



Connectors > Socket Connectors > IC Sockets > LGA Sockets



IC Socket Type: **LGA 4677**

Connector System: **Board-to-Component**

Number of Positions: **4677**

Contact Mating Area Plating Material Thickness: **[30 μin]**

PCB Mounting Style: **Surface Mount Solder Ball**

Features

Product Type Features

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

Configuration Features

Number of Positions	4677
Grid Spacing	.81389 x .9398 mm

Body Features

Frame Style	Square
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Contact Features

Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Alloy
IC Socket Type	LGA 4677
	30 μin
Contact Current Rating (Max)	.5 A

Mechanical Attachment

PCB Mounting Style	Surface Mount Solder Ball
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Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Housing Color	Black

Usage Conditions

Operating Temperature Range	-40 – 100 °C
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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

Other

Socket Connector Comment	Lead-Free Solderball
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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 2023 (233) Candidate List Declared Against: JAN 2023 (233) 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 # 1-2351052-2
SOCKET E1, E1B CARRIER ASSY



TE Part # 1-2351052-5
SOCKET E1, E1A CARRIER ASSY



TE Part # 1-2351052-6
SOCKET E1, E1C CARRIER ASSY



TE Part # 1-2351053-2
SOCKET E1 DUST COVER



TE Part # 2-2351050-4
SOCKET E1 TFLM ASSY,W/O COVER



TE Part # 2-2351050-5
SOCKET E1 TFLM ASSY,W/ COVER



TE Part # 2351051-1
SOCKET E1 BACKPLATE ASSY,SHORT STUD



TE Part # 2351051-2
SOCKET E1 BACKPLATE ASSY,LONG STUD

Customers Also Bought



TE Part #1-2324271-3
RIGHT SEGMENT LGA4189-4
SOCKETP4 FOR ODM



TE Part #2-2330550-2
SOCKET P4 BOLSTER PLATE ASSY,
W/ COVER



TE Part #1-2324271-4
LEFT SEGMENT LGA4189-4 SOCKET-
P4 FOR ODM



TE Part #1-2351052-2
SOCKET E1, E1B CARRIER ASSY



TE Part #1-2351052-5
SOCKET E1, E1A CARRIER ASSY



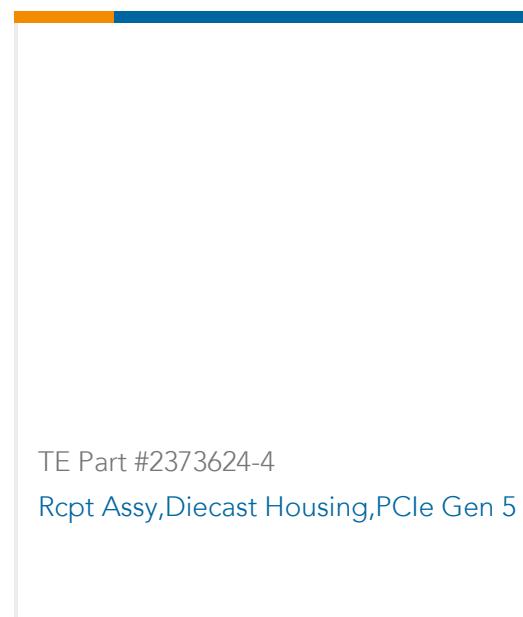
TE Part #1-2351053-2
SOCKET E1 DUST COVER



TE Part #2-2340321-1
ASSY STRADDLE MOUNT 168P 093
SLIVER 2.0



TE Part #2-2351050-4
SOCKET E1 TFLM ASSY,W/O COVER



Documents

Product Drawings

[SOCKET E1 DG1.0 FOR ODM](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2-2347090-1_7.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2347090-1_7.3d_igs.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-2347090-1_7.2d_dxf.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English