

| LOC | DIST | REVISIONS |     |                   |  |           |         |
|-----|------|-----------|-----|-------------------|--|-----------|---------|
|     |      | P         | LTR | DESCRIPTION       |  | DATE      | APVD    |
| ES  | -    |           |     |                   |  |           |         |
|     |      | 8         |     | ADD GATE LOCATION |  | 23Jun2019 | B.L S.L |

1. MATERIAL
- ① HOUSING : HIGH TEMP, THERMO-PLASTIC, UL94V-0, BLACK

② CONTACT : COPPER ALLOY

FINISH : Au PL. SHOW AS  AT CONTACT AREA

ON OVERALL OVER Ni UNDER PL. 0.00127 MIN.

③ SOLDER BALL : Sn/Ag/Cu

④ CAP : HIGH TEMP. THERMO-PLASTIC, UL94V-0, NATURAL

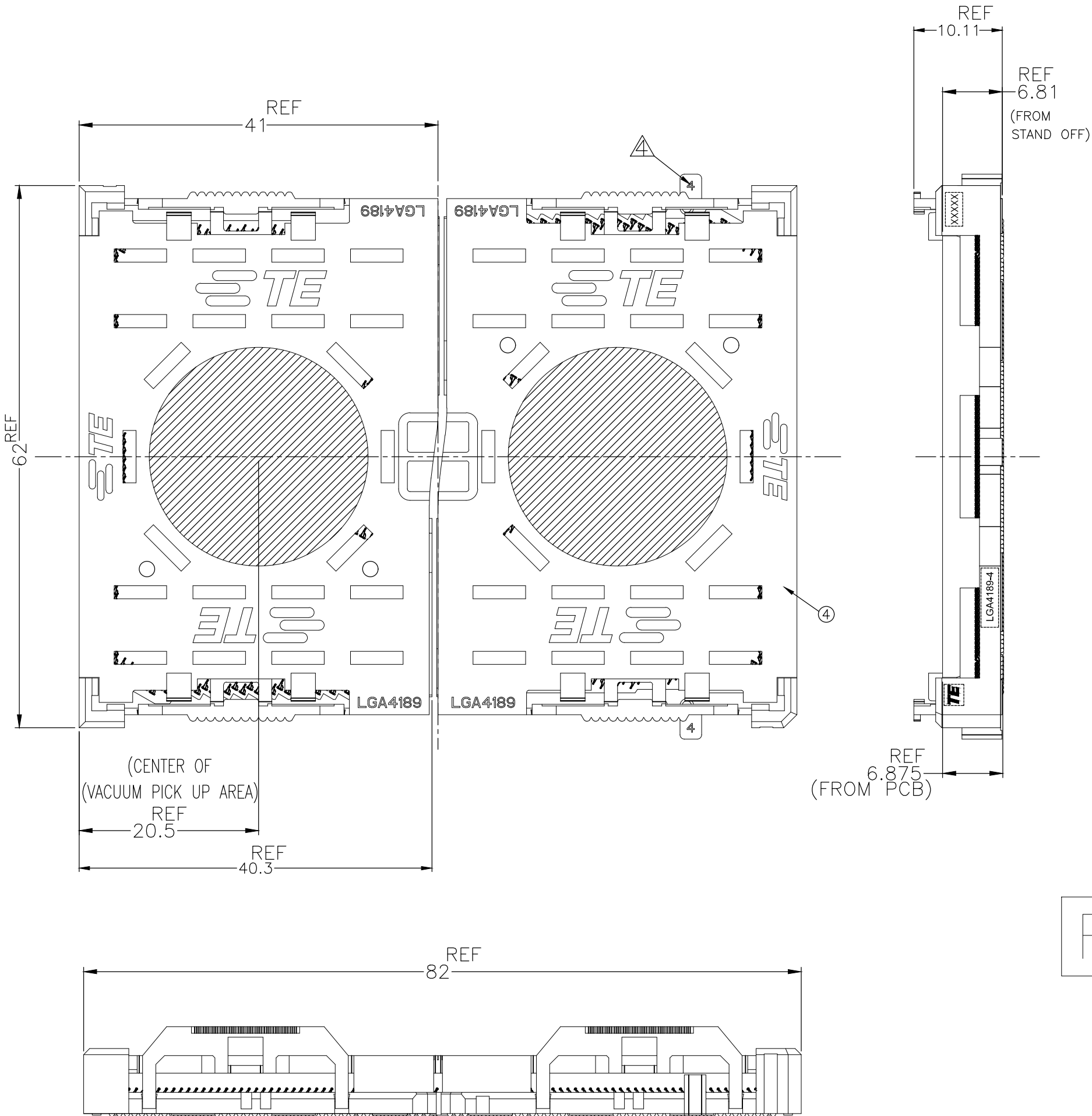
 INDICATED DATE CODE , TYCO LOGO, PRODUCT NAME ON THE HSG

 FOR NORMAL ORDER, LEFT AND RIGHT SEGMENT SHOULD ORDER AT SAME TIME

 THE NUMBER INDICATED SOCKET NAME,"4" FOR SOCKET P4,"5" FOR SOCKET P5.

 THE PAD SIZE IS FOR REFERENCE,CUSTOMER CAN FOLLOW INTEL INSTRUNCTION TO DESIGN

 THESE DIMENSIONS FOR BACK PLATE SCREW HOLE.



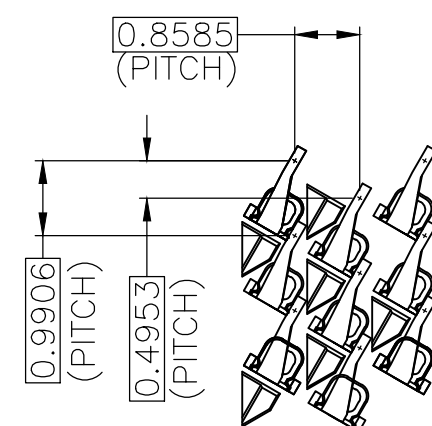
THIS PRINT IS  
PRELIMINARY  
UNQUALIFIED PRODUCT  
CONTACT PRODUCT ENGINEERING  
BEFORE USING THIS PRINT

FOR DGO.7

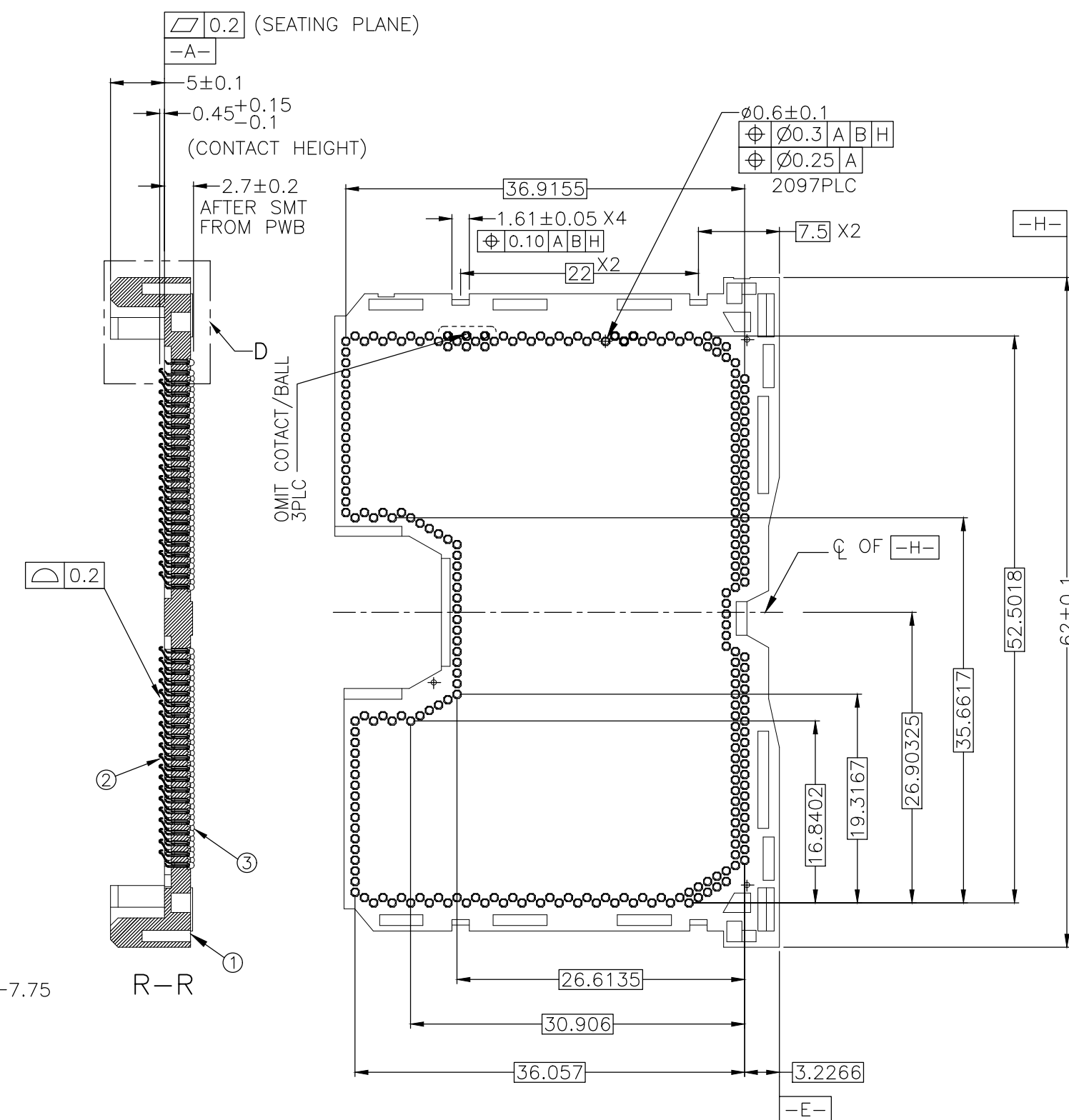
| 30u" AU PLATING           |                        |                         |                        | 15u" AU PLATING         |                        |                         |                        | DESCRIPTION     |
|---------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-----------------|
| LGA4189-4 SOCKET P4       | LGA4189-5 SOCKET P5    | LGA4189-4 SOCKET P4     | LGA4189-5 SOCKET P5    | LGA4189-4 SOCKET P4     | LGA4189-5 SOCKET P5    | LGA4189-4 SOCKET P4     | LGA4189-5 SOCKET P5    |                 |
| LGA4189-4 RIGHT SEGMENT   | LGA4189-4 LEFT SEGMENT | LGA4189-5 RIGHT SEGMENT | LGA4189-5 LEFT SEGMENT | LGA4189-4 RIGHT SEGMENT | LGA4189-4 LEFT SEGMENT | LGA4189-5 RIGHT SEGMENT | LGA4189-5 LEFT SEGMENT |                 |
| 2323614-1                 | 1-2323614-1            | 2323614-3               | 1-2323614-1            | 2323614-2               | 1-2323614-2            | 2323614-4               | 1-2323614-2            | SOCKET ASSY P/N |
| 1                         | 1                      | 1                       | 1                      | 1                       | 1                      | 1                       | 1                      | 1-2324271-1     |
|                           |                        |                         |                        |                         |                        |                         |                        | 1-2324271-2     |
|                           |                        |                         |                        |                         |                        |                         |                        | 1-2324271-5     |
|                           |                        |                         |                        |                         |                        |                         |                        | 1-2324271-6     |
|                           |                        |                         |                        |                         |                        |                         |                        | 1-2324271-3     |
|                           |                        |                         |                        |                         |                        |                         |                        | 1-2324271-4     |
|                           |                        |                         |                        |                         |                        |                         |                        | 1-2324271-7     |
|                           |                        |                         |                        |                         |                        |                         |                        | 1-2324271-8     |
| PRODUCT WEIGHT (g/SOCKET) |                        | QUANTITY PER UNIT       |                        |                         |                        |                         |                        | PACKAGE P/N     |

AFTER SMT CONDITION (WITH CAP)  
DEMONSTRATION BY SOCKET P4,LGA4189-4

|                                        |  |  |  |                  |            |                                                                                                       |  |  |
|----------------------------------------|--|--|--|------------------|------------|-------------------------------------------------------------------------------------------------------|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  |  |  | DWN              | 23Jun2019  |  TE Connectivity |  |  |
|                                        |  |  |  | BILL LV          | 23Jun2019  |                                                                                                       |  |  |
|                                        |  |  |  | CHK              | 23Jun2019  | NAME                                                                                                  |  |  |
|                                        |  |  |  | BILL LV          | 23Jun2019  |                                                                                                       |  |  |
|                                        |  |  |  | APVD             | 23Jun2019  | SOCKET ASSY<br>LGA4189-X                                                                              |  |  |
|                                        |  |  |  | SIMON LI         | 23Jun2019  |                                                                                                       |  |  |
|                                        |  |  |  | PRODUCT SPEC     | 108-115149 | SIZE                                                                                                  |  |  |
|                                        |  |  |  | APPLICATION SPEC | 114-115011 |                                                                                                       |  |  |
|                                        |  |  |  | WEIGHT           | -          | CAGE CODE                                                                                             |  |  |
|                                        |  |  |  | CUSTOMER DRAWING |            |                                                                                                       |  |  |
|                                        |  |  |  | SCALE            | NTS        | DRAWING NO                                                                                            |  |  |
|                                        |  |  |  | SHEET            | 1 of 7     |                                                                                                       |  |  |
|                                        |  |  |  | REV              | 8          | RESTRICTED TO                                                                                         |  |  |
|                                        |  |  |  |                  |            |                                                                                                       |  |  |



THESE VIEW DON'T SHOW CAP  
BEFORE SMT CONDITION  
LGA4189-4 LEFT SIDE ASSY  
1-2323614-\* AS SHOWN

1471-9 (3/11)

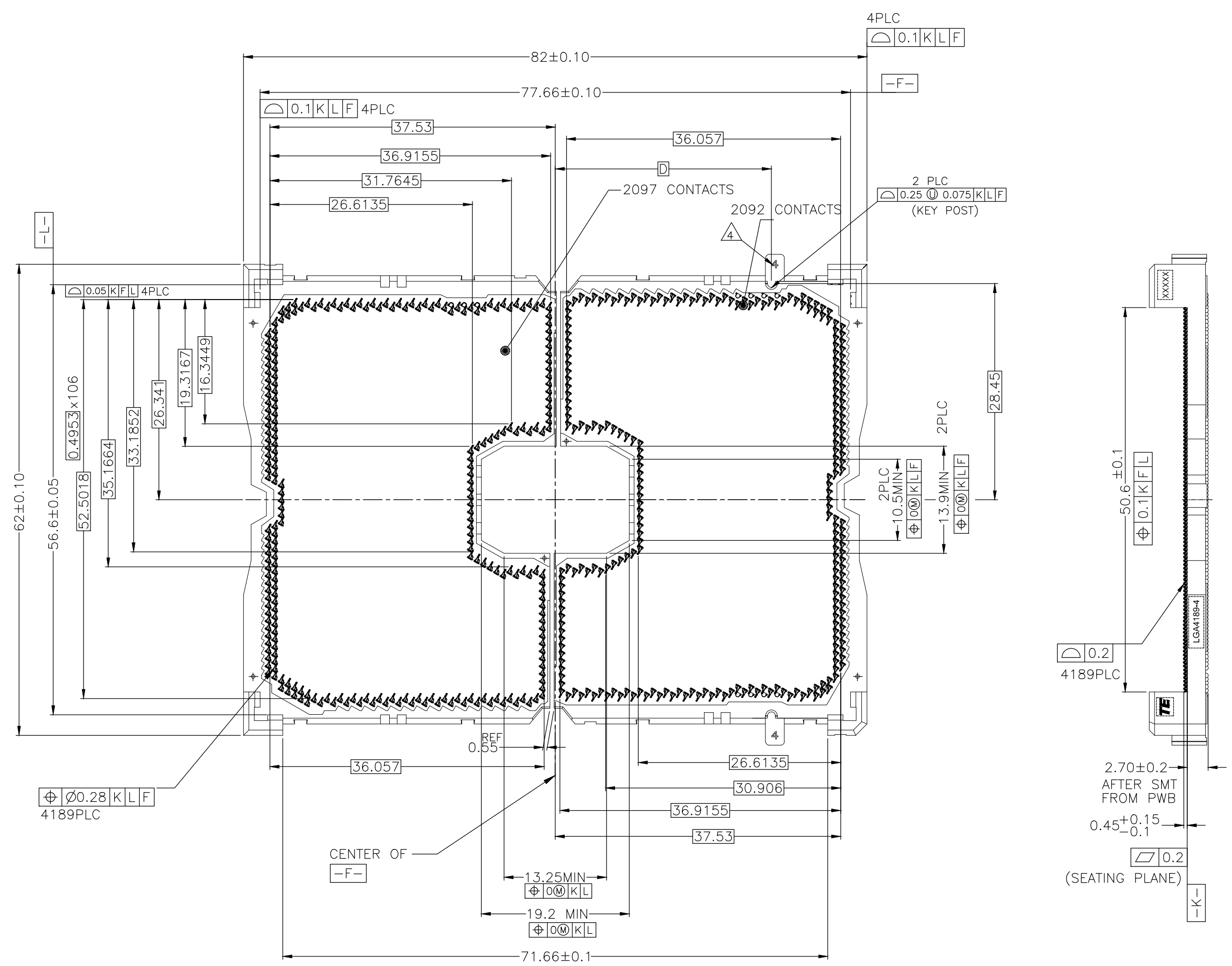


D

C

B

A



AFTER SMT CONDITION (WITHOUT CAP)

| TABLE FOR P4/P5 KEY LOCATION     |        |
|----------------------------------|--------|
| LGA4189 SOCKET P5(RIGHT SEGMENT) | 25.415 |
| LGA4189 SOCKET P4(RIGHT SEGMENT) | 28.415 |
| DESCRIPTION                      | DIM D  |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

|        |   |      |
|--------|---|------|
| 0-PLC  | ± | ±0.3 |
| 1-PLC  | ± |      |
| 2-PLC  | ± |      |
| 3-PLC  | ± |      |
| 4-PLC  | ± |      |
| ANGLES | ± |      |
| FINISH | - |      |

MATERIAL

-

DWN  
-

CHK  
-

APVD  
-

PRODUCT SPEC  
-

APPLICATION SPEC  
-

WEIGHT  
-

CUSTOMER DRAWING

TE Connectivity

SOCKET ASSY  
LGA2324271-X

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
C=2324271

RESTRICTED TO  
-

SCALE  
NTS

SHEET  
4 of 7

REV  
8

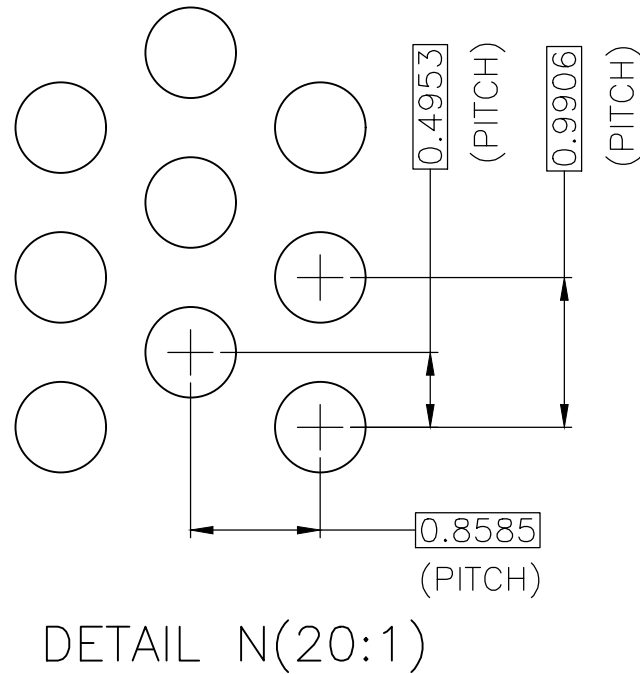
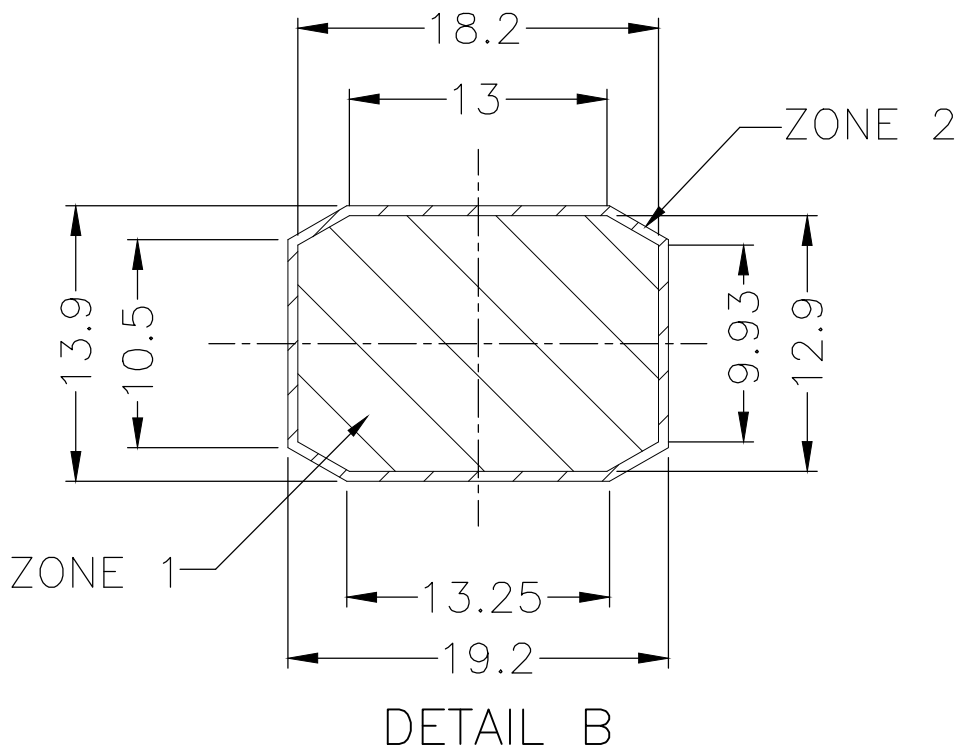
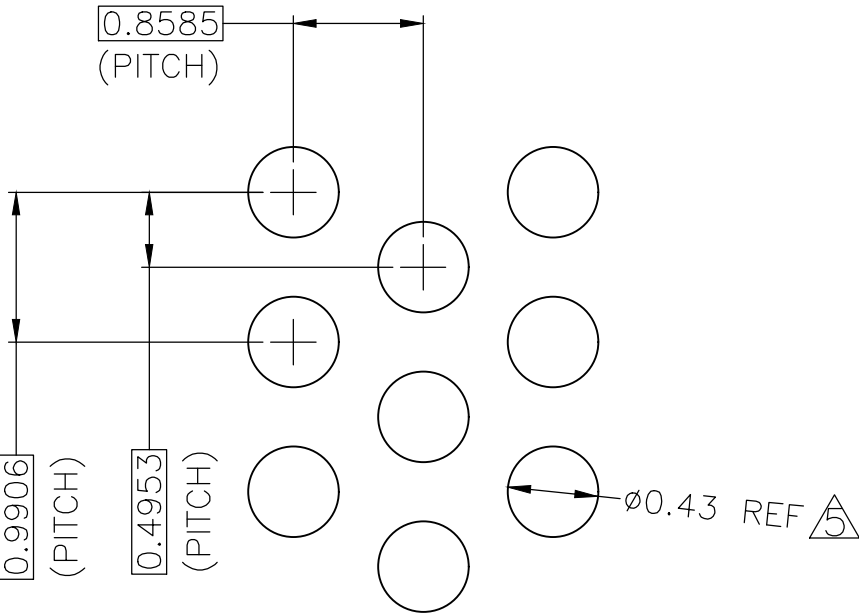
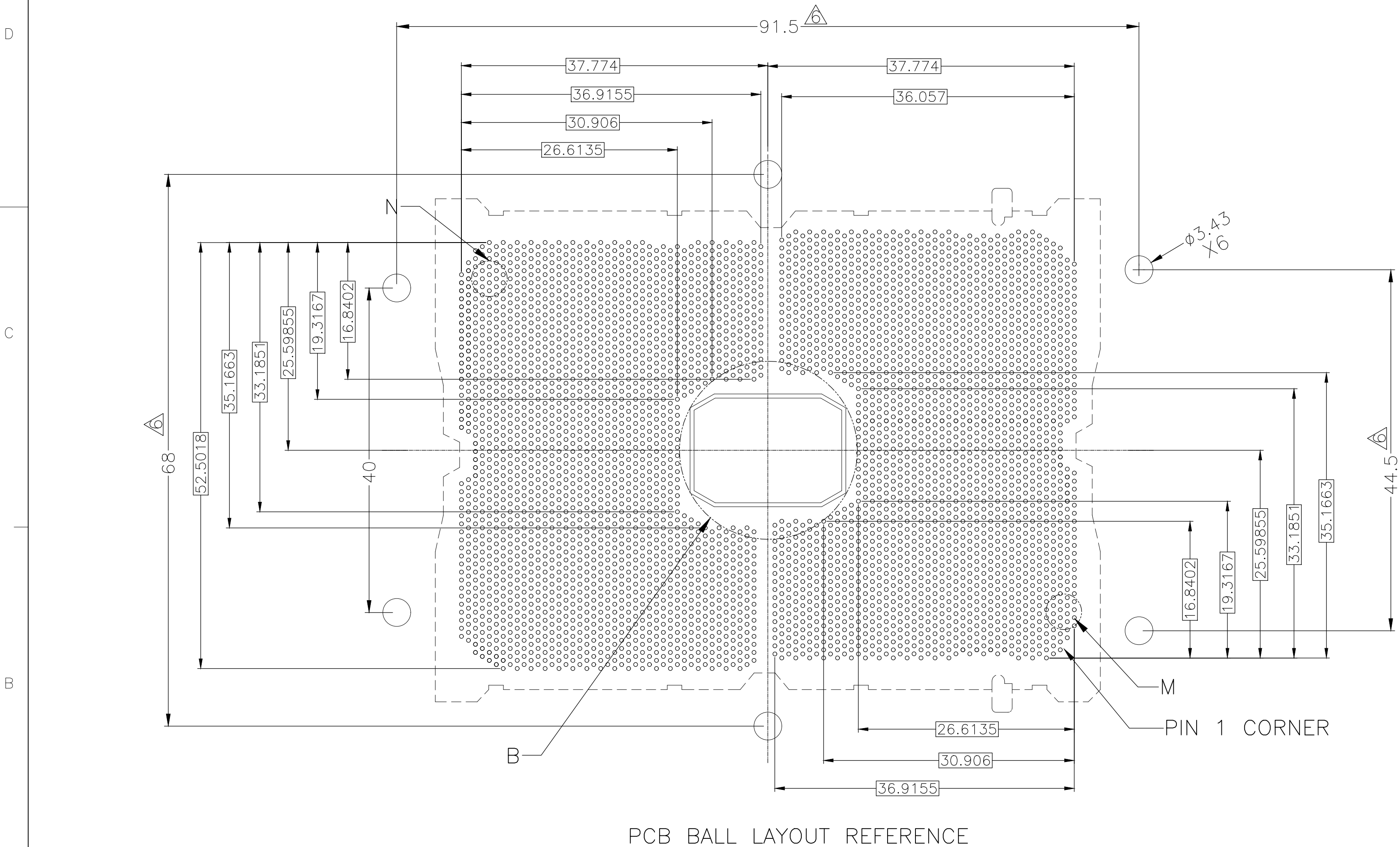
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| ES  | —    |           |     |             |      |     |      |
|     |      |           | —   | SEE SHEET 1 | —    | —   | —    |

D

C

B

A



| KOZ LEGEND FOR REFERENCE: |                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------|
|                           | ZONE 2:<br>SOCKET CAVITY TO SOCKET ZONE.<br>NO COMPONENT PLACEMENT ALLOWED<br>0.0mm HEIGHT RESTRICTION. |
|                           | ZONE 1:<br>SOCKET CAVITY<br>1.222mm HEIGHT RESTRICTION.                                                 |

|                                                                                                  |  |                                                                                                                                                                                                                                |  |                                                                                                                                       |  |              |  |                    |  |                         |  |                    |  |
|--------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|--------------------|--|-------------------------|--|--------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                           |  | <div><div>DWN</div><div>—</div><div>CHK</div><div>—</div><div>APVD</div><div>—</div></div>                                                                                                                                     |  | <div><div></div><div>TE Connectivity</div></div> |  |              |  |                    |  |                         |  |                    |  |
| DIMENSIONS:<br>mm                                                                                |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                                                                                                                                                      |  | NAME                                                                                                                                  |  |              |  |                    |  |                         |  |                    |  |
| <div></div> |  | <div><div>0. PLC</div><div>±</div><div>1. PLC</div><div>±</div><div>2. PLC</div><div>±</div><div>3. PLC</div><div>±</div><div>4. PLC</div><div>±</div><div>ANGLES</div><div>±</div><div>—</div></div> <div>±0.3<br/>±3.0</div> |  | PRODUCT SPEC<br>—                                                                                                                     |  |              |  |                    |  |                         |  |                    |  |
| MATERIAL<br>—                                                                                    |  | FINISH<br>—                                                                                                                                                                                                                    |  | APPLICATION SPEC<br>—                                                                                                                 |  | SIZE<br>A2   |  | CAGE CODE<br>00779 |  | DRAWING NO<br>C=2324271 |  | RESTRICTED TO<br>— |  |
| CUSTOMER DRAWING                                                                                 |  |                                                                                                                                                                                                                                |  |                                                                                                                                       |  | SCALE<br>NTS |  | SHEET<br>5 of 7    |  | REV<br>8                |  |                    |  |

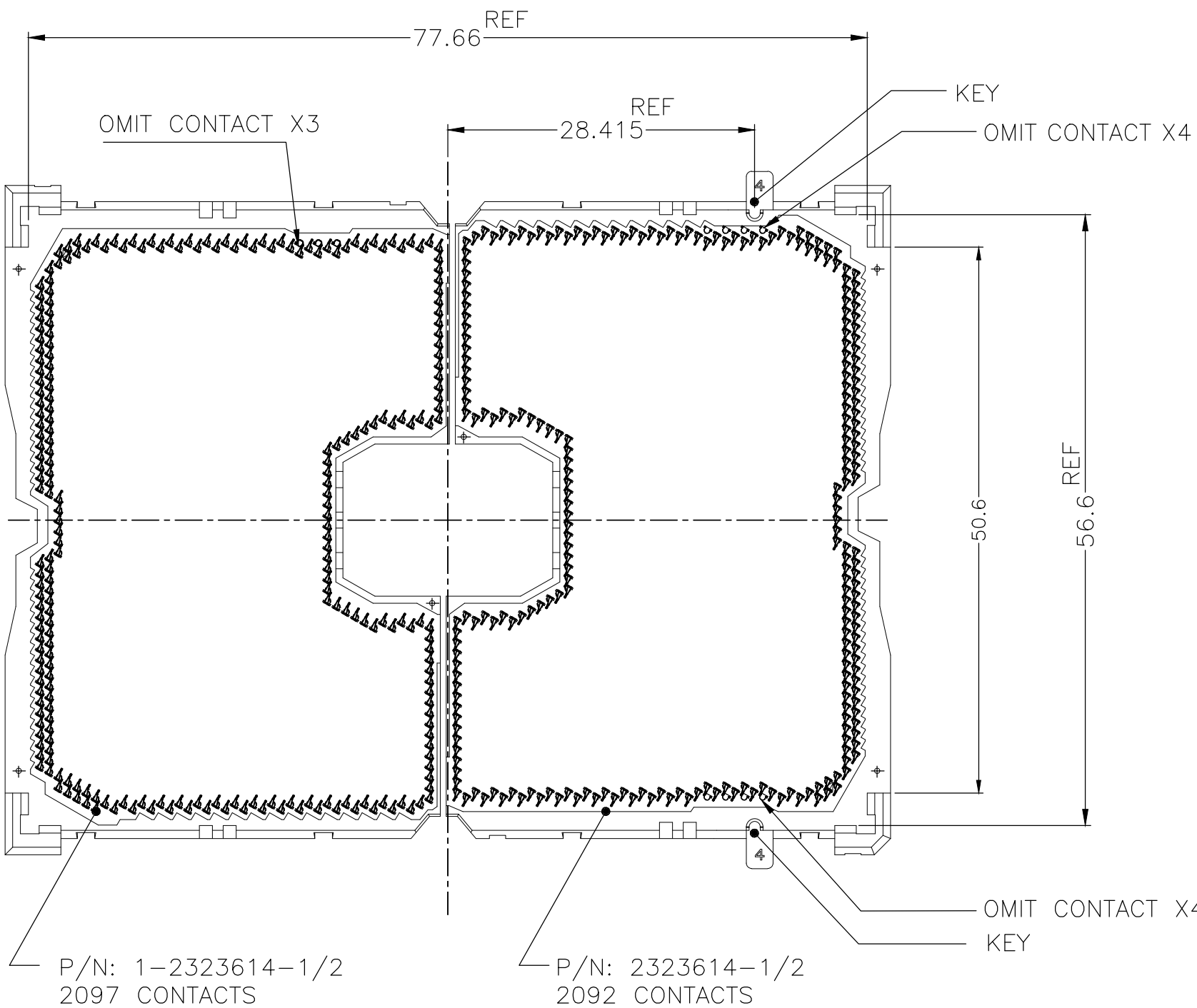
D

C

B

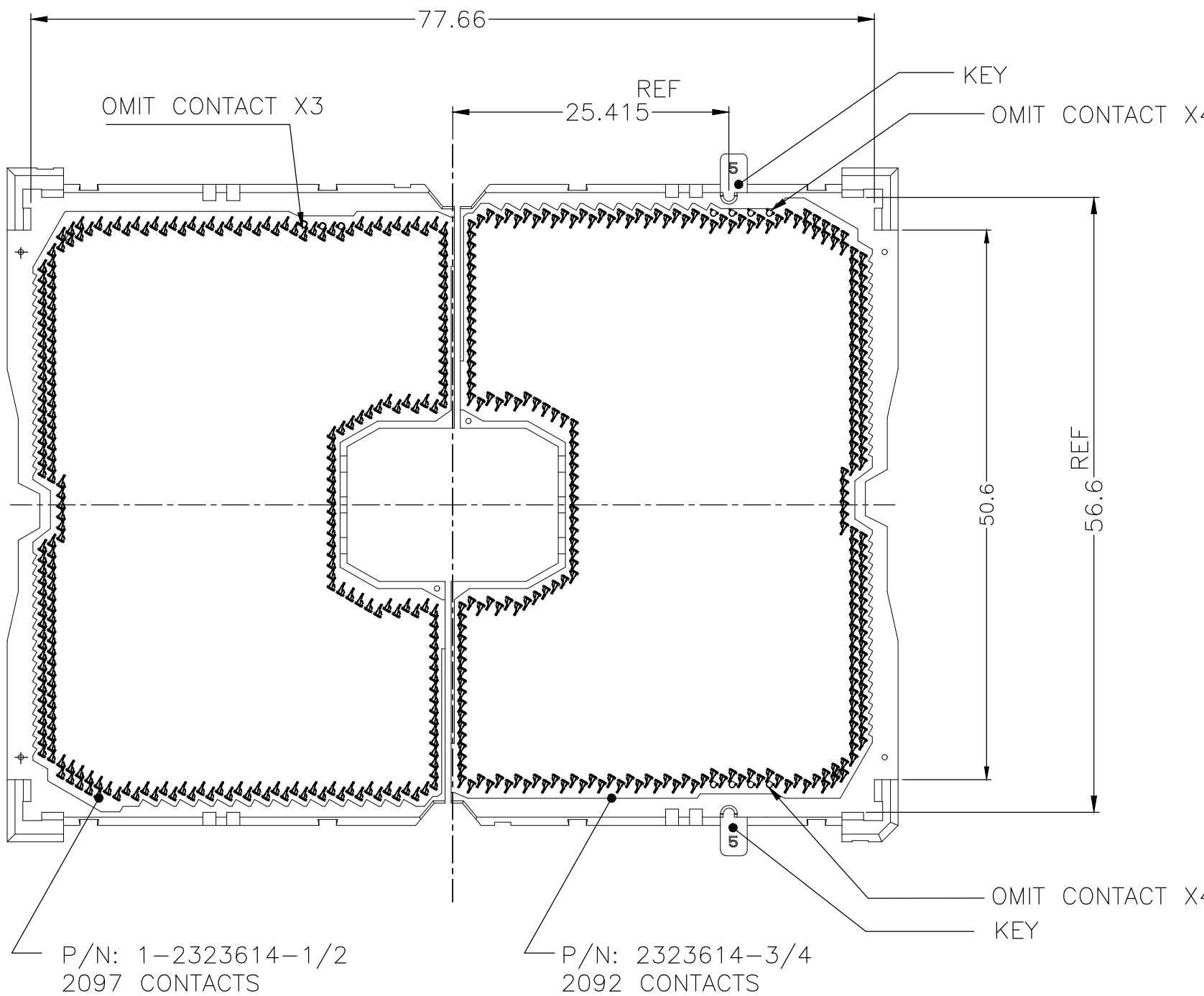
A

SOCKET P4,LGA4189-4 AS SHOWN



LGA4189-4 AS SHOWN  
AFTER SMT CONDITION (WITHOUT CAP)

SOCKET P5,LGA4189-5 AS SHOWN



LGA4189-5 AS SHOWN  
AFTER SMT CONDITION (WITHOUT CAP)

LGA4189-X POST SMT CONDITION  
(PCB IS NOT SHOWN)

D

C

B

A

2324271

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm

MATERIAL  
—

TOLERANCES UNLESS OTHERWISE SPECIFIED:

|        |   |     |
|--------|---|-----|
| 0-PLC  | ± | 0.3 |
| 1-PLC  | ± | 0.3 |
| 2-PLC  | ± | 0.3 |
| 3-PLC  | ± | 0.3 |
| 4-PLC  | ± | 0.3 |
| ANGLES | ± | —   |
| FINISH | — | —   |

DWN  
—

CHK  
—

APVD  
—

PRODUCT SPEC  
—

APPLICATION SPEC  
—

WEIGHT  
—

CUSTOMER DRAWING

TE Connectivity

NAME  
SOCKET ASSY  
LGA4189-X

SIZE  
A2

CAGE CODE  
00779

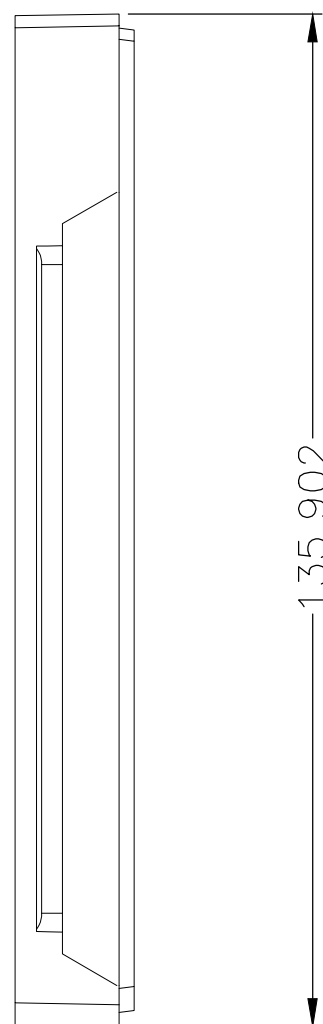
DRAWING NO  
C=2324271

RESTRICTED TO  
—

SCALE  
NTS

SHEET  
6 of 7

REV  
8



# SOCKET P4/5 HARD TRAY

|                             |                             |                        |                     |                      |                                                                                                       |                        |
|-----------------------------|-----------------------------|------------------------|---------------------|----------------------|-------------------------------------------------------------------------------------------------------|------------------------|
| 168                         | 84                          | 12                     | 2323614-4           | 1-2324271-7          | LGA4189-5<br>RIGHT SEGMENT                                                                            | LGA4189-5<br>SOCKET P5 |
| 168                         | 84                          | 12                     | 1-2323614-2         | 1-2324271-8          | LGA4189-5<br>LFFT SEGMENT                                                                             |                        |
| 168                         | 84                          | 12                     | 2323614-3           | 1-2324271-5          | LGA4189-5<br>RIGHT SEGMENT                                                                            |                        |
| 168                         | 84                          | 12                     | 1-2323614-1         | 1-2324271-6          | LGA4189-5<br>LFFT SEGMENT                                                                             |                        |
| 168                         | 84                          | 12                     | 2323614-2           | 1-2324271-3          | LGA4189-4<br>RIGHT SEGMENT                                                                            | LGA4189-4<br>SOCKET P4 |
| 168                         | 84                          | 12                     | 1-2323614-2         | 1-2324271-4          | LGA4189-4<br>LFFT SEGMENT                                                                             |                        |
| 168                         | 84                          | 12                     | 2323614-1           | 1-2324271-1          | LGA4189-4<br>RIGHT SEGMENT                                                                            |                        |
| 168                         | 84                          | 12                     | 1-2323614-1         | 1-2324271-2          | LGA4189-4<br>LFFT SEGMENT                                                                             |                        |
| SOCKET QTY<br>PER OUTER BOX | SOCKET QTY<br>PER INNER BOX | SOCKET QTY<br>PER TRAY | ASSY PART<br>NUMBER | ORDER PART<br>NUMBER |  PRODUCT<br>NAME |                        |

|                                                                                       |                                        |                  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|----------------------------------------|------------------|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                        | DWN              |  TE Connectivity |  |
|                                                                                       |                                        | CHK              |                                                                                                       |  |
| DIMENSIONS:                                                                           | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD             | NAME                                                                                                  |  |
| mm                                                                                    |                                        | —                | SOCKET ASSY<br>LGA4189—X                                                                              |  |
|  | 0 PLC ±                                | PRODUCT SPEC     | SIZECAGE CODEDRAWING NORESTRICTED TO                                                                  |  |
|                                                                                       | 1 PLC ±                                | —                |                                                                                                       |  |
|                                                                                       | 2 PLC ±                                | APPLICATION SPEC |                                                                                                       |  |
|                                                                                       | 3 PLC ±                                | —                |                                                                                                       |  |
|                                                                                       | 4 PLC ±                                | —                |                                                                                                       |  |
|                                                                                       | ANGLES ±                               | —                | A200779C=2324271—                                                                                     |  |
| MATERIAL                                                                              | FINISH                                 | WEIGHT           |                                                                                                       |  |
| —                                                                                     | —                                      | —                | CUSTOMER DRAWINGSCALENTSSHEET7 OF 7REV8                                                               |  |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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