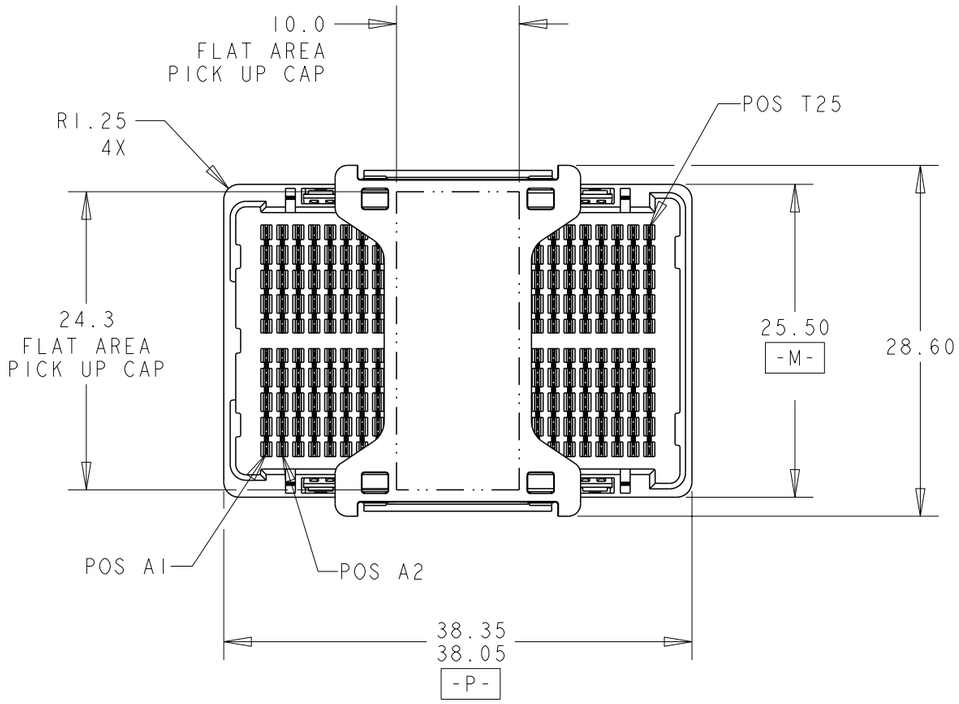
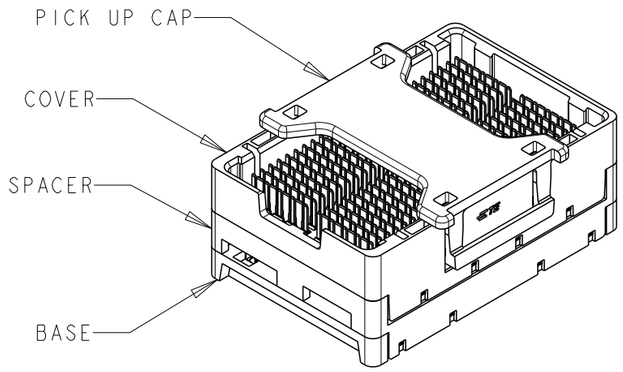
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A7	REVISED PER ECO-20-017117	27APR2021	AP	RW

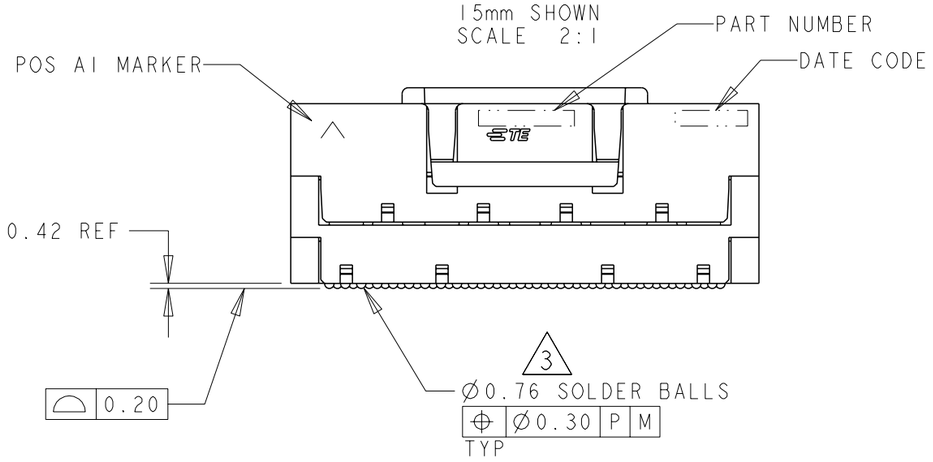


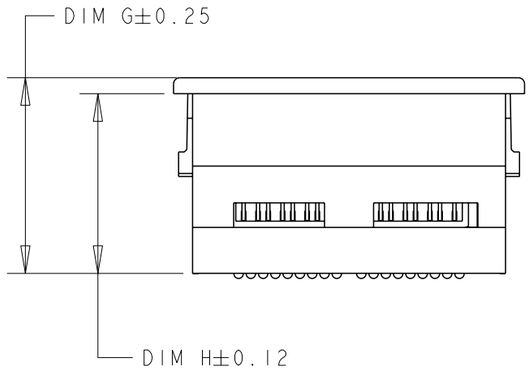


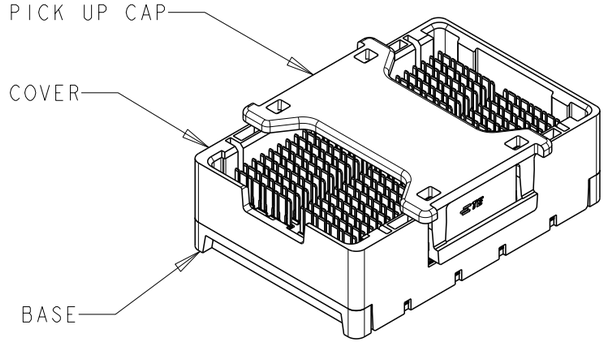
ISOMETRIC VIEW
TYPICAL CONFIGURATION FOR
15mm, 20mm & 25mm ASSEMBLY
SCALE 3:2

TYPICAL ASSEMBLY

15mm SHOWN
SCALE 2:1







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

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 - 1

FINISH - 2

DWN P BRANDBERG	17DEC04
CHK D WERTZ	05JAN05
APVD D WERTZ	05JAN05
PRODUCT SPEC	108-2143
APPLICATION SPEC	114-13101
WEIGHT	-

TE Connectivity

NAME
STEP-Z, PLUG ASSEMBLY,
200 SIGNAL POSITION
-

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

CUSTOMER DRAWING

SCALE	SHEET	REV
2:1	1 OF 5	A7

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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 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.

	DIM H	DIM G	LOAD STYLE	DESCRIPTION	PART NUMBER
	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
OBSOLETE	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~~

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 -

TE Connectivity

NAME STEP-Z, PLUG ASSEMBLY, 200 SIGNAL POSITION
-

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

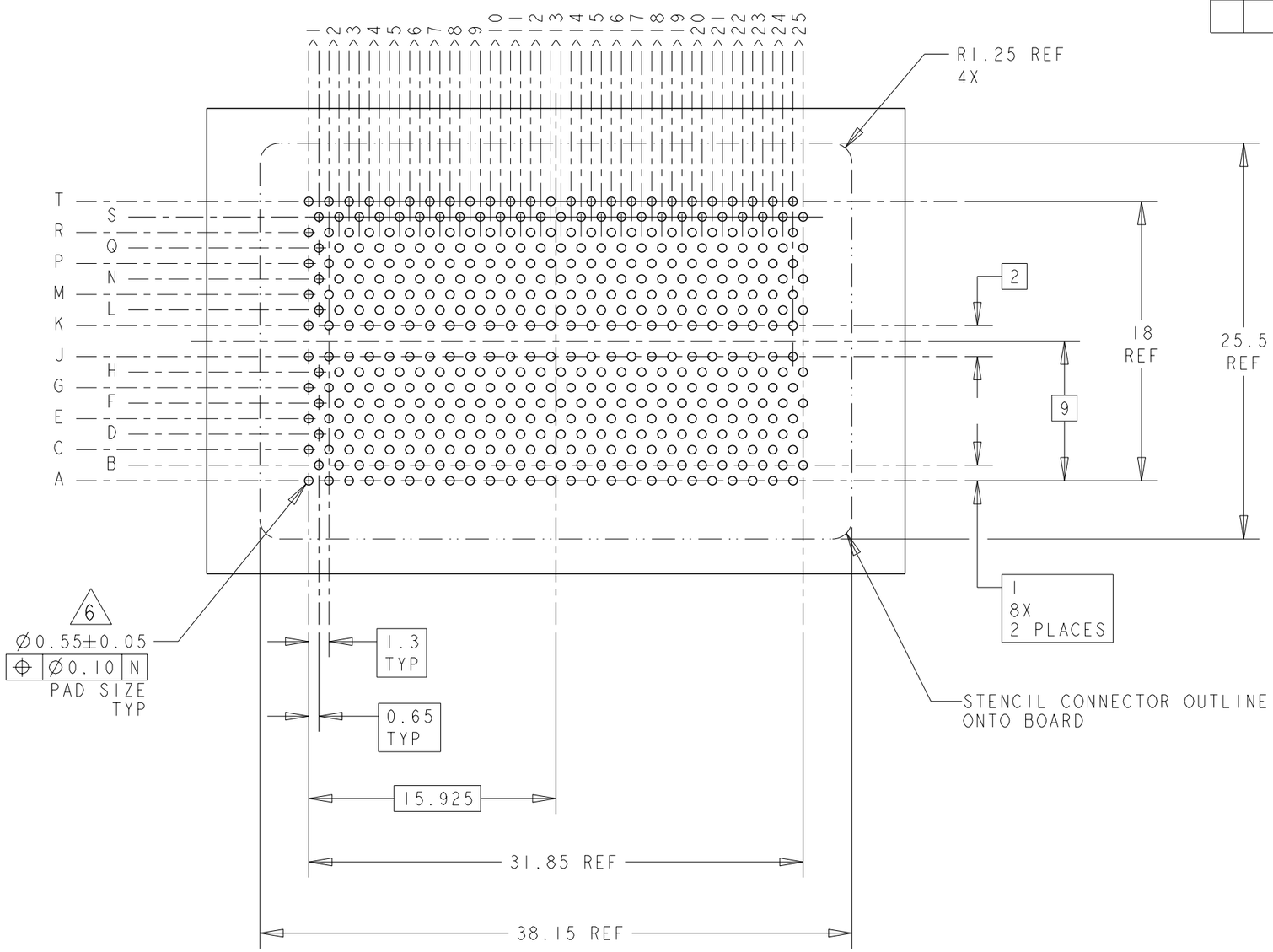
CUSTOMER DRAWING

SCALE 2:1 SHEET 2 OF 5 REV A7

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



4 5 BOARD PATTERN
SCALE 3:1

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	-

TE Connectivity

NAME: STEP-Z, PLUG ASSEMBLY, 200 SIGNAL POSITION
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
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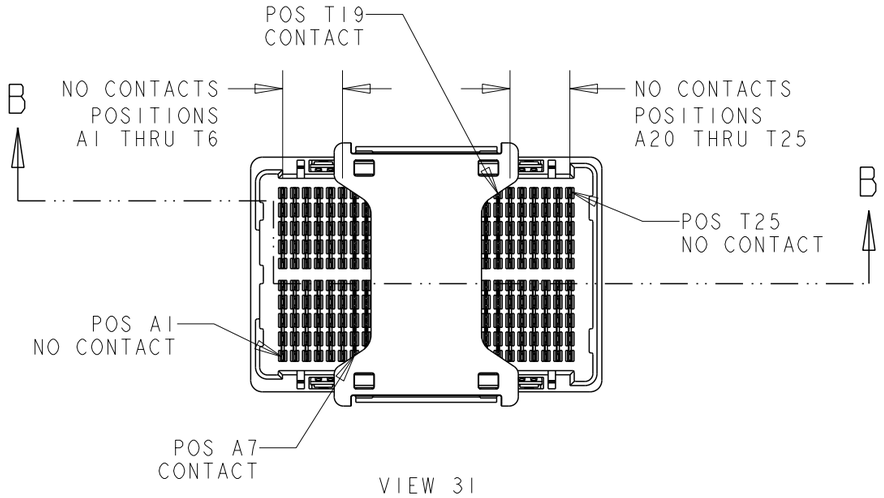
CUSTOMER DRAWING | SCALE 2:1 | SHEET 3 OF 5 | REV A7

1470-19 (3/13)

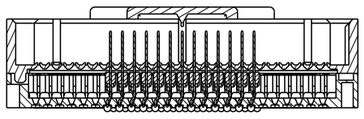
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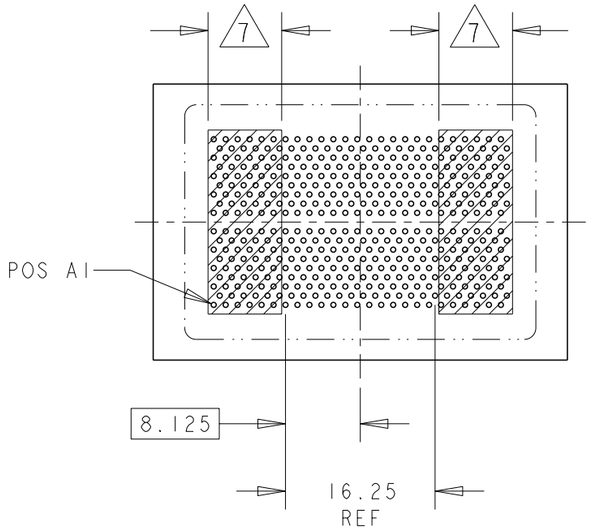
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



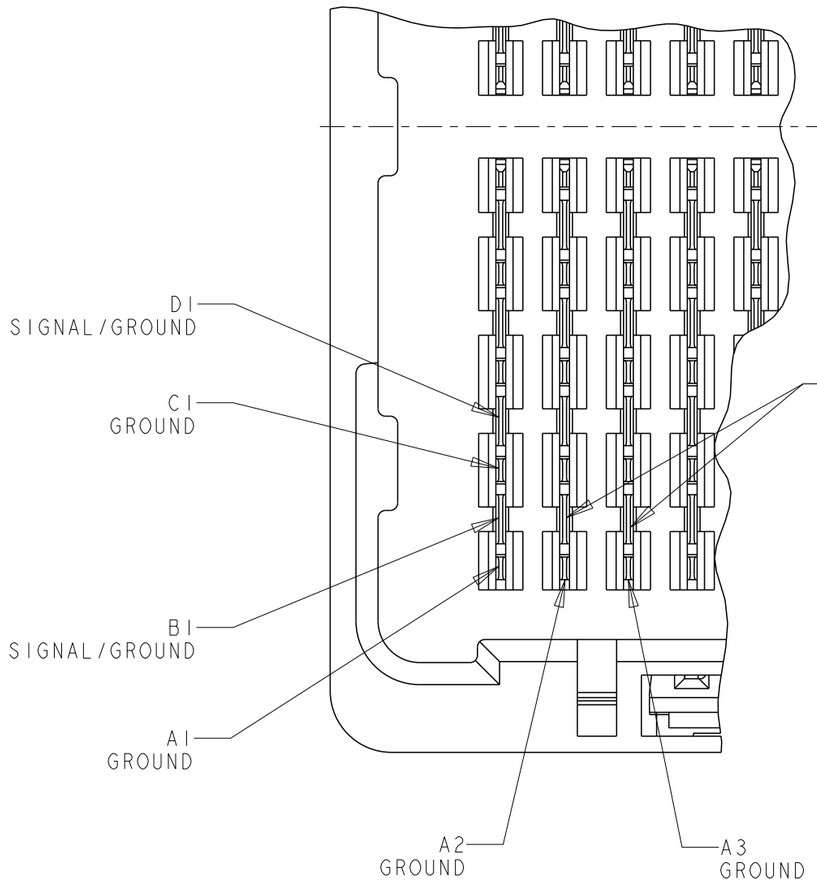
VIEW 31
SELECT LOAD 104 POSITION
SCALE 3:2



SECTION B-B



VIEW 31 (8)
SELECT LOAD 104 POSITION
BOARD PATTERN
SCALE 3:2



PLUG INTERFACE
SCALE 8:1

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	17DEC04
CHK D WERTZ	05JAN05
APVD D WERTZ	05JAN05
PRODUCT SPEC	108-2143
APPLICATION SPEC	114-13101
WEIGHT	-

TE Connectivity

NAME
STEP-Z, PLUG ASSEMBLY,
200 SIGNAL POSITION
-

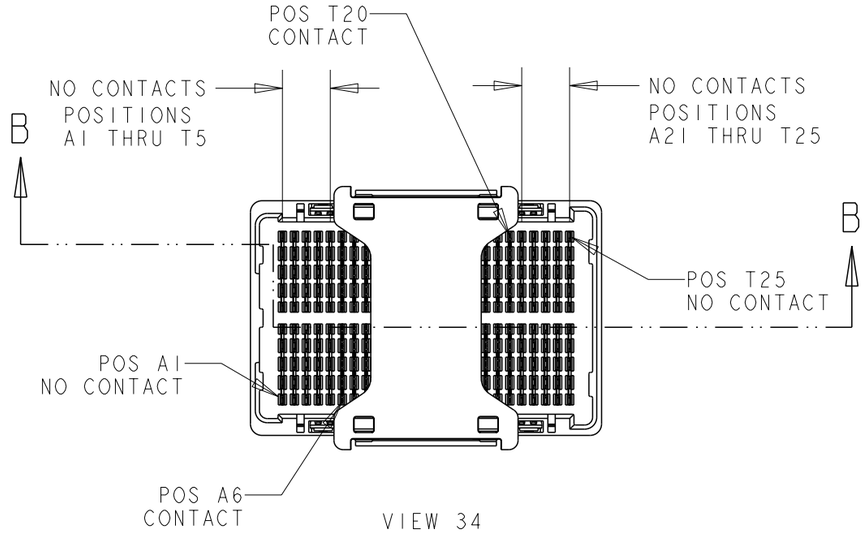
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1761614	

CUSTOMER DRAWING | SCALE 2:1 | SHEET 4 OF 5 | REV A7

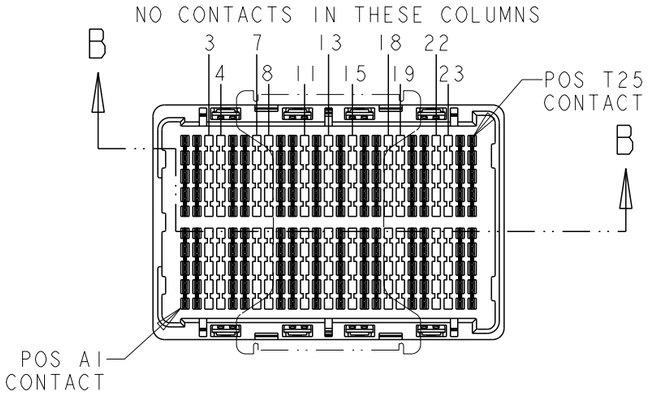
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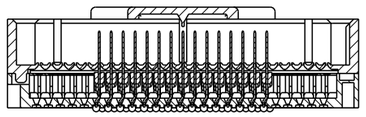
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



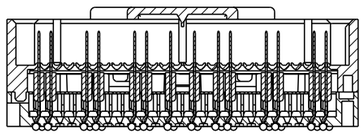
VIEW 34
SELECT LOAD 120 POSITION
SCALE 3:2



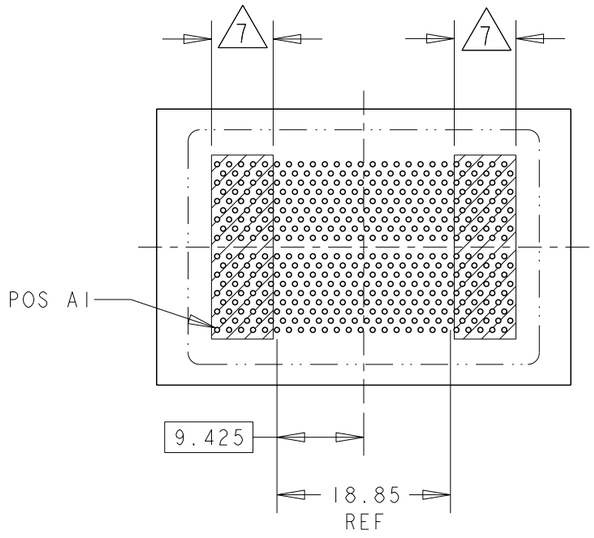
VIEW 35
SELECT LOAD 112 POSITION
SCALE 3:2



SECTION B-B

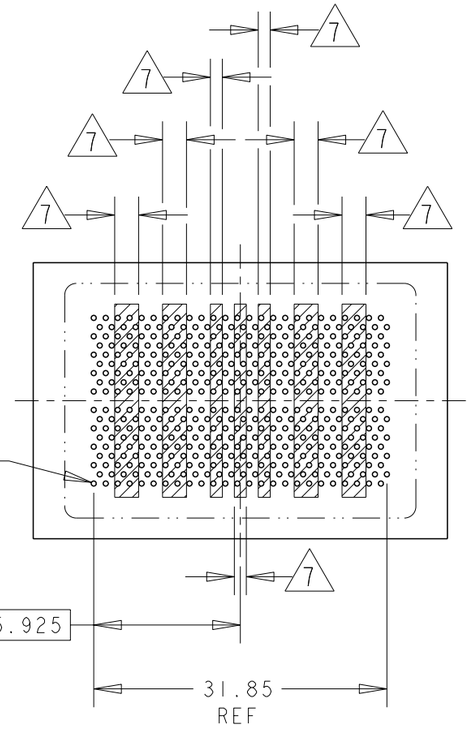


SECTION B-B



VIEW 34
SELECT LOAD 120 POSITION
BOARD PATTERN
SCALE 3:2

8



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

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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	17DEC04
CHK D WERTZ	05JAN05
APVD D WERTZ	05JAN05
PRODUCT SPEC	108-2143
APPLICATION SPEC	114-13101
WEIGHT	-

TE Connectivity

NAME
STEP-Z, PLUG ASSEMBLY,
200 SIGNAL POSITION
-

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

CUSTOMER DRAWING

SCALE	SHEET	REV
2:1	5 OF 5	A7

1470-19 (3/13)

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