

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.

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

DIM H	DIM G	LOAD STYLE	DESCRIPTION	PART NUMBER
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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
-

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

SIZE
A3

CAGE CODE
000779

DRAWING NO
C-1761614

RESTRICTED TO

CUSTOMER DRAWING

SCALE
2:1

SHEET
2 OF 5

REV
A7

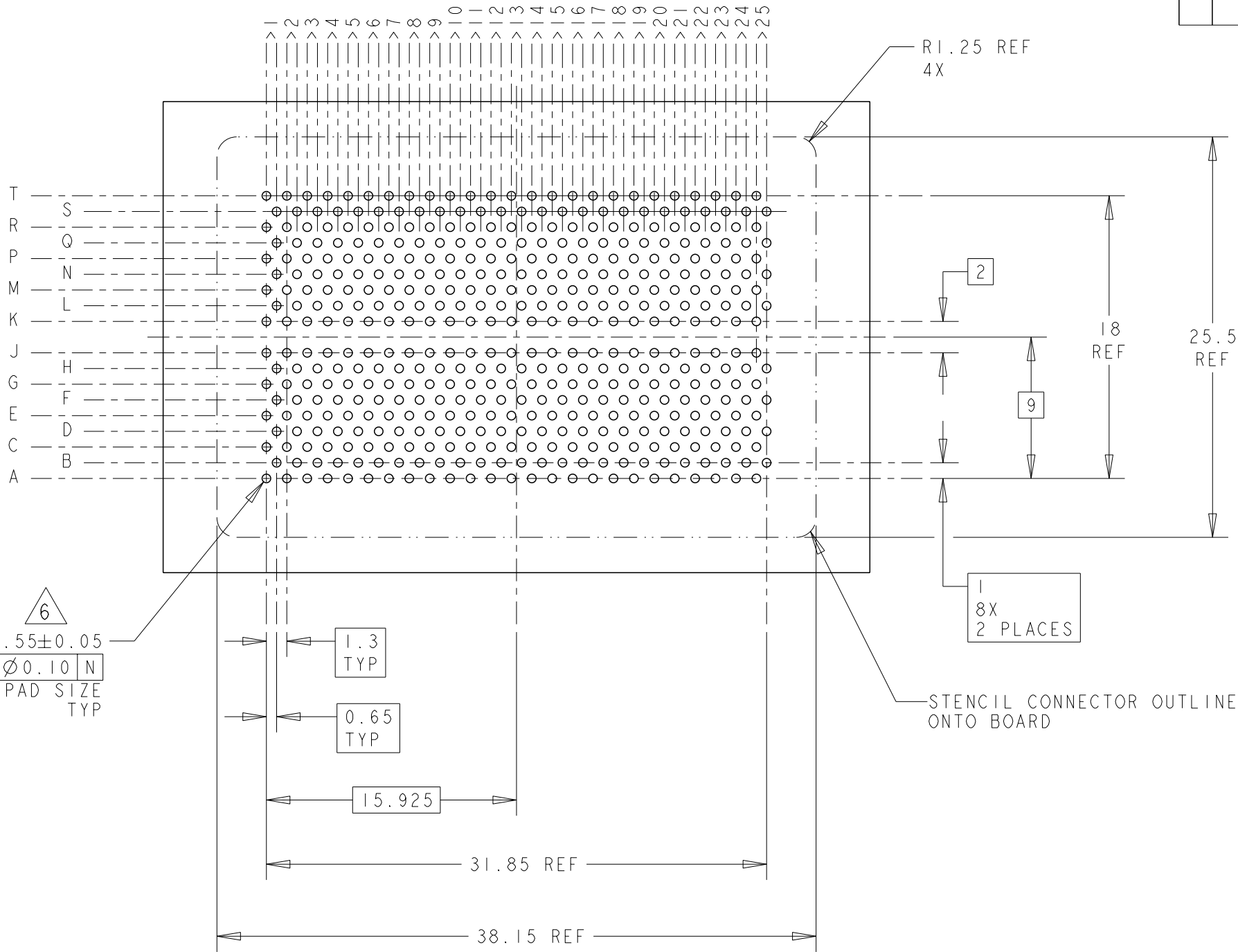
TE Connectivity

1470-19 (3/13)

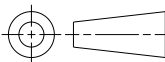
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REVISIONS

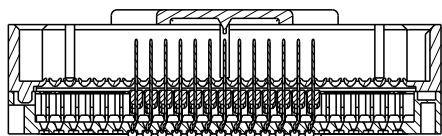
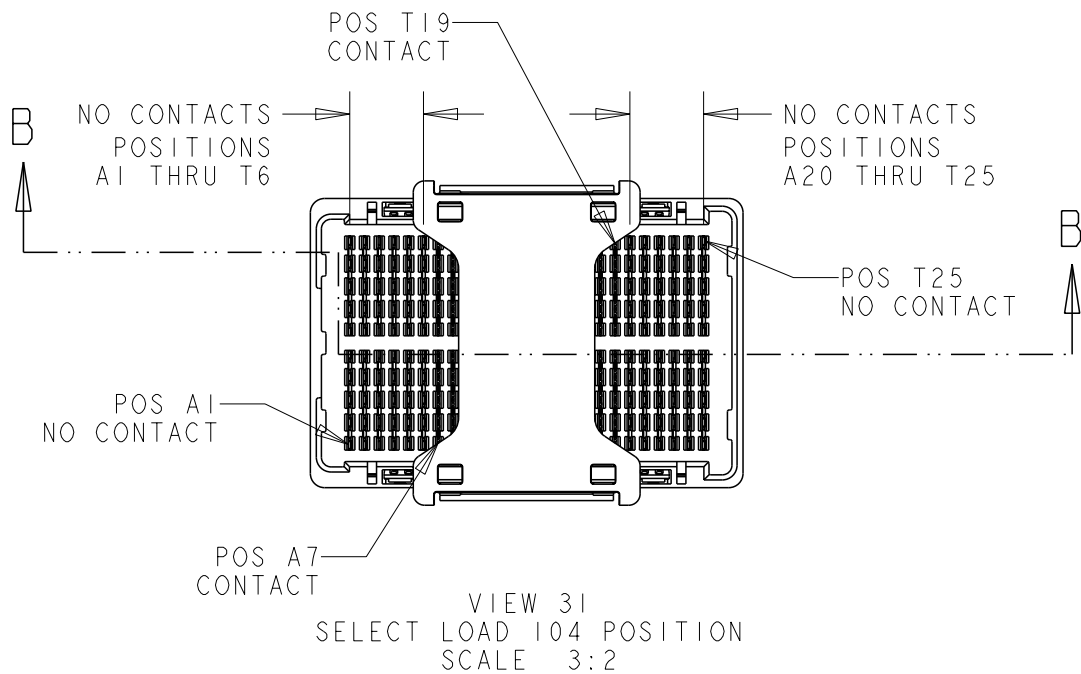
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



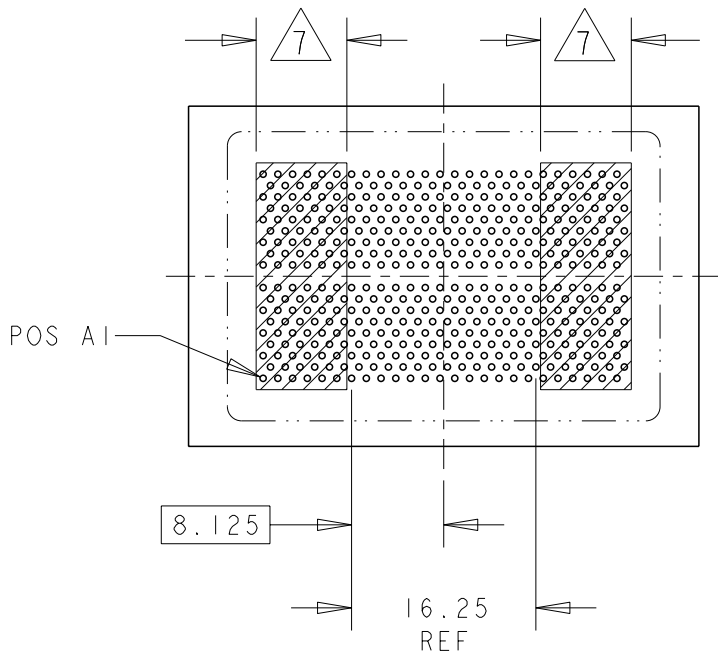
4 5 BOARD PATTERN
SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN P BRANDBERG CHK D WERTZ APVD D WERTZ PRODUCT SPEC 108-2143 APPLICATION SPEC 114-13101 WEIGHT -	17DEC04 05JAN05 05JAN05		 TE Connectivity	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME STEP-Z, PLUG ASSEMBLY, 200 SIGNAL POSITION -				
	0 PLC ±- 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±0.050 4 PLC ±- ANGLES ±2°					
MATERIAL -	FINISH -	SIZE A3		CAGE CODE 00779	DRAWING NO C-1761614	RESTRICTED TO
CUSTOMER DRAWING			SCALE 2:1	SHEET 3 OF 5	REV A7	

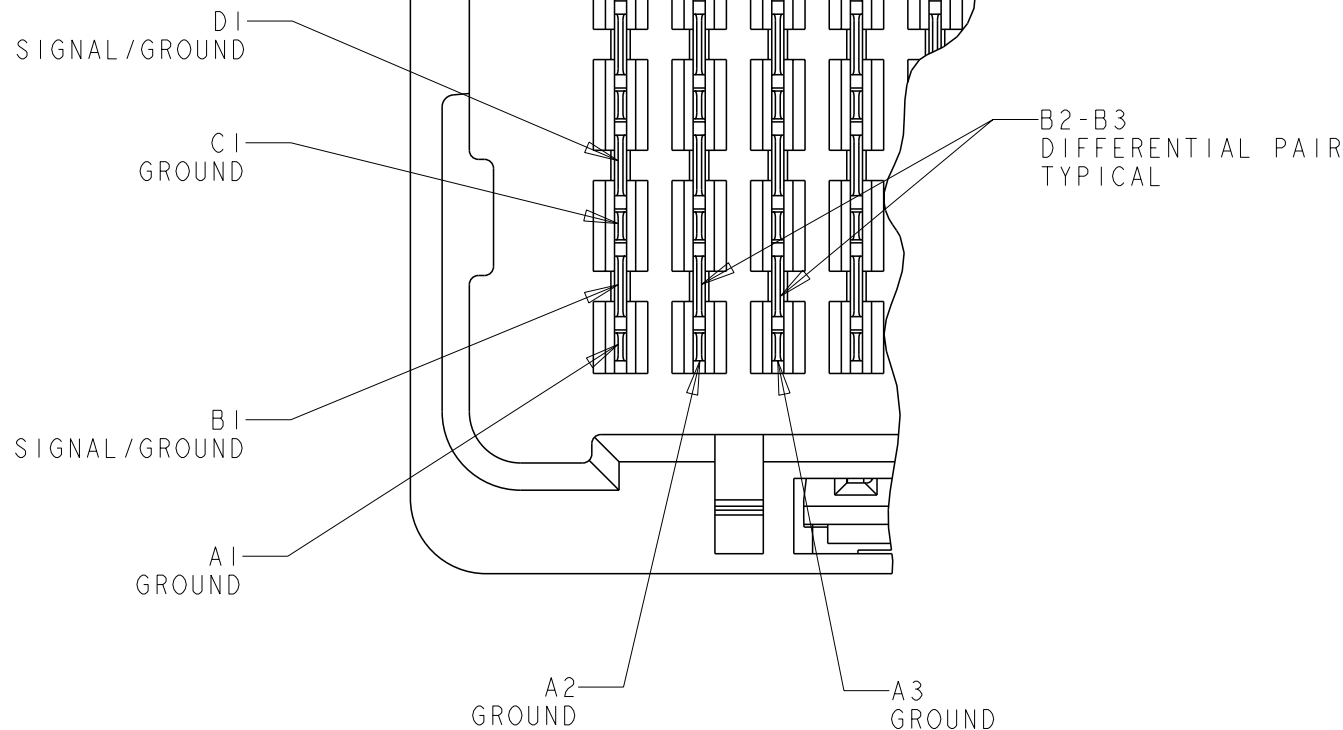
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



SECTION B-B



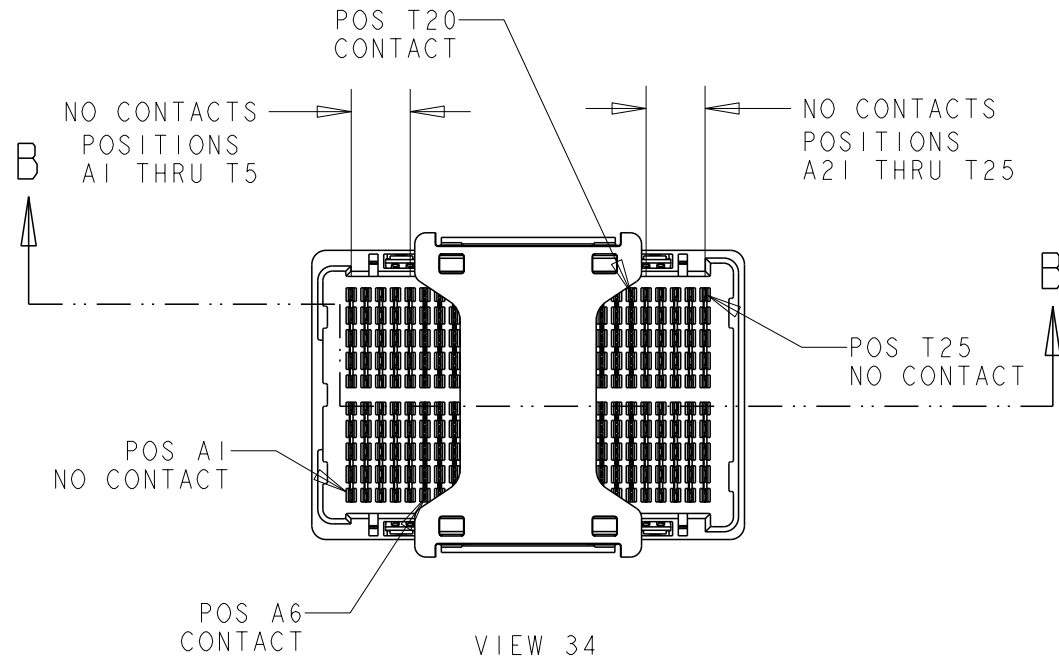
VIEW 31
SELECT LOAD 104 POSITION
BOARD PATTERN
SCALE 3:2



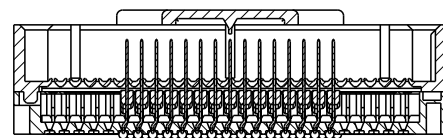
PLUG INTERFACE
SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN P BRANDBERG 17DEC04	TE Connectivity		
		CHK D WERTZ 05JAN05			
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD D WERTZ 05JAN05	NAME STEP-Z, PLUG ASSEMBLY, 200 SIGNAL POSITION		
		PRODUCT SPEC 108-2143			
	0 PLC ± 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±0.050 4 PLC ± ANGLES ±2°	APPLICATION SPEC 114-13101	SIZE A3		
		WEIGHT -			
MATERIAL -	FINISH -	CUSTOMER DRAWING	SCALE 2:1	SHEET 4 OF 5	REV A7

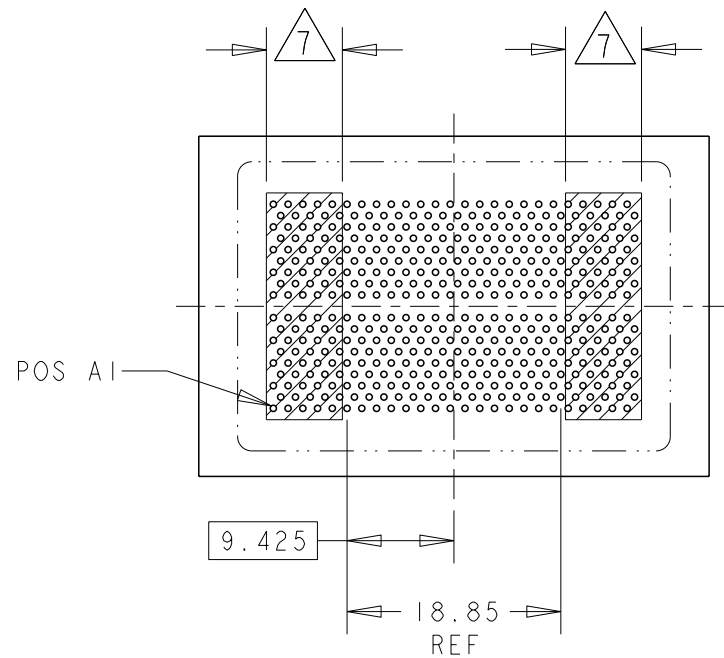
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



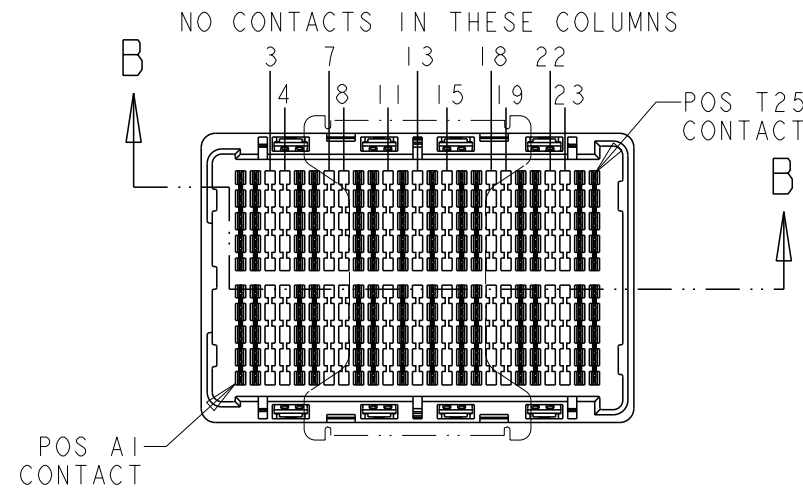
VIEW 34
SELECT LOAD 120 POSITION
SCALE 3:2



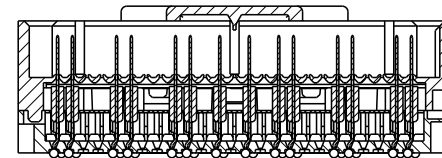
SECTION B - B



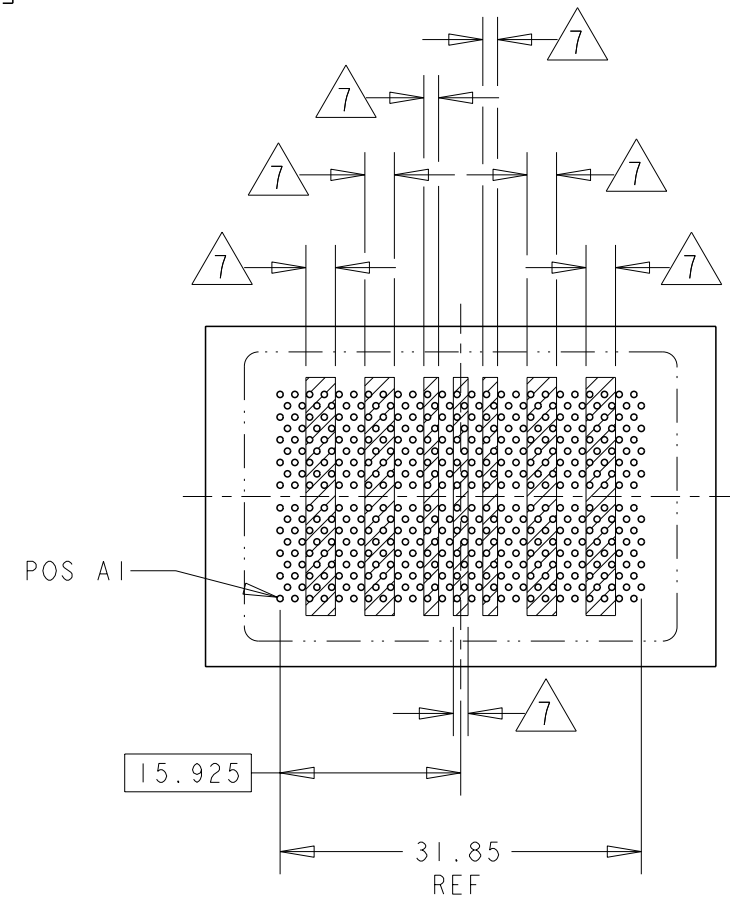
VIEW 34
SELECT LOAD 120 POSITION
BOARD PATTERN
SCALE 3:2



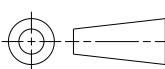
VIEW 35
SELECT LOAD 112 POSITION
SCALE 3:2



SECTION B - B



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN P BRANDBERG 17DEC04		 TE Connectivity							
		CHK D WERTZ 05JAN05									
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME STEP-Z, PLUG ASSEMBLY, 200 SIGNAL POSITION -							
		0 PLC ±- 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±0.050 4 PLC ±- ANGLES ±2°									
MATERIAL -		FINISH -		SIZE A3		CAGE CODE 00779		DRAWING NO C-1761614		RESTRICTED TO	
CUSTOMER DRAWING				WEIGHT -		SCALE 2:1		SHEET 5 OF 5		REV A7	