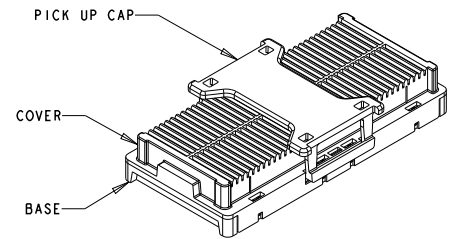
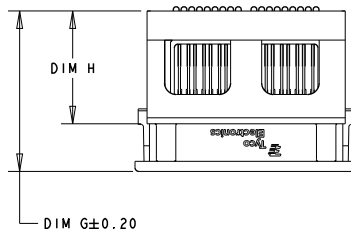
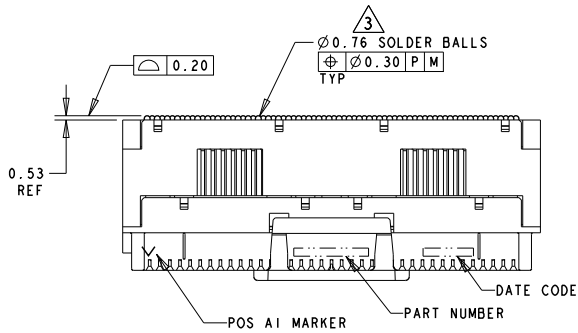


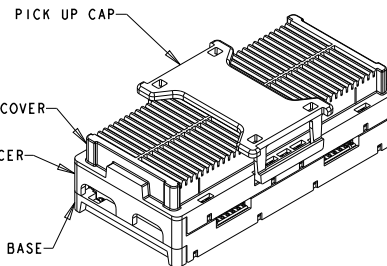
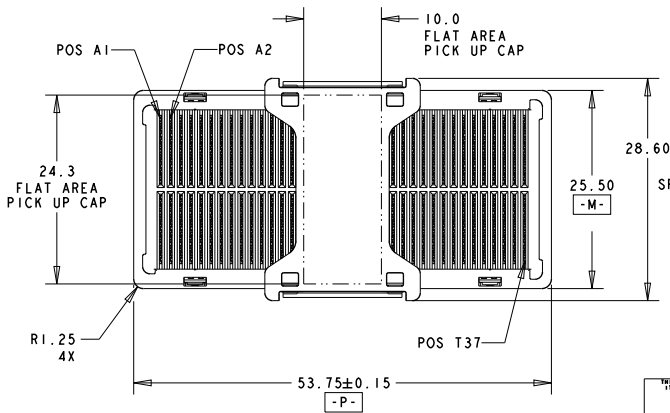
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
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2	1				
		B4	REVISED PER ECR-10-013879	01JUL2010	SYJ LSF

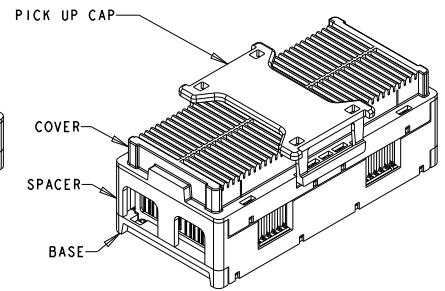


**TYPICAL ASSEMBLY**  
 15mm SHOWN  
 SCALE 2:1

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

<small>THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION                  IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION                  SHOULD BE CONTACTED FOR THE LATEST REVISION.</small>		DWN P BRANDBERG 11JAN05 CHK D WERTZ 12JAN05 APVD D WERTZ 12JAN05	Tyco Electronics Singapore
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±0.050 4 PLC ± ANGLES ±°	NAME STEP-Z RECEPTACLE ASSEMBLY, 296 SIGNAL POSITION PRODUCT SPEC 108-2143 APPLICATION SPEC 114-13101 WEIGHT CUSTOMER DRAWING
MATERIAL 1 FINISH 2		SIZE A3 CAGE CODE 00779 DRAWING NO C-1761617	RESTRICTED TO SCALE - SHEET 1 OF 4 REV B4

AMP 1470-19 REV 31MAR2000

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3

2

1

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LOC	DIST	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 1761617-1 THRU 5-1761617-0  
 Sn/Ag FOR P/N 5-1761617-1 THRU 9-1761617-9
- 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,O, 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.

14.51	20.65	-	15mm Sn/Ag	6-1761617-5
10.51	16.65	-	11mm Sn/Ag	6-1761617-1
4.51	10.65	-	5mm Sn/Ag	5-1761617-5
14.51	20.65	-	15mm Sn/Pb	1-1761617-5
10.51	16.65	-	11mm Sn/Pb	1-1761617-1
4.51	10.65	-	5mm Sn/Pb	1761617-5
DIM H	DIM G	LOAD STYLE	DESCRIPTION	PART NUMBER

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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°	NAME STEP-Z RECEPTACLE ASSEMBLY, 296 SIGNAL POSITION PRODUCT SPEC - APPLICATION SPEC - WEIGHT -	SIZE CAGE CODE DRAWING NO RESTRICTED TO A3 00779 C-1761617 -
MATERIAL -	FINISH -	CUSTOMER DRAWING SCALE - SHEET 2 OF 4 REV B4	

4

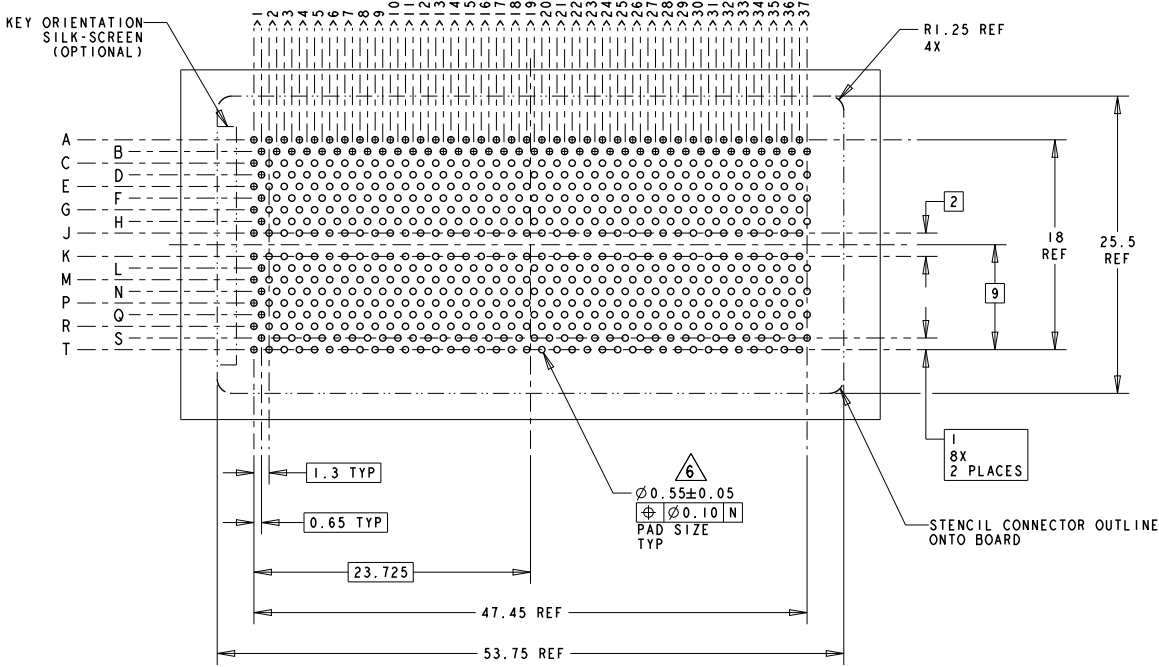
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DY	-	SEE SHEET 1	-	-	-



**4 5 BOARD PATTERN**  
 SCALE 3:1

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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 11 JAN 05		NAME <b>STEP-Z RECEPTACLE ASSEMBLY,          296 SIGNAL POSITION</b>	RESTRICTED TO
CHK D WERTZ 12 JAN 05			
APVD D WERTZ 12 JAN 05	SIZE A3	CAGE CODE 00779	DRAWING NO C-1761617
PRODUCT SPEC -	APPLICATION SPEC -	WEIGHT -	CUSTOMER DRAWING
SCALE -		SHEET 3 OF 4	REV B4

4

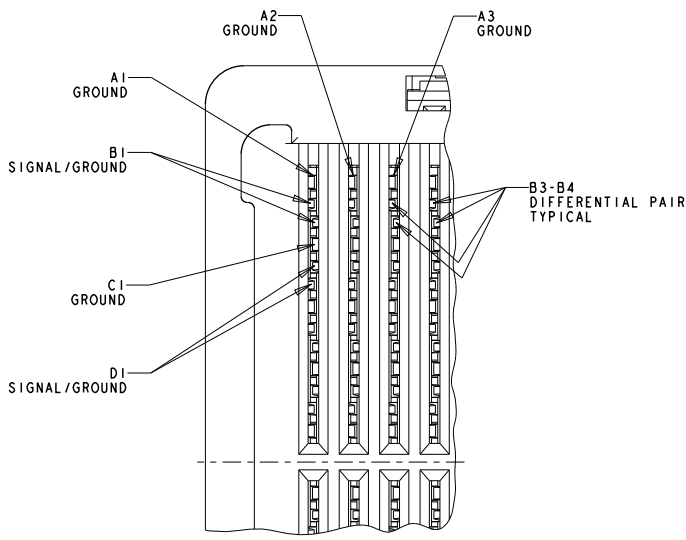
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DY	-	SEE SHEET 1	-	-	-



RECEPTACLE 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°	NAME STEP-Z RECEPTACLE ASSEMBLY, 296 SIGNAL POSITION PRODUCT SPEC - APPLICATION SPEC - WEIGHT -	SIZE A3 CAGE CODE 00779 DRAWING NO C-1761617 RESTRICTED TO -
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE - SHEET 4 OF 4 REV B4

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