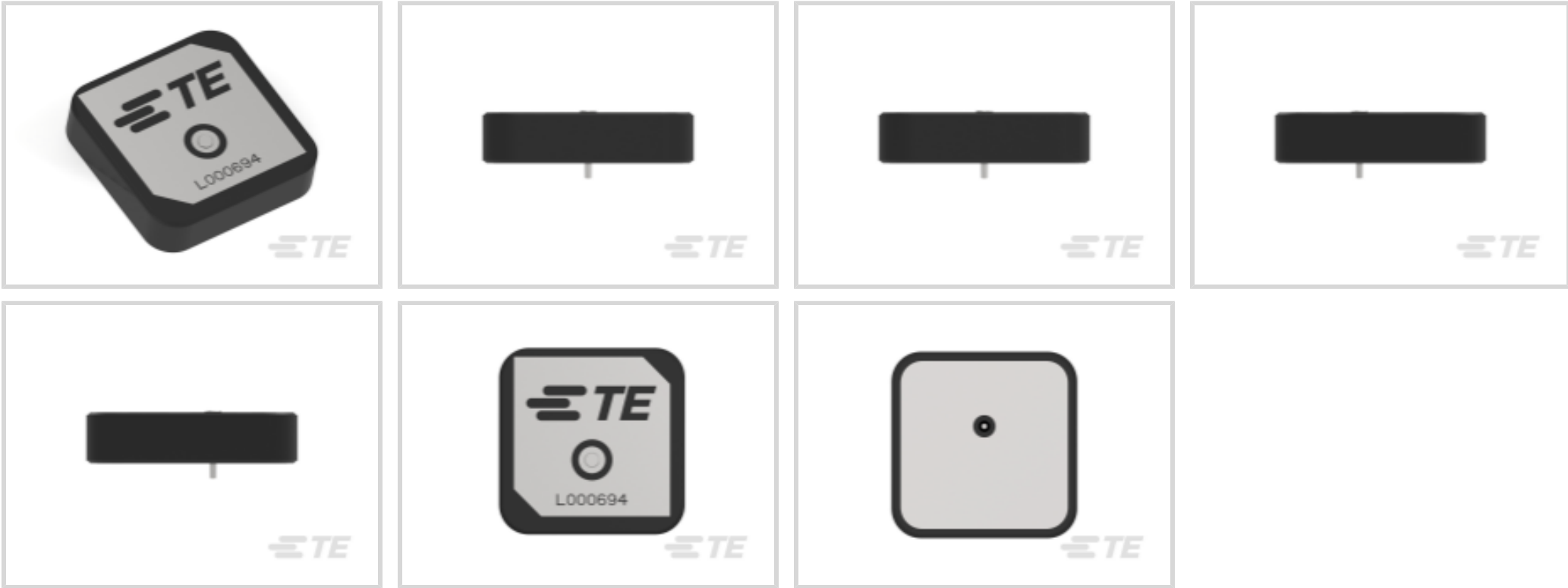




Antennas



Communication Protocol: **GNSS**

Mounting Location: **Internal/Embedded**

Mounting Type: **Solder**

Frequency Category: **1420 – 1620**

Antenna Type: **Patch**

Features

Product Type Features

|                      |         |
|----------------------|---------|
| Antenna Termination  | Solder  |
| Antenna Product Type | Antenna |

Configuration Features

|                    |                   |
|--------------------|-------------------|
| Antenna Style      | Patch             |
| Mounting Location  | Internal/Embedded |
| Antenna Type       | Patch             |
| Band Type          | Single Band       |
| Port Configuration | Single Port       |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Impedance         | 50 Ω    |
| Antenna Operation | Passive |
| VSWR (Max)        | <2.6:1  |

Signal Characteristics

|                |                 |
|----------------|-----------------|
| Frequency Band | 1561 – 1602 MHz |
| Gain (Max)     | 5.5 dB          |



|                    |             |
|--------------------|-------------|
| Frequency Category | 1420 – 1620 |
|--------------------|-------------|

|           |           |
|-----------|-----------|
| Peak Gain | 3 < 6 dBi |
|-----------|-----------|

Body Features

|                |               |
|----------------|---------------|
| Antenna Weight | 16 g[.564 oz] |
|----------------|---------------|

Mechanical Attachment

|              |       |
|--------------|-------|
| Polarization | Right |
|--------------|-------|

|               |        |
|---------------|--------|
| Mounting Type | Solder |
|---------------|--------|

Dimensions

|               |                |
|---------------|----------------|
| Product Width | 25 mm[.984 in] |
|---------------|----------------|

|                |                |
|----------------|----------------|
| Product Length | 25 mm[.984 in] |
|----------------|----------------|

|                |               |
|----------------|---------------|
| Product Height | 6 mm[.236 in] |
|----------------|---------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Antenna Environment | Indoor |
|---------------------|--------|

|                   |     |
|-------------------|-----|
| Wireless Standard | GPS |
|-------------------|-----|

|                |                 |
|----------------|-----------------|
| Directionality | Omnidirectional |
|----------------|-----------------|

Industry Standards

|                        |      |
|------------------------|------|
| Communication Protocol | GNSS |
|------------------------|------|

|                     |      |
|---------------------|------|
| Primary Application | GNSS |
|---------------------|------|

Product Availability

|                   |        |
|-------------------|--------|
| Applicable Region | Global |
|-------------------|--------|

Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

Other

|                 |          |
|-----------------|----------|
| Precision Level | Standard |
|-----------------|----------|

Product Compliance

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

|                              |                           |
|------------------------------|---------------------------|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
|------------------------------|---------------------------|

|                             |                  |
|-----------------------------|------------------|
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
|-----------------------------|------------------|

|                                               |                                                           |
|-----------------------------------------------|-----------------------------------------------------------|
| China RoHS 2 Directive MIIT Order No 32, 2016 | 未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance |
|-----------------------------------------------|-----------------------------------------------------------|

|                                        |  |
|----------------------------------------|--|
| EU REACH Regulation (EC) No. 1907/2006 |  |
|----------------------------------------|--|



Current ECHA Candidate List: JUNE 2025 (250)

Candidate List Declared Against: JUNE 2025 (250)

SVHC > Threshold:

Pb (3.28% in Component Part)

Article Safe Usage Statements:  
Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

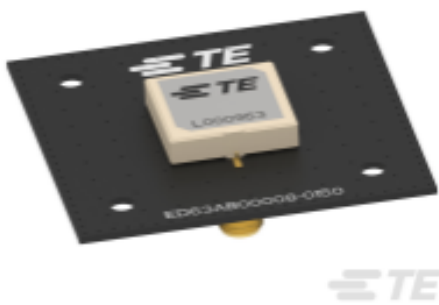
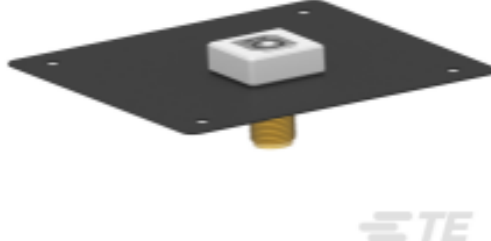
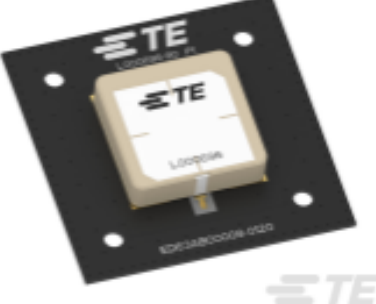
Solder Process Capability

Not reviewed for solder process capability

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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

|                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                            |                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # L000953-80<br/>Ceramic Patch ant with EVB, 1575-1602MHz</p> |  <p>TE Part # ANT-GNSSCP-TH25L1<br/>Antenna GNSS L1 25x25 THM</p>         |  <p>TE Part # L001119-01<br/>PATCH ANT 900-928MHz Adh MOUNT SMD</p>   |  <p>TE Part # L000953-01<br/>Ceramic Patch ant, 1575-1602MHz, 18x18x4</p> |
|  <p>TE Part # ANT-GNSSCP-TH18L1<br/>Antenna GNSS L1 18x18 THM</p>         |  <p>TE Part # L000696-01<br/>Ceramic Patch ant, 1561-1602MHz, 25x25x6</p> |  <p>TE Part # L000691-80<br/>Ceramic Patch with EVB, 1561-1602MHz</p> |  <p>TE Part # L000696-80<br/>Ceramic Patch with EVB, 1561-1602MHz</p>     |



TE Part # L000691-01  
Ceramic Patch ant, 1561-1602MHz, 20x20x6

Customers Also Bought



TE Part #L000694-80  
Ceramic Patch with EVB, 1561-1602MHz



TE Part #1461405-5  
OJ-SH-112HM,000



TE Part #2199249-4  
Shield Finger, Loose Piece, Type B, 2.3h

Documents

Product Drawings

Ceramic Patch ant, 1561-1602MHz, 25x25x6

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_L000694-01\_1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_L000694-01\_1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_L000694-01\_1.3d\_stp.zip

English

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

Datasheets & Catalog Pages

Ceramic Patch ant, 1561-1602MHz, 25x25x6

English

GNSS-L1-PASSIVE-CERAMIC

English

Product Specifications

Product Specification

L000694-01

Patch Antenna, Single Band, GNSS, Internal/Embedded Mount, Solder, Solder,  
Omnidirectional, Single Port, 3 < 6 dBi Peak Gain



English