



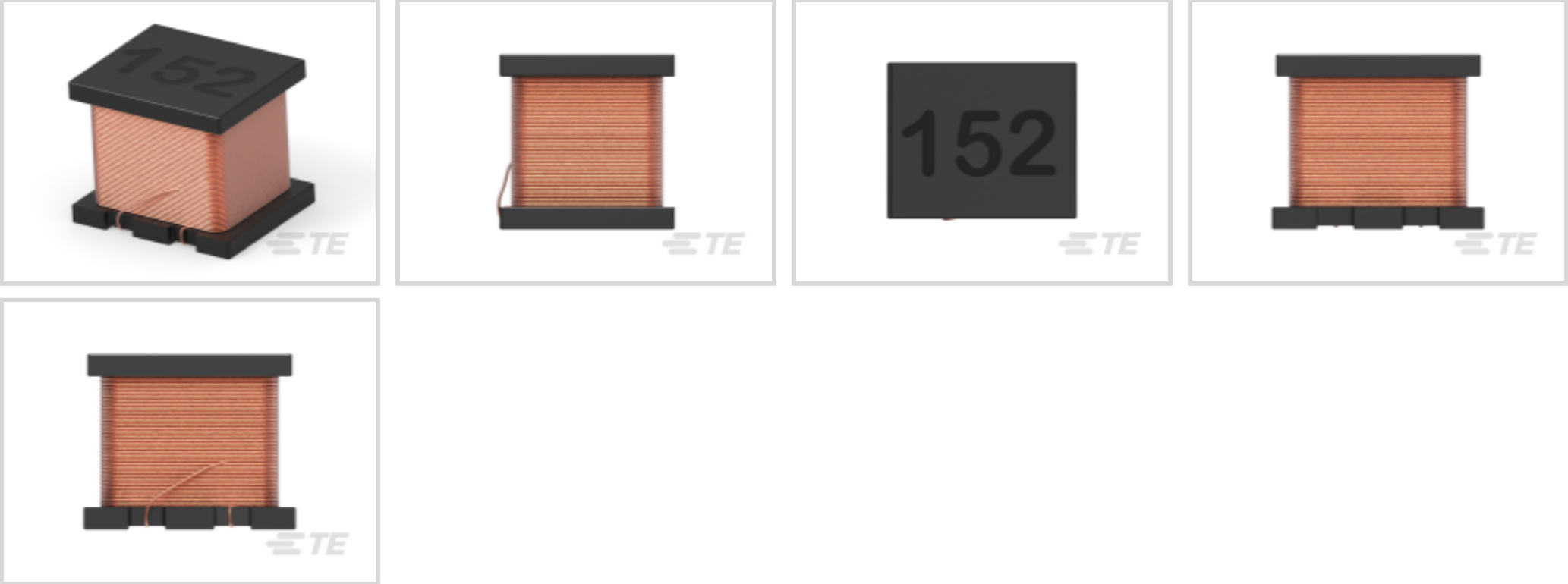
Sigma | Sigma 3627

TE Internal #: 2176641-5

1.5 μ H Power Inductor, 3700 mA, .031 ohm DC Resistance, 20 %, 5.7 mm [.224 in] Length, 5 mm [.196 in] Width, 4.7 mm [.185 in] Height, Sigma 3627

[View on TE.com >](#)

Passive Components > Inductors > Power Inductors



Inductance: 1.5 μ H
Current Rating (Max): 3700 mA
DC Resistance: .031 Ω
Passive Component Tolerance: 20 %
Shielded: No

Features

Product Type Features

Element Type	Wire Wound
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Electrical Characteristics

Inductance	1.5 μ H
Current Rating (Max)	3700 mA
DC Resistance	.031 Ω
Passive Component Tolerance	20 %

Dimensions

Product Length	5.7 mm[.224 in]
Product Width	5 mm[.196 in]
Product Height	4.7 mm[.185 in]

Usage Conditions

Operating Temperature Range	-40 – 125 $^{\circ}$ C[-40 – 257 $^{\circ}$ F]
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Operation/Application

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Shielded	No
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Packaging Features

Packaging Method	Taped & Reeled
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

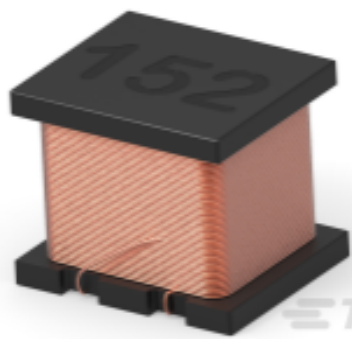
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 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

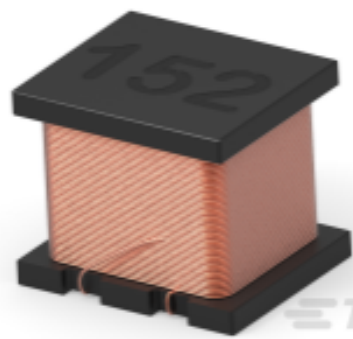
3627575047C1R5M

1.5 μ H Power Inductor, 3700 mA, .031 ohm DC Resistance, 20 %, 5.7 mm [.224 in] Length, 5 mm [.196 in] Width, 4.7 mm [.185 in] Height, Sigma 3627





TE Part # 2176641-6
[3627C 575047 2R2 20%](#)



TE Part # 2176641-4
[3627C 575047 1R0 20%](#)

Also in the Series | [Sigma 3627](#)



[Power Inductors\(168\)](#)

Customers Also Bought



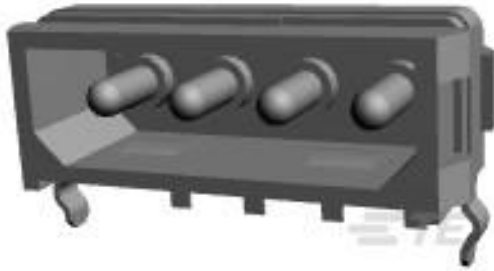
TE Part #CONUFL001-SMD-T
[U.FL/MHF1 Jack 50 Ohm PCB Surface Mount](#)



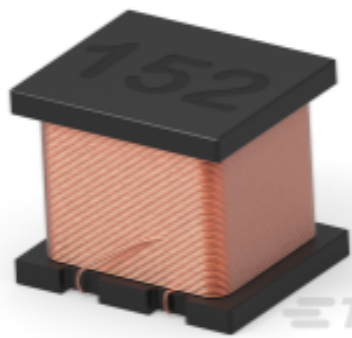
TE Part #TXM-433-LR
[Module LR 433MHz AM OOK TX XMTR](#)



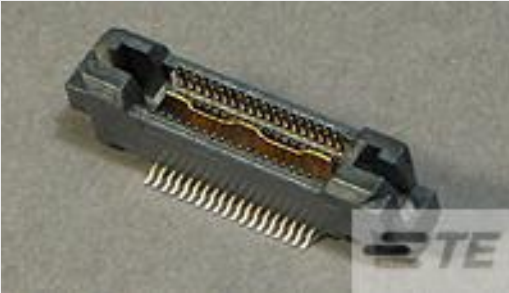
TE Part #BAT-HLD-003-SMT
[Hldr for CR2032 Battery, SMT, Blk Pkg](#)



TE Part #174552-1
[4P C-MNL PIN HDR R/A](#)



TE Part #2176641-4
[3627C 575047 1R0 20%](#)



TE Part #5767056-1
[MICT,260,PLUG,38,ASSY,PDNI](#)

Documents

[Product Drawings](#)
[3627C 575047 1R5 20%](#)

English

[CAD Files](#)
[Customer View Model](#)
[ENG_CVM_CVM_2176641-5_BA.2d_dxf.zip](#)

3627575047C1R5M

1.5 μ H Power Inductor, 3700 mA, .031 ohm DC Resistance, 20 %, 5.7 mm [.224 in]
Length, 5 mm [.196 in] Width, 4.7 mm [.185 in] Height, Sigma 3627



English

Customer View Model

[ENG_CVM_CVM_2176641-5_BA.3d_stp.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2176641-5_BA.3d_igs.zip](#)

English

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Datasheets & Catalog Pages

[Miniature_SMD_Power_Inductor-Type_3627_Series](#)

English