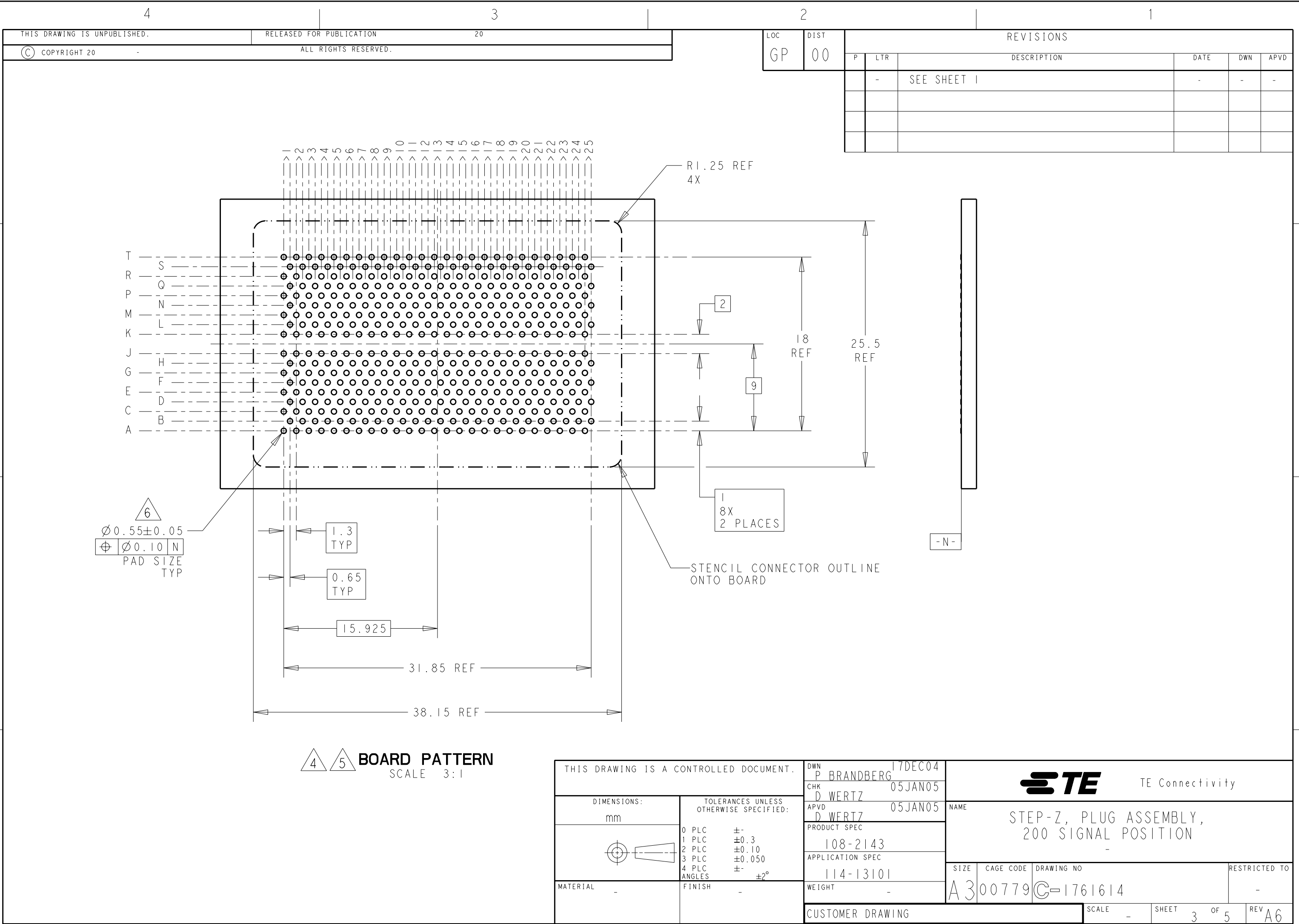
CUSTOMER DRAWING

TE Connectivity

STEP-Z, PLUG ASSEMBLY,  
200 SIGNAL POSITION  
-

SIZE A3 CAGE CODE 00779 DRAWING NO C-1761614 RESTRICTED TO -

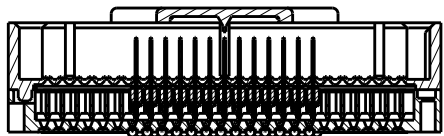
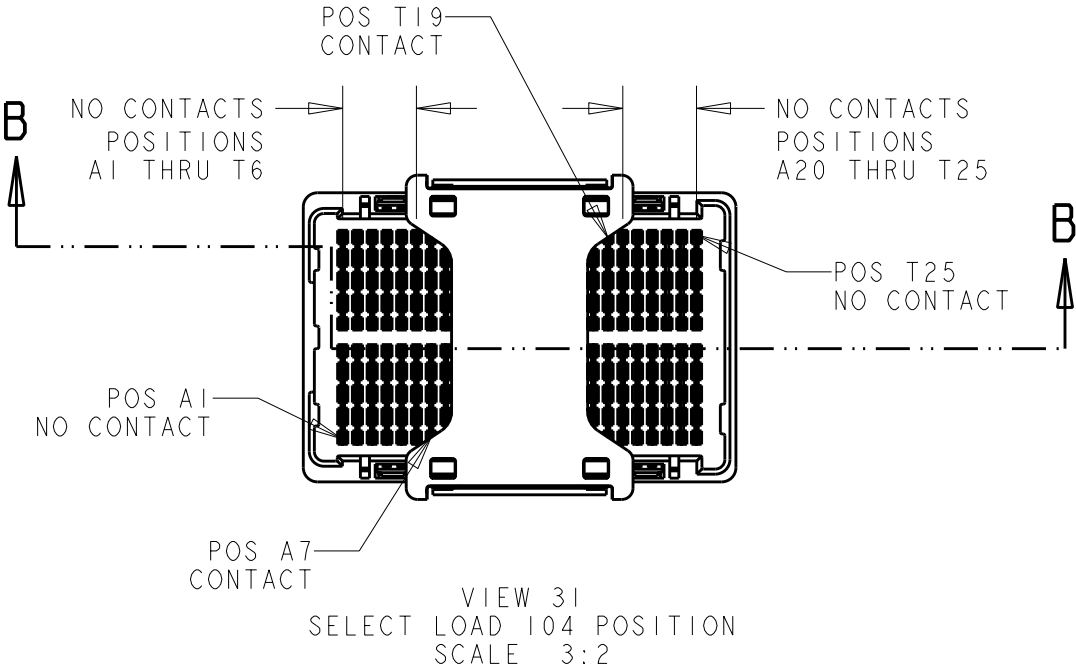
SCALE - SHEET 2 OF 5 REV A6



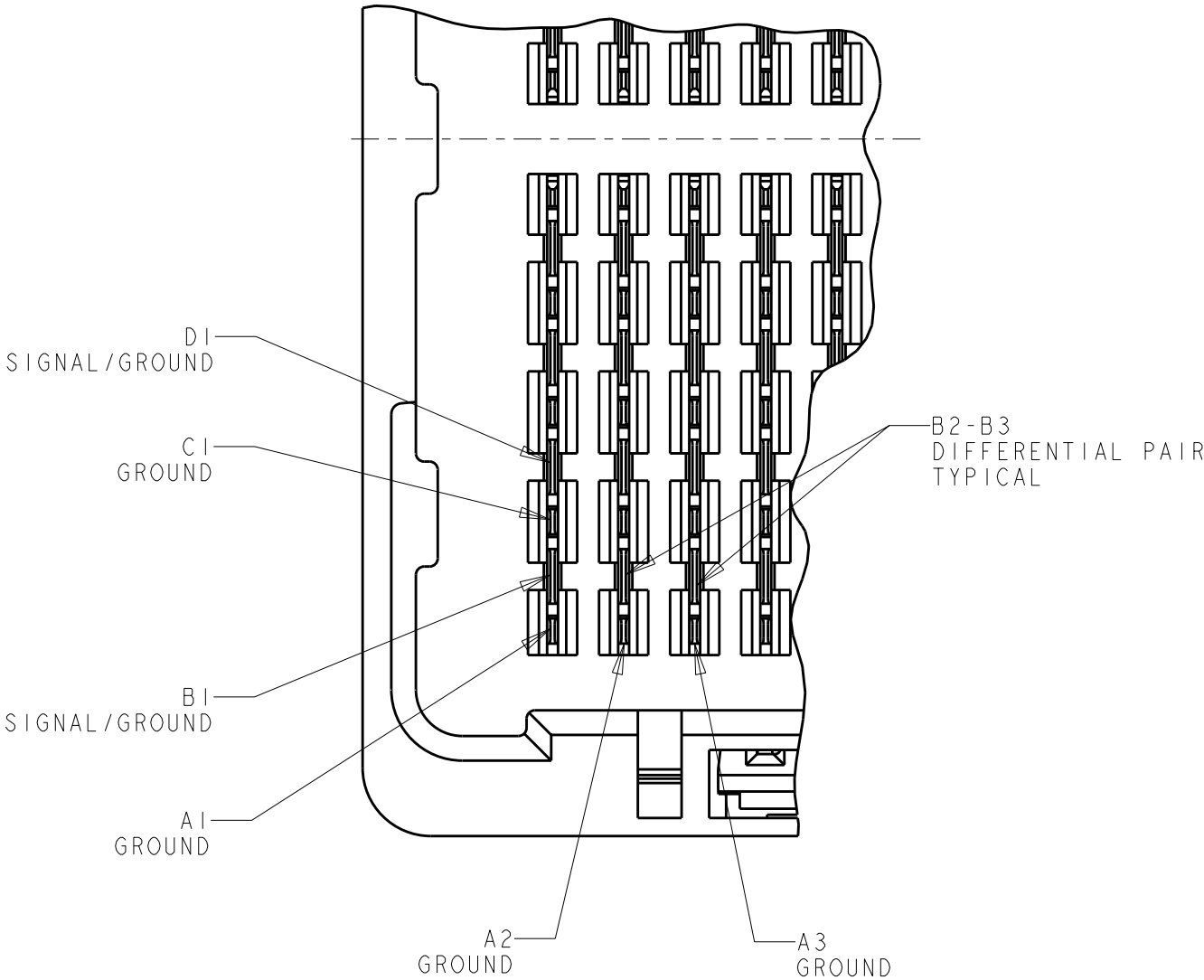
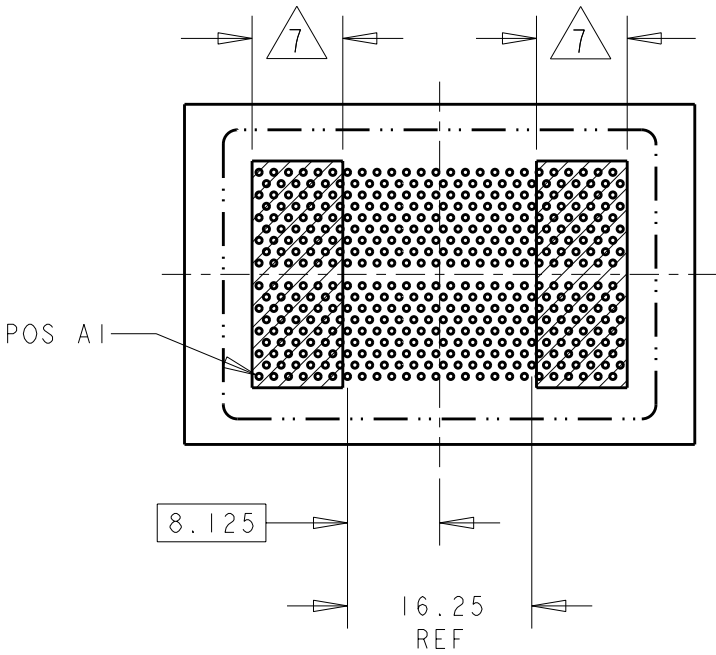
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1

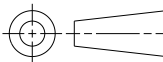
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| GP  | 00   |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |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



SECTION B-B



PLUG INTERFACE  
SCALE 8:1

|                                                                                       |  |                                                                                 |  |                               |  |                                                                                                       |  |                    |  |                         |  |                    |  |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|-------------------------------|--|-------------------------------------------------------------------------------------------------------|--|--------------------|--|-------------------------|--|--------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>P BRANDBERG<br>CHK<br>D WERTZ<br>APVD<br>D WERTZ                         |  | 17DEC04<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, PLUG ASSEMBLY,<br>200 SIGNAL POSITION<br>-                                                    |  |                    |  |                         |  |                    |  |
| MATERIAL<br>-                                                                         |  | FINISH<br>-                                                                     |  | APPLICATION SPEC<br>114-13101 |  | SIZE<br>A3                                                                                            |  | CAGE CODE<br>00779 |  | DRAWING NO<br>C-1761614 |  | RESTRICTED TO<br>- |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                 |  |                               |  | SCALE<br>-                                                                                            |  | SHEET<br>4         |  | OF<br>5                 |  | REV<br>A6          |  |

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RELEASED FOR PUBLICATION

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

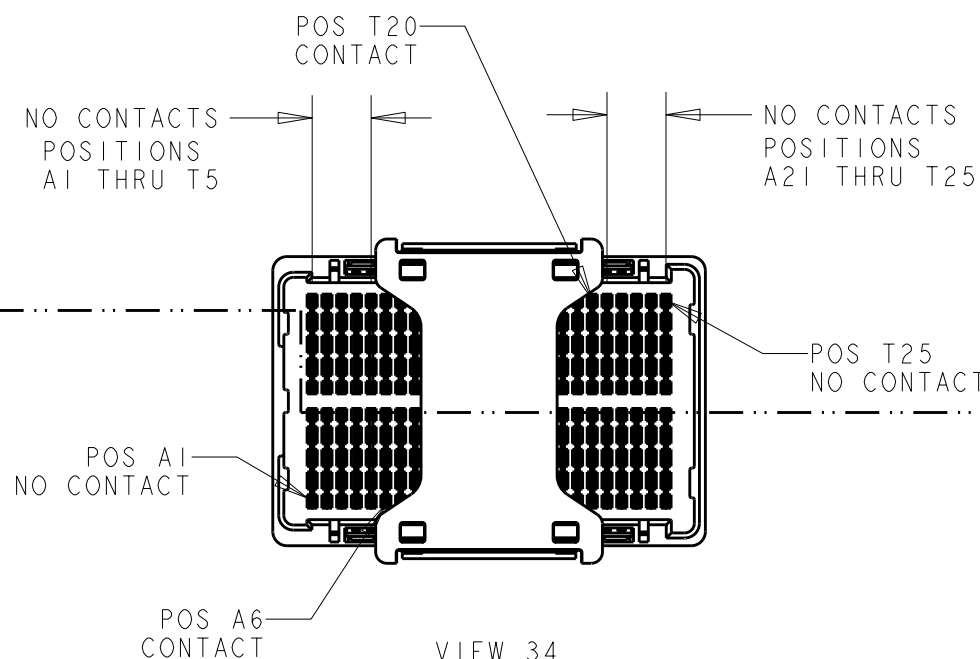
DWN

APVD

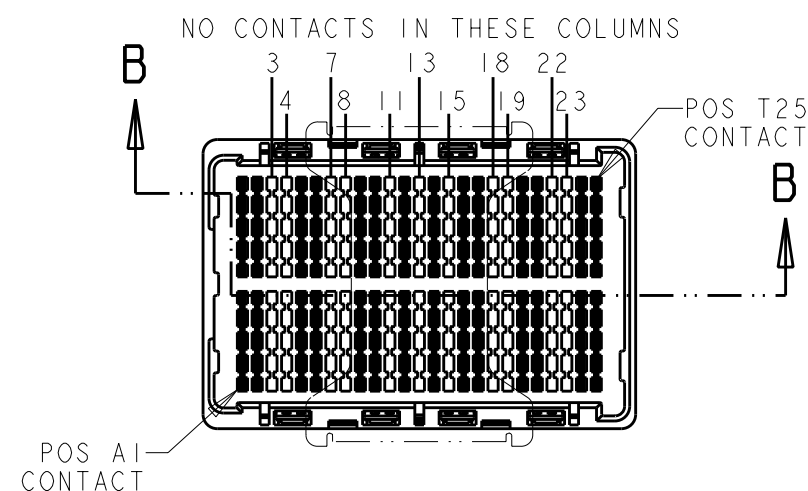
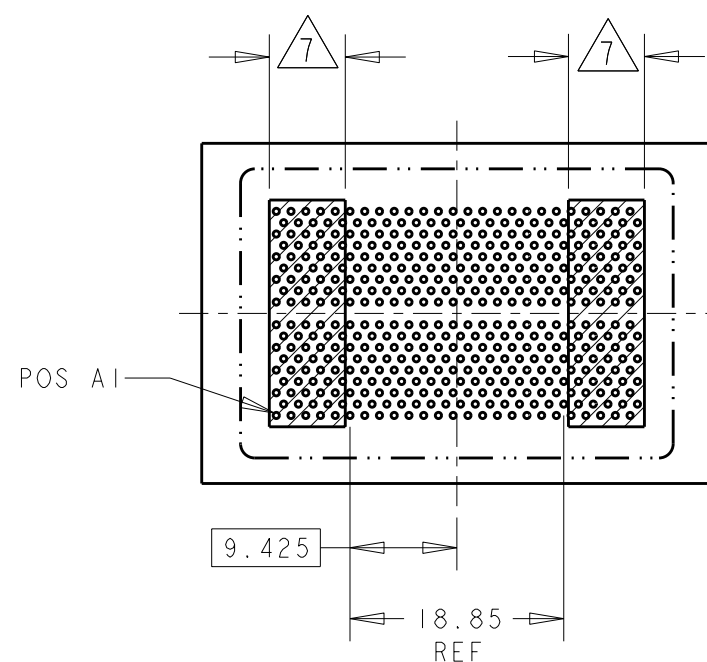
GP

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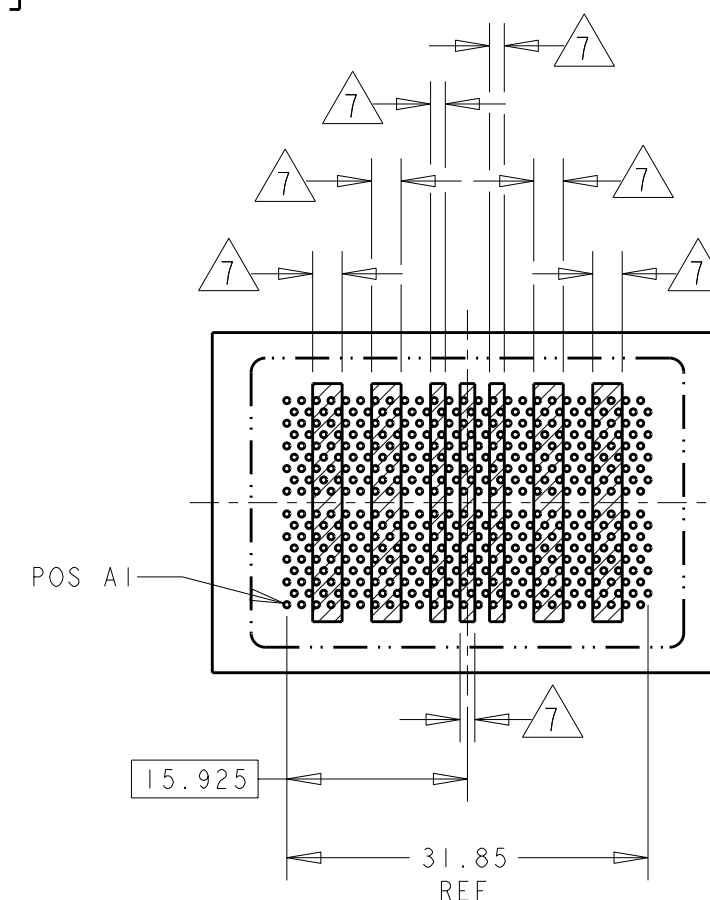
SEE SHEET 1



SECTION B-B



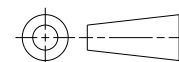
SECTION B-B



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 17DEC04

CHK D WERTZ 05JAN05

APVD D WERTZ 05JAN05

PRODUCT SPEC

108-2143

APPLICATION SPEC

114-13101

WEIGHT

CUSTOMER DRAWING

**STE**

TE Connectivity

NAME

STEP-Z, PLUG ASSEMBLY,  
200 SIGNAL POSITION

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C-1761614

SCALE

SHEET

5

OF

5

REV

A6

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