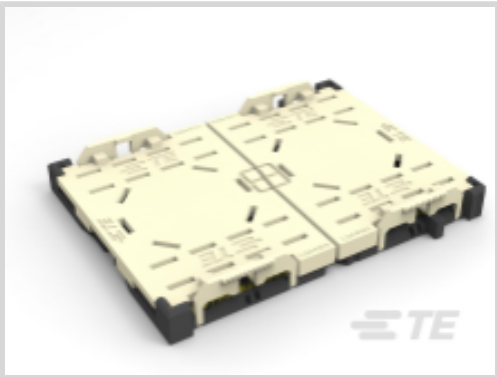




TE Internal #: 1-2324271-8
LGA 4189, 2097 Position, Surface Mount - Solder Ball, .9906 x .8585 mm [.039 x .0338 in] Grid, Board Mount, LGA Sockets
[View on TE.com >](#)

Connectors > Socket Connectors > IC Sockets > LGA Sockets



IC Socket Type: **LGA 4189**
Number of Positions: **2097**
Contact Mating Area Plating Material Thickness: **[15 µin]**
Termination Method to PCB: **Surface Mount - Solder Ball**
Grid Spacing: **.9906 x .8585 mm [.039 x .0338 in]**

Features

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Connector System	Board-to-Board

Configuration Features

Number of Positions	2097
Grid Spacing	.9906 x .8585 mm[.039 x .0338 in]

Body Features

Frame Style	C Shape
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Contact Features

Contact Mating Area Plating Material	Gold (Au)
Contact Base Material	Copper Alloy
IC Socket Type	LGA 4189
	15 µin
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to PCB	Surface Mount - Solder Ball
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features



Housing Material	High Temperature Thermoplastic
Housing Color	Black

Usage Conditions

Operating Temperature Range	-25 – 100 °C[-13 – 212 °F]
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Operation/Application

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Tray Color	Black
Packaging Method	Tray

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

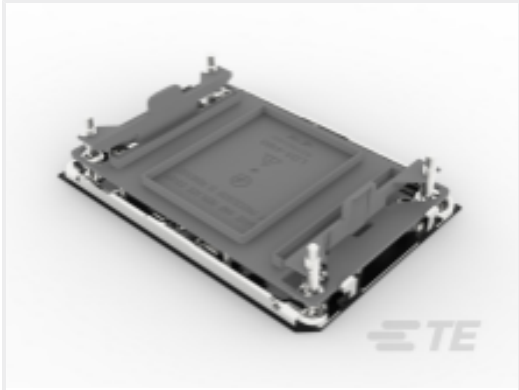
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>



Compatible Parts




TE Part # 3-2330550-1
SOCKET P5 BOLSTER PLATE ASSY, W /O COVER



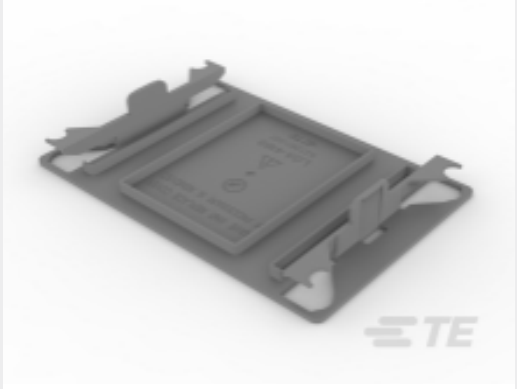
TE Part # 3-2330550-2
SOCKET P5 BOLSTER PLATE ASSY, W/ COVER



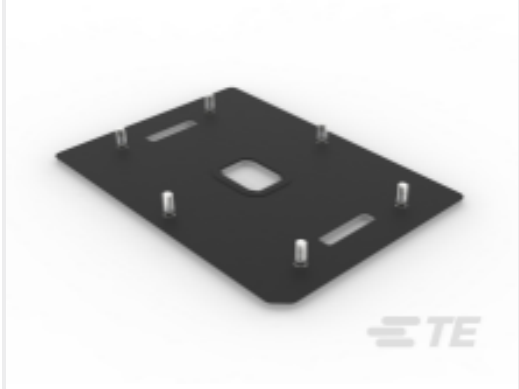
TE Part # 2-2330551-1
SOCKET P4/P5 BACKPLATE ASSY, STUD 6.02MM



TE Part # 3-2330552-1
CPX-6 POINT PHM ASSY, P5

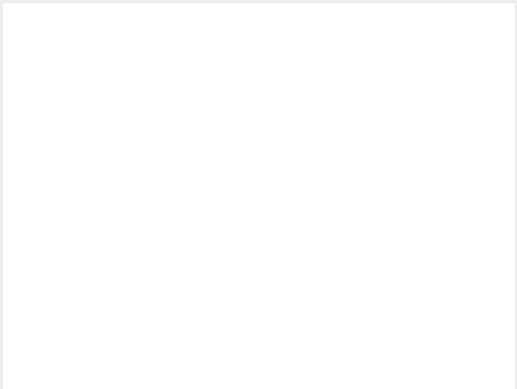


TE Part # 2-2330553-1
SOCKET P4/P5 DUST COVER, LGA4189

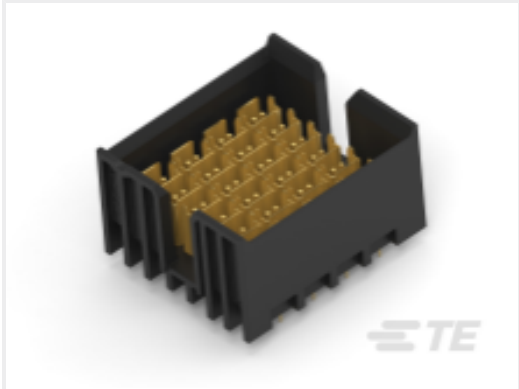


TE Part # 2-2330551-2
SOCKET P4/P5 BACKPLATE ASSY, STUD 7.12MM


Customers Also Bought



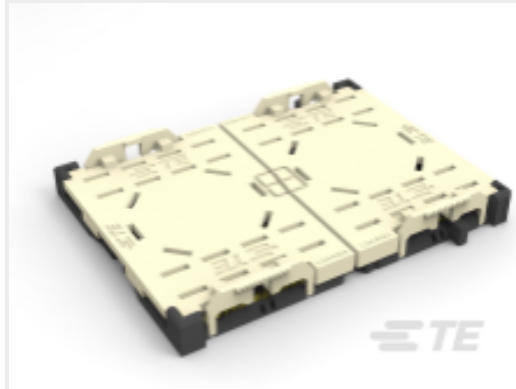
TE Part #6-2340321-9
ASSY STR 168P 076 SLIVER 2.0W/O SCREW




TE Part #2274854-1
SW HDR ASM, 4P, 6C, 85O, PIC




TE Part #2007882-3
IMP100S,H,V6P10C,UG,DEW46,5.5




TE Part #1-2324271-7
RIGHT SEGMENT LGA4189-5 SOCKETP5 FOR ODM




TE Part #1-1734774-2
PCI EXP 3.1L 98 POS BLK 15u"




TE Part #6450571-3
R/A press-fit 24S+12HDP




TE Part #1735805-5
0.8FH,R13H.5,120,08/Sn,TR,WSC



TE Part #2332139-3
RECEPT ASSY, 140 POS, VERT, SLIVER 2.0



TE Part #2299806-1
NRW NON-FABRIC , SOCKET P0



TE Part #2356580-1
SOCKET P4 TFLM KIT W/O COVER



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2324271-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2324271-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2324271-8_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

LGA 4189 Socket and Hardware

English

1-1773982-5-lga_4189_flyer_cn

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English