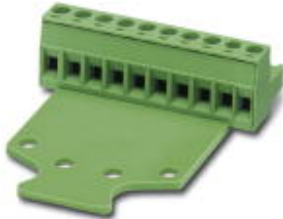


## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

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PCB connector, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin


The figure shows a 10-position version of the product

### Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Pull-out aid facilitates handling and allows the tensile force to be reduced at the contact point
- ✓ Allows connection of two conductors



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 038540
GTIN	4017918038540
Weight per Piece (excluding packing)	6.420 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	54.3 mm
Width [ w ]	15.24 mm
Height [ h ]	15.5 mm
Pitch	5.08 mm

# Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

## Technical data

### Dimensions

Dimension a	10.16 mm
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### General

Range of articles	MSTB 2,5/...-STZ
Number of positions	3
Connection method	Screw connection with tension sleeve
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	12 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	7 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1 mm <sup>2</sup>

## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

### Technical data

#### Connection data

2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

#### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

#### Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Classifications

#### eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

# Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

## Classifications

### ETIM

ETIM 6.0	EC002638
ETIM 7.0	EC002638

### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals


### Approvals


#### Approvals

CSA / IECCE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

#### Ex Approvals

## Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	15 A	10 A	
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-60988-B1B2
Nominal voltage UN	250 V		
Nominal current IN	12 A		
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		

# Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

## Approvals

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40004701
Nominal voltage UN		250 V	
Nominal current IN		12 A	
mm <sup>2</sup> /AWG/kcmil		0.2-2.5	

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19931011
	B	D	
Nominal voltage UN	250 V	300 V	
Nominal current IN	12 A	10 A	
mm <sup>2</sup> /AWG/kcmil	30-12	30-12	

## Accessories

### Accessories

#### Bridge

Insertion bridge - EBP 2- 5 - 1733169



### Coding element

Coding profile - CP-MSTB - 1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material



## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

### Accessories

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#### Labeled terminal marker

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



Marker card, Card, white, labeled, Horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... (99)100, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 x 3.8 mm

#### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

#### Additional products

Feed-through header - MSTBW 2,5/ 3-G-5,08 - 1735879



PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Feed-through header - MDSTBV 2,5/ 3-G1-5,08 - 1736742



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

### Accessories

#### Printed-circuit board connector - MSTBVA 2,5/ 3-G-5,08 - 1755749

PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Printed-circuit board connector - MSTBA 2,5/ 3-G-5,08 - 1757255

PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Feed-through header - MSTBV 2,5/ 3-G-5,08 - 1758021

PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Feed-through header - MSTB 2,5/ 3-G-5,08 - 1759020

PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Feed-through header - MDSTB 2,5/ 3-G-5,08 - 1762075

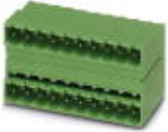
PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order no. 1736771, 1736768. In combination with MVSTB or FKCV plugs, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plugs is not possible!



## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

### Accessories

#### Feed-through header - MDSTB 2,5/ 3-G1-5,08 - 1762376



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

#### Printed-circuit board connector - MDSTBV 2,5/ 3-G-5,08 - 1763087



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1836477, 1836480. In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

#### Feed-through header - SMSTBA 2,5/ 3-G-5,08 - 1767384



PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Printed-circuit board connector - SMSTB 2,5/ 3-G-5,08 - 1769476



PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Feed-through header - MSTBA 2,5/ 3-G-5,08-LA - 1770957



PCB headers, number of positions: 3, pitch: 5.08 mm, color: green



## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

### Accessories

#### Feed-through header - MDSTBW 2,5/ 3-G-5,08 - 1802414



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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#### Feed-through header - MDSTBA 2,5/ 3-G-5,08 - 1842076



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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#### Feed-through header - MDSTBVA 2,5/ 3-G-5,08 - 1845345



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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#### Feed-through header - MSTBO 2,5/ 3-GR-5,08 - 1847110



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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#### Feed-through header - MSTBO 2,5/ 3-GL-5,08 - 1850440



PCB headers, nominal current: 8 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

### Accessories

#### Feed-through header - MDSTBA 2,5/ 3-GL-5,08 - 1874714



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

#### Feed-through header - MDSTBA 2,5/ 3-GR-5,08 - 1874727



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

#### Feed-through header - MDSTBVA 2,5/ 3-GL-5,08 - 1874756



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

#### Feed-through header - MDSTBVA 2,5/ 3-GR-5,08 - 1874769



PCB headers, nominal current: 10 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

#### Printed-circuit board connector - DFK-MSTBA 2,5/ 3-G-5,08 - 1898842



Feed-through header, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

### Accessories

Printed-circuit board connector - DFK-MSTBVA 2,5/ 3-G-5,08 - 1899142



Feed-through header, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - MSTBA 2,5/ 3-G-5,08 THT-R32 - 1937240



PCB headers, number of positions: 3, pitch: 5.08 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - MSTBVA 2,5/ 3-G-5,08 THT-R56 - 1940428



PCB headers, number of positions: 3, pitch: 5.08 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - CC 2,5/ 3-G-5,08 P26THR - 1954391



PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

Printed-circuit board connector - CC 2,5/ 3-G-5,08 P26THRR32 - 1954595



PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

### Accessories

#### Printed-circuit board connector - CCA 2,5/ 3-G-5,08 P26THR - 1954922

PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



#### Printed-circuit board connector - CCA 2,5/ 3-G-5,08 P26THRR32 - 1955044

PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



#### Printed-circuit board connector - CCV 2,5/ 3-G-5,08 P26THR - 1955390

PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



#### Printed-circuit board connector - CCV 2,5/ 3-G-5,08 P26THRR32 - 1955536

PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



#### Printed-circuit board connector - CCVA 2,5/ 3-G-5,08 P26THR - 1955866

PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



## Printed-circuit board connector - MSTB 2,5/ 3-STZ-5,08 - 1776168

### Accessories

Printed-circuit board connector - CCVA 2,5/ 3-G-5,08 P26THRR32 - 1955976



PCB headers, nominal current: 12 A, number of positions: 3, pitch: 5.08 mm, color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"