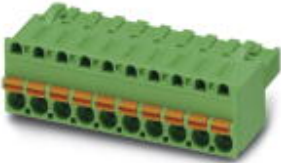


Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

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PCB connector, nominal current: 12 A, number of positions: 12, pitch: 5.08 mm, connection method: Push-in spring connection, color: green, contact surface: Tin




The figure shows a 10-position version of the product

Your advantages

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Intuitive use through colour coded actuation lever
- ✓ Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- ✓ Optimized for tight installation situations: operation and conductor connection from one direction



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 187361
GTIN	4017918187361
Weight per Piece (excluding packing)	22.730 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	25.6 mm
Width [w]	61.06 mm
Height [h]	15 mm

Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Technical data

Dimensions

Pitch	5.08 mm
Dimension a	55.88 mm

General

Range of articles	FKCT 2,5/..-ST
Number of positions	12
Connection method	Push-in spring connection
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)	320 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 ²
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A2
Stripping length	10 mm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Minimum AWG according to UL/CUL	26

Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Technical data

Connection data

Maximum AWG according to UL/CUL	12
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Standards and Regulations

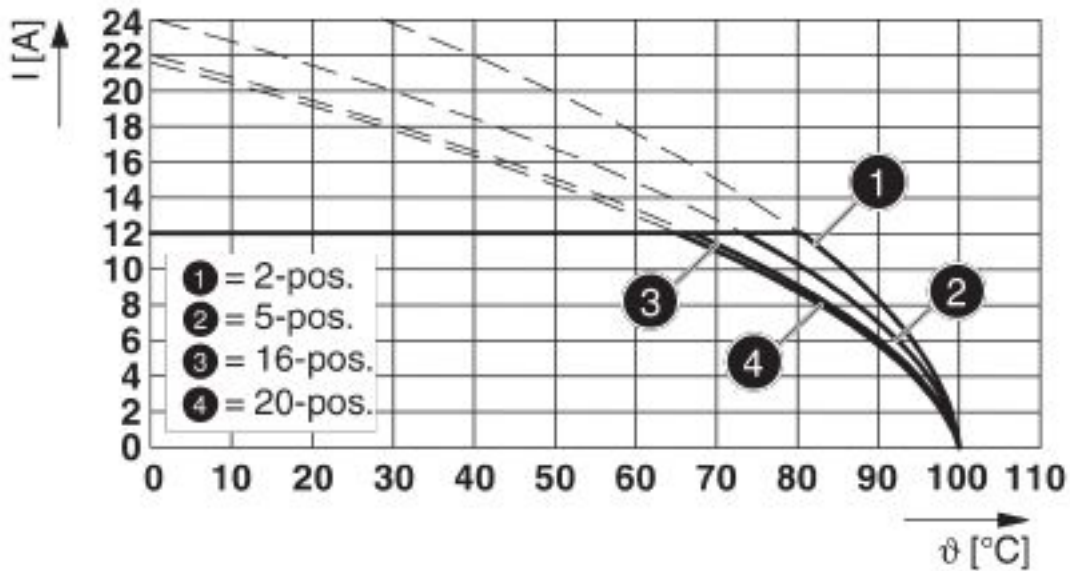
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

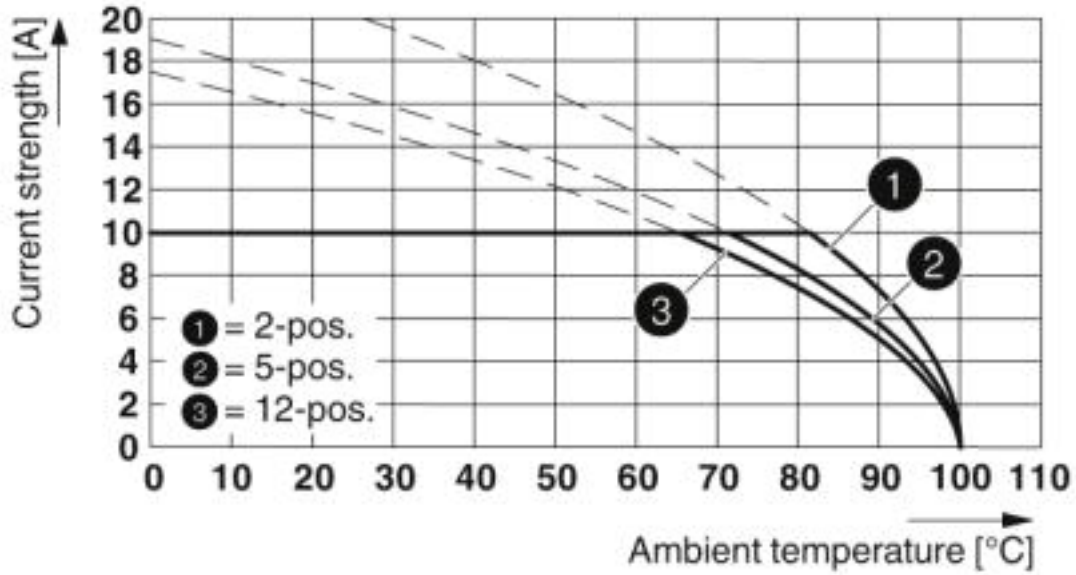
Diagram



Type: FKCT 2,5/...-ST-5,08 with MSTB 2,5/...-G-5,08

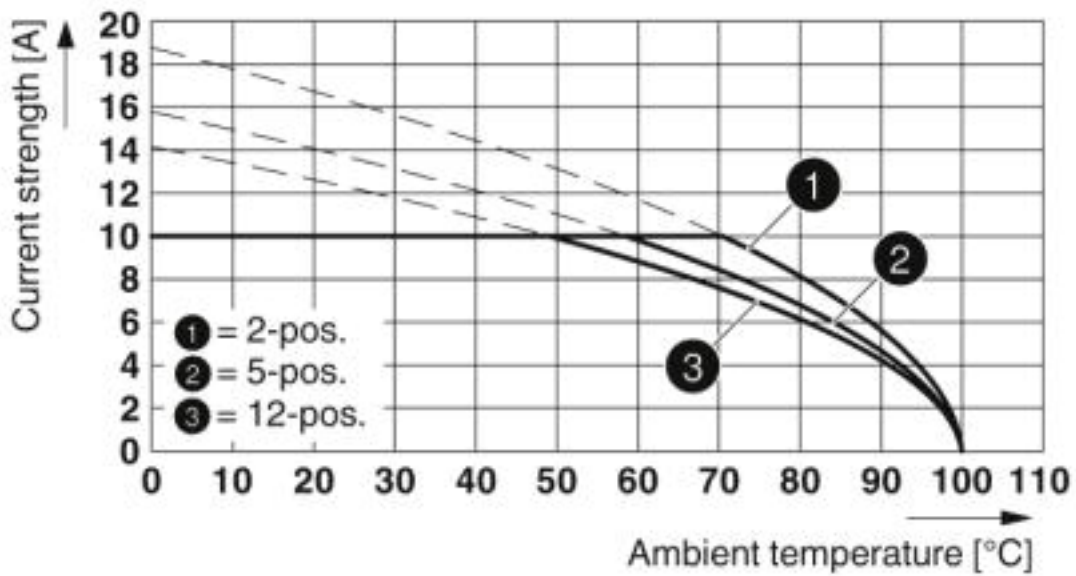
Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Diagram



Type: FKCS 2,5/...-ST-5,08 with MDSTBV 2,5/...-G-5,08

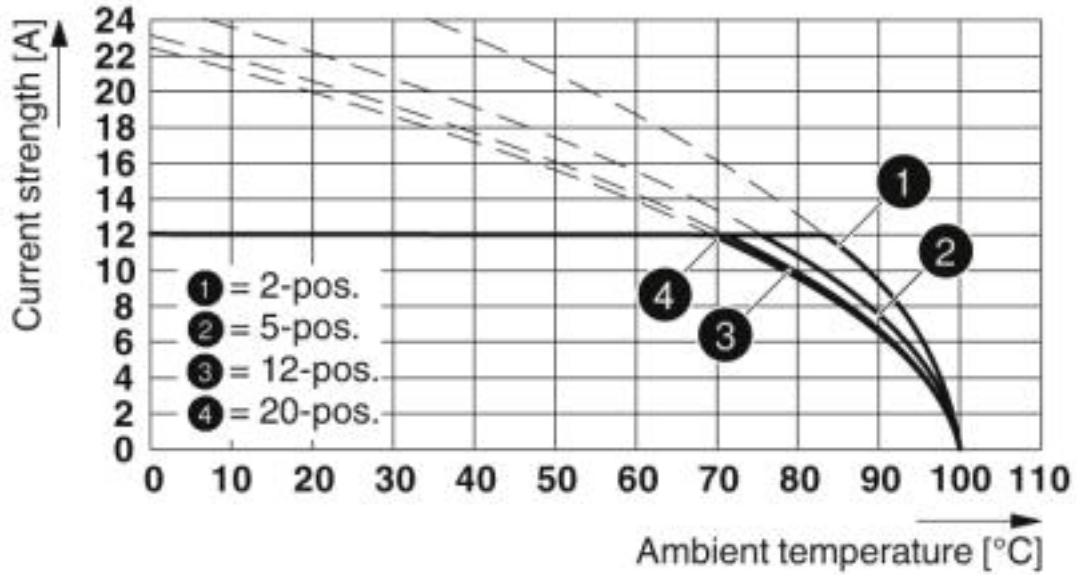
Diagram



Type: FKCT 2,5/...-ST-5,08 with MDSTBV 2,5/...-G-5,08

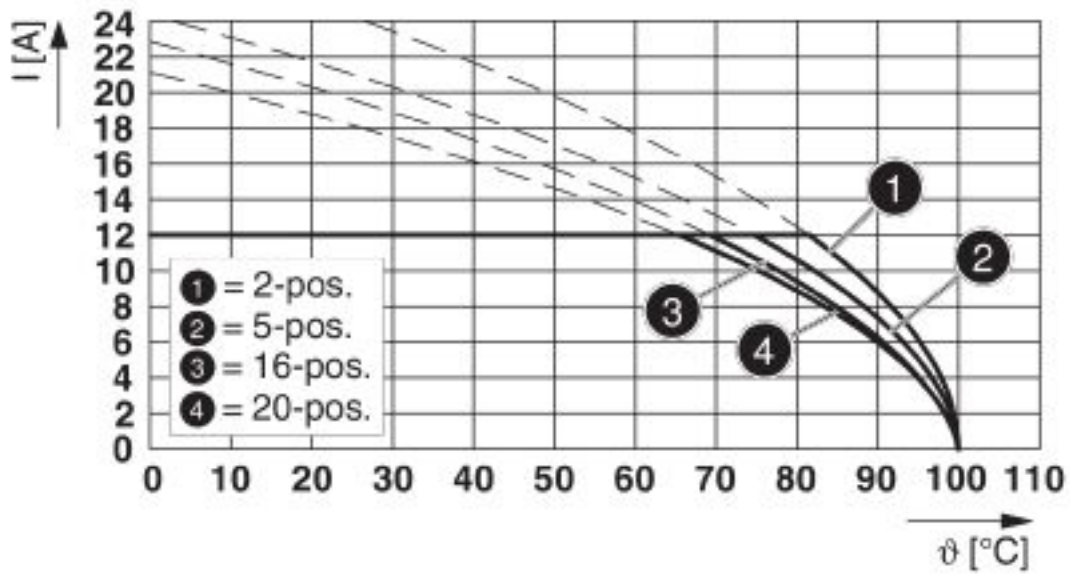
Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Diagram



Type: FKCT 2,5/...-ST-5,08 with SMSTB 2,5/...-G-5,08

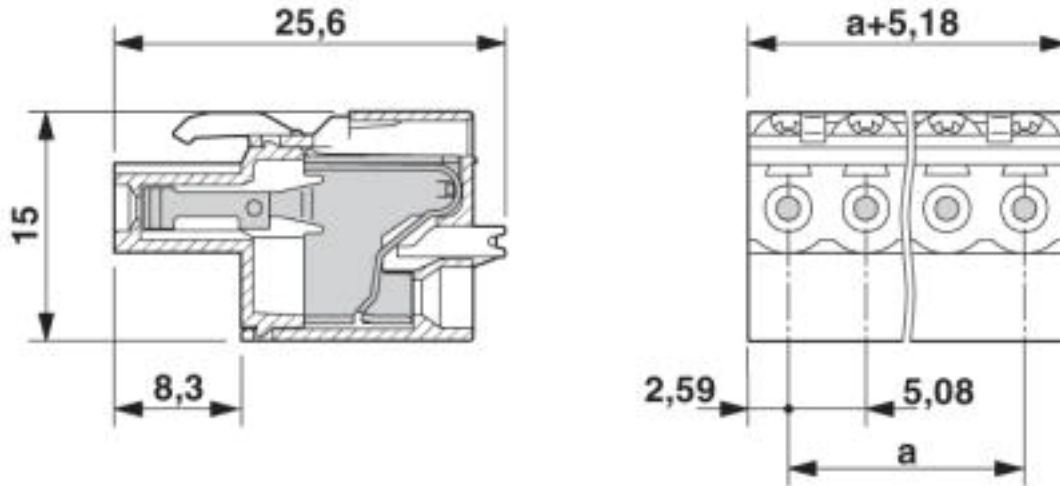
Diagram



Type: FKCT 2,5/...-ST-5,08 with SMSTBA 2,5/...-G-5,08

Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Dimensional drawing



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
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

Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Approvals


Approvals


Approvals

IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized


Ex Approvals

Approval details

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

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

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm ² /AWG/kcmil	26-12	26-12	

Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634

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



Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Accessories

Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



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

Strain relief

Strain relief - STZ 4-FKC-5,08 - 1876877



Strain relief for snapping into the latching chambers of the plugs, 4-pos.

Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Accessories

Strain relief - STZ 8-FKC-5,08 - 1876880



Strain relief for snapping into the latching chambers of the plug components, 8-pos.

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

Reducing plug - RPS - 0201647



Reducing plug, color: gray

Additional products

Feed-through header - MSTBW 2,5/12-G-5,08 - 1735785



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

Printed-circuit board connector - MSTBVA 2,5/12-G-5,08 - 1755833



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

Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Accessories

Printed-circuit board connector - MSTBA 2,5/12-G-5,08 - 1757349

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



Feed-through header - MSTBV 2,5/12-G-5,08 - 1758115

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



Feed-through header - MSTB 2,5/12-G-5,08 - 1759114

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



Feed-through header - MDSTBV 2,5/12-G1-5,08 - 1762606

PCB headers, nominal current: 10 A, number of positions: 12, 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!



Feed-through header - SMSTBA 2,5/12-G-5,08 - 1767478

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



Printed-circuit board connector - FKCT 2,5/12-ST-5,08 - 1902217

Accessories

Feed-through header - MSTBA 2,5/12-G-5,08-LA - 1768040



PCB headers, number of positions: 12, pitch: 5.08 mm, color: green

Printed-circuit board connector - SMSTB 2,5/12-G-5,08 - 1769560



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

Feed-through header - MSTBV 2,5/12-GEH-5,08 - 1808560



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

Feed-through header - MDSTBA 2,5/12-G-5,08 - 1842160



PCB headers, nominal current: 10 A, number of positions: 12, 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 - MDSTBW 2,5/12-G-5,08 - 1842319



PCB headers, nominal current: 10 A, number of positions: 12, 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 - FKCT 2,5/12-ST-5,08 - 1902217

Accessories

Feed-through header - MDSTBVA 2,5/12-G-5,08 - 1845439



PCB headers, nominal current: 10 A, number of positions: 12, 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 - MDSTBV 2,5/12-G-5,08 - 1845581



PCB headers, nominal current: 10 A, number of positions: 12, 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!

Printed-circuit board connector - DFK-MSTBA 2,5/12-G-5,08 - 1898936



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

Printed-circuit board connector - DFK-MSTBVA 2,5/12-G-5,08 - 1899236



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

Printed-circuit board connector - CC 2,5/12-G-5,08 P26THR - 1954579



PCB headers, nominal current: 12 A, number of positions: 12, 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 - FKCT 2,5/12-ST-5,08 - 1902217

Accessories

Printed-circuit board connector - CCA 2,5/12-G-5,08 P26THR - 1955028

PCB headers, nominal current: 12 A, number of positions: 12, 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 2,5/12-G-5,08 P26THRR88 - 1955138

PCB headers, nominal current: 12 A, number of positions: 12, 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 2,5/12-G-5,08 P26THR - 1955510

PCB headers, nominal current: 12 A, number of positions: 12, 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 2,5/12-G-5,08 P26THRR88 - 1955620

PCB headers, nominal current: 12 A, number of positions: 12, 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 2,5/12-G-5,08 P26THR - 1955950

PCB headers, nominal current: 12 A, number of positions: 12, 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 - FKCT 2,5/12-ST-5,08 - 1902217

Accessories

Printed-circuit board connector - CCVA 2,5/12-G-5,08 P26THRR88 - 1956069



PCB headers, nominal current: 12 A, number of positions: 12, 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"