

2-2347090-1 ✓ ACTIVE

TE Internal #: 2-2347090-1

LGA Sockets, LGA 4677, 4677 Position, Surface Mount Solder Ball Mount, Grid Spacing .81389 x .9398 mm

[View on TE.com >](#)



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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 #6-5353606-6  
.5FHR04H,220,S,GIG,08/Sn,HT,SEYes



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



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



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



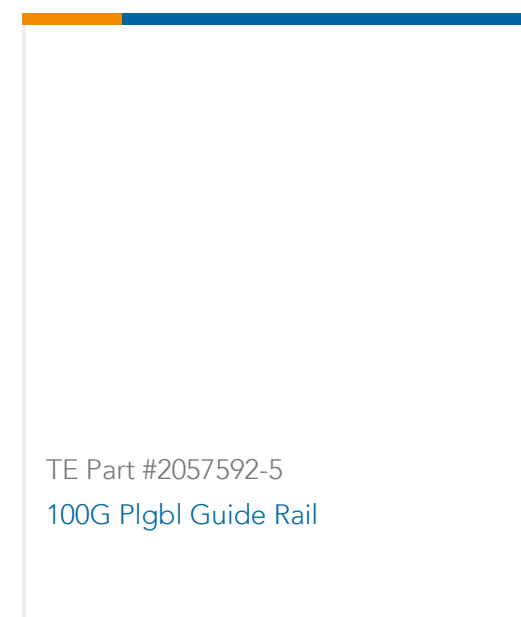
TE Part #2-2351050-4  
SOCKET E1 TFLM ASSY,W/O COVER



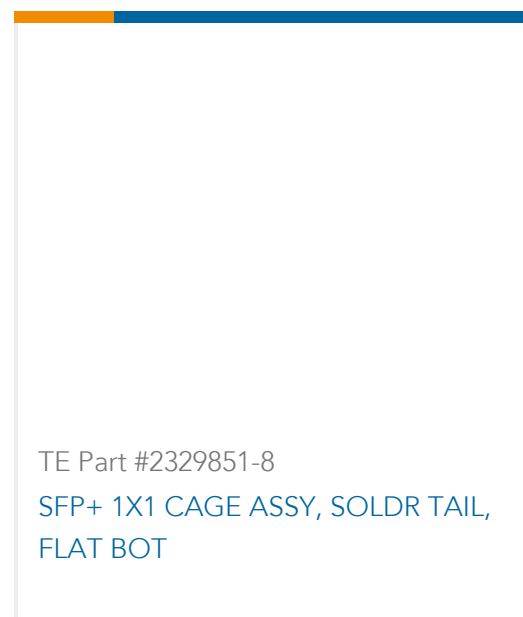
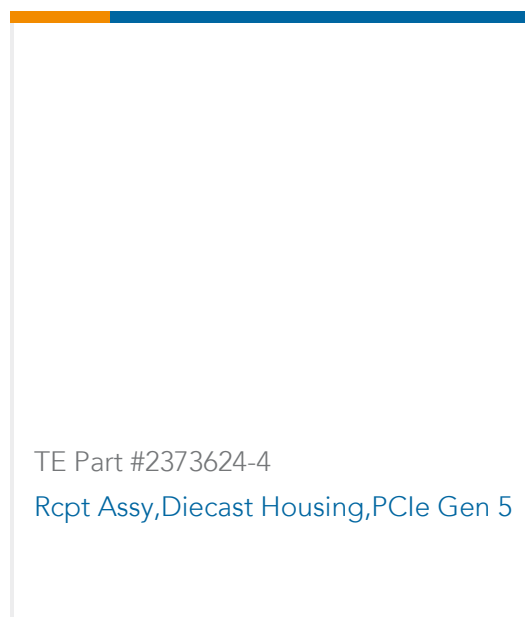
TE Part #2351051-1  
SOCKET E1 BACKPLATE ASSY,SHORT  
STUD



TE Part #6450821-6  
MBXL VERT HDR 12S+2HDP+12LP



TE Part #2057592-5  
100G Plgbl Guide Rail



## 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

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

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English