225550-1 ✔ ACTIVE

AMP | AMP TNC

TE Internal #: 225550-1

RF Connectors, TNC RF Interface, Plug, 50 Ω, RG 55A / RG 223, Threaded, 11 GHz Operating Frequency, 1 Position, Wire & Cable, AMP TNC

View on TE.com >

Connectors > RF Coax Connectors > RF Connectors

RF Interface: **TNC**

RF Connector Style: **Plug**

RF Connector Mated Outer Diameter (Approximate): **16.26 mm [.64 in]**

Impedance: **50 Ω**

Compatible With RF Cable Type: **RG 223, RG 55A**

Features

Product Type Features

Connector Shape	Circular
Connector Seal Type	Interfacial Seal
RF Interface	TNC
RF Connector Style	Plug
Compatible With RF Cable Type	RG 223, RG 55A
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	1
Number of Coaxial Contacts	1

Electrical Characteristics

Impedance	50 Ω

Body Features

Cable Connector Orientation	Straight
Body Material	Phosphor Bronze
Body Material Finish	Plated
Body Plating Material	Silver

Contact Features

RF Connector Center Contact Underplating Material	Copper

Crimp Type	Dual
RF Connector Center Contact Plating Material	Gold
RF Connector Center Contact Material	Phosphor Bronze

Termination Features

Termination Method to Wire & Cable	Crimp

Mechanical Attachment

RF Connector Coupling Mechanism	Threaded
Connector Mounting Type	Cable Mount (Free-Hanging)
RF Contact Captivation Method	Mechanical

Dimensions

RF Connector Mated Outer Diameter (Approximate)	16.26 mm[.64 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Operating Frequency	11 GHz

Packaging Features

Packaging Method	Carton

Other

Grade	Military
Dielectric Material	PTFE

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	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2019 (197) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Bromine/Chlorine - Br and Cl < 900 ppm per homogenous material. Also BFR

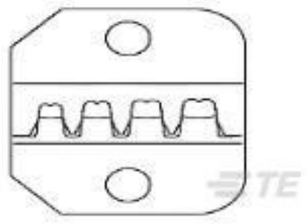
	/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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 # 220045-2
DAHT COAXICON RG141 C ASSY



TE Part # 91902-1
PREM SDE DIE,N SERIES RG 141

Also in the Series | AMP TNC

Between Series Adapters(1)

RF Connector Caps(1)

RF Connectors(17)

Documents

Product Drawings

TNC PLUG DUAL W/P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_225550-1_W_c-225550-1-w.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_225550-1_W_c-225550-1-w.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_225550-1_W_c-225550-1-w.3d_stp.zip

English

Product Specifications

Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English