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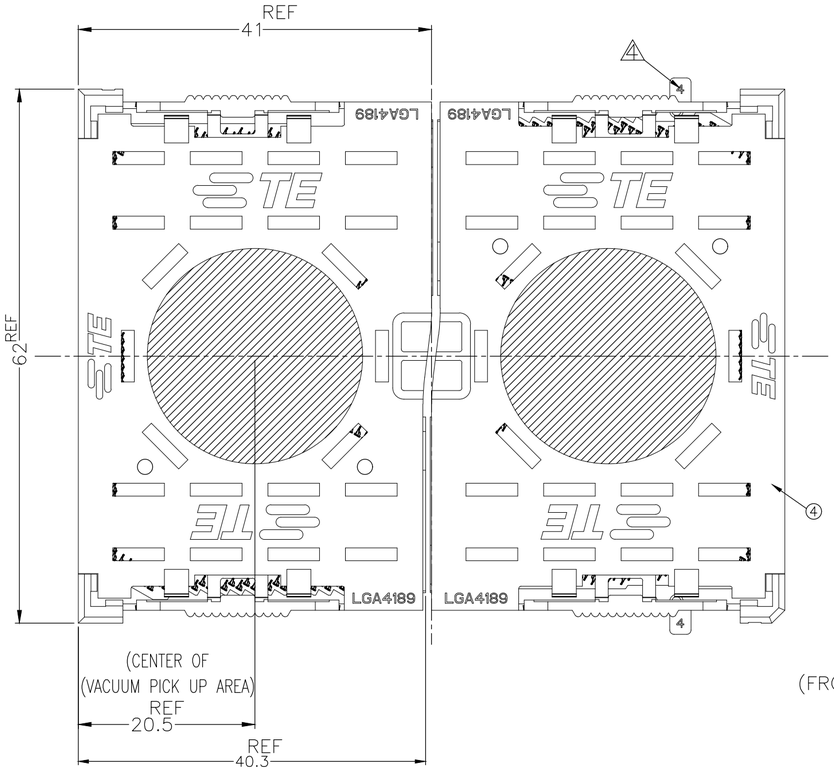
| LOC | DIST |
|---|---|
| ES | – |

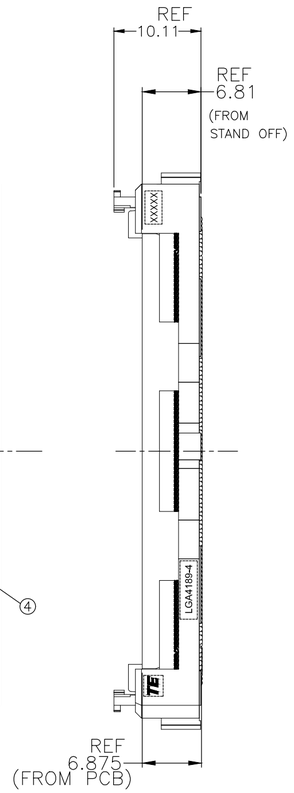
REVISIONS

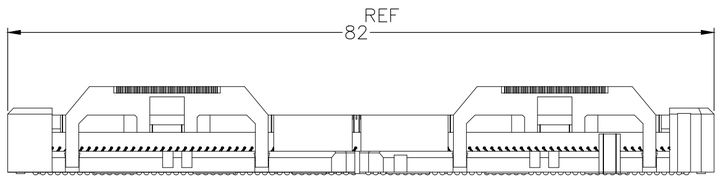
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | 8 | ADD GATE LOCATION | 23Jun2019 | B.L | S.L |

1. MATERIAL
   ① HOUSING : HIGH TEMP, THERMO-PLASTIC, UL94V-0, BLACK
   ② CONTACT : COPPER ALLOY
   FINISH : Au PL. SHOW AS △7 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

△2 INDICATED DATE CODE , TYCO LOGO, PRODUCT NAME ON THE HSG
△3 FOR NORMAL ORDER, LEFT AND RIGHT SEGMENT SHOULD ORDER AT SAME TIME
△4 THE NUMBER INDICATED SOCKET NAME,"4" FOR SOCKET P4,"5" FOR SOCKET P5.
△5 THE PAD SIZE IS FOR REFERENCE,CUSTOMER CAN FOLLOW INTEL INSTRUNCTION TO DESIGN
△6 THESE DIMENSIONS FOR BACK PLATE SCREW HOLE.




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

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

FOR DG0.7

△7

| | 30u" AU PLATING | | | | 15u" AU PLATING | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 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 | DESCRIPTION |
| | 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 | | | | | | | | 1-2324271-1 |
| | | 1 | | | | | | | 1-2324271-2 |
| | | | 1 | | | | | | 1-2324271-5 |
| | | | | 1 | | | | | 1-2324271-6 |
| | | | | | 1 | | | | 1-2324271-3 |
| | | | | | | 1 | | | 1-2324271-4 |
| | | | | | | | 1 | | 1-2324271-7 |
| | | | | | | | | 1 | 1-2324271-8 |
| PRODUCT WEIGHT (g/SOCKET) | QUANTITY PER UNIT | | | | | | | | PACKAGE P/N |

2324271

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± – ±0.3
2 PLC ± – ±3°
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL –
FINISH –

| | | |
|---|---|---|
| DWN | BILL LV | 23Jun2019 |
| CHK | BILL LV | 23Jun2019 |
| APVD | SIMON LI | 23Jun2019 |
| PRODUCT SPEC | 108-115149 | |
| APPLICATION SPEC | 114-115011 | |
| WEIGHT | – | |

TE Connectivity

NAME: SOCKET ASSY LGA4189-X

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C-2324271 | – |

CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 7 | REV 8

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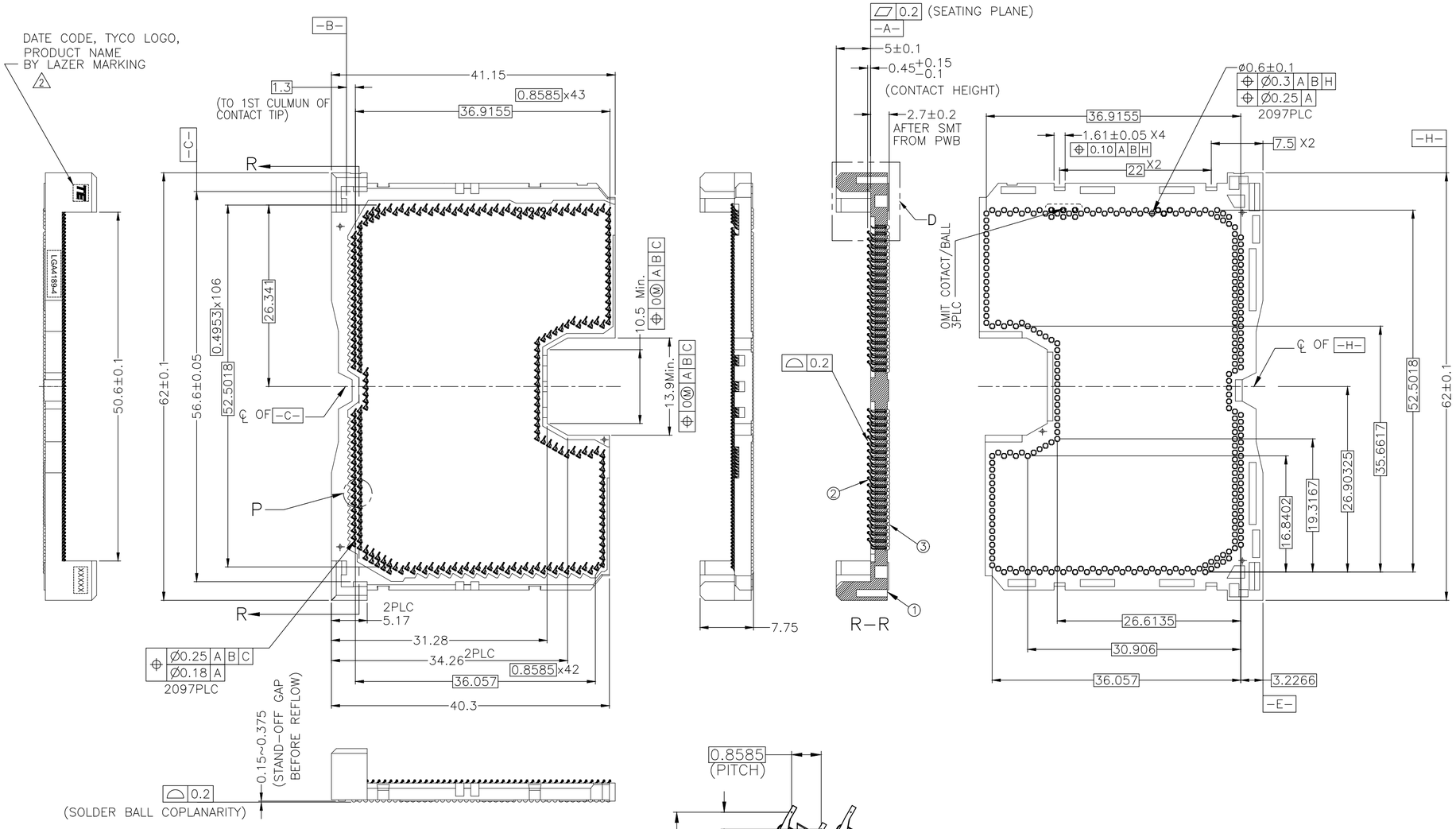
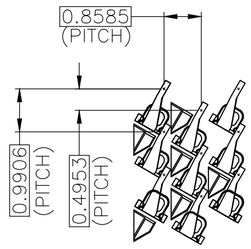
| LOC | DIST |
|---|---|
| ES | — |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | – | SEE SHEET 1 | – | — | — |




DETAIL P(10:1)

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

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN – | TE Connectivity |
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ±0.3 ; 2 PLC ± – ±3° ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± – | CHK – / APVD – | NAME: SOCKET ASSY LGA4189–X |
| | | PRODUCT SPEC – | |
| | | APPLICATION SPEC – | SIZE A2 · CAGE CODE 00779 · DRAWING NO C-2324271 · RESTRICTED TO – |
| MATERIAL – | FINISH – | WEIGHT – | CUSTOMER DRAWING · SCALE NTS · SHEET 2 OF 7 · REV 8 |

2324271

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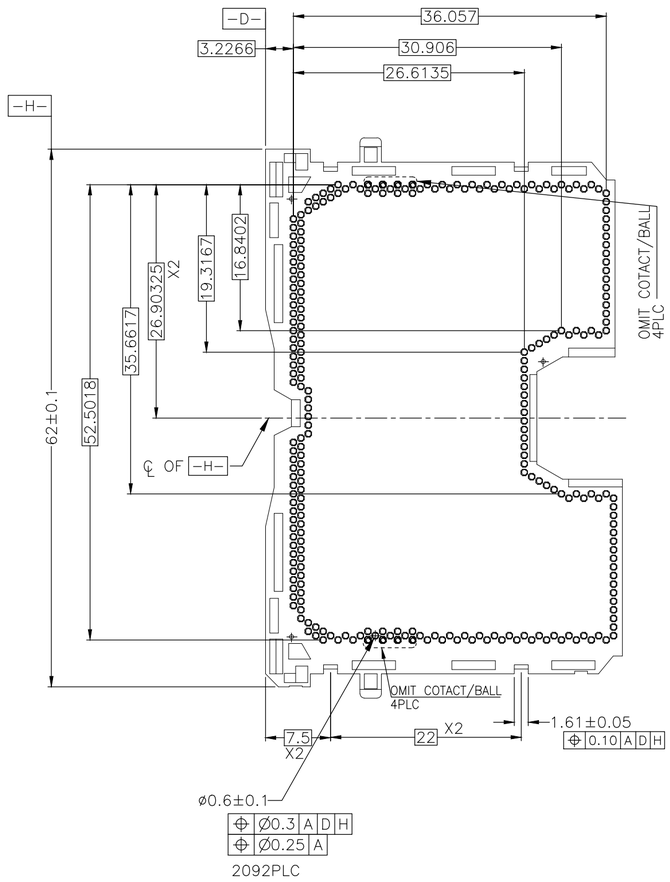
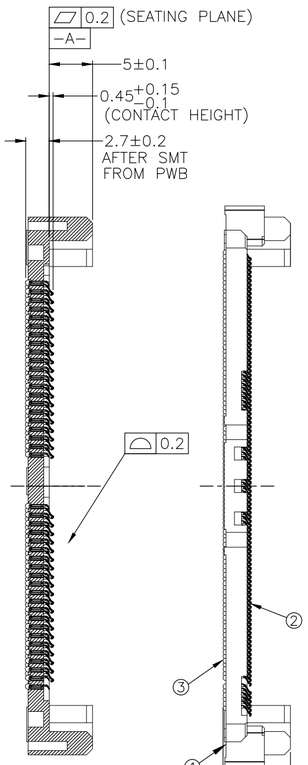
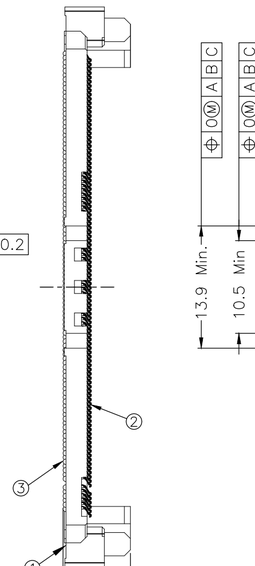
| LOC | DIST |
|---|---|
| ES | — |

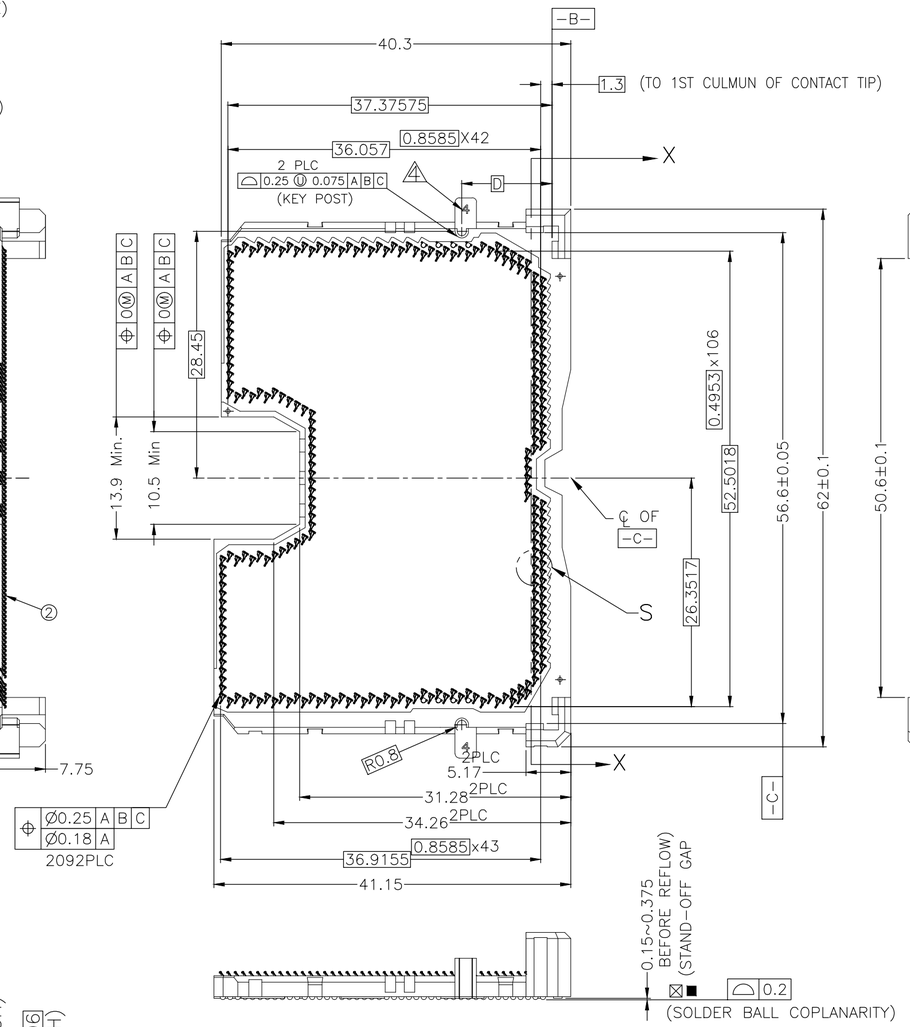
REVISIONS

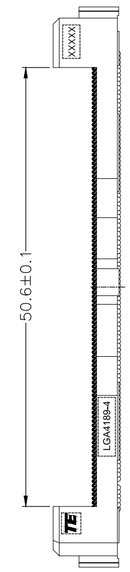
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | – | SEE SHEET 1 | – | — | — |



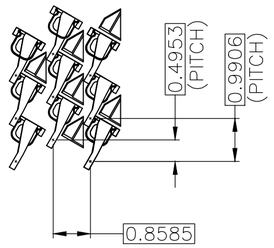




THESE VIEW DON'T SHOW CAP
BEFORE SMT CONDITION
LGA4189-4 RIGHT SIDE ASSY
2323614-* AS SHOWN




DETAIL S(10:1)

TABLE FOR P4/P5 KEY LOCATION

| | |
|---|---|
| LGA4189 SOCKET P5(RIGHT SEGMENT) | 13.415 |
| LGA4189 SOCKET P4(RIGHT SEGMENT) | 10.415 |
| DESCRIPTION | DIM D |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± –
±0.3
±3°

MATERIAL –

FINISH –

DWN —
CHK —
APVD —
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME
SOCKET ASSY
LGA4189-X

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C-2324271 | — |

CUSTOMER DRAWING | SCALE NTS | SHEET 3 OF 7 | REV 8

2324271

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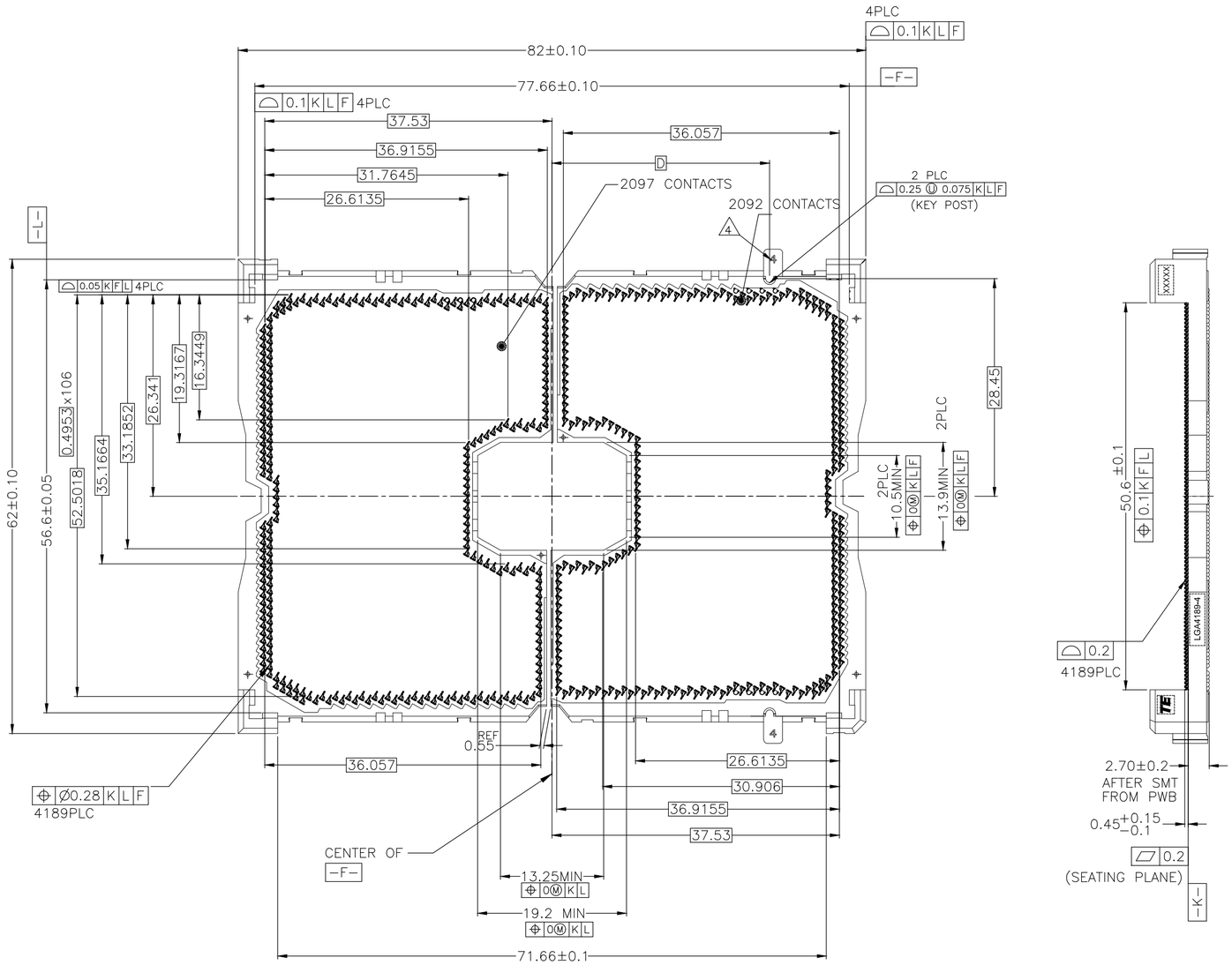
| LOC | DIST |
|---|---|
| ES | — |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | – | SEE SHEET 1 | – | — | — |







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 ± –
1 PLC ± –
2 PLC ± –
3 PLC ± –
4 PLC ± –
ANGLES ± –
±0.3
±3°

MATERIAL –

FINISH –

DWN —
CHK –
APVD –
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME
SOCKET ASSY
LGA2324271–X

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C–2324271 | — |

CUSTOMER DRAWING | SCALE NTS | SHEET 4 OF 7 | REV 8

2324271

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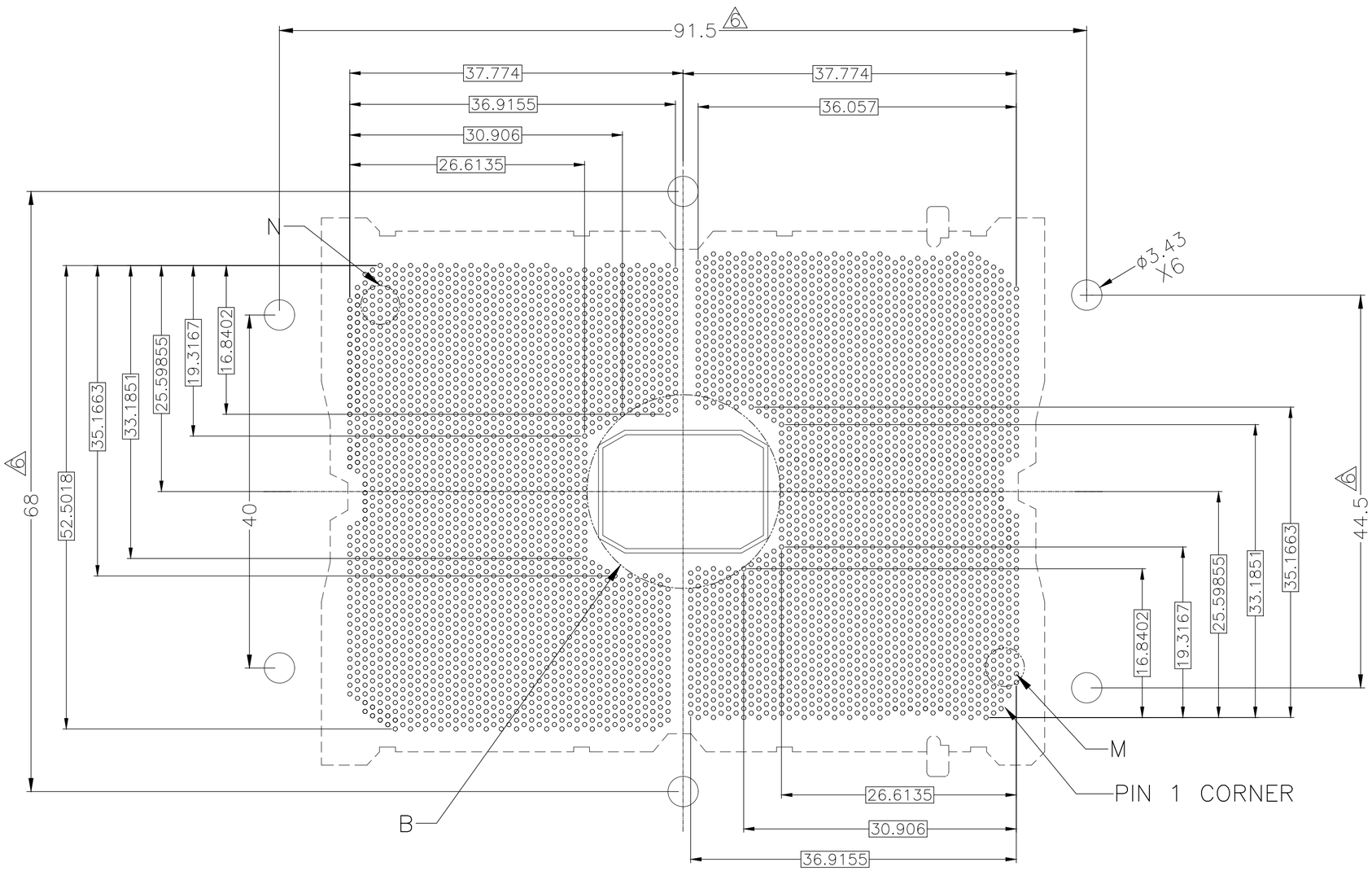
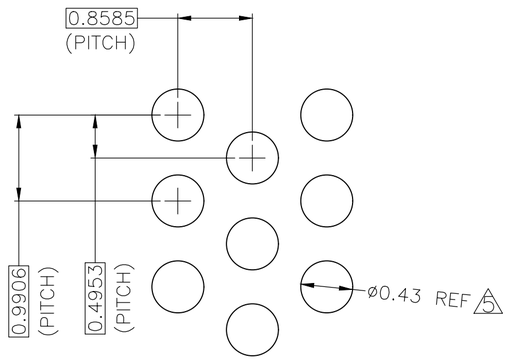
|---|---|
| ES | — |

REVISIONS

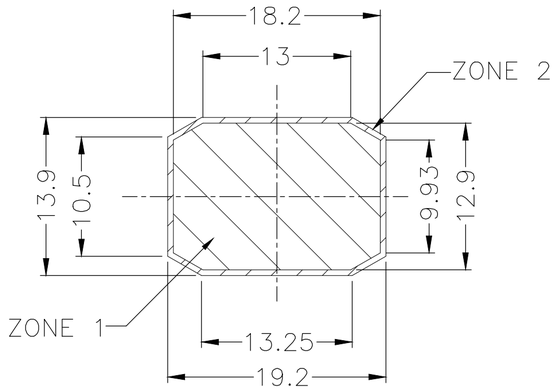
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | – | SEE SHEET 1 | – | – | – |



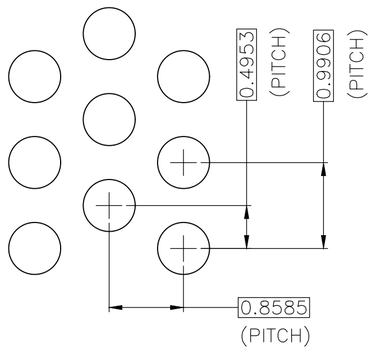

PCB BALL LAYOUT REFERENCE




DETAIL M(20:1)




DETAIL B




DETAIL N(20:1)

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.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± – ±0.3
2 PLC ± – ±3°
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL –
FINISH –

DWN —
CHK –
APVD –
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME SOCKET ASSY LGA4189–X

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C-2324271 | — |

CUSTOMER DRAWING | SCALE NTS | SHEET 5 OF 7 | REV 8

2324271

1471–9 (3/11)

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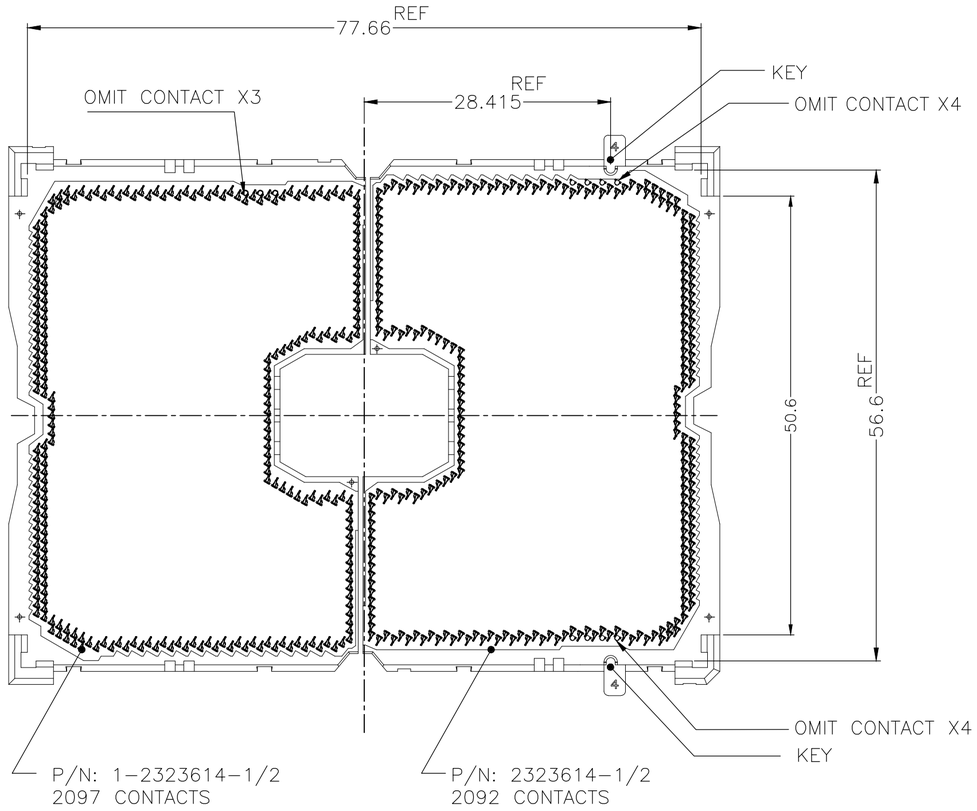
|---|---|
| ES | — |

REVISIONS

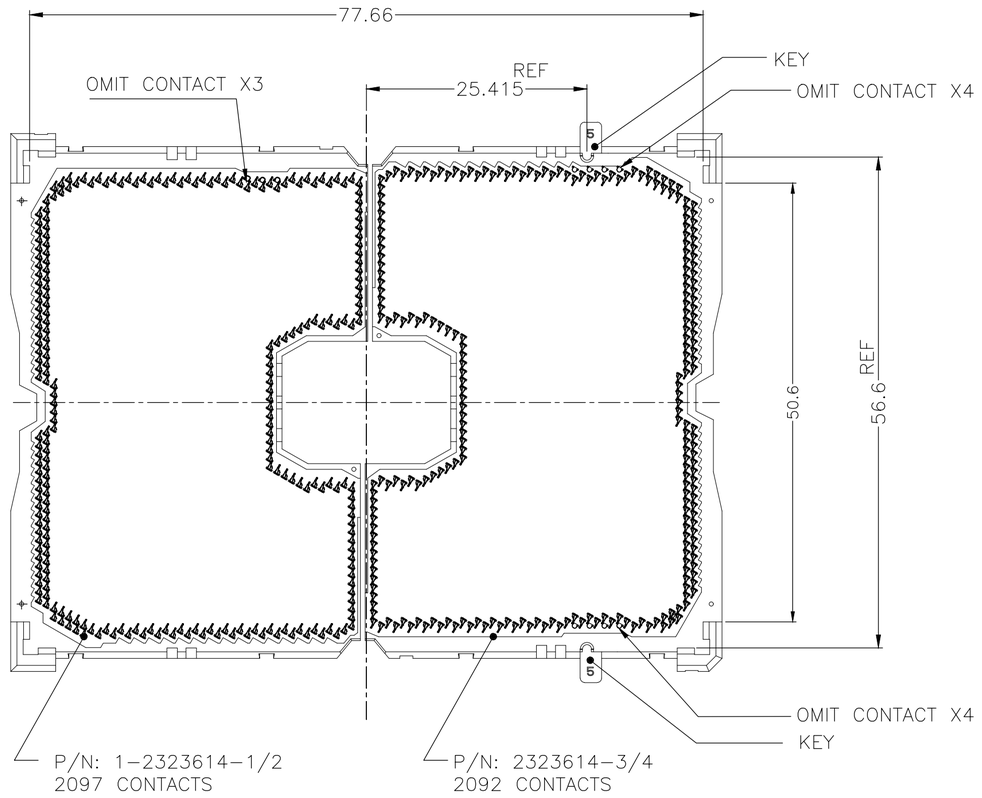
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | – | SEE SHEET 1 | – | — | — |

## 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)

| | | | |
|---|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN — | TE Connectivity |
| DIMENSIONS: mm | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ±0.3 ; 2 PLC ± – ; 3 PLC ± – ±3° ; 4 PLC ± – ; ANGLES ± – | CHK – ; APVD – | NAME: SOCKET ASSY LGA4189–X |
| | | PRODUCT SPEC — ; APPLICATION SPEC — | SIZE A2 ; CAGE CODE 00779 ; DRAWING NO C-2324271 ; RESTRICTED TO — |
| MATERIAL – | FINISH – | WEIGHT — | CUSTOMER DRAWING ; SCALE NTS ; SHEET 6 OF 7 ; REV 8 |

2324271

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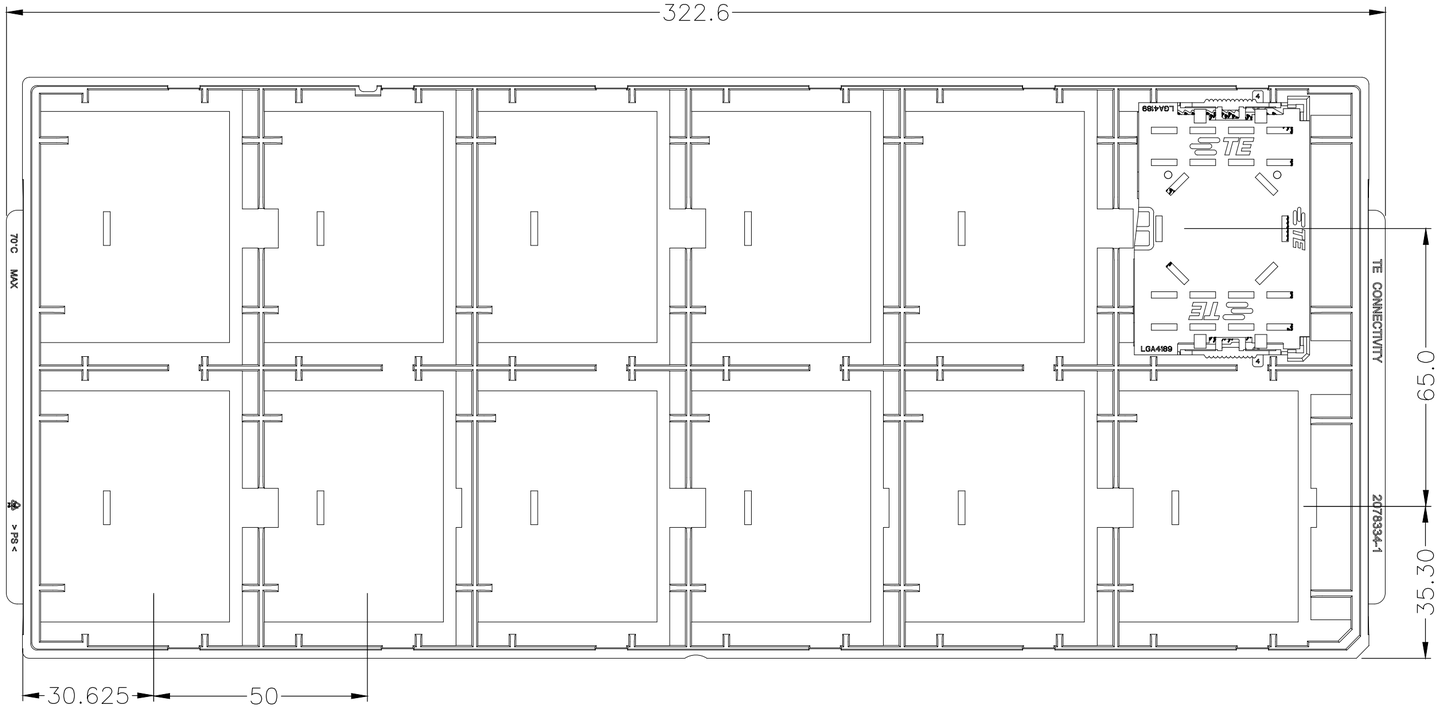
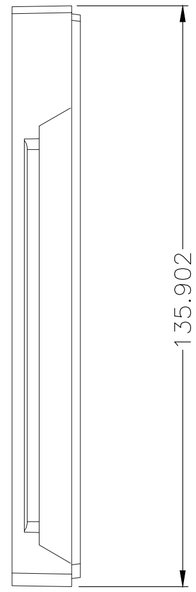
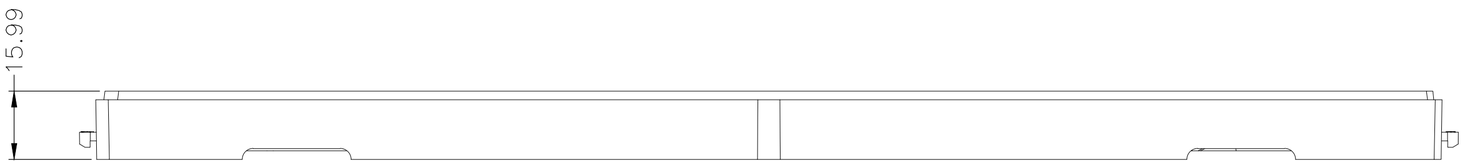
| LOC | DIST |
|---|---|
| ES | — |

REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | – | SEE SHEET 1 | – | — | — |




FOR LEFT SEGMENT,USE BLACK TRAY TO PACKAGE.
FOR RIGHT SEGMENT,USE BLUE TRAY TO PACKAGE.

# SOCKET P4/5 HARD TRAY

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

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DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± – ±0.5
2 PLC ± – ±3°
3 PLC ± –
4 PLC ± –
ANGLES ± –

MATERIAL –
FINISH –

DWN —
CHK –
APVD –
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

TE Connectivity

NAME SOCKET ASSY LGA4189–X

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A2 | 00779 | C–2324271 | — |

CUSTOMER DRAWING | SCALE NTS | SHEET 7 OF 7 | REV 8

2324271

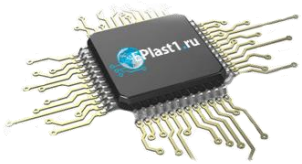
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

**Телефон:** 8 (812) 309 58 32 (многоканальный)
**Факс:** 8 (812) 320-02-42
**Электронная почта:** org@eplast1.ru
**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.