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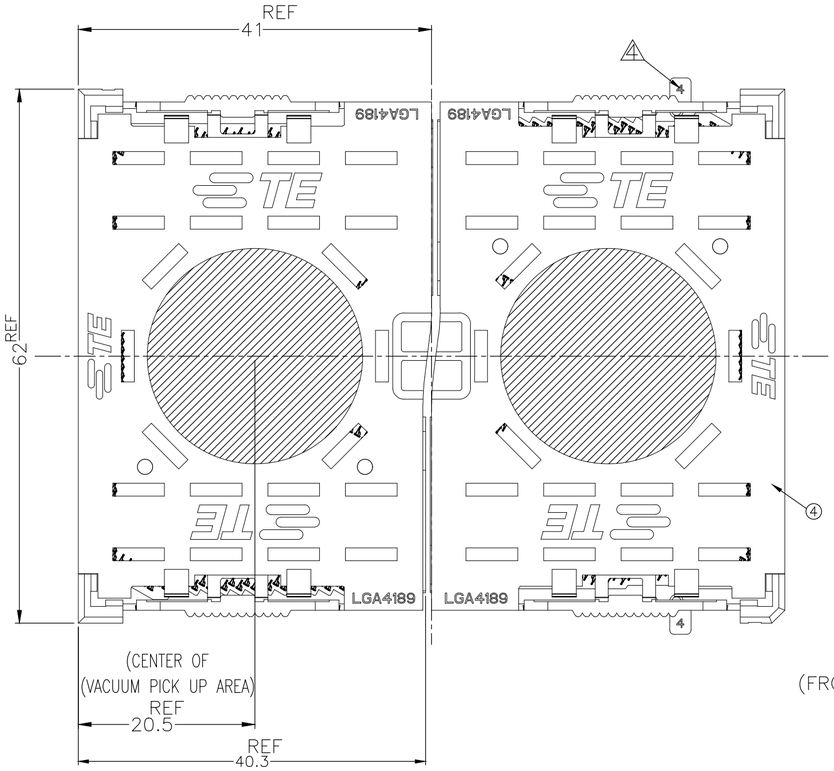
LOC	DIST
ES	–

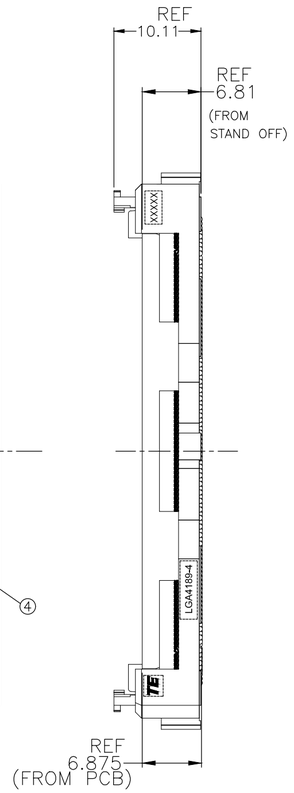
REVISIONS

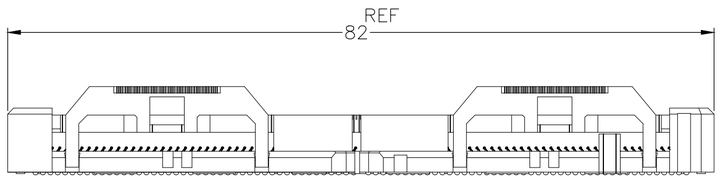
P	LTR	DESCRIPTION	DATE	DWN	APVD
	8	ADD GATE LOCATION	23Jun2019	B.L	S.L

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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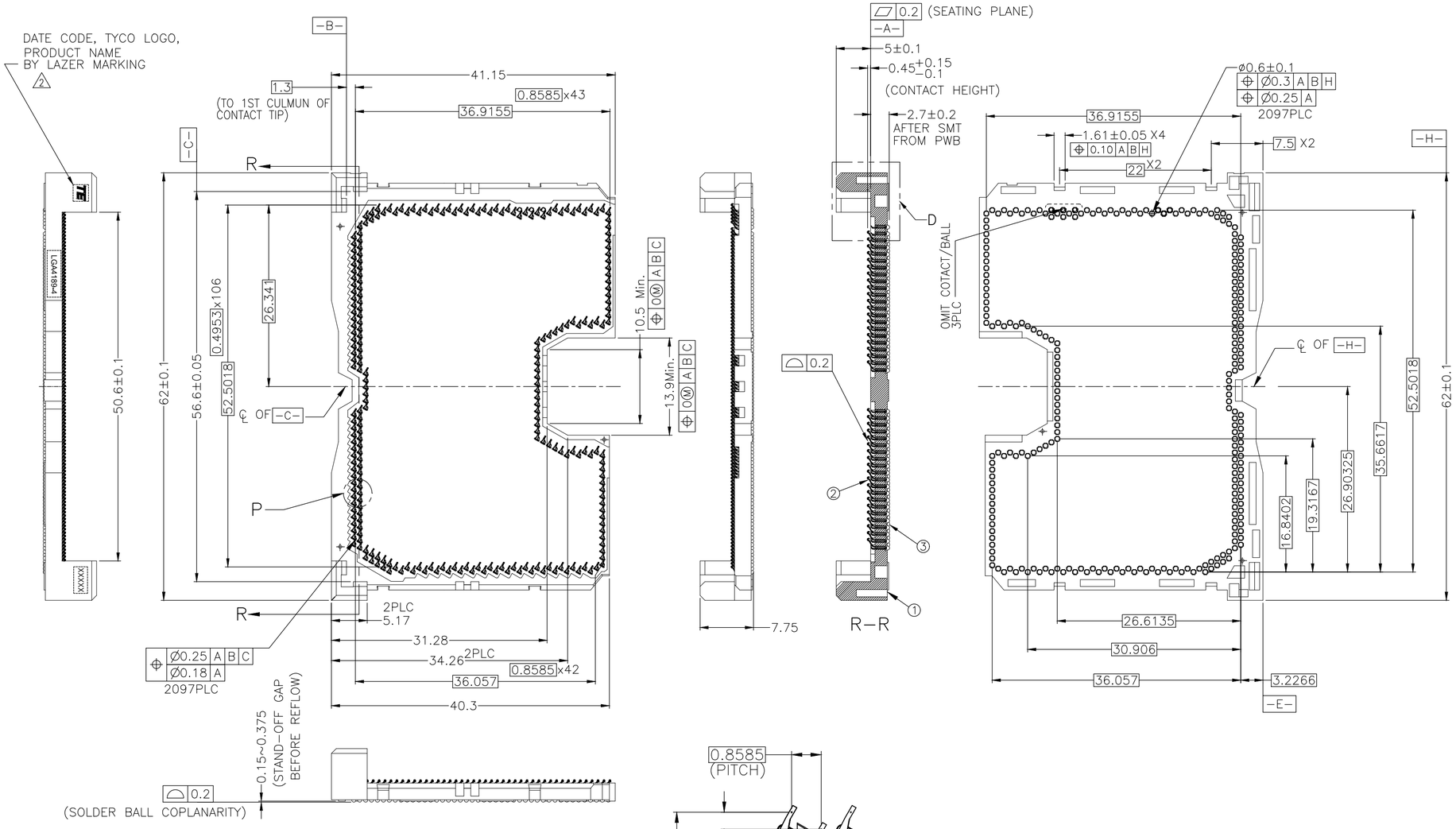
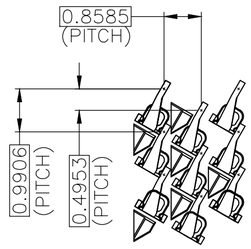
LOC	DIST
ES	—

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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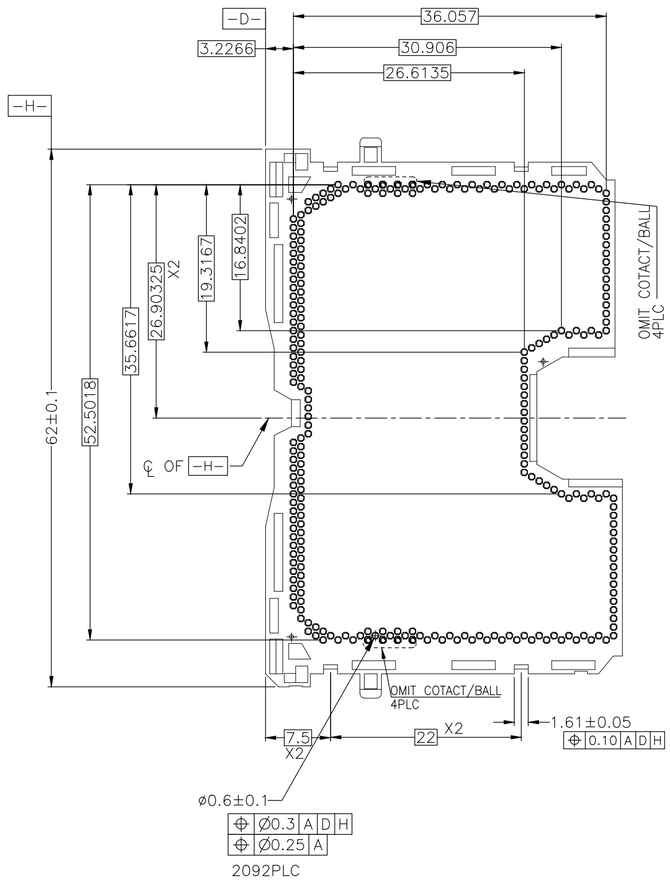
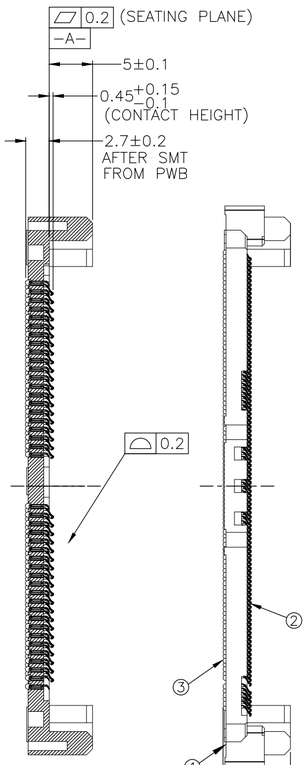
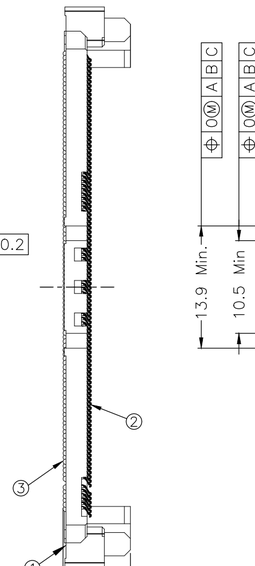
LOC	DIST
ES	—

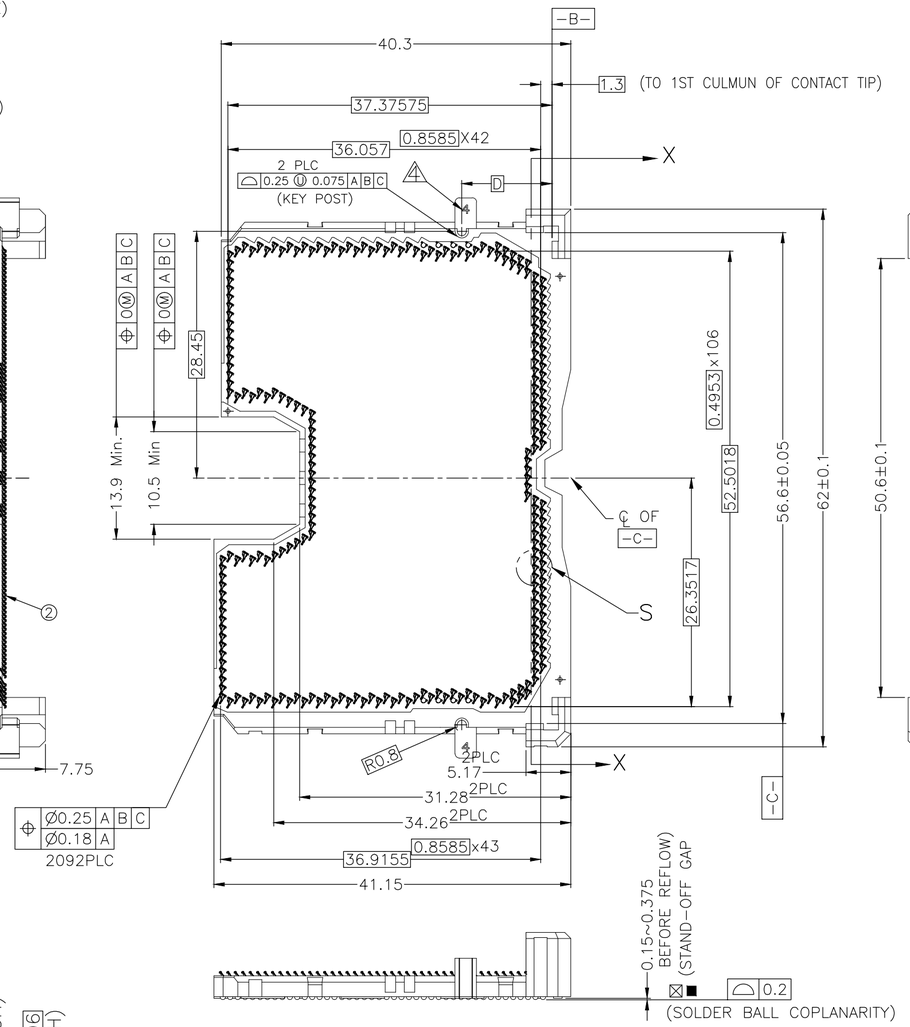
REVISIONS

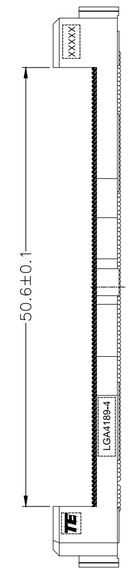
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—



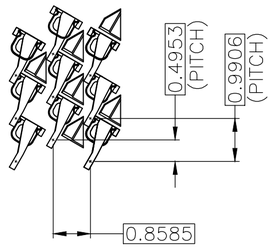








THESE VIEW DON'T SHOW CAP
BEFORE SMT CONDITION
LGA4189-4 RIGHT SIDE ASSY
2323614-* AS SHOWN



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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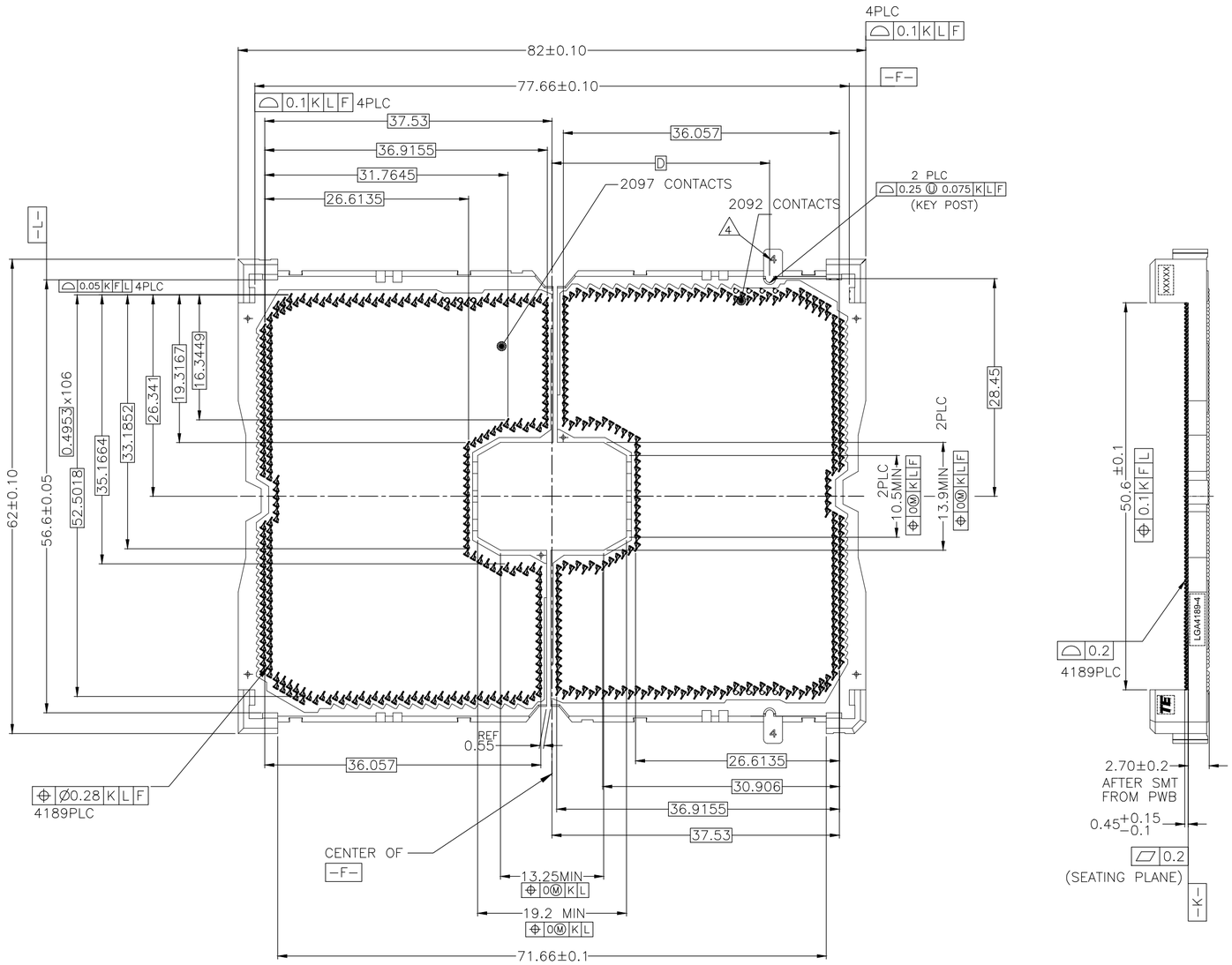
LOC	DIST
ES	—

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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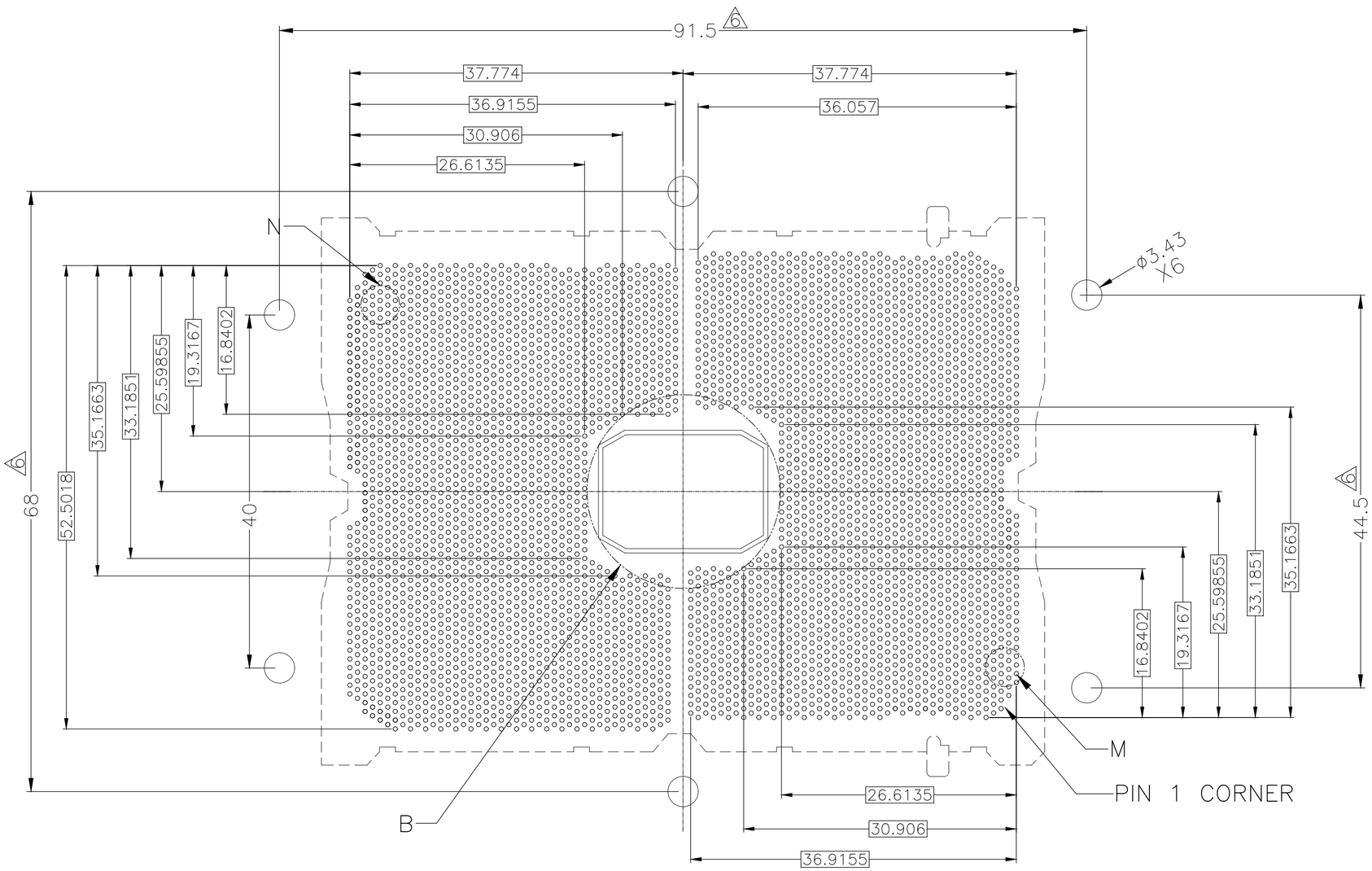
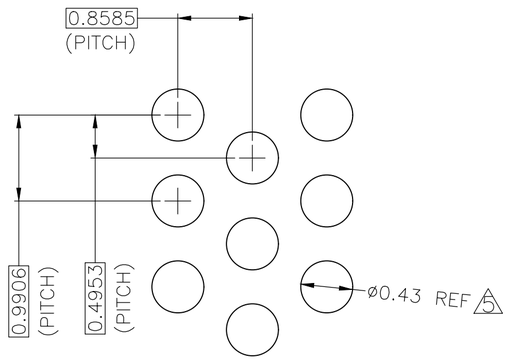
LOC	DIST
ES	—

REVISIONS

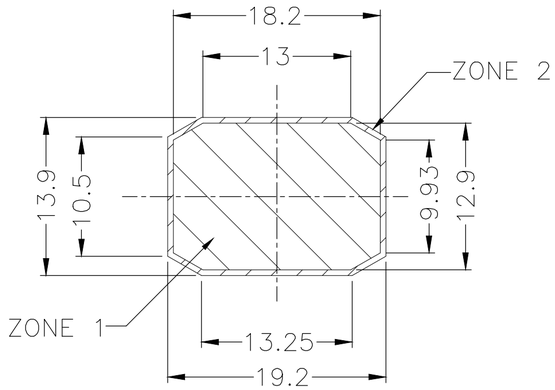
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	–	–



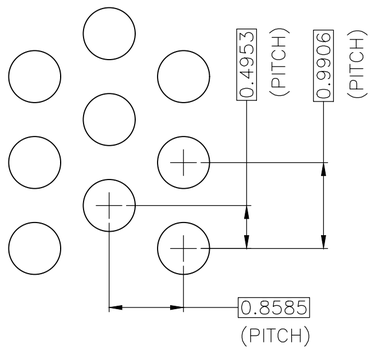
PCB BALL LAYOUT REFERENCE



DETAIL M(20:1)



DETAIL B



DETAIL N(20:1)

KOZ LEGEND FOR REFERENCE:

	ZONE 2: SOCKET CAVITY TO SOCKET ZONE. NO COMPONENT PLACEMENT ALLOWED 0.0mm HEIGHT RESTRICTION.
	ZONE 1: SOCKET CAVITY 1.222mm HEIGHT RESTRICTION.

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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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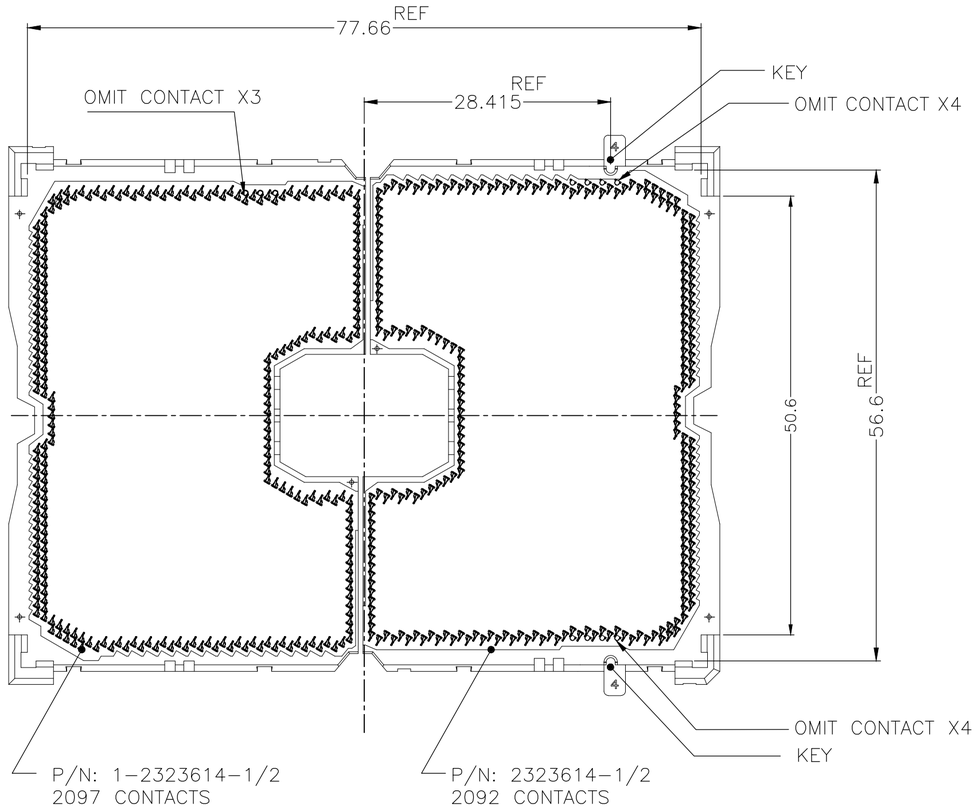
LOC	DIST
ES	—

REVISIONS

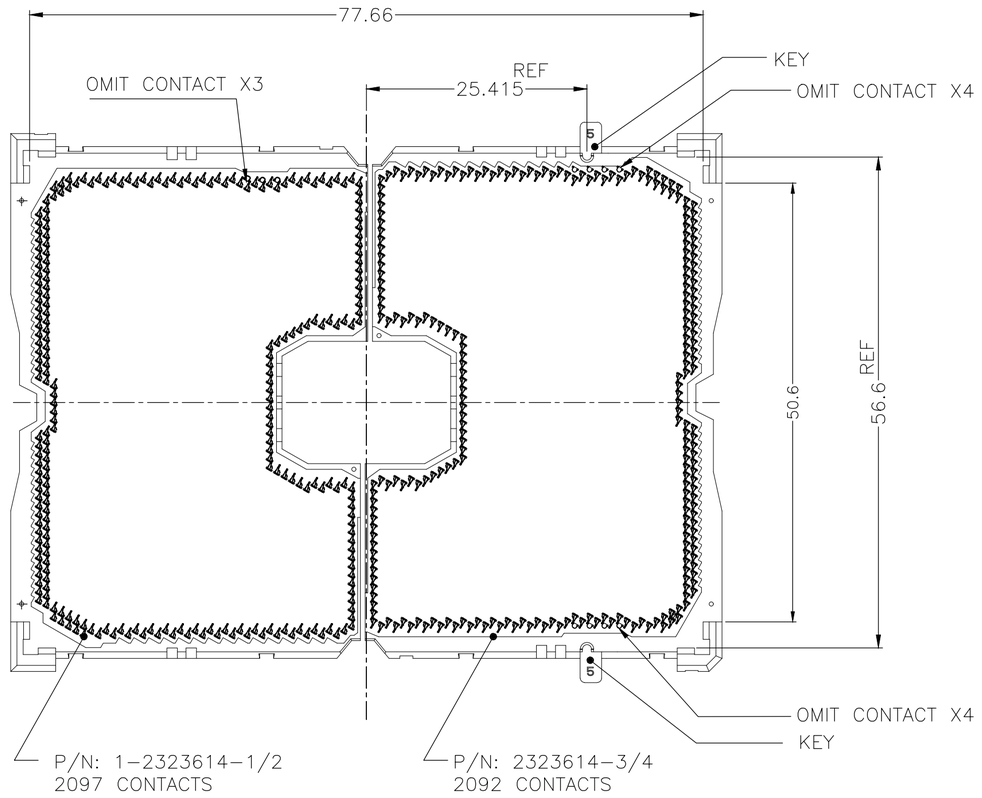
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

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)

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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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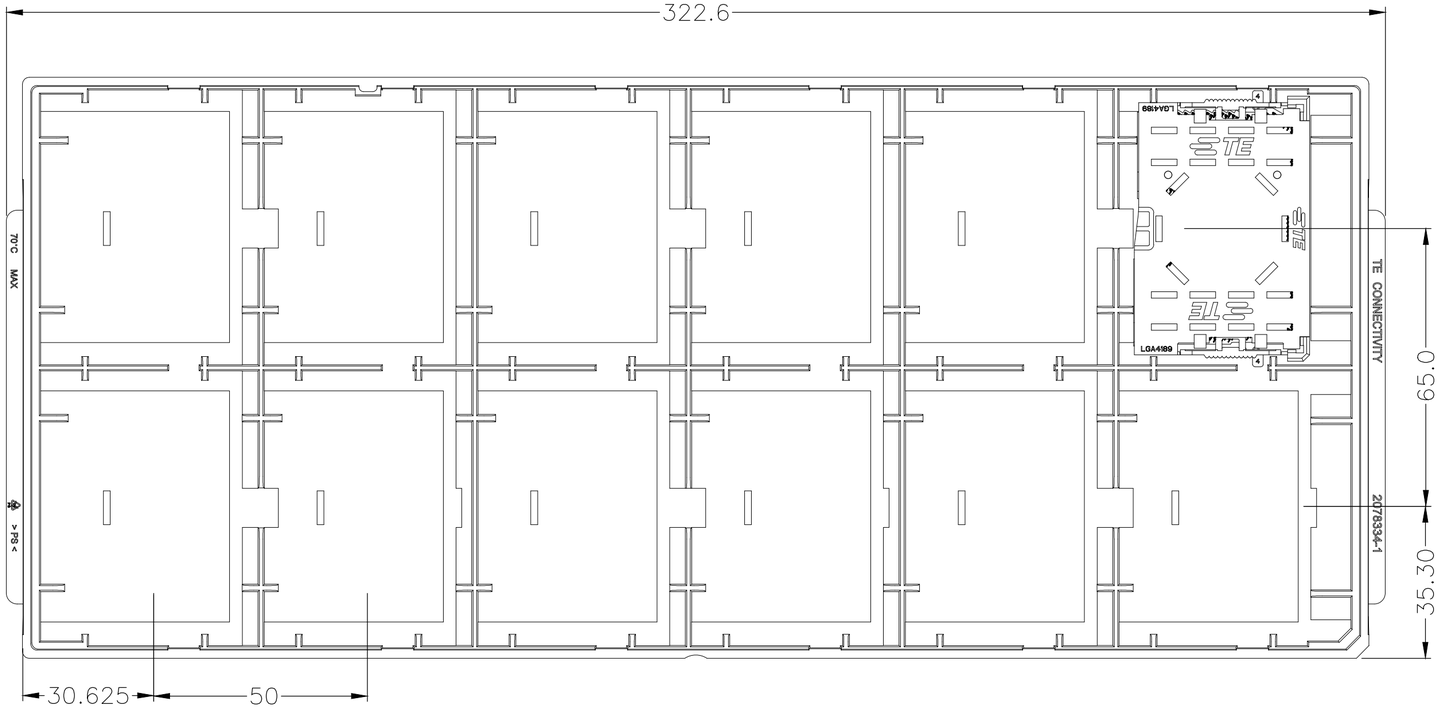
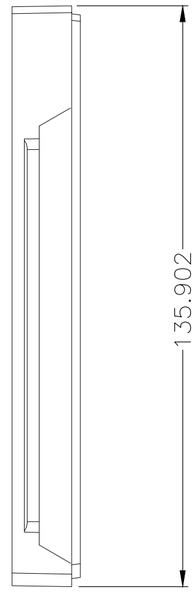
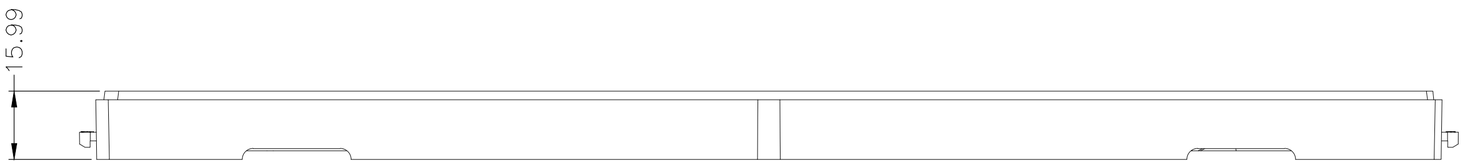
LOC	DIST
ES	—

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

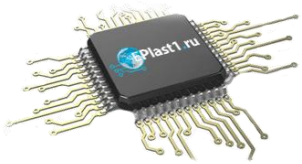
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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

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