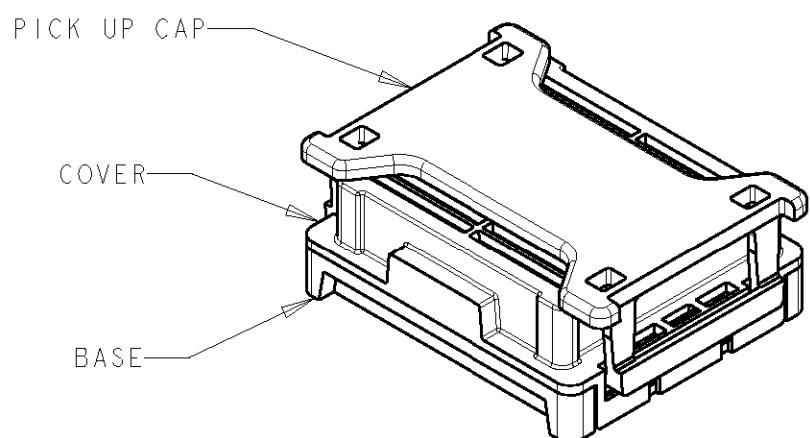
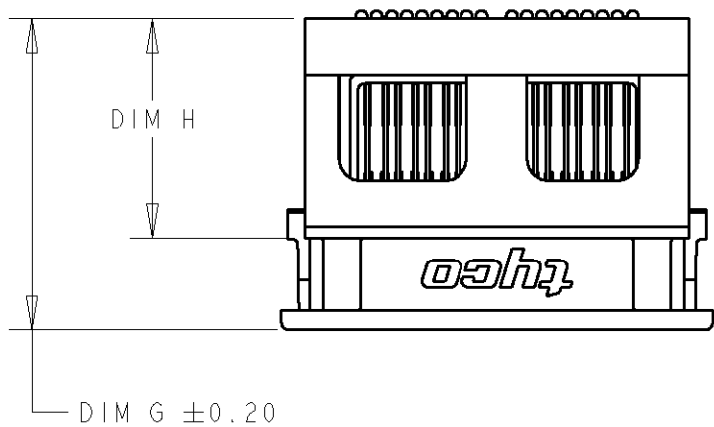
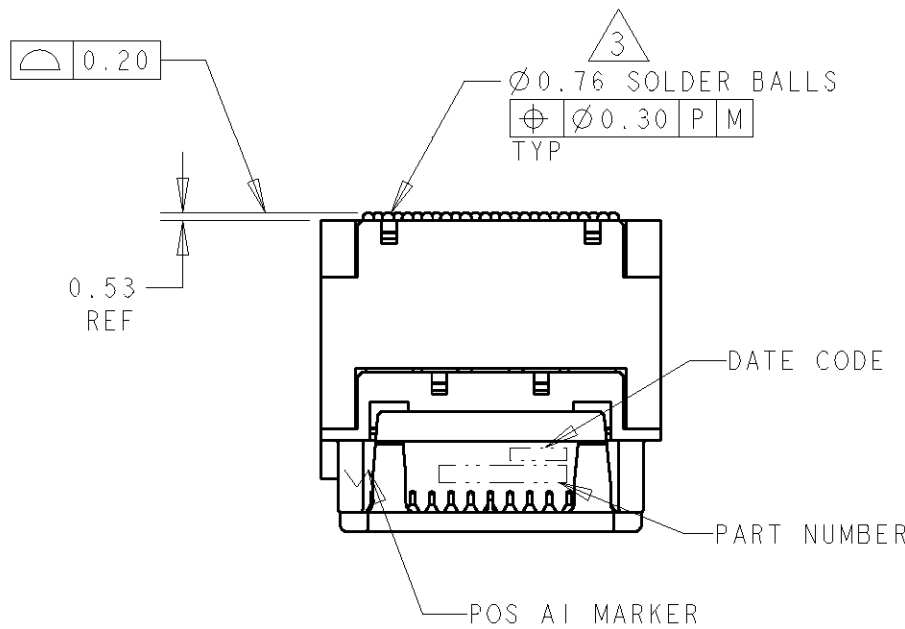
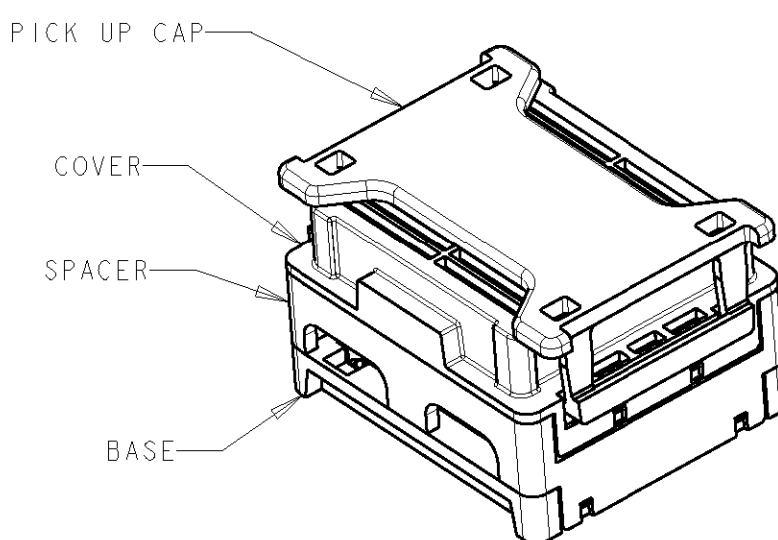
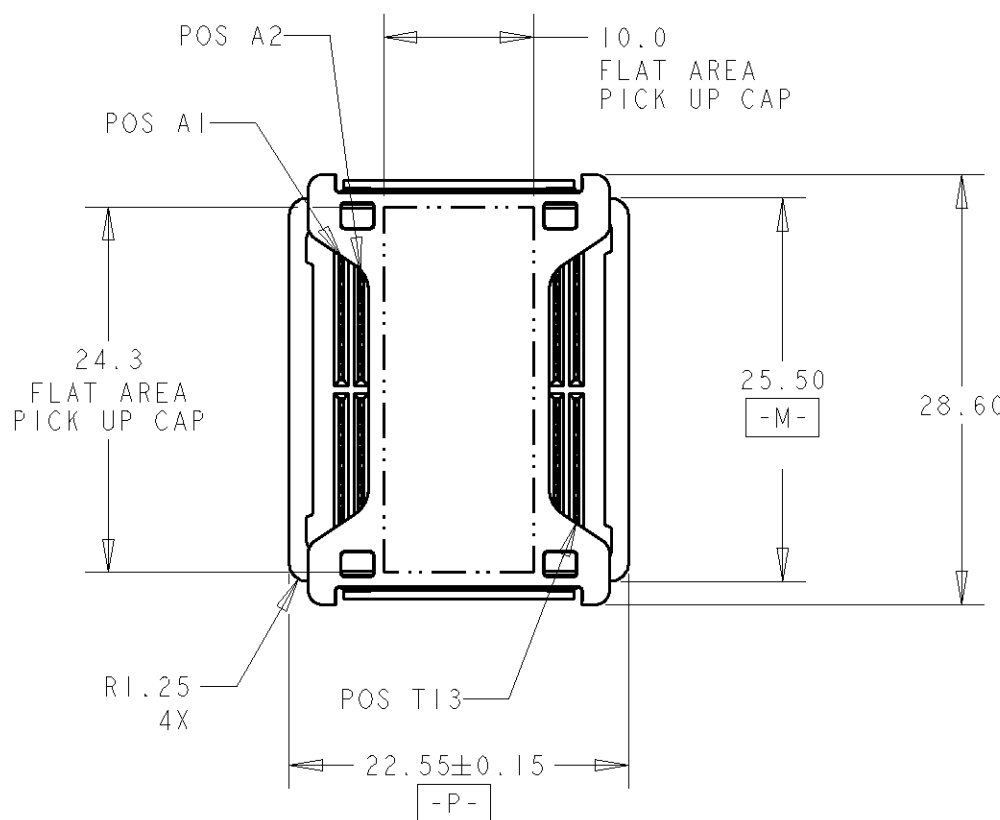


LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN APVD
GP	00		A	RELEASED PER ECO-05-015609	03JAN2006	BEC DD
			A1	REV PER ECO-06-012257	05JUN2006	BC DD
			A2	REV PER ECO-07-020814	05SEP2007	BC DD

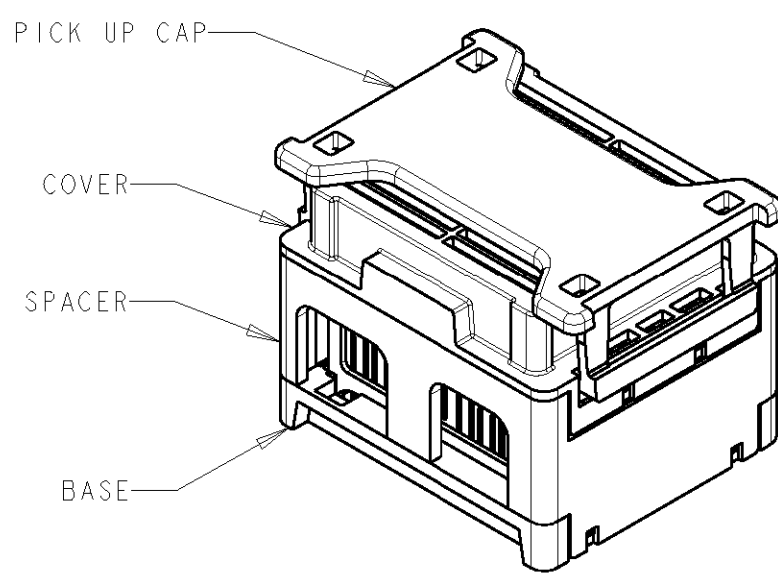


TYPICAL ASSEMBLY
15mm SHOWN
SCALE 2:1

ISOMETRIC VIEW
TYPICAL CONFIGURATION
FOR 5mm ASSEMBLY
SCALE 2:1



ISOMETRIC VIEW
TYPICAL CONFIGURATION
FOR 11mm ASSEMBLY
SCALE 2:1



ISOMETRIC VIEW
TYPICAL CONFIGURATION
FOR 15mm ASSEMBLY
SCALE 2:1

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.		DWN P BRANDBERG 19JAN05	Tyco Electronics Harrisburg, PA 17105-3608	
		CHK D WERTZ 20JAN05		
		APVD D WERTZ 20JAN05	NAME STEP-Z, RECEPTACLE ASSEMBLY, 104 SIGNAL POSITION	
DIMENSIONS: mm		PRODUCT SPEC 108-2143		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC 114-13101	SIZE A3	
MATERIAL		WEIGHT -		
FINISH		CUSTOMER DRAWING	CAGE CODE 000779	
			DRAWING NO C-1761613	
			RESTRICTED TO -	
			SCALE -	
			SHEET 1 OF 3	
			REV A2	

LOC	DIST	REVISIONS					
GP	00	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 1761615-1 THRU 5-1761615-0
Sn/Ag FOR P/N 5-1761615-1 THRU 9-1761615-9

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]).

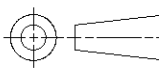
5 CONTACTS IN ROWS B,D,F,H,L,N,Q, AND S
ARE DUAL BEAM CONTACTS,
TYPICALLY USED AS SIGNAL PINS.

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.

14.51	20.65	-	15mm Sn/Ag	6-1761613-5
10.51	16.65	-	11mm Sn/Ag	6-1761613-1
4.51	10.65	-	5mm Sn/Ag	5-1761613-5
14.51	20.65	-	15mm Sn/Pb	1-1761613-5
10.51	16.65	-	11mm Sn/Pb	1-1761613-1
4.51	10.65	-	5mm Sn/Pb	1761613-5
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°

MATERIAL -

FINISH -

DWN 19JAN05
P BRANDBERG
CHK 20JAN05
D WERTZ
APVD 20JAN05
D WERTZ

PRODUCT SPEC
-
APPLICATION SPEC
-
WEIGHT -

CUSTOMER DRAWING

Tyco Electronics
Harrisburg, PA 17105-3608

NAME
STEP-Z, RECEPTACLE ASSEMBLY,
104 SIGNAL POSITION
-

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-1761613

RESTRICTED TO
-

SCALE -

SHEET 2 OF 3

REV A2

AMP 1470-19 REV 31MAR2000

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RELEASED FOR PUBLICATION

20

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

KEY ORIENTATION
SILK SCREEN
(OPTIONAL)

-N-

R1.25 REF
4XA
B
C
D
E
F
G
H
J
K
L
M
N
P
Q
R
S
T

18 REF

25.5 REF

1
8X
2 PLACESSTENCIL CONNECTOR
OUTLINE ONTO
BOARD

6
 $\varnothing 0.55 \pm 0.05$
 $\varnothing 0.10$ N
PAD SIZE
TYP

1.3
TYP0.65
TYP

8.125

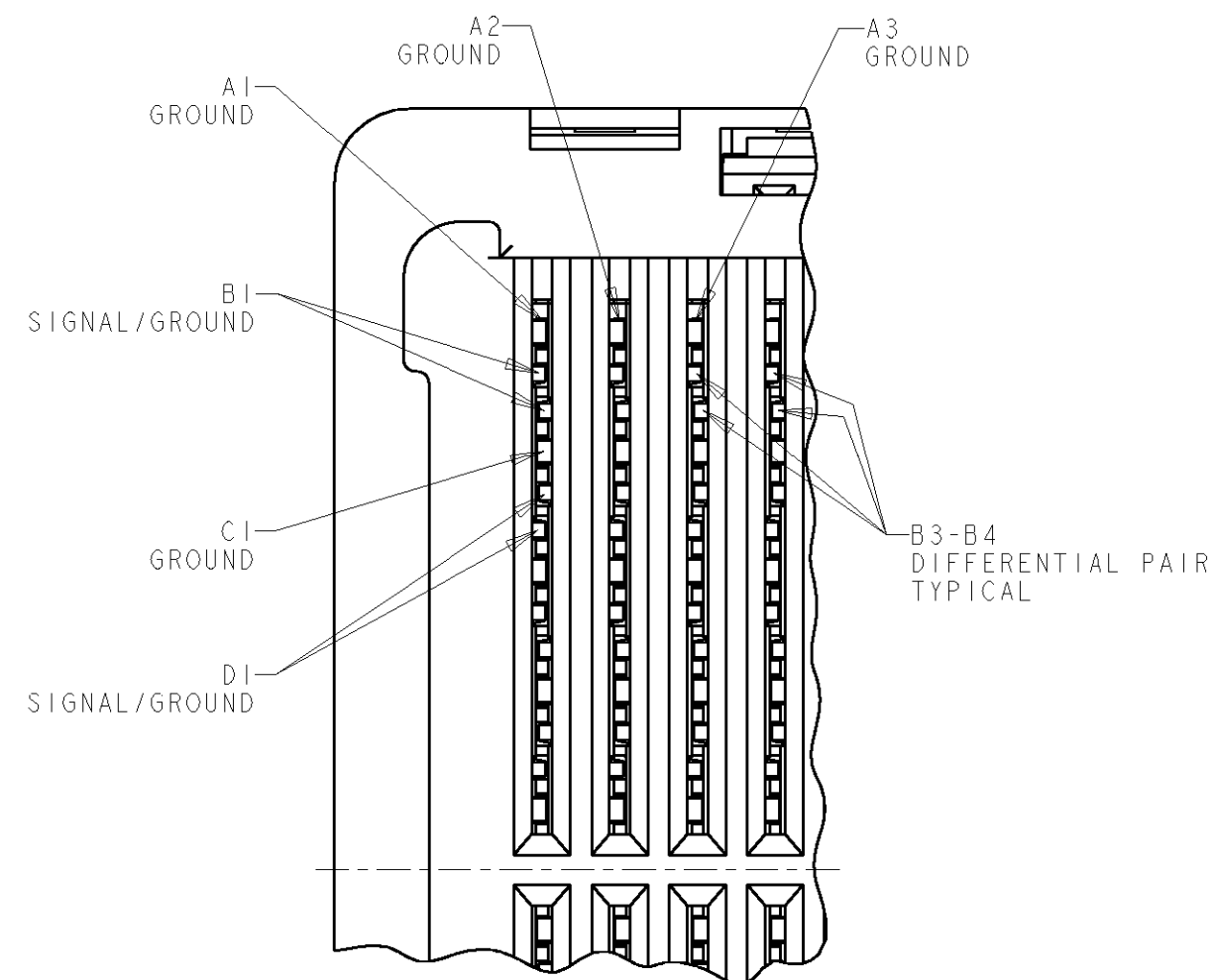
16.25 REF

22.55 REF

4 5

BOARD PATTERN

SCALE 3:1



RECEPTACLE INTERFACE

SCALE 8:1

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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	19JAN05
CHK	D WERTZ	20JAN05
APVD	D WERTZ	20JAN05
PRODUCT SPEC		
-		
APPLICATION SPEC		
-		
WEIGHT		
-		
CUSTOMER DRAWING		

Tyco Electronics

Tyco Electronics
Harrisburg, PA 17105-3608

NAME					STEP-Z, RECEPTACLE ASSEMBLY, 104 SIGNAL POSITION -				
SIZE		CAGE CODE		DRAWING NO			RESTRICTED TO		
A3		00779		C-1761613			-		
SCALE				SHEET		OF		REV	
-				3		3		A2	