



Connectors > Socket Connectors > IC Sockets > LGA Sockets



IC Socket Type: **LGA 4677**

Number of Positions: **4677**

Contact Mating Area Plating Material Thickness: [30 μin]

Termination Method to PCB: **Surface Mount - Solder Ball**

Grid Spacing: **.81389 x .9398 mm**

Features

Product Type Features

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

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

Termination Features

Termination Method to PCB	Surface Mount - Solder Ball
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Housing Features

Housing Material	LCP
Housing Color	Black

Usage Conditions

Operating Temperature Range	-40 – 100 °C[-40 – 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 # 1-2351053-2
LGA4677 SOCKET COVER



TE Part # 2-2351050-5
LGA4677 TFLM ASSY,W/ COVER



TE Part # 2351051-1
LGA4677 BACKPLATE ASSY,SHORT STUD



TE Part # 1-2351052-6
LGA4677 E1C ASSY



TE Part # 1-2351052-5
LGA4677 E1A ASSY



TE Part # 1-2351052-2
LGA4677 E1B ASSY



TE Part # 2-2351050-4
LGA4677 TFLM ASSY,W/O COVER



TE Part # 2351051-2
LGA4677 BACKPLATE ASSY,LONG STUD

Customers Also Bought



TE Part #1-2351053-2
LGA4677 SOCKET COVER



TE Part #2351051-1
LGA4677 BACKPLATE ASSY,SHORT STUD



TE Part #1-2376822-1
LGA7529 BR1A ASSY



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



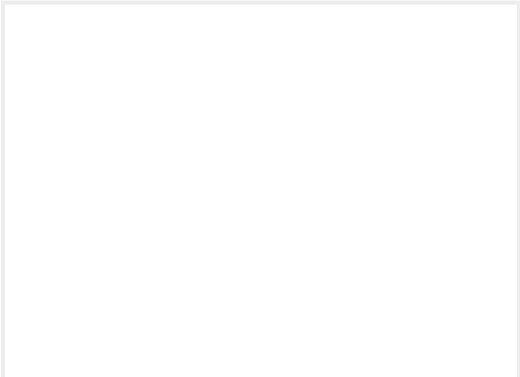
TE Part #2-2351050-4
LGA4677 TFLM ASSY,W/O COVER



TE Part #2351051-2
LGA4677 BACKPLATE ASSY,LONG STUD



TE Part #2373624-4
Rcpt Assy,Diecast Housing,PCIe Gen 5



TE Part #2418324-1
DDR5 NORMAL BLACK HSG & BLACK LATCH



TE Part #2418324-2
DDR5 NORMAL NATURALHSG &
NATURAL LATCH

TE Part #2379420-2
SOCKET E1 TFLM KIT W/ COVER

Documents

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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