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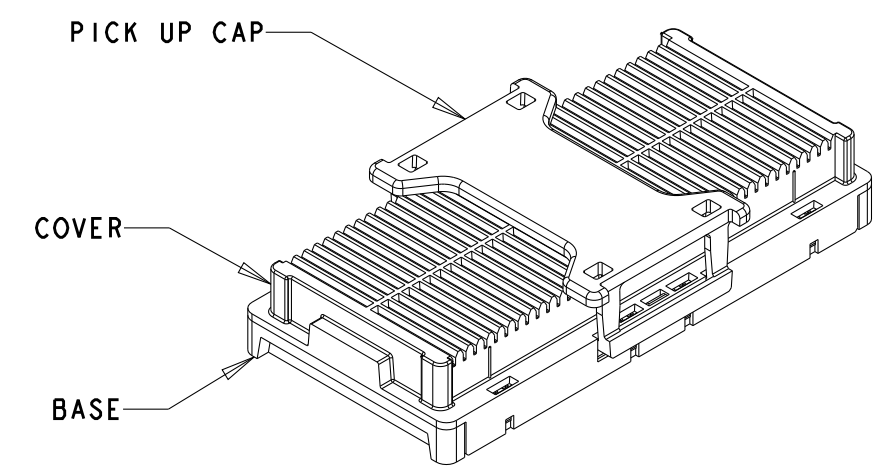
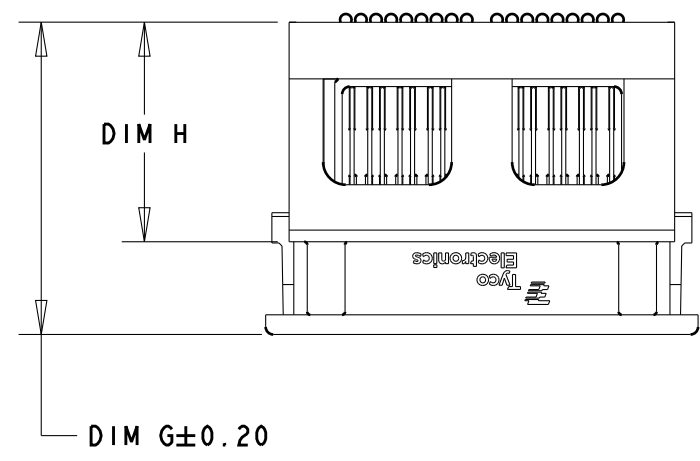
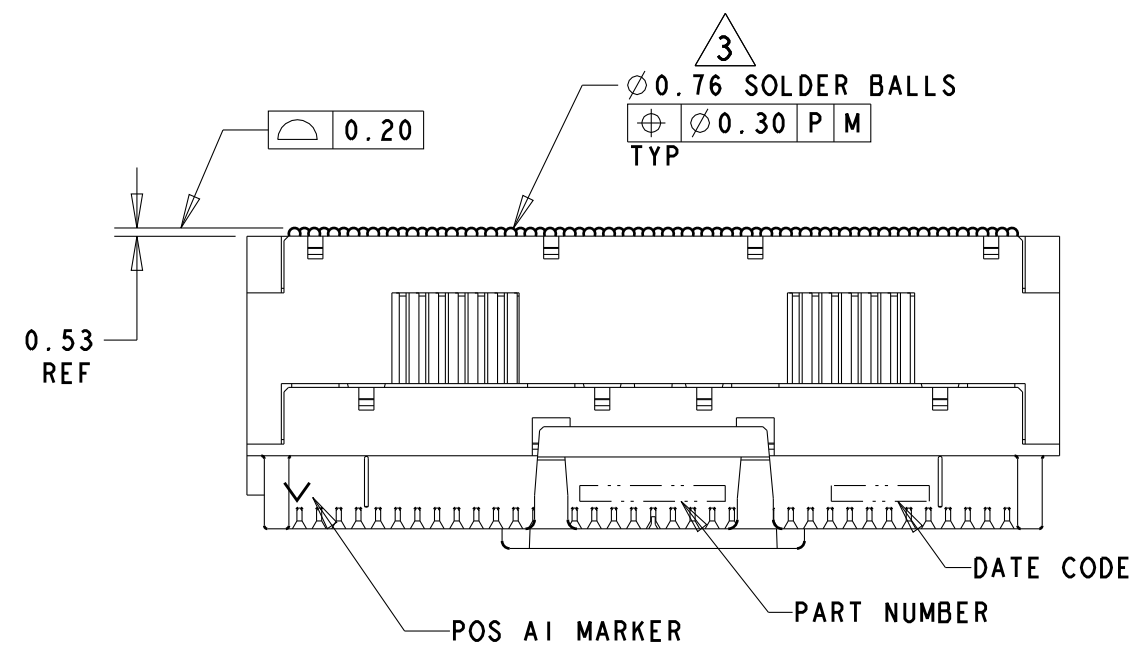
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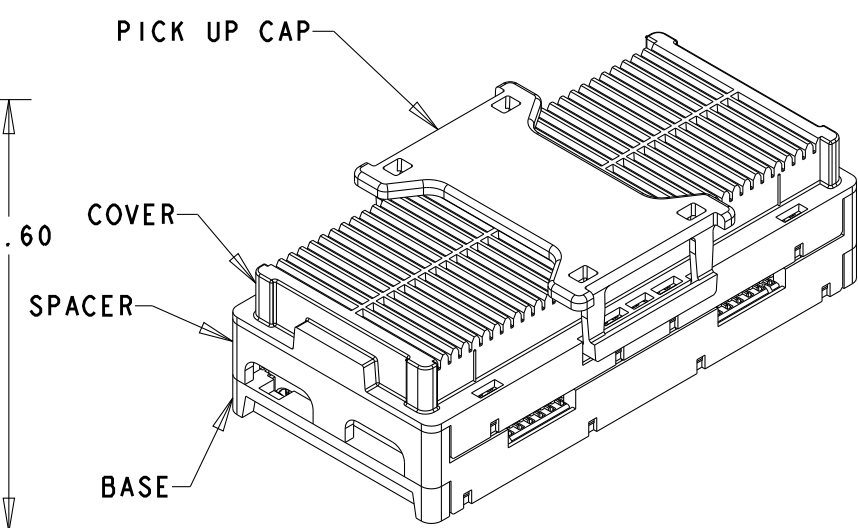
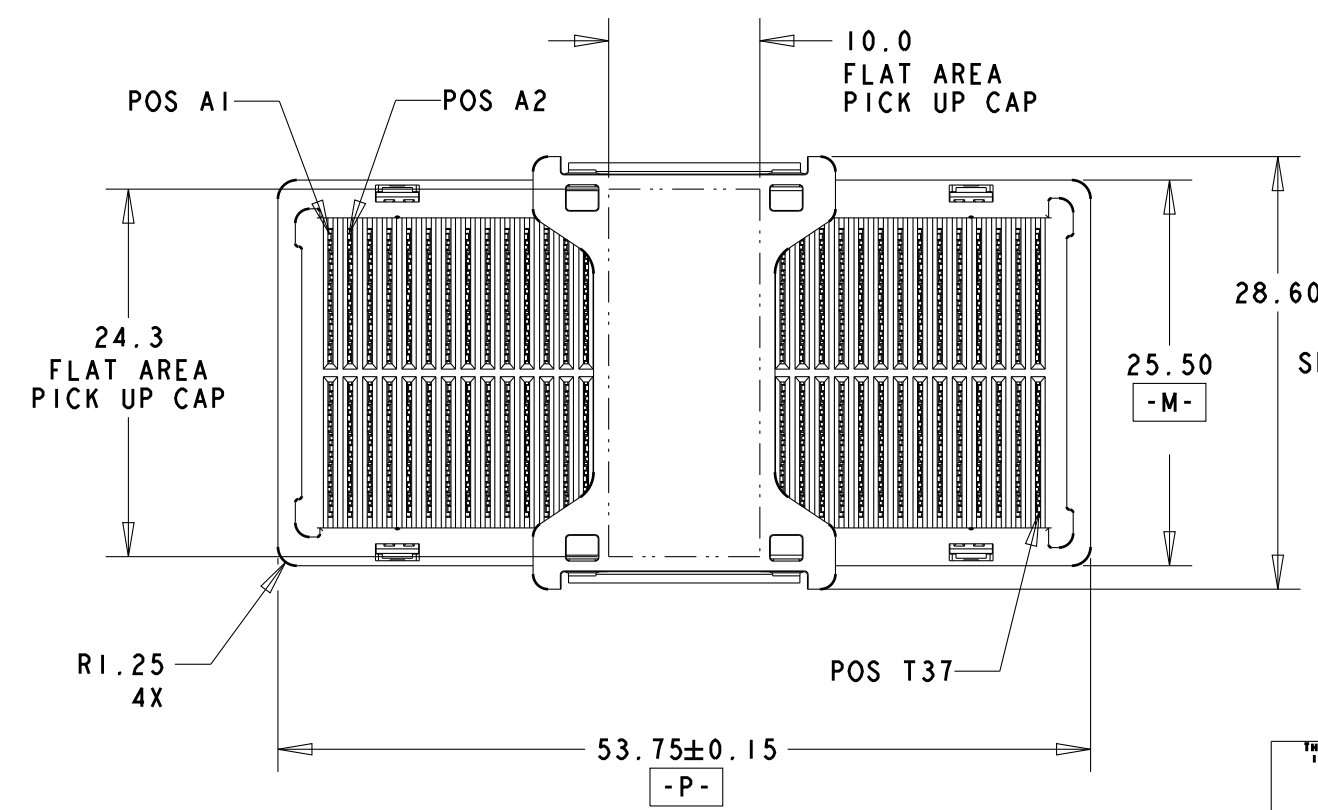
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20
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LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN APVD
DY	-		B4	REVISED PER ECR-10-013879	01JUL2010	SYJ LSF

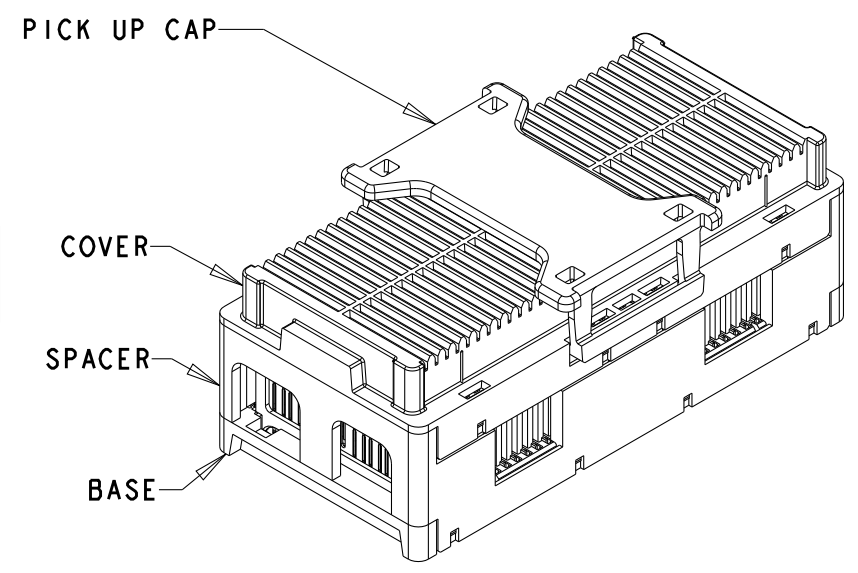


TYPICAL ASSEMBLY
15mm SHOWN
SCALE 2:1

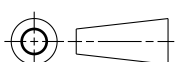
ISOMETRIC VIEW
TYPICAL CONFIGURATION
FOR 5mm ASSEMBLY
SCALE 3:2



ISOMETRIC VIEW
TYPICAL CONFIGURATION
FOR 11mm ASSEMBLY
SCALE 3:2



ISOMETRIC VIEW
TYPICAL CONFIGURATION
FOR 15mm ASSEMBLY
SCALE 3:2

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 11 JAN 05		 Tyco Electronics Singapore	
DIMENSIONS: mm		CHK D WERTZ 12 JAN 05			
		APVD D WERTZ 12 JAN 05		NAME STEP-Z RECEPTACLE ASSEMBLY, 296 SIGNAL POSITION -	
		PRODUCT SPEC 108-2143			
		APPLICATION SPEC 114-13101		SIZE A3	
		WEIGHT		CAGE CODE 00779	
MATERIAL		FINISH		DRAWING NO C-1761617	
				RESTRICTED TO -	
CUSTOMER DRAWING				SCALE -	SHEET 1 OF 4
				REV B4	

LOC DY	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]).

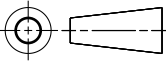
5 CONTACTS IN ROWS B,D,F,H,L,N,O, AND S
ARE DUAL BEAM CONTACTS,
TYPICALLY USED AS SIGNAL PINS.

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°
FINISH -

MATERIAL -

DWN P BRANDBERG 11 JAN05
CHK D WERTZ 12 JAN05
APVD D WERTZ 12 JAN05
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

 Tyco Electronics
Singapore

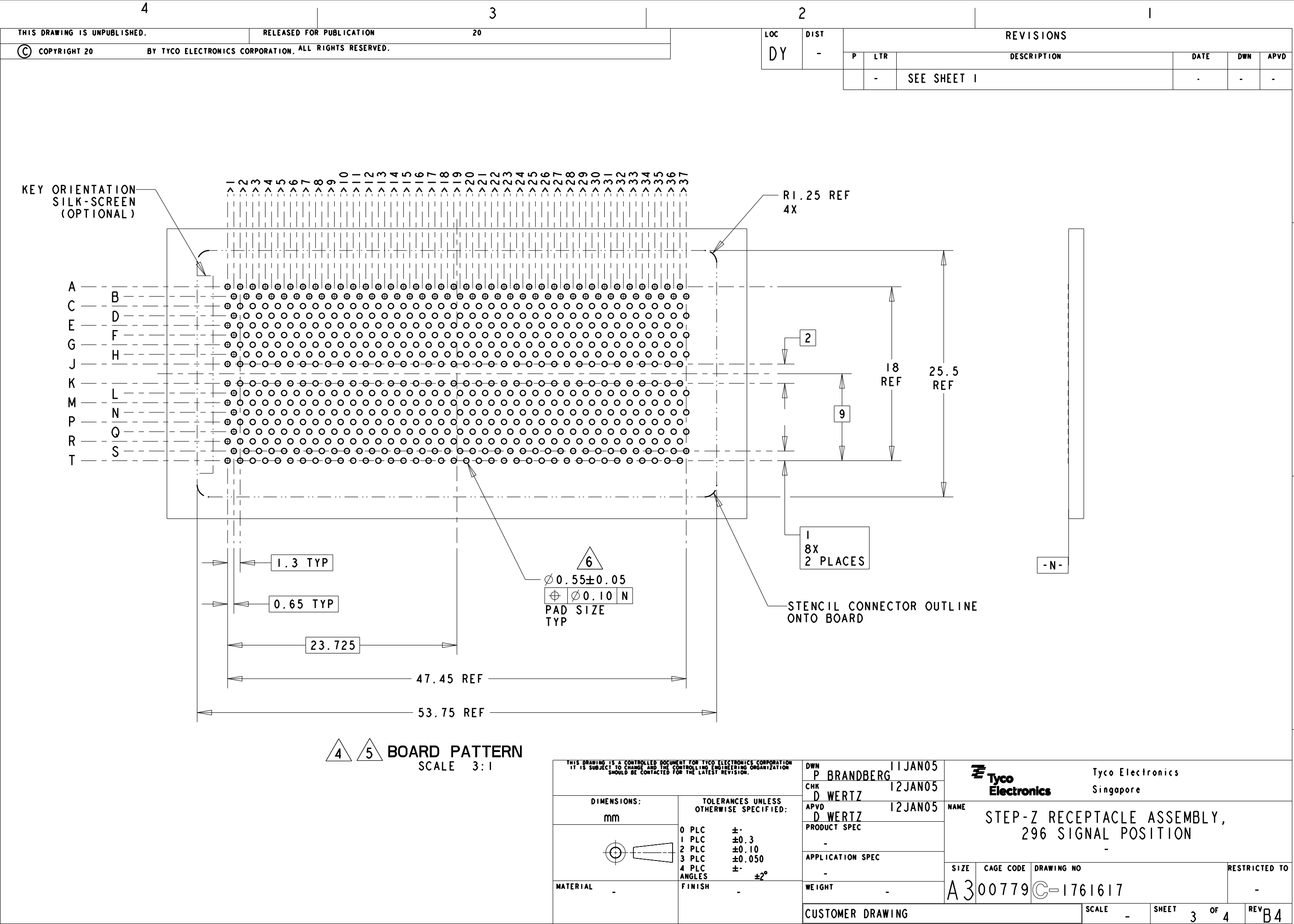
NAME STEP-Z RECEPTACLE ASSEMBLY,
296 SIGNAL POSITION
-

SIZE CAGE CODE DRAWING NO RESTRICTED TO
A300779C-1761617 -

CUSTOMER DRAWING

SCALE - SHEET 2 OF 4 REV B4

AMP 1470-19 REV 31MAR2000



KEY ORIENTATION
SILK-SCREEN
(OPTIONAL)

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A

B

C

D

E

F

G

H

J

K

L

M

N

P

Q

R

S

T

RI .25 REF
4X

2

18 REF

25.5 REF

9

1
8X
2 PLACES

STENCIL CONNECTOR OUTLINE
ONTO BOARD

- N -

1.3 TYP

0.65 TYP

23.725

47.45 REF

53.75 REF

6

$\varnothing 0.55 \pm 0.05$

$\varnothing 0.10$

N

PAD SIZE
TYP

4

5

BOARD PATTERN

SCALE 3:1

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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°

FINISH -

MATERIAL -

DWN
P BRANDBERG
11 JAN05

CHK
D WERTZ
12 JAN05

APVD
D WERTZ
12 JAN05

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

Tyco Electronics
Singapore

NAME
STEP-Z RECEPTACLE ASSEMBLY,
296 SIGNAL POSITION
-

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-1761617

RESTRICTED TO
-

SCALE
-

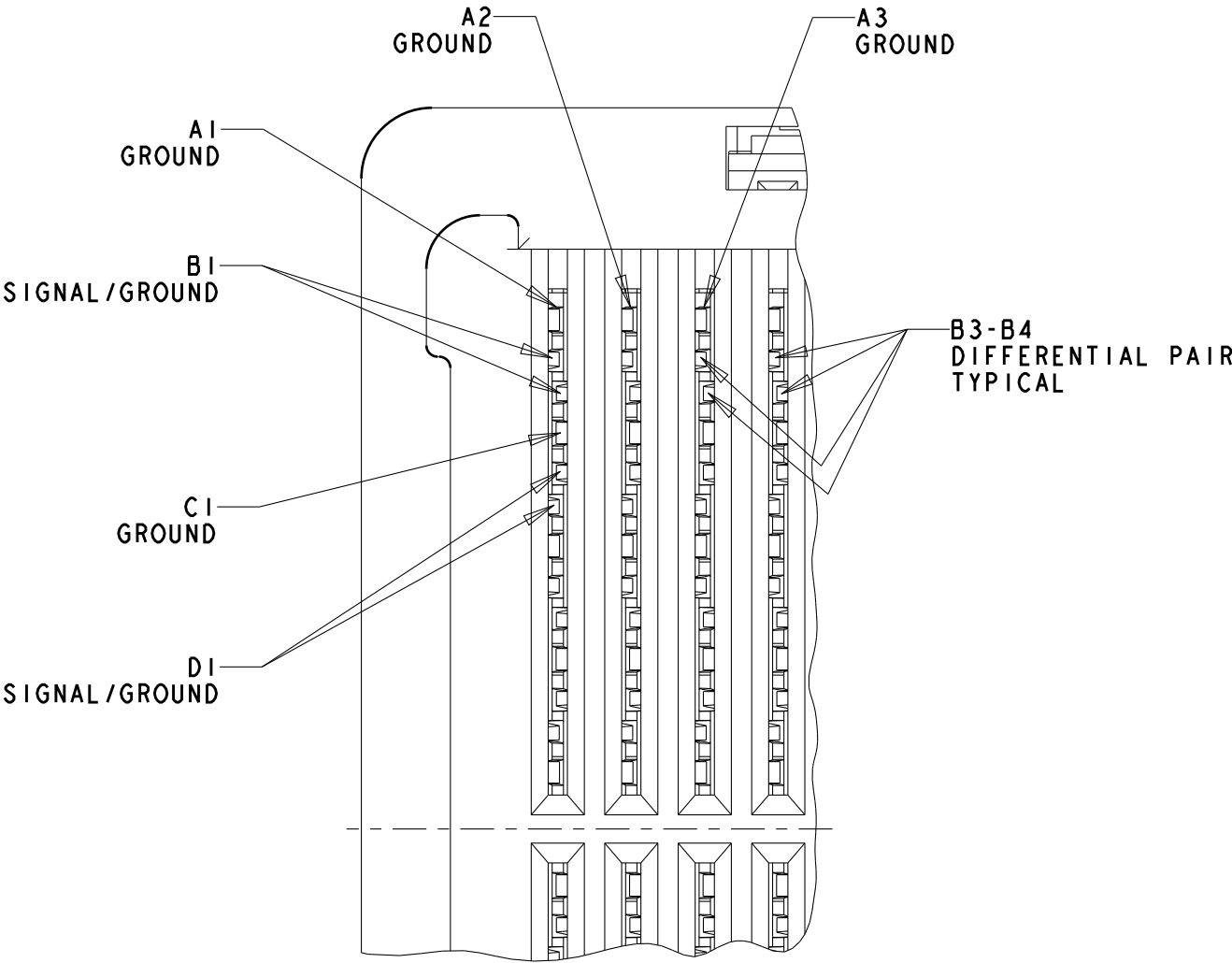
SHEET
3

OF
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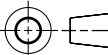
REV
B4

AMP 1470-19 REV 31MAR2000

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



RECEPTACLE INTERFACE
SCALE 8:1

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		CHK D WERTZ	12 JAN05		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD D WERTZ	12 JAN05	NAME STEP-Z RECEPTACLE ASSEMBLY, 296 SIGNAL POSITION	
		PRODUCT SPEC	-		
	0 PLC ± 1 PLC ±0.3 2 PLC ±0.10 3 PLC ±0.050 4 PLC ± ANGLES ±2°	APPLICATION SPEC	-	SIZE A3	
		WEIGHT	-		
MATERIAL	FINISH	CUSTOMER DRAWING		SCALE	-
		SHEET 4 OF 4		REV B4	
		DRAWING NO C-1761617		RESTRICTED TO	