



Antennas > Rugged Vehicle Whip Antennas: No Ground Plane Required



Wireless Application: **IoT, LMR, M2M**

Antenna Connector Type: **NMO**

Antenna Style: **External**

Antenna Type: **Whip**

[All Rugged Vehicle Whip Antennas: No Ground Plane Required \(15\)](#)

Features

Product Type Features

Antenna Connector Type	NMO
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Configuration Features

Number of Ports	1
Antenna Style	External
Antenna Type	Whip

Signal Characteristics

Gain (Max)	5 dB
Frequency Band	450 – 470 MHz

Operation/Application

Coverage Type	Omnidirectional
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Industry Standards

Wireless Application	IoT, LMR, M2M
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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	Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2023
(233)

Not Yet Reviewed

Halogen Content

Not Yet Reviewed for halogen content

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



TE Part # B4505C
WHIP,MC,CC,450-470MHZ, TUN,5,CH, GP,



TE Part # B4505CNS
WHIP,MC,CC,450-470MHZ, TUN,5,CH, NGP,SPRI

Customers Also Bought



TE Part #B1442N
WHIP,MC,1/2,144-174MHZ TUN,2,4, CH,NGP,



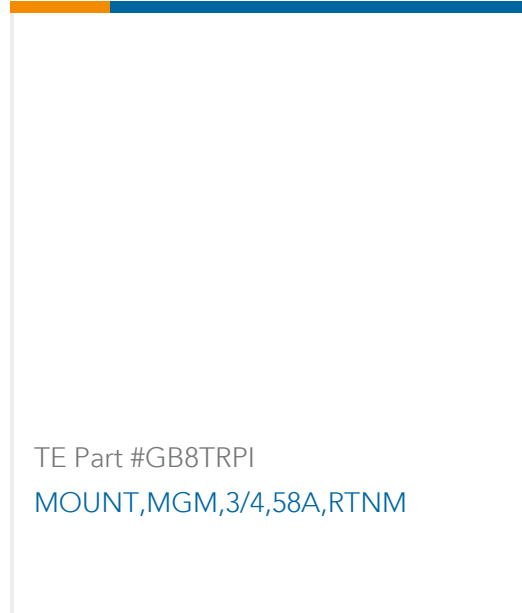
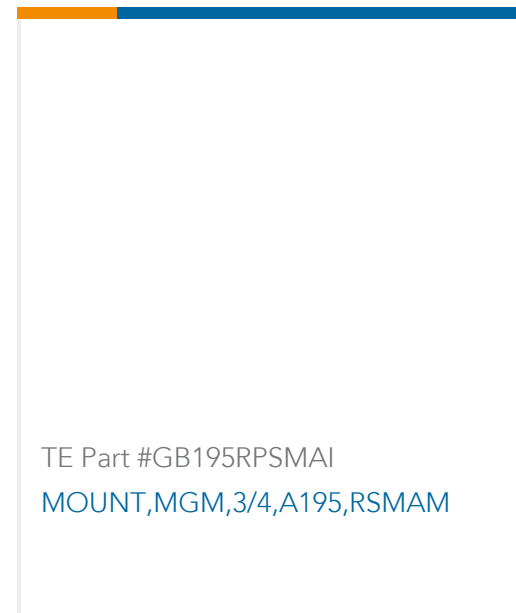
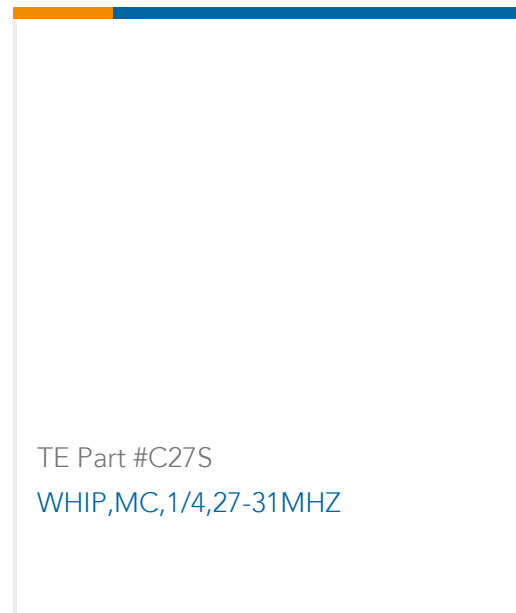
TE Part #B4063
WHIP,MC,5/8,406-430MHZ TUN,3,CH, GP,



TE Part #PAV90209H-FNF
Panel,LIN,FIXED,NF 902-928MHz,9dBi,



TE Part #TRA8903
OMNI,Ph,NMO,890-960MHz WHT, 3,100,



Documents

Datasheets & Catalog Pages

[Base Loaded Mobile Antennas 450-470 MHz](#)

English

[Mobile Load Coil Antennas](#)

English

[Base Loaded Mobile Antennas 450-470 MHz](#)

English