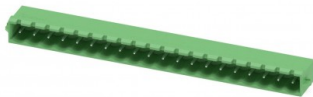


INDUSTRIAL COMPONENT DATA

MSTBA 2,5/20-G-RN 1944961 PHOENIX CONTACT

Feed-through header

Brand: PHOENIX CONTACT | Manufacturer Part Number: MSTBA 2,5/20-G-RN



Manufacturer	PHOENIX CONTACT
MPN / Reference	MSTBA 2,5/20-G-RN
Catalog number	1944961
Category	Printed circuit board connector
Minimum order	50 Pcs
Document ID	EO-82EBAE663C
Generated	2026-08-04

Product Overview

Feed-through header

Printed circuit board base case, nominal section: 2.5 mm², color: green, nominal current: 12 A, nominal voltage (III/2): 320 V, contact surface: Tin, contact type: Male, number of potentials: 20, number of rows: 1, number of poles: 20, number of connections: 20, family of articles: MSTBA 2.5/..-G-RN, pitch: 5 mm, mounting: Wave soldering, pin arrangement: Linear pin arrangement, pin length [P]: 3.5 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2.5, Plug-in face orientation: Standard, locking: Snap-in lock, fixing type: Snap-on protrusion, packaging type: box-packed, Item with lace protrusion

PCB headers, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 20, number of rows: 1, number of positions: 20, number of connections: 20, product range: MSTBA 2,5/..-G-RN, pitch: 5 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 3.23 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, Pin connector pattern alignment: Standard, locking: Snap-in locking, mounting: Engagement nose, type of packaging: packed in cardboard, Article with engagement nose

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > PCB Connectors (PCC)
--------------	--

Additional Product Information

Technical dataProduct propertiesProduct type PCB headers

Product family MSTBA 2,5/..-G-RN

Product line COMBICON Connectors M

Type Standard

Number of positions 20

Pitch 5 mm

Number of connections 20

Number of rows 1

Number of potentials 20

Mounting flange Engagement nose

Pin layout Linear pinning

Solder pins per potential 1

Data management status

Article revision 03

Electrical propertiesNominal current IN 12 A

Nominal voltage UN 320 V

Contact resistance 1 m Ω

Rated voltage (III/3) 250 V

Rated surge voltage (III/3) 4 kV

Rated voltage (III/2) 320 V

Rated surge voltage (III/2) 4 kV

Rated voltage (II/2) 400 V

Rated surge voltage (II/2) 4 kV

MountingMounting type Wave soldering

Pin layout Linear pinning

Material specificationsMaterial data - contact

Note WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201

Contact material Cu alloy

Surface characteristics Tin-plated

Metal surface contact area (top layer) Tin (3 - 5 μ m Sn)

Metal surface contact area (middle layer) Nickel (1.3 - 3 μ m Ni)

Metal surface soldering area (top layer) Tin (3 - 5 μ m Sn)

Metal surface soldering area (middle layer) Nickel (1.3 - 3 μ m Ni)

Material data - housing

Color (Housing) green (6021)

Insulating material PBT

Insulating material group IIIa

CTI according to IEC 60112 225

Flammability rating according to UL 94 V0

NotesNotes on operation In accordance with IEC 61984, COMBICON connectors have no switching power (COC). During designated use, they must not be plugged in or disconnecte...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MSTBA 2,5/20-G-RN with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.