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RELEASED FOR PUBLICATION

20

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LOC

DIST

REVISIONS

DY

-

P

LTR

DESCRIPTION

DATE

DWN

APVD

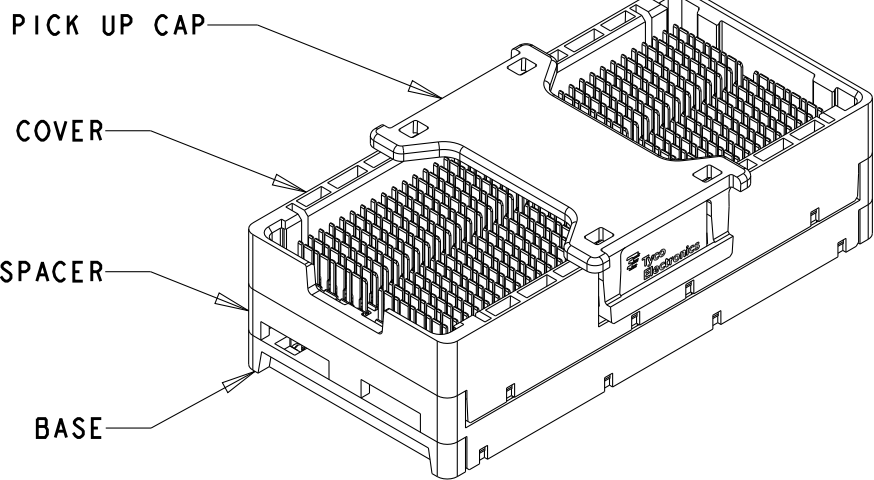
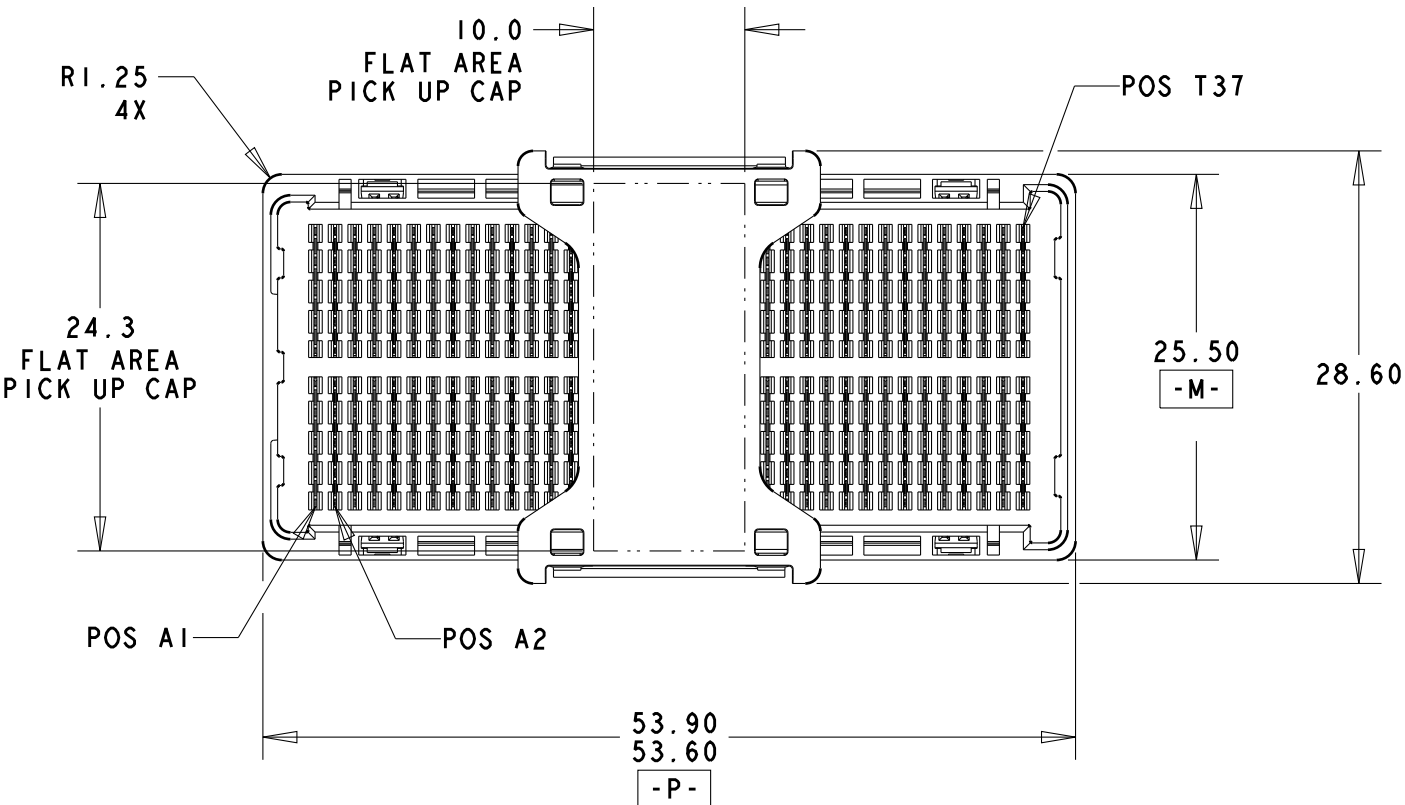
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REVISED PER ECR-10-013879

01JUL2010

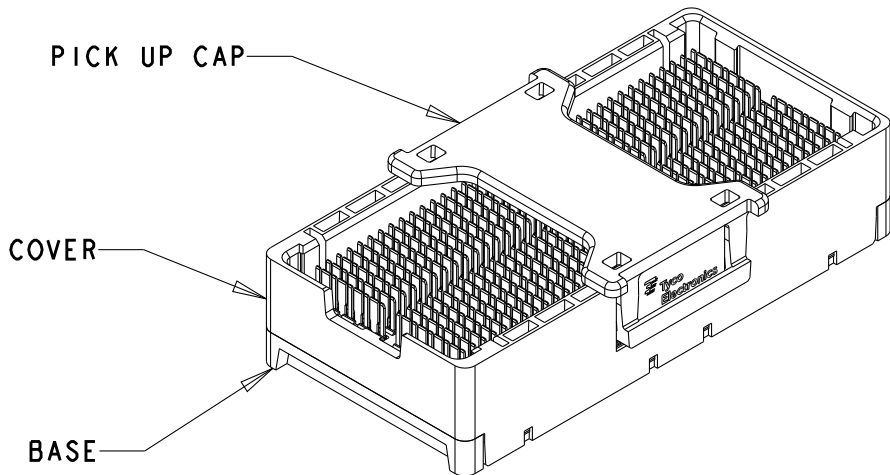
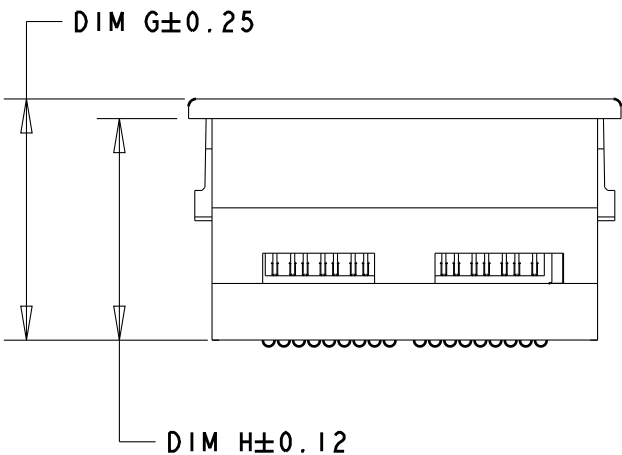
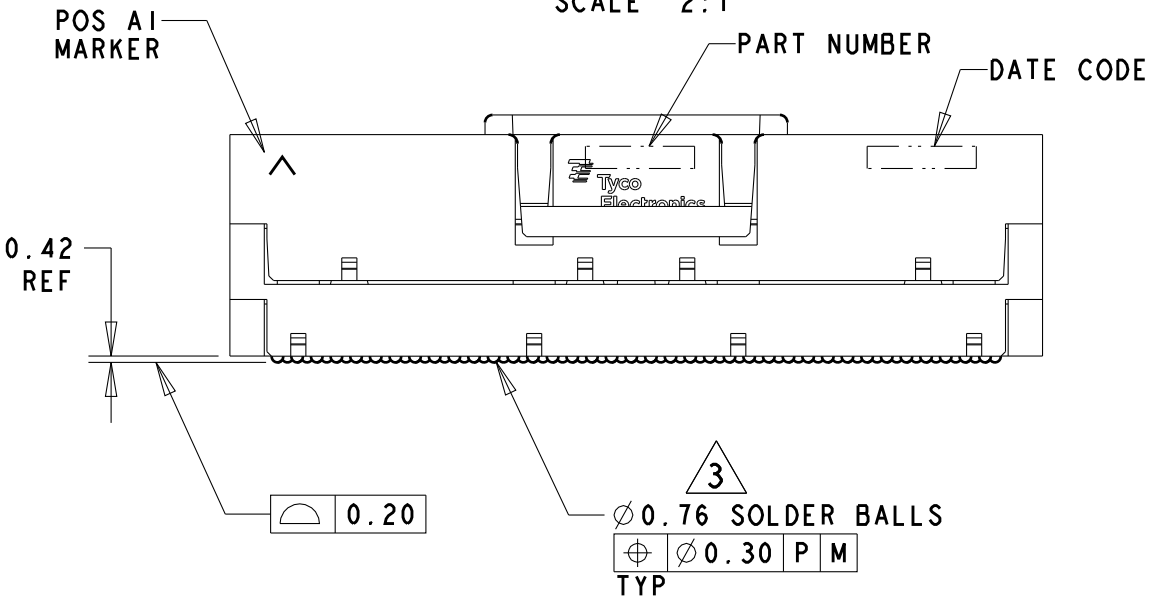
SYJ

LSF



ISOMETRIC VIEW
TYPICAL CONFIGURATION FOR
15mm & 20mm ASSEMBLY
SCALE 3:2

TYPICAL ASSEMBLY
15mm SHOWN
SCALE 2:1



ISOMETRIC VIEW
TYPICAL CONFIGURATION FOR
10mm, 12mm & 13mm ASSEMBLY
SCALE 3:2

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IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION
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DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm			
	0 PLC	±	0.3
	1 PLC	±	0.10
	2 PLC	±	0.050
	3 PLC	±	0.050
	4 PLC	±	0.050
ANGLES		±	2°
FINISH			
MATERIAL			

DWN	P BRANDBERG	10 JAN 05
CHK	D WERTZ	12 JAN 05
APVD	D WERTZ	12 JAN 05
PRODUCT SPEC		
108-2143		
APPLICATION SPEC		
114-13101		
WEIGHT		
-		
CUSTOMER DRAWING		

		Tyco Electronics Singapore	
STEP-Z PLUG ASSEMBLY, 296 SIGNAL POSITION -			
CAGE CODE	DRAWING NO		RESTRICTED TO
00779	C-1761616		-
SCALE		SHEET	REV
-		1 OF 4	A5

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 1761616-1 THRU 5-1761616-0
Sn/Ag FOR P/N 5-1761616-1 THRU 9-1761616-9
- 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

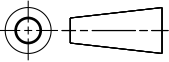
CONTACTS IN ROWS B,D,F,H,L,N,O, AND S
ARE DUAL BEAM CONTACTS,
TYPICALLY USED AS SIGNAL PINS.
- 6

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.

24.65	25.95	-	25mm Sn/Ag	7-1761616-5
19.65	20.95	-	20mm Sn/Ag	7-1761616-0
14.65	15.95	-	15mm Sn/Ag	6-1761616-5
12.65	13.95	-	13mm Sn/Ag	6-1761616-3
11.65	12.95	-	12mm Sn/Ag	6-1761616-2
9.65	10.95	-	10mm Sn/Ag	6-1761616-0
24.65	25.95	-	25mm Sn/Pb	2-1761616-5
19.65	20.95	-	20mm Sn/Pb	2-1761616-0
14.65	15.95	-	15mm Sn/Pb	1-1761616-5
12.65	13.95	-	13mm Sn/Pb	1-1761616-3
11.65	12.95	-	12mm Sn/Pb	1-1761616-2
9.65	10.95	-	10mm Sn/Pb	1-1761616-0
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 10JAN05
CHK D WERTZ 12JAN05
APVD D WERTZ 12JAN05
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

STEP-Z PLUG ASSEMBLY,
296 SIGNAL POSITION

SIZE CAGE CODE DRAWING NO RESTRICTED TO
A300779C-1761616 -

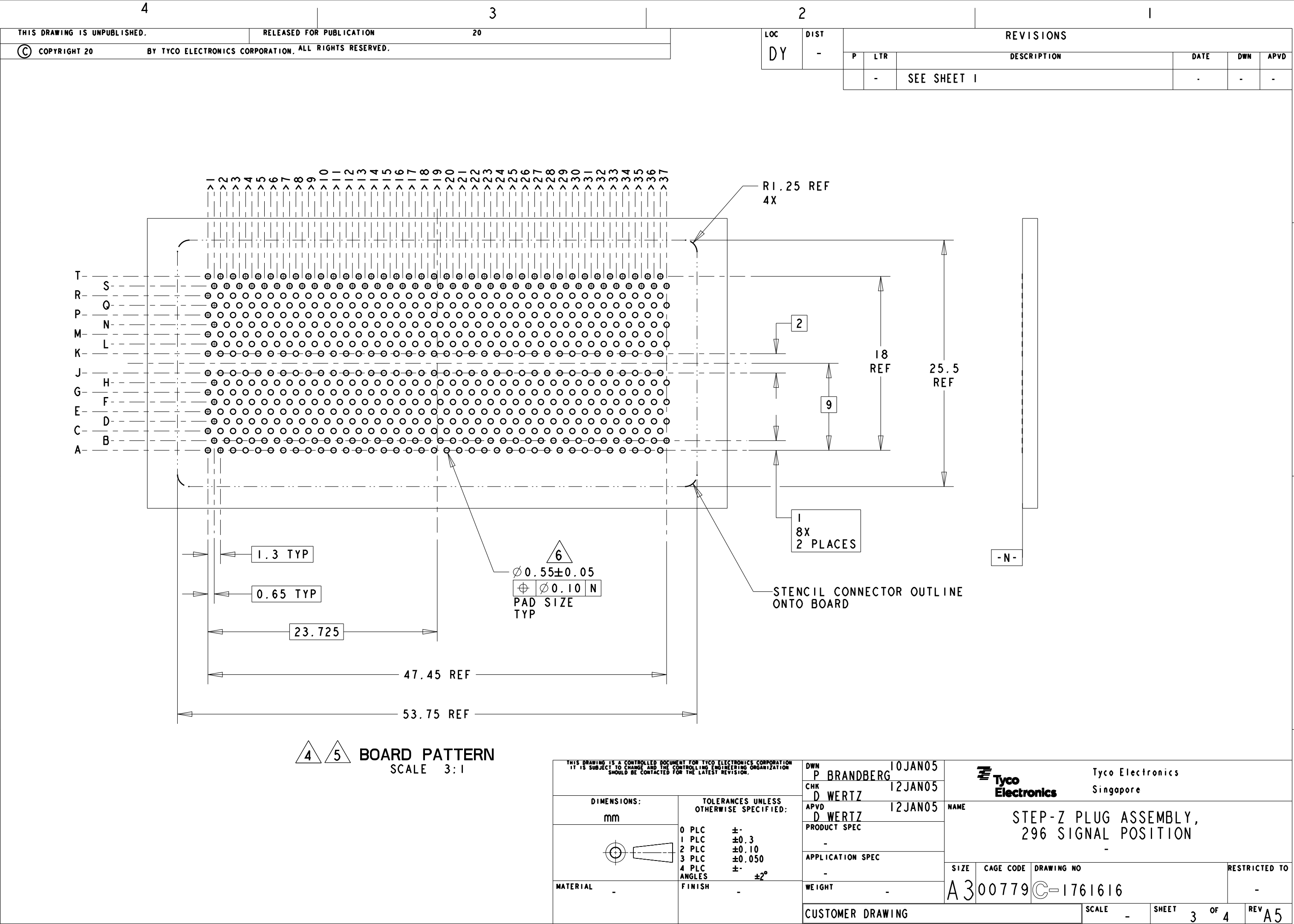
CUSTOMER DRAWING

SCALE - SHEET 2 OF 4 REV A5

Tyco Electronics
Singapore

NAME

AMP 1470-19 REV 31MAR2000



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1.3 TYP

0.65 TYP

23.725

47.45 REF

53.75 REF

6

0.55±0.05

0.10 N

PAD SIZE

TYP

RI.25 REF

4X

18 REF

25.5 REF

1

8X

2 PLACES

STENCIL CONNECTOR OUTLINE ONTO BOARD

- N -

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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

-

DWN

P BRANDBERG

10 JAN05

CHK

D WERTZ

12 JAN05

APVD

D WERTZ

12 JAN05

PRODUCT SPEC

-

APPLICATION SPEC

-

WEIGHT

-

CUSTOMER DRAWING

Tyco

Electronics

Tyco Electronics

Singapore

NAME

STEP-Z PLUG ASSEMBLY,
296 SIGNAL POSITION

SIZE

A3

CAGE CODE

00779

DRAWING NO

C-1761616

RESTRICTED TO

-

SCALE

-

SHEET

3

OF

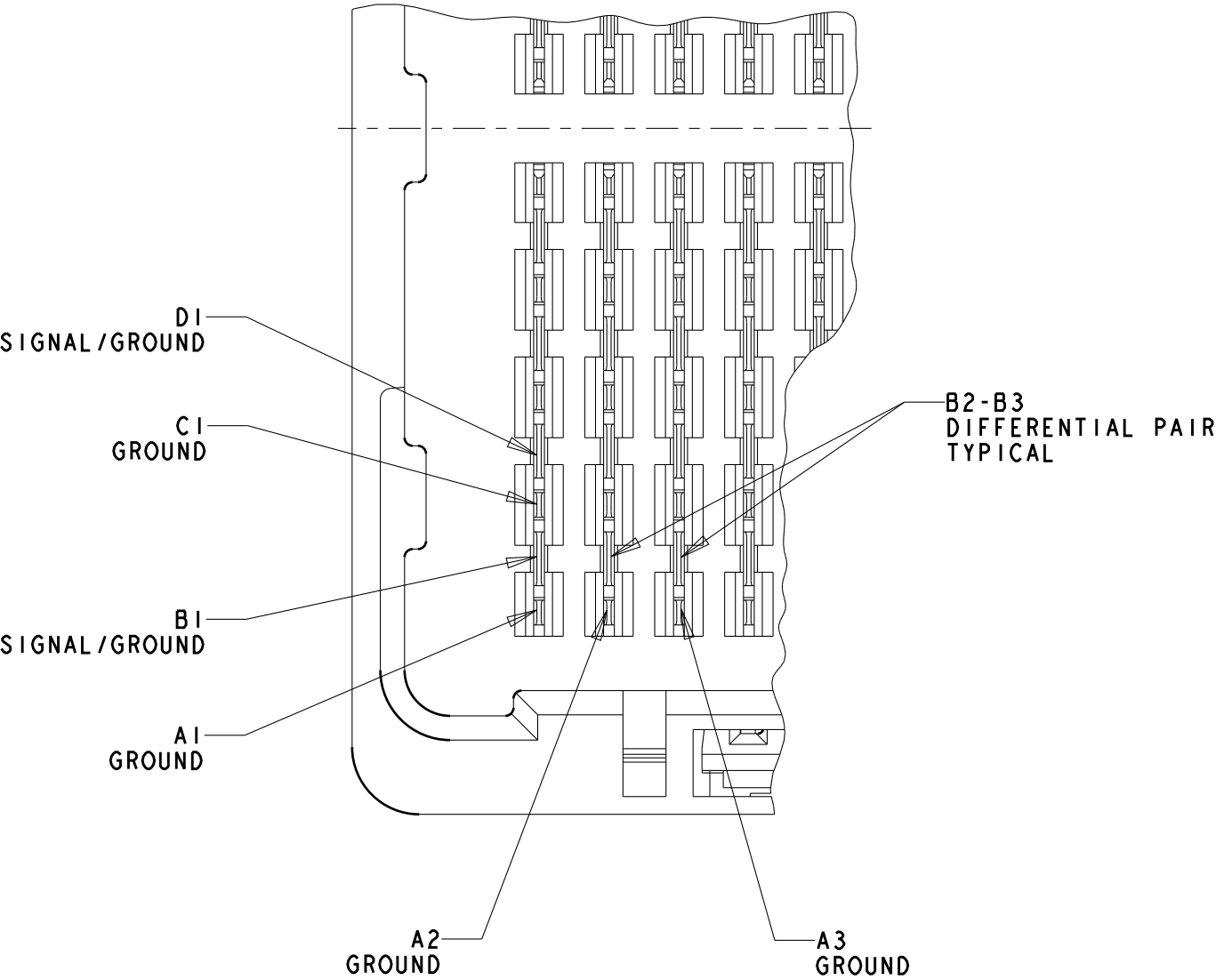
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REV

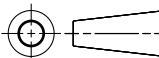
A5

AMP 1470-19 REV 31MAR2000

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



PLUG INTERFACE
SCALE 8:1

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		CHK D WERTZ	12 JAN 05				
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD D WERTZ	12 JAN 05	NAME STEP-Z PLUG ASSEMBLY, 296 SIGNAL POSITION -			
		PRODUCT SPEC -					
	0 PLC ±	APPLICATION SPEC -		SIZE A3	CAGE CODE 00779	DRAWING NO C-1761616	RESTRICTED TO -
	1 PLC ±0.3						
MATERIAL -	2 PLC ±0.10	WEIGHT -	CUSTOMER DRAWING	SCALE -	SHEET 4	OF 4	REV A5
	3 PLC ±0.050						
	4 PLC ±						
	ANGLES ±2°						
FINISH -							

Данный компонент на территории Российской Федерации

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

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