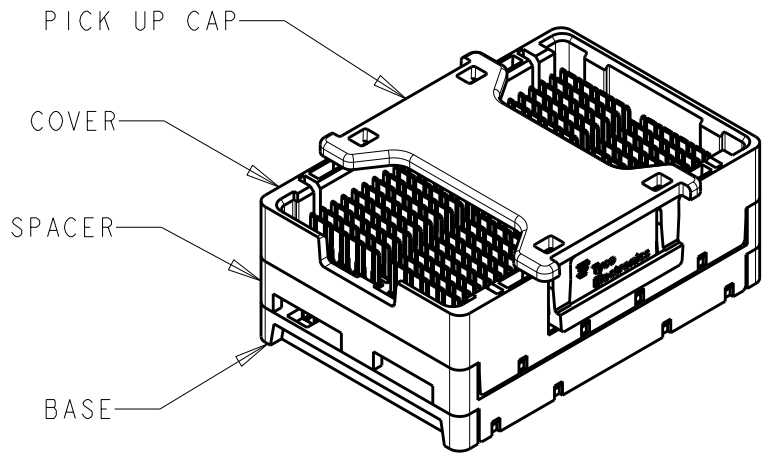
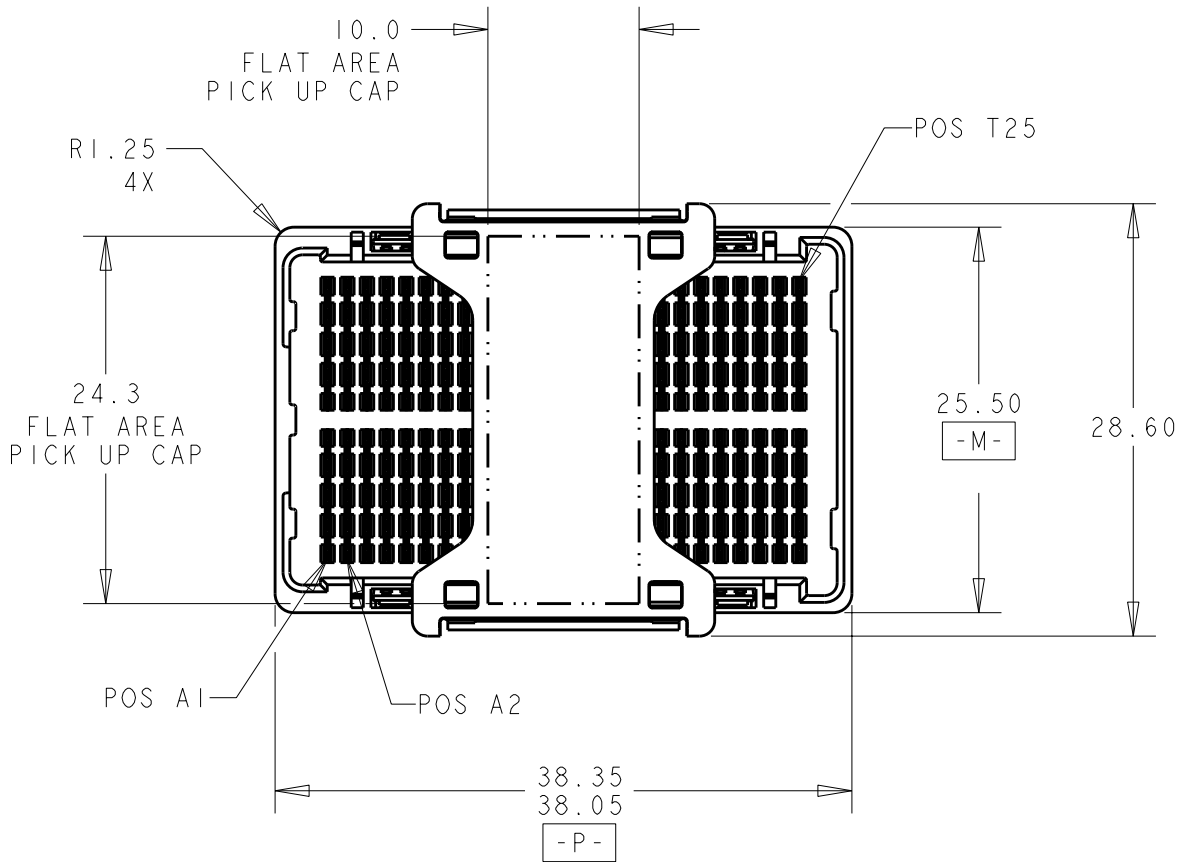
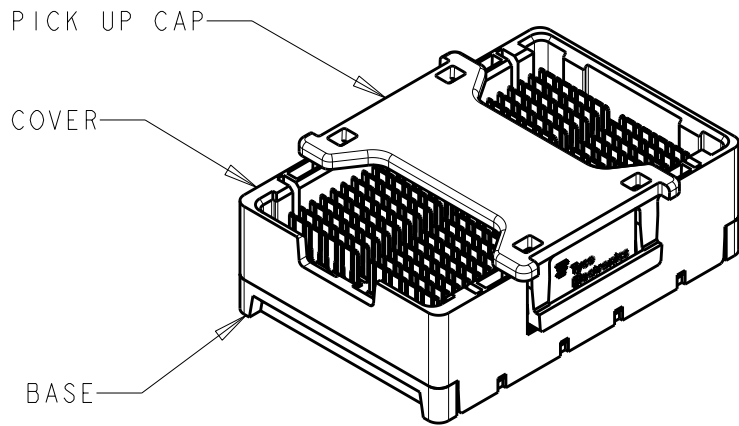
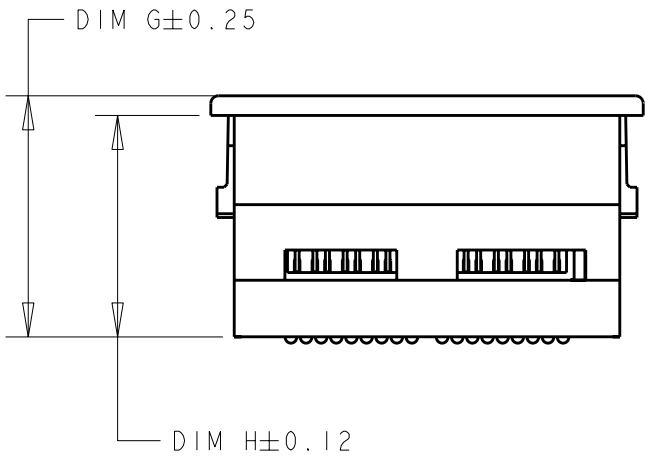
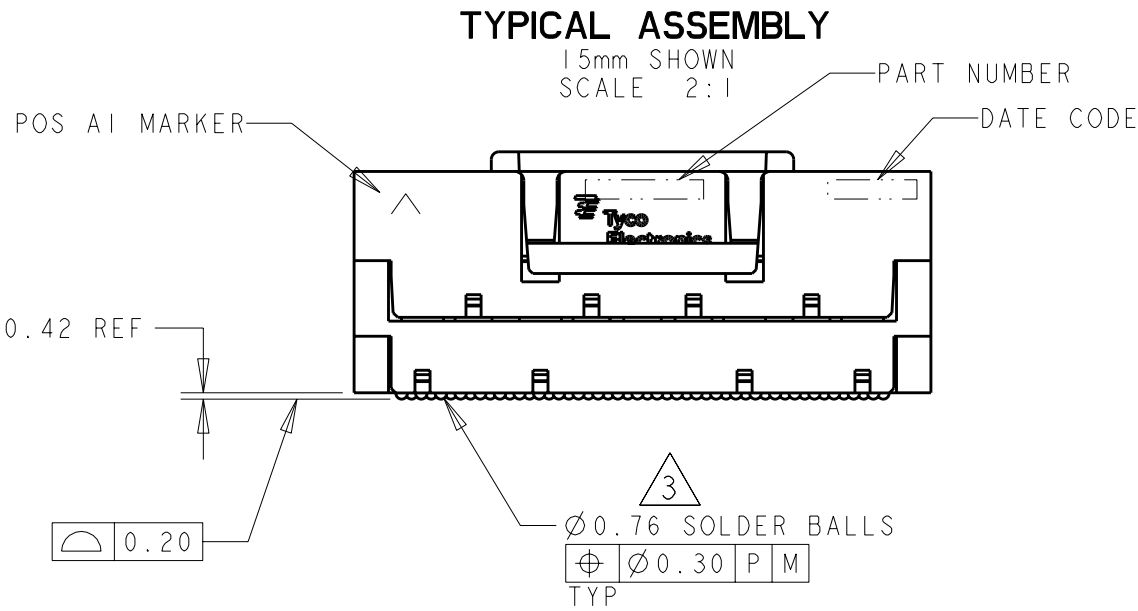


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LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			A6	REVISED PER ECO-11-005139	13MAY2011	RK	HMR



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 P BRANDBERG 17DEC04	 TE Connectivity			
		CHK D WERTZ 05JAN05				
		APVD D WERTZ 05JAN05	NAME STEP-Z, PLUG ASSEMBLY, 200 SIGNAL POSITION			
		PRODUCT SPEC 108-2143				
		APPLICATION SPEC 114-13101				
		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-1761614	RESTRICTED TO -
CUSTOMER DRAWING		SCALE -	SHEET 1	OF 5	REV A6	

4

3

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LOC

DIST

GP

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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.

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

1470-19 (3/11)

1470-19 (3/11)

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1

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DIST

REVISIONS

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LTR

DESCRIPTION

DATE

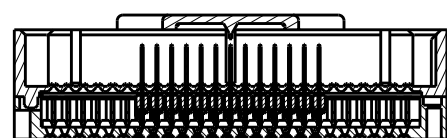
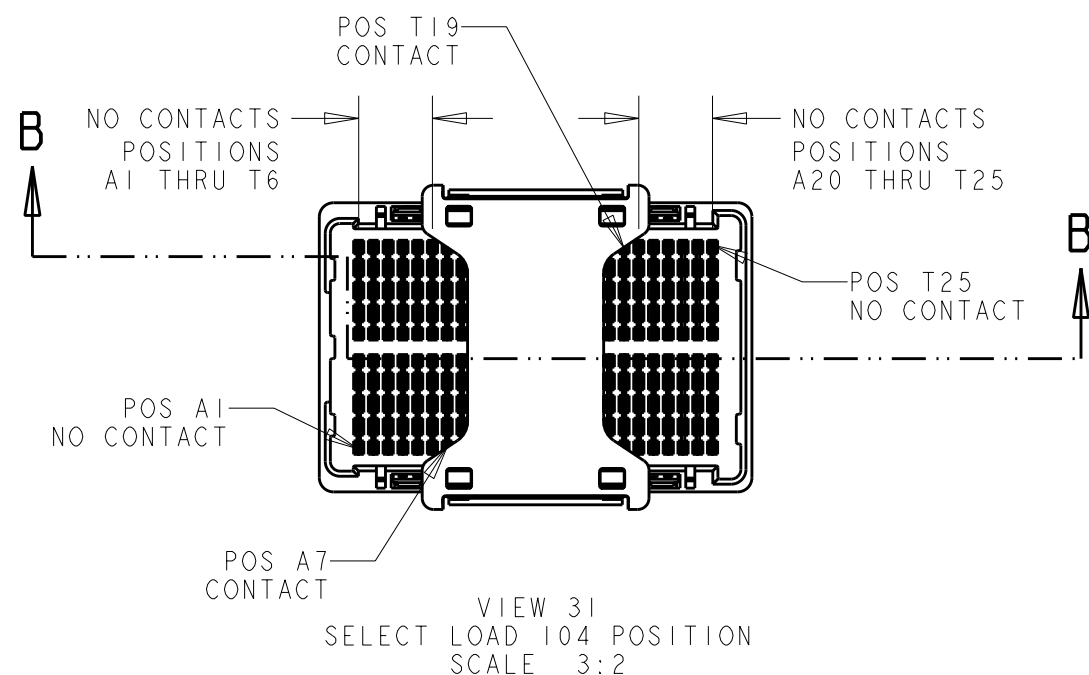
DWN

APVD

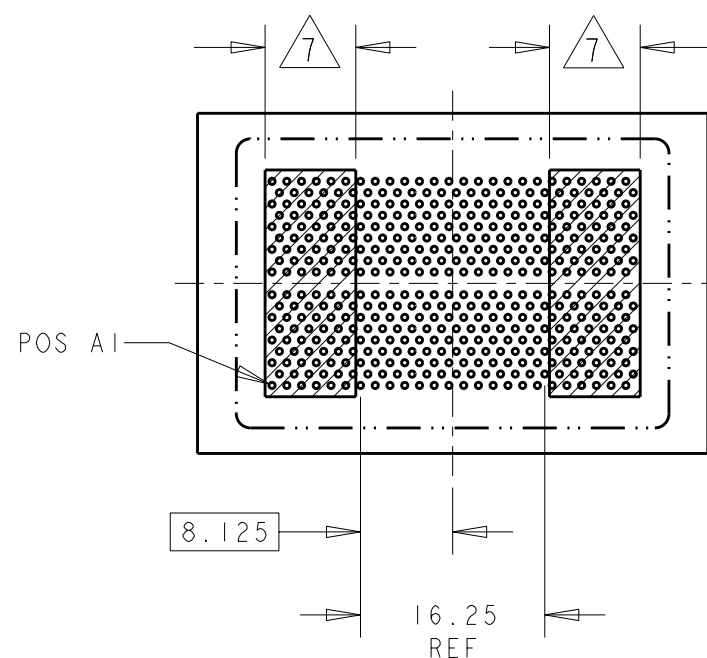
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SEE SHEET 1



SECTION B-B



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

DI
SIGNAL/GROUNDCI
GROUNDBI
SIGNAL/GROUNDAI
GROUNDB2-B3
DIFFERENTIAL PAIR
TYPICALA2
GROUNDA3
GROUND

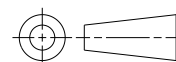
PLUG INTERFACE

SCALE 8:1

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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

4

OF

5

REV

A6

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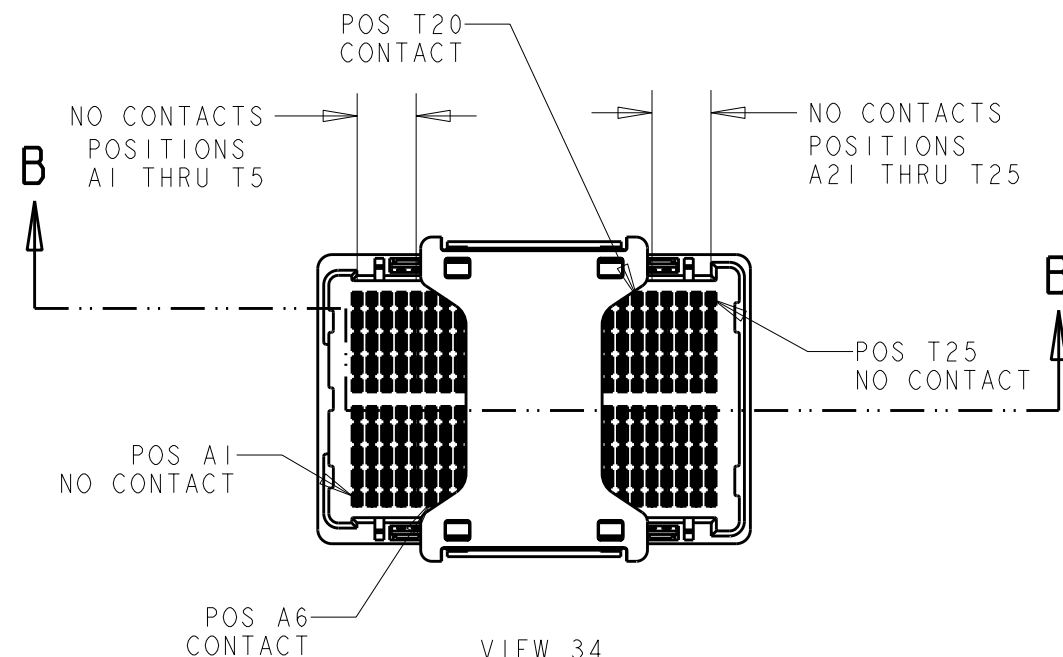
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LOC
GP

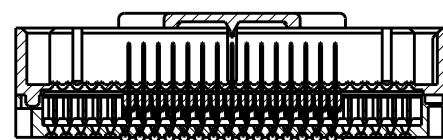
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REVISIONS

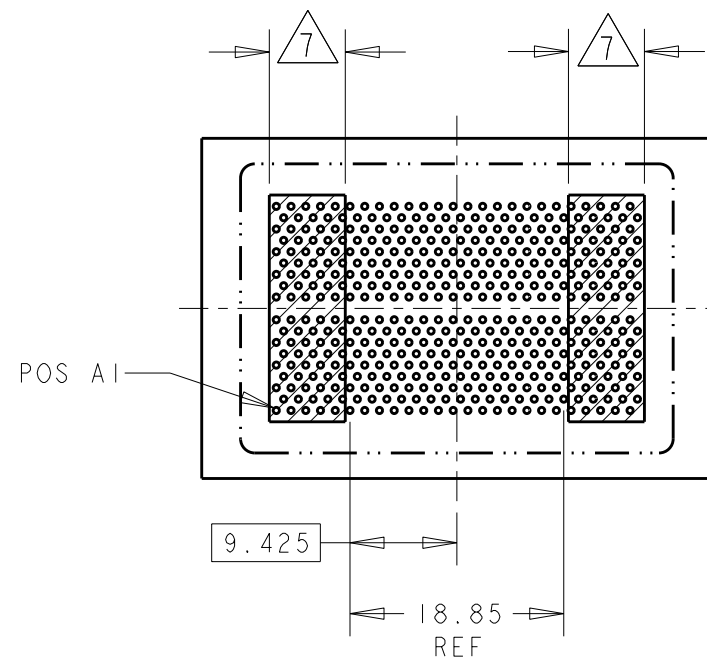
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



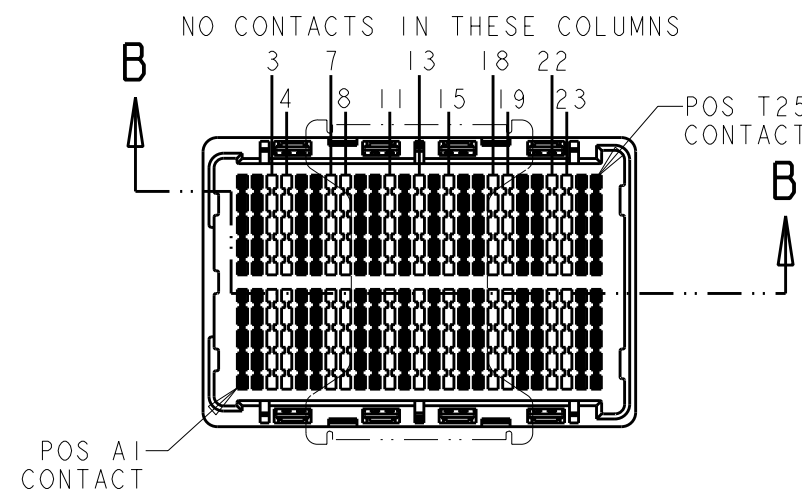
VIEW 34
SELECT LOAD 120 POSITION
SCALE 3:2



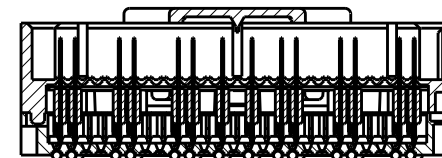
SECTION B-B



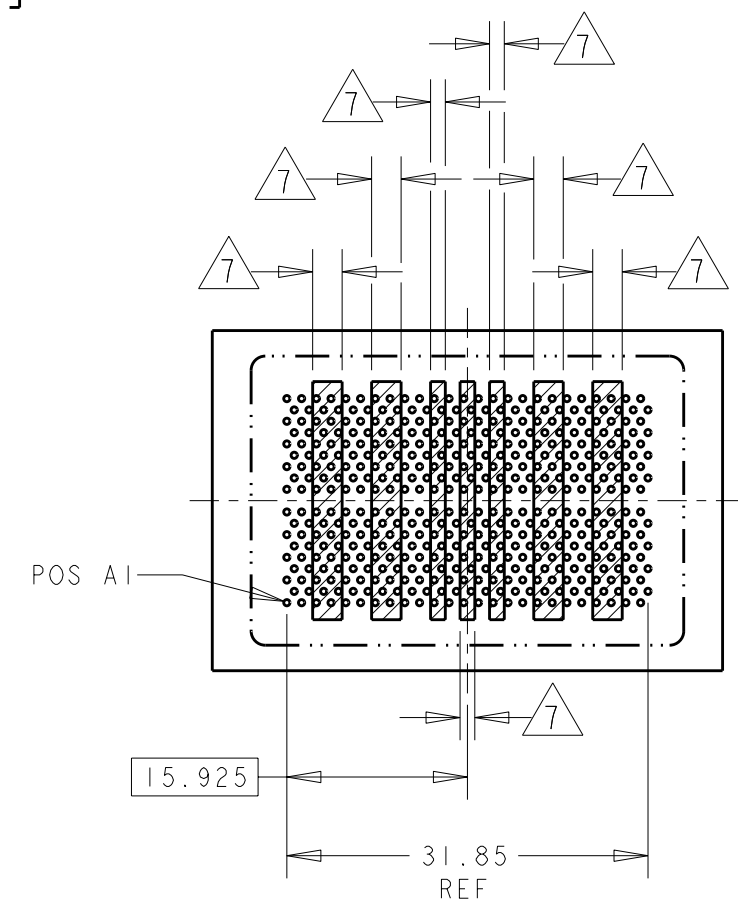
VIEW 34
SELECT LOAD 120 POSITION
BOARD PATTERN
SCALE 3:2



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 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: 0 PLC ±- 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±0.050 4 PLC ±- ANGLES ±2°		NAME STEP-Z, PLUG ASSEMBLY, 200 SIGNAL POSITION					
MATERIAL -		FINISH -		CUSTOMER DRAWING		SIZE A3	CAGE CODE 00779	DRAWING NO C-1761614	RESTRICTED TO -
				SCALE -		SHEET 5		OF 5	REV A6