

# 36501E30NJTDG ✓ ACTIVE

Sigma | Sigma 3650

TE Internal #: 5-1624112-1

High Frequency Inductor, 0402, .03  $\mu$ H, 400 mA, .35 ohm DC

Resistance, 5 %, Surface Mount, Taped & Reeled, 1.27 mm [.05 in]

Length, Sigma 3650

[View on TE.com >](#)



Passive Components > Inductors > High Frequency & RF Inductors



Inductor Type: **High Frequency**

Package Size Code: **0402**

Inductance: **.03  $\mu$ H**

Current Rating (Max): **400 mA**

DC Resistance: **.35  $\Omega$**

## Features

### Usage Conditions

Operating Temperature Range	-40 – 125 °C
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### Electrical Characteristics

Self Resonant Frequency	2.35 GHz
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Inductance	.03 $\mu$ H
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Current Rating (Max)	400 mA
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DC Resistance	.35 $\Omega$
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Passive Component Tolerance	5 %
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### Product Type Features

Inductor Type	High Frequency
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Package Size Code	0402
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Element Type	Wire Wound
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### Termination Features

Termination Method to PCB	Surface Mount
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### Dimensions

Product Length	1.27 mm [.05 in]
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Product Width	.76 mm [.029 in]
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Product Height	.61 mm [.024 in]
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### Packaging Features



Packaging Method	Taped & Reeled
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### Other

Inductor Quality Factor	25
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

## 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 4-1879023-8  
3650 1008 10uH 5% 2K RL



TE Part # 5-1624113-2  
3650 0805 0.22uH 5% 2K RL



TE Part # 4-1624112-4  
3650 0402 16nH 5% 2K RL

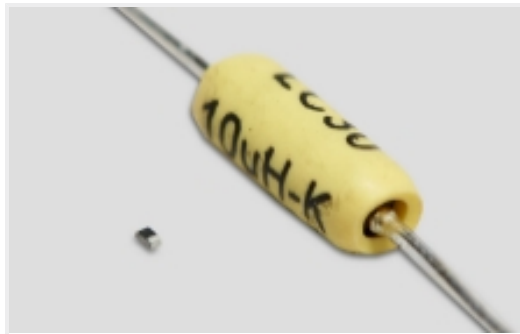


TE Part # 6-1624113-2  
3650 0805 0.56uH 5% 2K RL



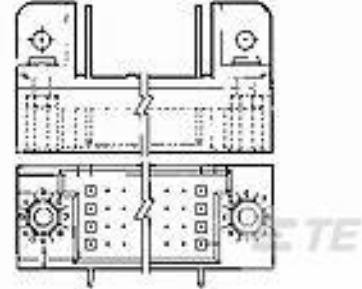
TE Part # 1624112-8  
3650 0603 68nH 5% 2K RL

Also in the Series | **Sigma 3650**



High Frequency & RF Inductors(226)

Customers Also Bought



TE Part #533286-2  
HDI PIN ASSY 4 ROW 120 POS R/A



TE Part #8-1623771-2  
C3A 3R9 5% AMMO PK



TE Part #5-862545-1  
LEAD, SGL END ASSY, LGH

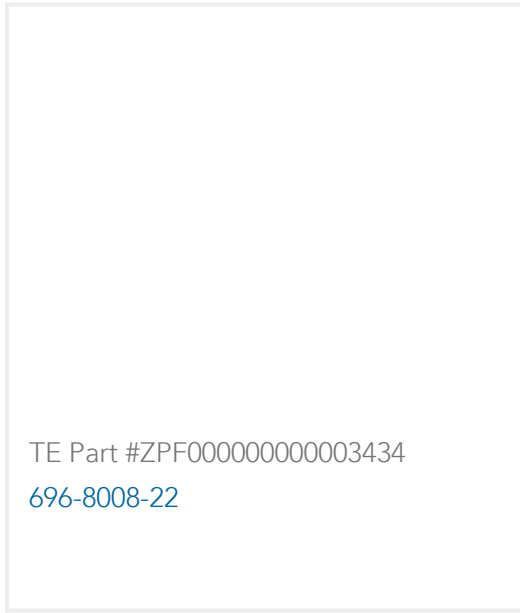
TE Part #ZPF00000000200235  
797-8010-05

TE Part #ZPF00000000207318  
983-7SE 08-03 S6-A1292

TE Part #ZPF00000000200234  
797-8010-04

TE Part #ZPF00000000200233  
797-8010-03

TE Part #ZPF00000000207320  
983-7SE 12-12 SN-A1292



## Documents

### Product Drawings

[3650 0402 30nH 5% 2K RL](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1624112-1\\_BA.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1624112-1\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_5-1624112-1\\_BA.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[1309350\\_PASSIVE\\_COMPONENT](#)

English

[Low Inductance, High Frequency Chip Inductors - Type 3650 Series](#)

English