GD9-18 ✔ ACTIVE

TE Internal #: GD9-18

Panel Antenna, Single Band, Wi-Fi HaLow, External Mount, Pole /Mast/Bracket Mount, N-type, Directional, Single Port, > 6 dBi Peak Gain

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Antennas



Communication Protocol: **LoRaWAN**

Mounting Location: **External**

Mounting Type: **Pole/Mast/Bracket Mount**

Frequency Category: **901 – 941**

Antenna Type: **Panel**

Features

Product Type Features

Antenna Termination	N-type
Antenna Product Type	Antenna

Configuration Features

Antenna Style	Yagi/Log Periodic
Mounting Location	External
Antenna Type	Panel
Band Type	Single Band
Port Configuration	Single Port

Electrical Characteristics

Impedance	50 Ω
Antenna Operation	Passive
VSWR (Max)	<1.5:1

Signal Characteristics

Frequency Band	902 – 928 MHz
Gain (Max)	18 dB
Frequency Category	901 – 941
Peak Gain	> 6 dBi

Body Features

Antenna Weight	21000 g[740.75 oz]

Mechanical Attachment

Mount Product Type	Pole/Mast
Polarization	Vertical
Mounting Type	Pole/Mast/Bracket Mount

Operation/Application

Option	Connector Preinstalled
Antenna Environment	Outdoor
Wireless Standard	915 ISM & ZigBee US
Directionality	Directional

Industry Standards

IP Rating	Not Tested
Communication Protocol	LoRaWAN
Primary Application	Wi-Fi HaLow

Product Availability

Applicable Region	Worldwide

Packaging Features

Packaging Method	Box

Other

Precision Level	Standard

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	Not Yet Reviewed
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	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 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 # LABH2400NN
SURGE,NN,0-4000MHZ



TE Part # LABH350NN
SURGE,BNN,0-1000MHZ



TE Part # LAIL350NN
SURGE,NN,0-1000MHZ INLINE

Customers Also Bought



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



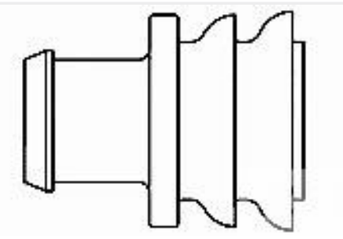
TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Agency Approvals

CE Declaration of Conformity

English