

NEUE PRODUKTE



Unsere Produkte
Our Products

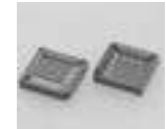
Stiftleisten in Rastermaß 1,27mm bis 2,54mm
Pin Headers in Pitches from 1.27mm to 2.54mm



Buchsenleisten in Rastermaßen 1,27mm bis 7,62mm
Female Headers from 1.27mm to 7.62mm



IC-Fassung
IC-Sockets



DIP-Schalter
DIP-Switches



Flachbandkabelverbindungen
Flat Cable Connections



Kabel-zu-Leiterplatten Verbinder in Rastermaß 1mm bis 6,20mm
Wire-to-Board Connectors in Pitches from 1mm to 6.20mm



LIF- Verbinder
LIF-Connectors



USB Steckverbinder
USB Connectors



LED Verbinder
LED Connectors



M8/M12 Rundsteckverbinder
M8/M12 Cable Connectors



W+P ist Ihr Partner für zuverlässige Steckverbinderlösungen rund um die Leiterplatte. Mit einem vielfältigen Produktportfolio im Standardbereich und einem reichen Erfahrungsschatz für maßgeschneiderte Applikationen finden wir auch für Sie die ideale Lösung!

Unser Produktneuheiten-Katalog 2024 zeigt unsere neuen Artikel und soll als Ergänzung zu unserem Hauptkatalog oder unserer Shortform dienen. Es ist mit Sicherheit auch für Sie das ein oder andere interessante Produkt dabei. Passt keines unserer Katalogprodukte? Wir freuen uns, auch Ihnen unser Know-How als Projektpartner zur Entwicklung kundenspezifischer Bauteile zur Verfügung zu stellen.

Wie können wir Sie unterstützen? Lassen Sie uns gemeinsam die für Sie ideale Lösung finden, bitte sprechen Sie uns an, Tel.: 05223 98507-0 oder sales@wppro.com

W+P is your partner for reliable connector solutions with focus on PCB applications. With our varied portfolio in standard versions and a wide expert knowledge in customized components, we will also find the optimized solution for you.

This brochure 2024 shows our new articles of the last year. It is a supplement to our main catalog or our short form. For sure the one or the other product will be interesting for you. We would be glad to apply our know-how as a project partner for tailor-made applications, if you cannot find suitable catalogue based components.

How can we assist you? Let us jointly find the ideal solution, please feel free to contact us, phone: 0049 5223 98507-0 or sales@wppro.com



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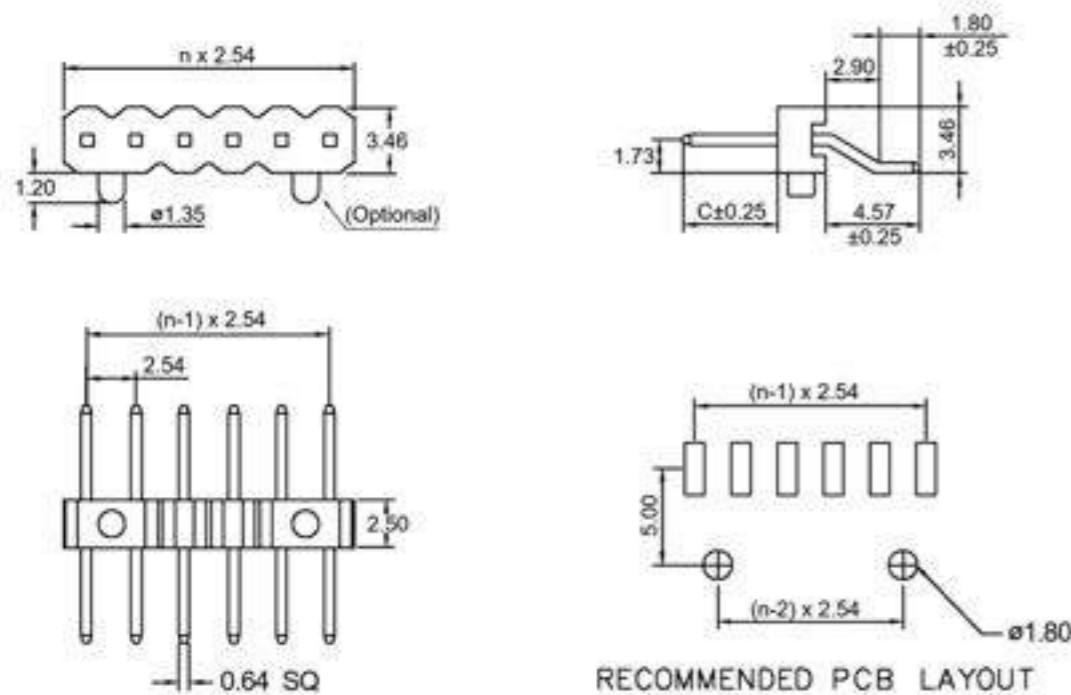
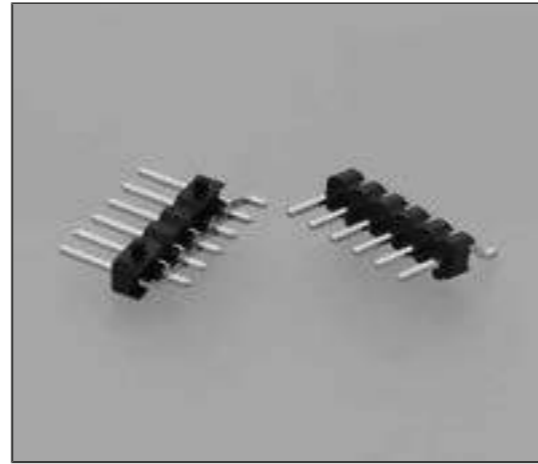
TEL +49 5223 98507-0
FAX +49 5223 98507-50



E-MAIL sales@wppro.com
WEBSITE www.wppro.com

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,635mm, Kupferlegierung
Contact Material	0.635mm square pin, copper alloy
Kontaktoberfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Acc. to options (see below), over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	1000 V RMS
Test Voltage	1000 V RMS
Nennstrom	3 A
Current Rating	3 A
Temperaturbereich	-55 °C ... +105 °C
Temperature Range	-55 °C ... +105 °C
Verarbeitung	Reflow-Lötverfahren 250 °C / 10sec
Processing	Reflow soldering 250 °C / 10sec



Series	Contacts*	Type	Dimensions*	Plating	Locating Pegs*	Packaging*
9633	12 03-20 Einreihig Single row	1 1 Type A	14 13 B=3.05mm 14 B=5.84mm 15 B=8.13mm 16 B=10.67mm 99- Kundenspezifisch Customer-specific	00 Vergoldet Gold-plated	10 Mit Positionierhilfen With locating pegs	PPTR ST PPST PPTR

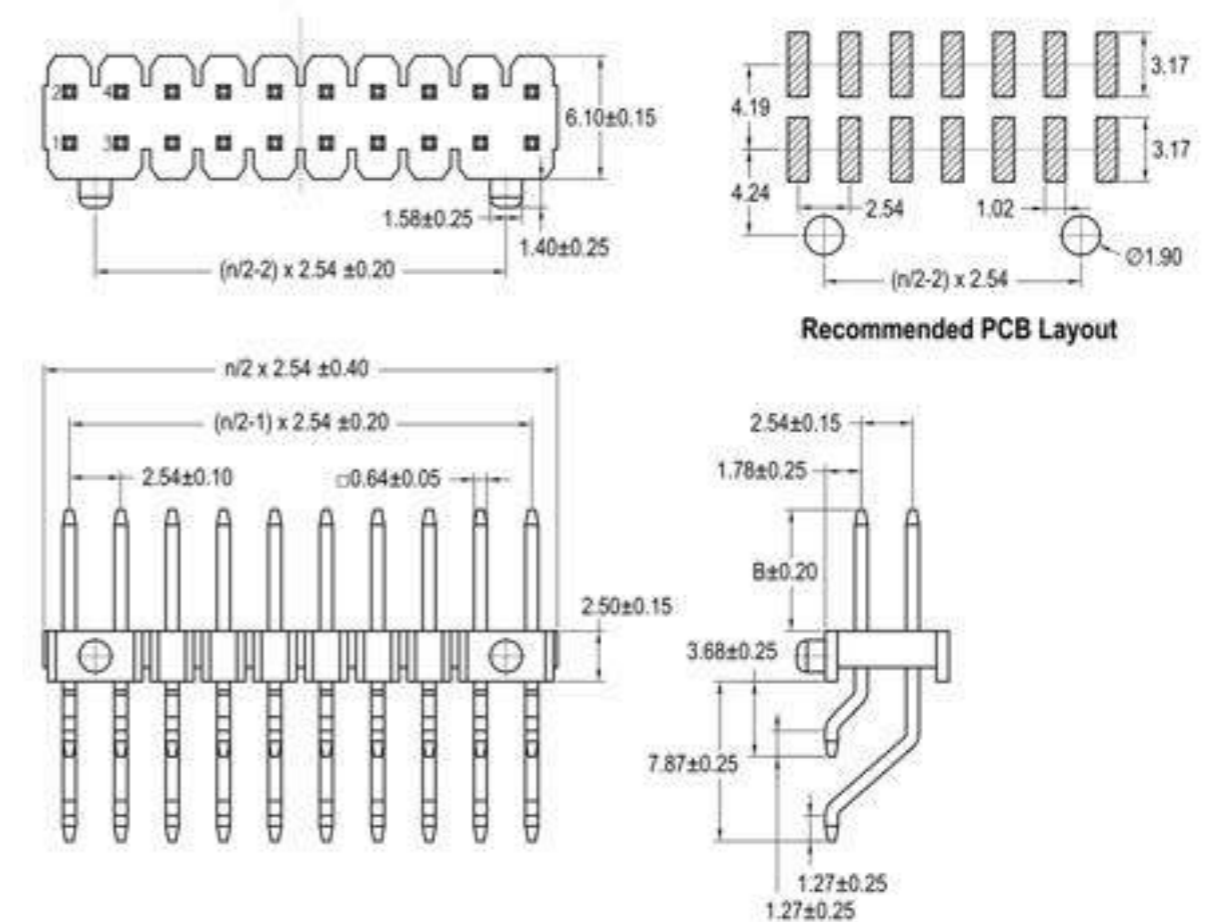
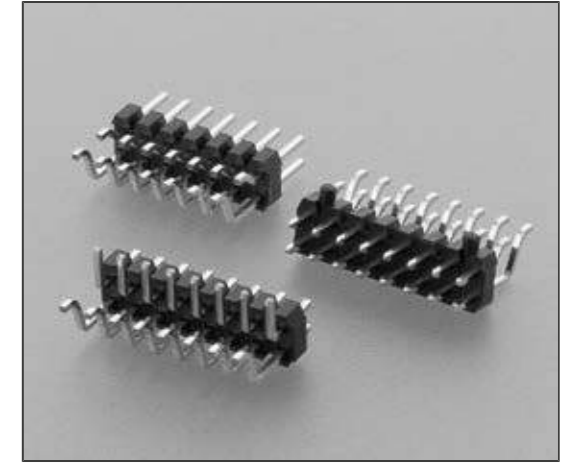
Lieferformen / Packaging Options:

ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
PPST In Stangen mit PP-Pads / In tubes with PP-Pads
PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,635mm, Kupferlegierung
Contact Material	0.635mm square pin, copper alloy
Kontaktoberfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Acc. to options (see below), over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	1000 V AC/DC
Test Voltage	1000 V AC/DC
Nennstrom	3 A
Current Rating	3 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	Reflow-Lötverfahren 260 °C / 5sec
Processing	Reflow soldering 260 °C / 5sec



Series	Type	Dimensions*	Contacts*	Plating	Locating Pegs*	Packaging*
9232	1 1 Type M	14 13 B=3.05mm 14 B=5.84mm 15 B=8.13mm 16 B=10.67mm 99- Kundenspezifisch Customer-specific	12 04-20 Zweireihig Double row	00 Vergoldet Gold-plated	10 Mit Positionierhilfen With locating pegs	PPTR ST PPST PPTR

Lieferformen / Packaging Options:

ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
PPST In Stangen mit PP-Pads / In tubes with PP-Pads
PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

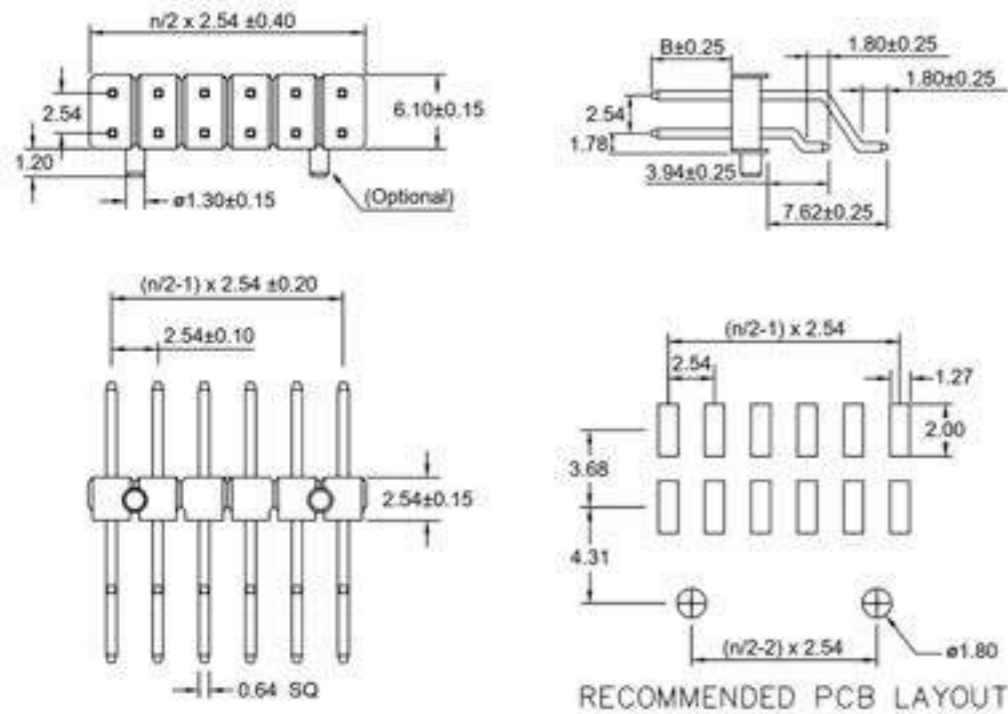
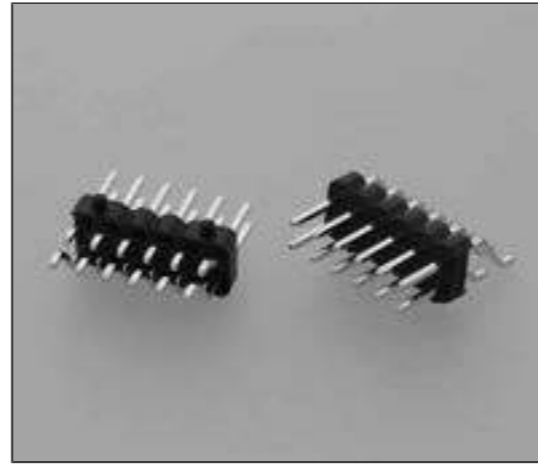
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

9233

SMT-Stiftleisten RM 2,54mm, liegend, 2-reihig SMT Pin Headers 2,54mm Pitch, Horizontal, Double Row

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,635mm, Kupferlegierung
Contact Material	0.635mm square pin, copper alloy
Kontaktoberfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Acc. to options (see below), over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	1000 V RMS
Test Voltage	1000 V RMS
Nennstrom	3 A
Current Rating	3 A
Temperaturbereich	-55 °C ... +105 °C
Temperature Range	-55 °C ... +105 °C
Verarbeitung	Reflow-Lötverfahren 250 °C / 10sec
Processing	Reflow soldering 250 °C / 10sec



Series	Type	Dimensions*	Contacts*	Plating	Locating Pegs*	Packaging*
9233	1	14	12	00	10	PPTR
	1 Type M	13 B=3.05mm 14 B=5.84mm 15 B=8.13mm 16 B=10.67mm 99- Kundenspezifisch Customer-specific	04-20 Zweireihig Double row	00 Vergoldet Gold-plated	00 Ohne Positionierhilfen W/o locating pegs 10 Mit Pos.-hilfen (ab 6-polig) With locating pegs (6 pins min.)	ST PPST PPTR

Lieferformen / Packaging Options:

ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
 PPST In Stangen mit PP-Pads / In tubes with PP-Pads
 PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

Design- und technische Änderungen auch ohne vorherige Ankündigung vorbehalten.
 Design and/or technical specifications may change without prior notice.

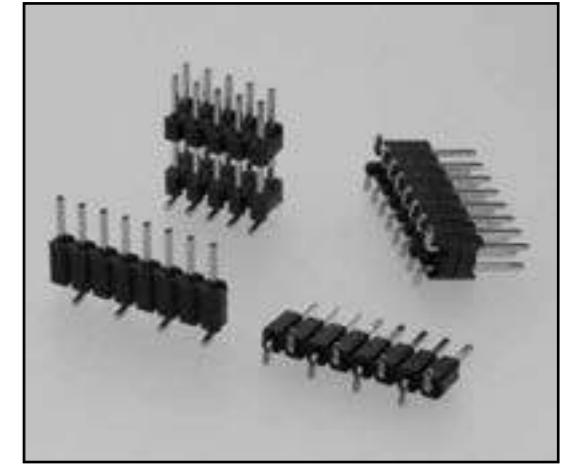
Aktuelle PDF-Datenblätter:
 Latest PDF-Datasheets:

46-9533

SMT-Sandwich-Stiftleisten RM 2,54mm, stehend, 1-/2-reihig SMT Dual Body Pin Headers 2,54mm Pitch, Vertical, Single/Double Row

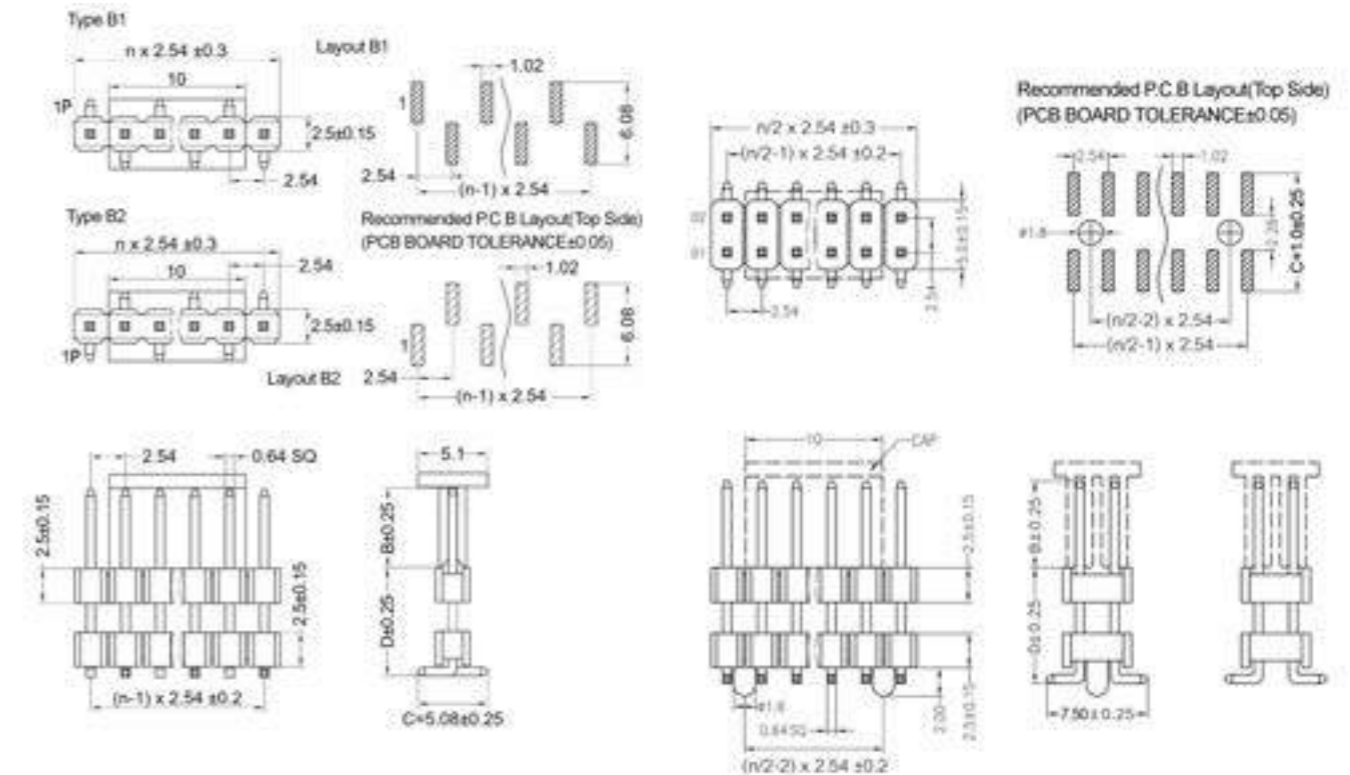
Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,64mm, Kupferlegierung
Contact Material	0.64mm square pin, copper alloy
Kontaktoberfläche	Au über Ni
Contact Surface	Au over Ni
Durchgangswiderstand	20 mΩ max.
Contact Resistance	20 mΩ max.
Isolationswiderstand	1000 MΩ min.
Insulation Resistance	1000 MΩ min.
Spannungsfestigkeit	1000 V AC/DC
Test Voltage	1000 V AC/DC
Nennstrom	3.0 A
Current Rating	3.0 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	230 °C für 30-60 Sekunden (260 °C für 10 Sekunden, einreihig) (260 °C für 5 Sekunden, zweireihig) 230 °C for 30-60 seconds (260 °C for 10 seconds, single row) (260 °C for 5 seconds, double row)



Passende Buchsenleisten:
 Compatible Female Headers:
46-3490 46-3491 etc.
 Weitere siehe Kapitel B
 Please see ch. B for more

Processing



Series*	Dimensions*	Contacts*	Plating	Layout*	Locating Pegs*	Packaging*
46-9533	15	08	00	1	00	PPST
46-9533 Einreihig Single row	14 B=5,7 D=6,3mm 15 B=5,7 D=7,1mm 16 B=5,7 D=10,1mm	03-20 Einreihig Single row 04-60 Zweireihig Double row	00 Vergoldet Gold plated	0 (Nur Serie 46-9133) (46-9133 series only) 1 Layout B1 (46-9533) 2 Layout B2 (46-9533)	00 Ohne Pos.hilfen W/o loc. pegs 10 Mit Pos.hilfen (46-9133) With loc. pegs (46-9133)	ST PPST PPTR
46-9133 Zweireihig Double row	99- Kundenspezifisch Customer-specific					

Lieferformen / Packaging Options:

ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
 PPST In Stangen mit P&P-Pads / In tubes with P&P-Pads
 PPTR Tape & Reel mit P&P-Pads / Tape & Reel with P&P-Pads

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 * This is an order example - please replace by your specifications.

wpro.com/serie-XXX
 wpro.com/serie-XXX

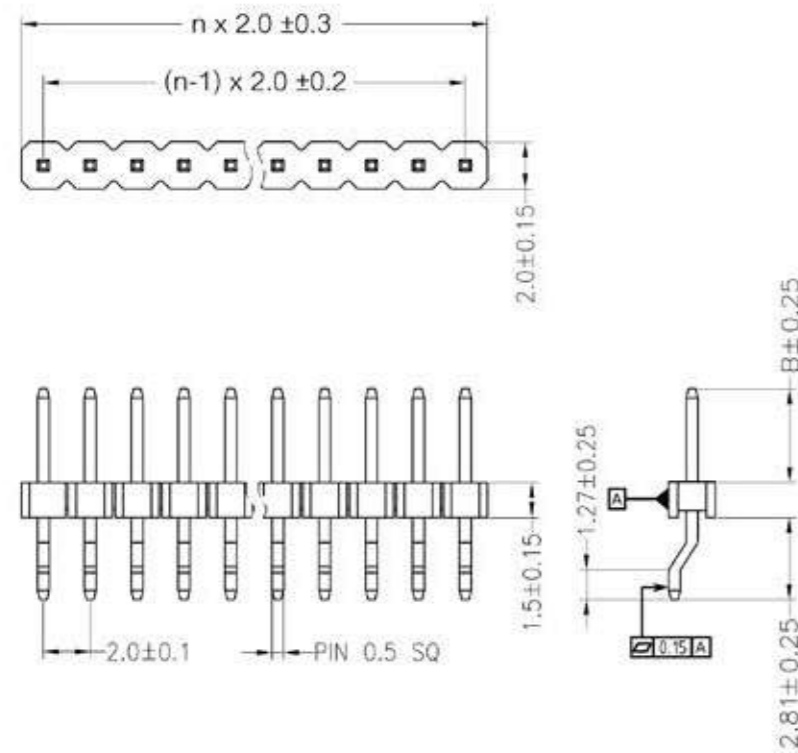
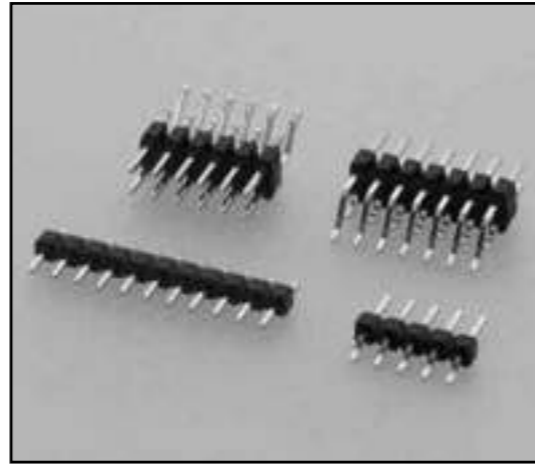
Design- und technische Änderungen auch ohne vorherige Ankündigung vorbehalten.
 Design and/or technical specifications may change without prior notice.

46-7353

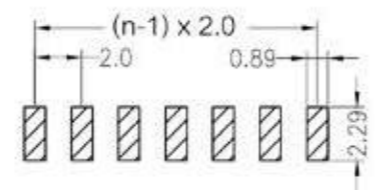
SMT-Stiftleisten RM 2,00mm, liegend, 2-reihig
SMT Pin Headers 2.00mm Pitch, Horizontal, Double Row

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,50mm, Kupferlegierung
Contact Material	0.50mm square pin, copper alloy
Kontaktoberfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Au over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 500 MΩ
Insulation Resistance	> 500 MΩ
Spannungsfestigkeit	500 V AC
Test Voltage	500 V AC
Nennspannung	250 V AC
Voltage Rating	250 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +125 °C
Temperature Range	-40 °C ... +125 °C
Verarbeitung	Reflow-Lötverfahren
Processing	Reflow soldering

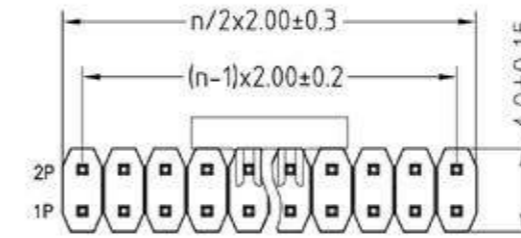


Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE ±0.05)

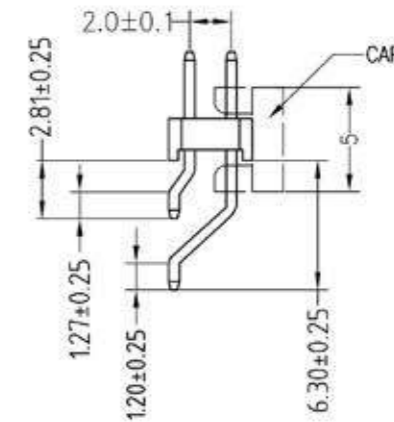
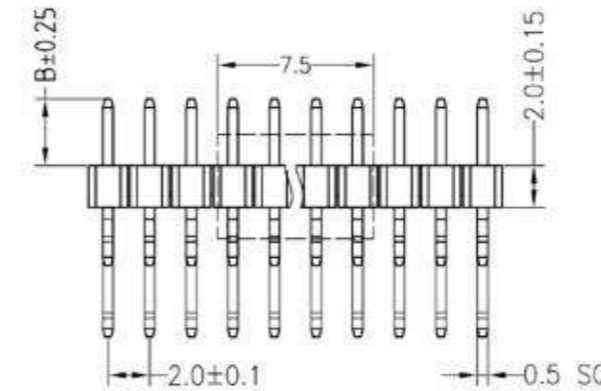
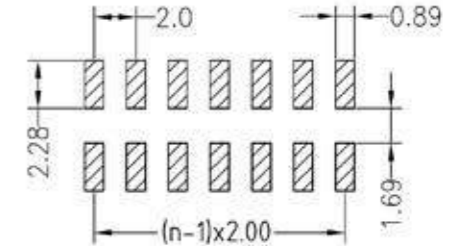


46-7353

SMT-Stiftleisten RM 2,00mm, liegend, 2-reihig
SMT Pin Headers 2.00mm Pitch, Horizontal, Double Row



Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE ±0.05)



Series	Contacts *	Rows	Dimensions*	Plating	Locating Pegs	Packaging *
46-7353	10 04-40 Zweireihig Double row	2 2 Zweireihig Double row	10 10 B=3,20mm 11 B=4,45mm 99 Kundenspezifisch Customer-specific	00 00 Vergoldet Gold plated	00 00 Ohne Pos.hilfen W/o loc. pegs	PPST ST PPST PPTR

Series	Contacts *	Rows	Dimensions*	Plating	Locating Pegs	Packaging *
46-7353	10 02-20 Einreihig Single row	1 1 Einreihig Single row	10 10 B=3,20mm 11 B=4,45mm 99 Kundenspezifisch Customer-specific	00 00 Vergoldet Gold plated	00 00 Ohne Pos.hilfen W/o loc. pegs	PPST ST PPST PPTR

Lieferformen / Packaging Options:

ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
PPST In Stangen mit PP-Pads / In tubes with PP-Pads
PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

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* This is an order example - please replace by your specifications.

Lieferformen / Packaging Options:

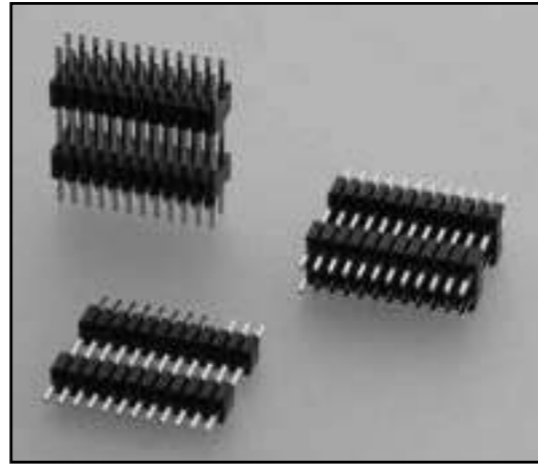
ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
PPST In Stangen mit PP-Pads / In tubes with PP-Pads
PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

46-704/46-705

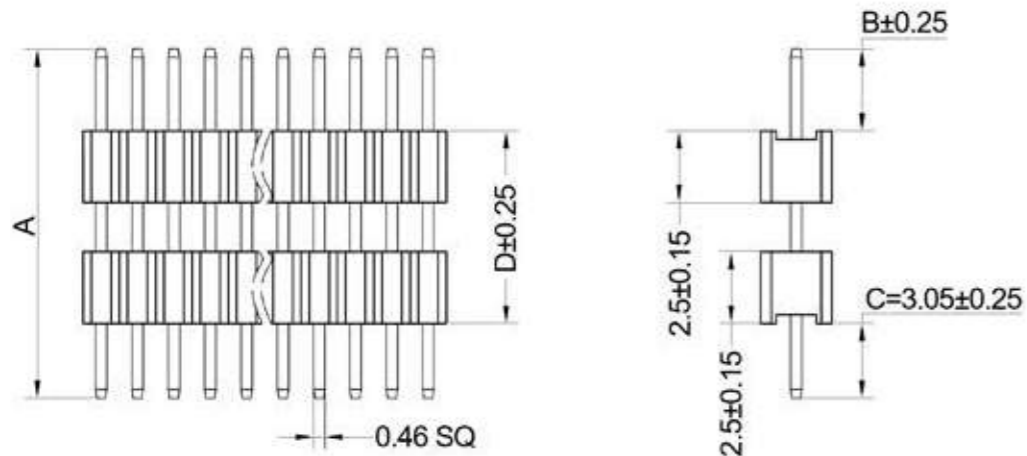
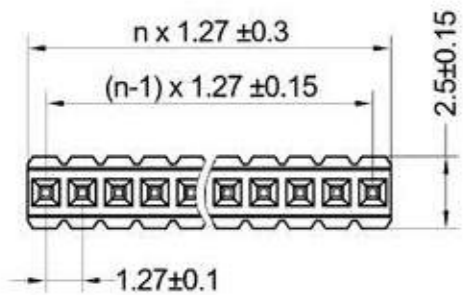
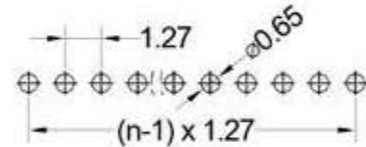
Sandwich-Stiftleisten RM 1,27x2,54mm, 1-/2-reihig
Dual Body Pin Headers, 1.27x2.54mm Pitch, Single/Double Row

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,46mm, Kupferlegierung
Contact Material	0.46mm square pin, copper alloy
Kontaktfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Au over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 500 MΩ
Insulation Resistance	> 500 MΩ
Spannungsfestigkeit	500 V AC
Test Voltage	500 V AC
Nennspannung	250 V AC
Voltage Rating	250 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	Wellen- oder Reflow-Lötverfahren
Processing	Wave or reflow soldering



Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE ±0.05)



Series	Contacts *	Dimensions*	Plating
46-704	030	10	00
	02-40 Einreihig Single row	10 A=11,00 B=2,87 D=5,08mm 15 A=12,90 B=3,05 D=6,80mm 20 A=15,90 B=3,05 D=9,80mm 25 A=17,90 B=3,05 D=11,80mm 30 A=21,00 B=3,05 D=14,90mm A(mm) Kundenspezifisch (max. 45,0mm) Customer-specific (max. 45,0mm)	00 Vergoldet Gold plated

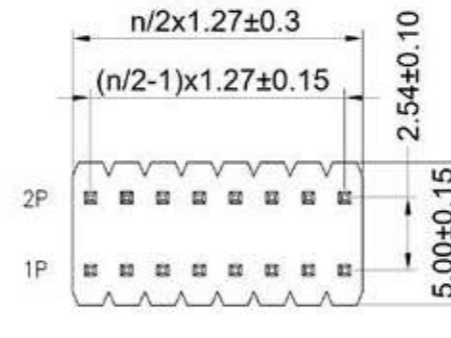
Max. Polzahl für Stiftmaße zwischen 21.0 - 45.0mm = 20P
Max. contact number for dimensions between 21.0-45.0mm = 20P

Lieferformen / Packaging Options:
ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
PPST In Stangen mit PP-Pads / In tubes with PP-Pads
PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

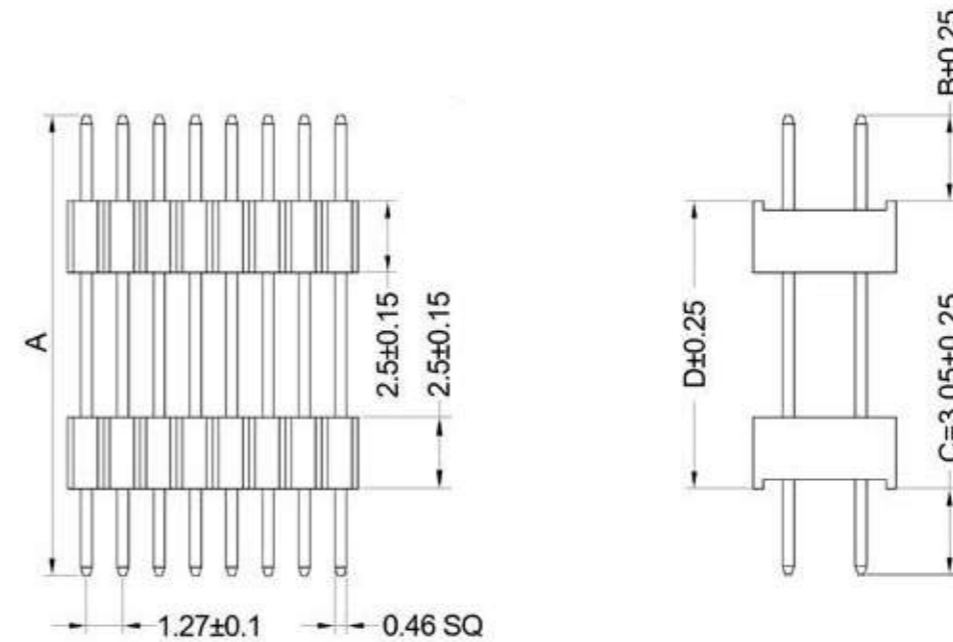
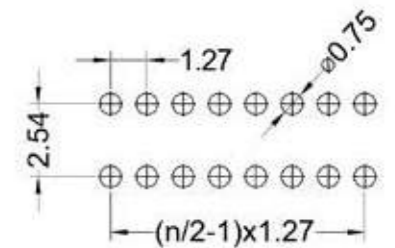
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

46-704/46-705

Sandwich-Stiftleisten RM 1,27x2,54mm, 1-/2-reihig
Dual Body Pin Headers, 1.27x2.54mm Pitch, Single/Double Row



Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE ±0.05)



Series	Contacts *	Dimensions*	Plating
46-705	020	10	00
	04-80 Zweireihig Double row	10 A=11,00 B=2,87 D=5,08mm 15 A=12,90 B=3,05 D=6,80mm 20 A=15,90 B=3,05 D=9,80mm 25 A=17,90 B=3,05 D=11,80mm 30 A=21,00 B=3,05 D=14,90mm A (mm) Kundenspezifisch (max. 21mm) Customer-specific (max. 21mm)	00 Vergoldet Gold plated

Lieferformen / Packaging Options:
ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
PPST In Stangen mit PP-Pads / In tubes with PP-Pads
PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

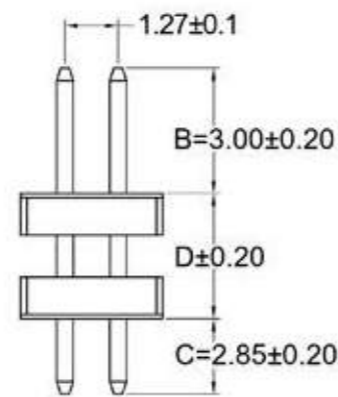
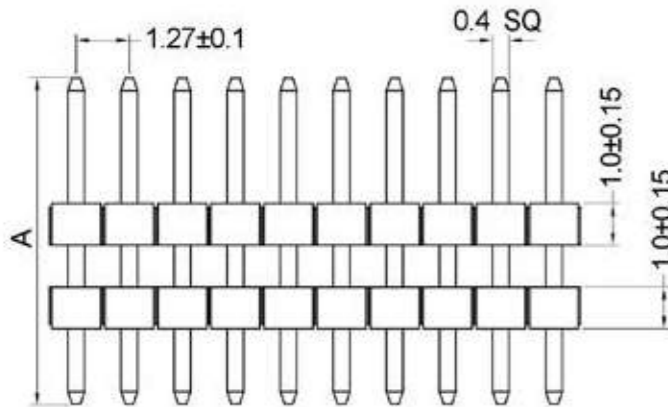
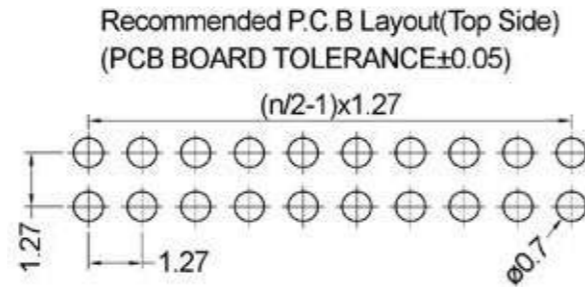
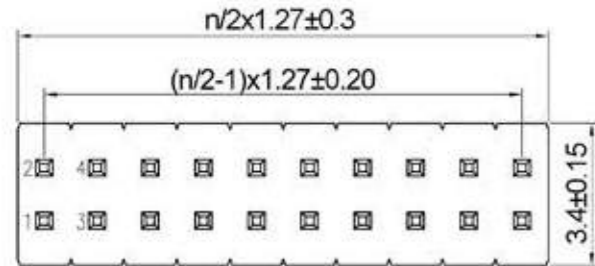
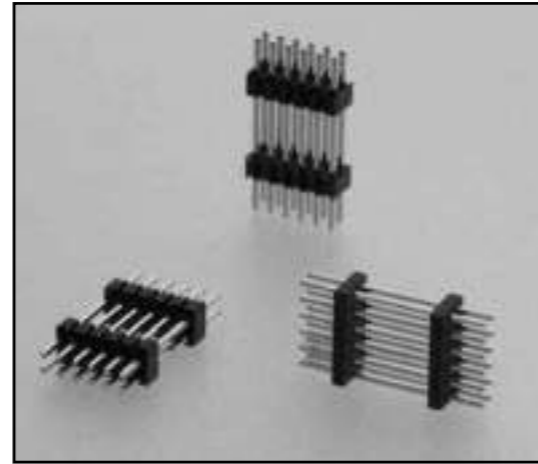
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

46-751

Sandwich-Stiftleisten RM 1,27mm, 2-reihig
Dual Body Pin Headers, 1.27mm Pitch, Double Row

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,40mm, Kupferlegierung
Contact Material	0.40mm square pin, copper alloy
Kontaktfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Au over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 500 MΩ
Insulation Resistance	> 500 MΩ
Spannungsfestigkeit	500 V AC
Test Voltage	500 V AC
Nennspannung	250 V AC
Voltage Rating	250 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	Wellen- oder Reflow-Lötverfahren
Processing	Wave or reflow soldering



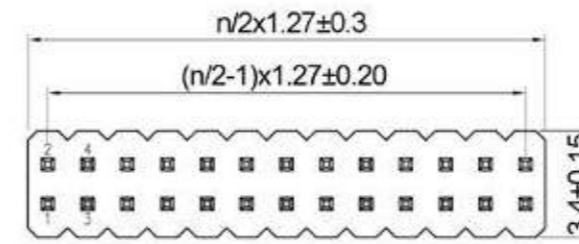
Series	Contacts *	Dimensions *	Insulator Height	Plating
46-751	040	20	10	00
	004-070 Zweireihig Double row	20 A=14,30 D=8,45mm 30 A=15,00 D=9,15mm A Customer-specific, max. 35,0mm B/C max. 15,0mm	10 H=1,00mm	00 Vergoldet Gold plated

Lieferformen / Packaging Options:
ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
PPST In Stangen mit PP-Pads / In tubes with PP-Pads
PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

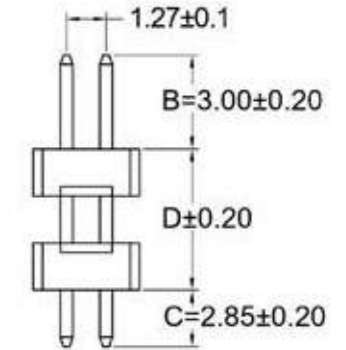
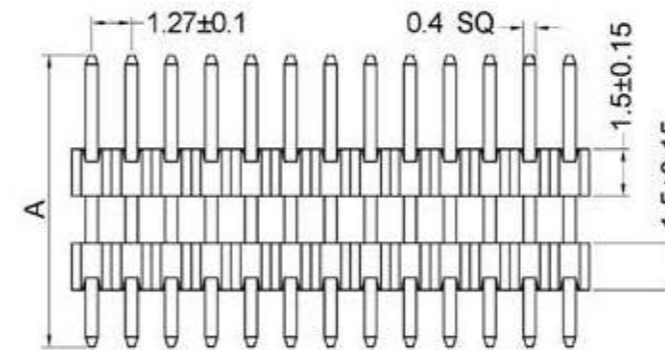
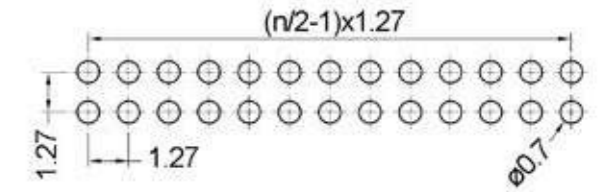
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

46-751

Sandwich-Stiftleisten RM 1,27mm, 2-reihig
Dual Body Pin Headers, 1.27mm Pitch, Double Row



Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE ±0.05)



Series	Contacts *	Dimensions *	Insulator Height	Plating
46-751	040	20	15	00
	004-070 Zweireihig Double row	20 A=14,30 D=8,45mm 30 A=15,00 D=9,15mm A Customer-specific, max. 35,0mm B/C max. 15,0mm	15 H=1,50mm	00 Vergoldet Gold plated

Lieferformen / Packaging Options:
ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
PPST In Stangen mit PP-Pads / In tubes with PP-Pads
PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

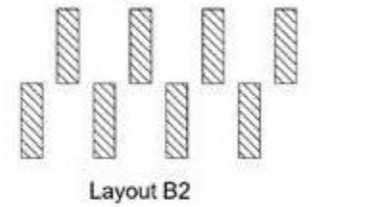
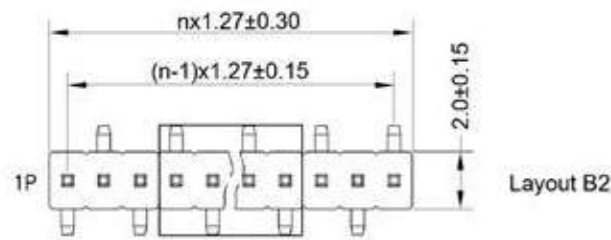
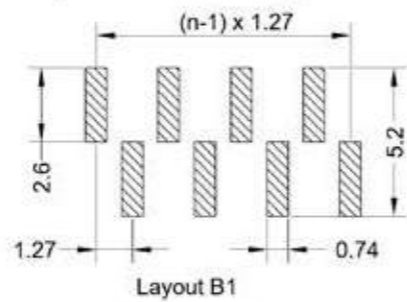
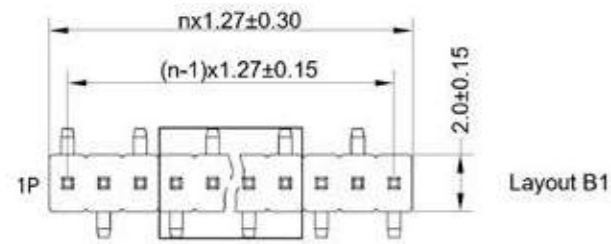
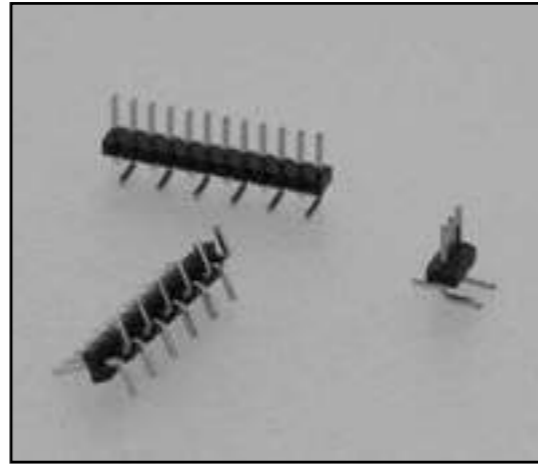
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

46-7140

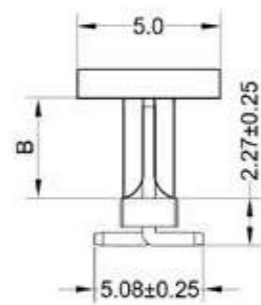
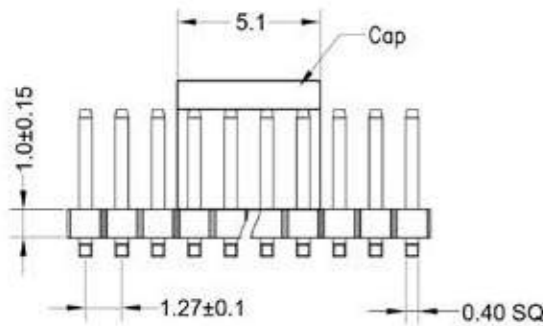
SMT-Stiftleisten RM 1,27mm, stehend, 1-reihig – 1mm Isolierkörper
 SMT Pin Headers, 1.27mm Pitch, Vertical, Single Row – 1mm Insulator Body

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,40mm, Kupferlegierung
Contact Material	0.40mm square pin, copper alloy
Kontaktfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Au over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 500 MΩ
Insulation Resistance	> 500 MΩ
Spannungsfestigkeit	500 V AC
Test Voltage	500 V AC
Nennspannung	250 V AC
Voltage Rating	250 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	Reflow-Lötverfahren
Processing	Reflow soldering



Recommended PCB Layout (Top Side)
 (PCB BOARD TOLERANCE ±0.05)



Series	Contacts*	Layout*	Dimensions*	Plating	Packaging*
46-7140	003 003 - 040	11 11 Layout B1 12 12 Layout B2	10 B=3.05 mm 99 Kundenspezifisch Customer-specific	00 Vergoldet Gold plated	PPST ST PPST PPTR

Lieferformen / Packaging Options:

ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
 PPST In Stangen mit PP-Pads / In tubes with PP-Pads
 PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

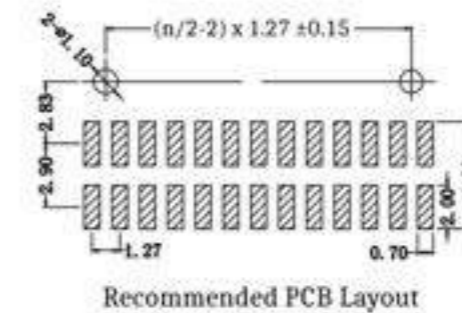
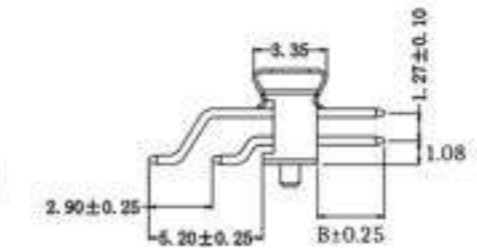
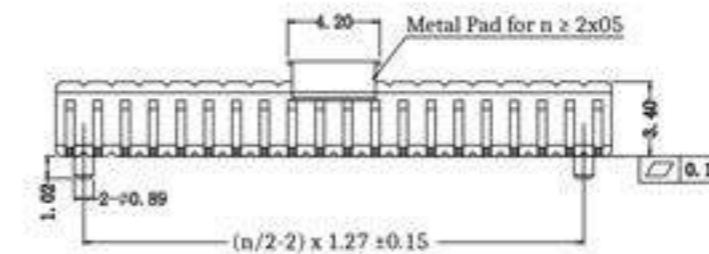
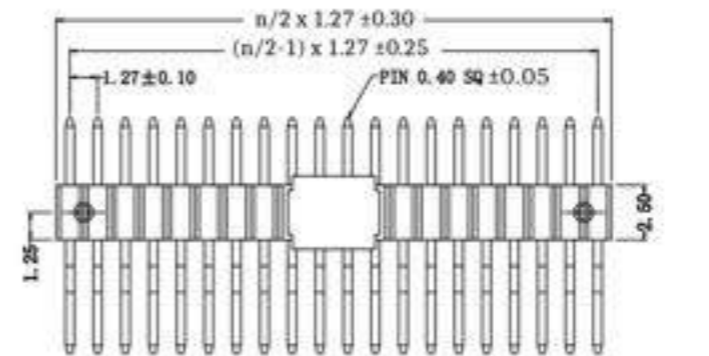
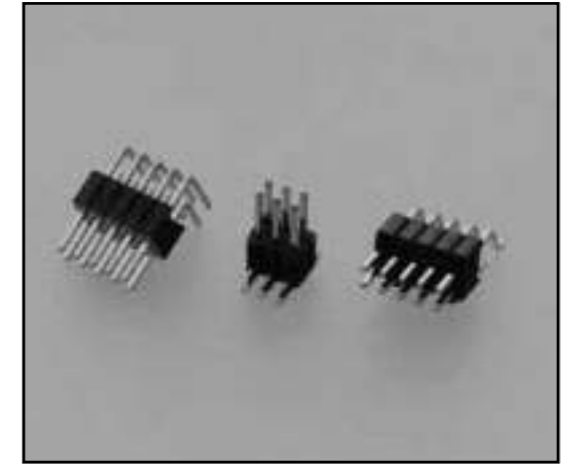
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

7077

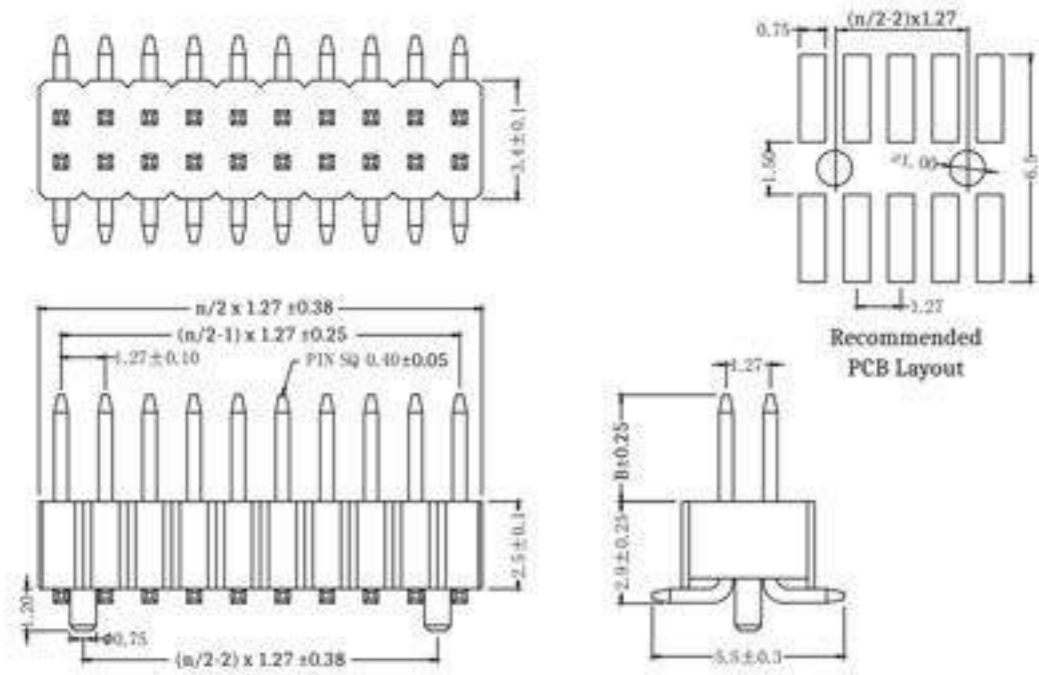
SMT-/THR-Stiftleisten RM 1,27mm, 2-reihig
 SMT/THR Pin Headers, 1.27mm Pitch, Double Row

Technische Daten / Technical Data

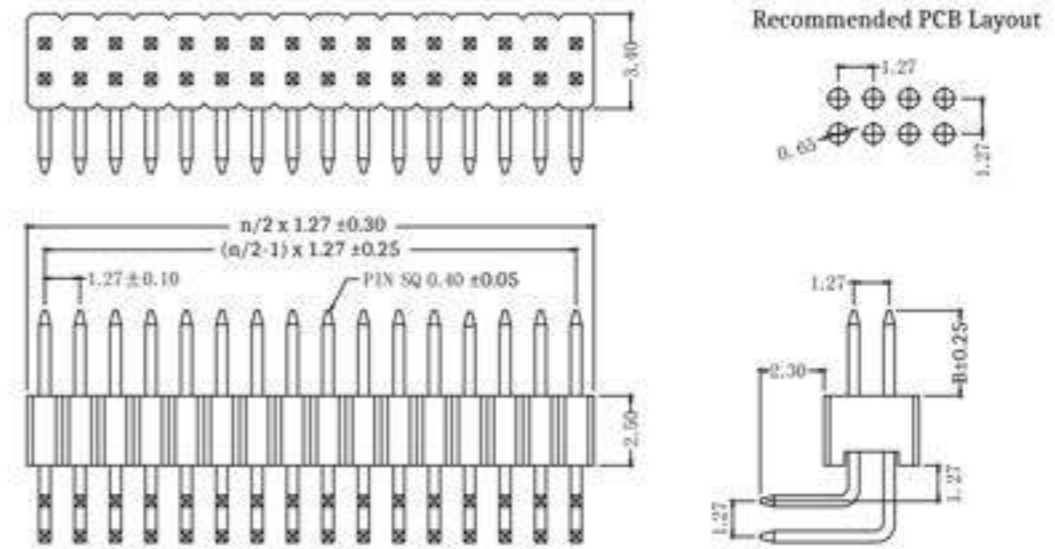
Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,40mm, Kupferlegierung
Contact Material	0.40mm square pin, copper alloy
Kontaktfläche	Au über Ni
Contact Surface	Au over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	300 V AC
Test Voltage	300 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	260 °C für 10 sec.
Processing	260 °C for 10 sec.



Series	Type	Dimensions*	Contacts*	Plating	Loc. Pegs*	Packaging
7077	2 2 M-Type, horizontal	10 B=3,05mm 20 B=1,91mm 30 B=1,65mm 40 B=3,81mm	040 004-050 Zweireihig Double row X- Anfrage Polzahlen Higher numbers on request	00 Vergoldet Gold plated	00 Ohne Pos.hilfen W/o loc. pegs 10 Mit Pos.hilfen With loc. pegs	MPTR FTR MPTR



Series	Type	Dimensions*	Contacts*	Plating	Loc. Pegs*	Packaging
7077	3 3 T-Type, vertical	30 10 B=3,05mm 20 B=1,91mm 30 B=1,65mm 40 B=3,81mm	032 004-050 Zweireihig Double row X- Anfrage Polzahlen Higher numbers on request	00 00 Vergoldet Gold plated	10 00 Ohne Pos.hilfen W/o loc.pegs 10 Mit Pos.hilfen With loc.pegs	PPTR



Series	Type	Dimensions*	Contacts*	Plating	Loc. Pegs	Packaging
7077	4 4 R-Type, right-angled	20 10 B=3,05mm 20 B=1,91mm 30 B=1,65mm 40 B=3,81mm	028 004-050 Zweireihig Double row X- Anfrage Polzahlen Higher numbers on request	00 00 Vergoldet Gold plated	00 00 Ohne Pos.hilfen W/o loc.pegs	ST ST

Lieferformen / Packaging Options:
FTR Tape & Reel mit Film-Pad (2x04 max.) / Tape & Reel with Film Pad (2x04 max.)
MPTR Tape & Reel mit Metal-Pad (>= 2x05) / Tape & Reel with Metal Pad (>= 2x05)
PPTR Tape & Reel mit P&P-Pads / Tape & Reel with P&P-Pads
ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads

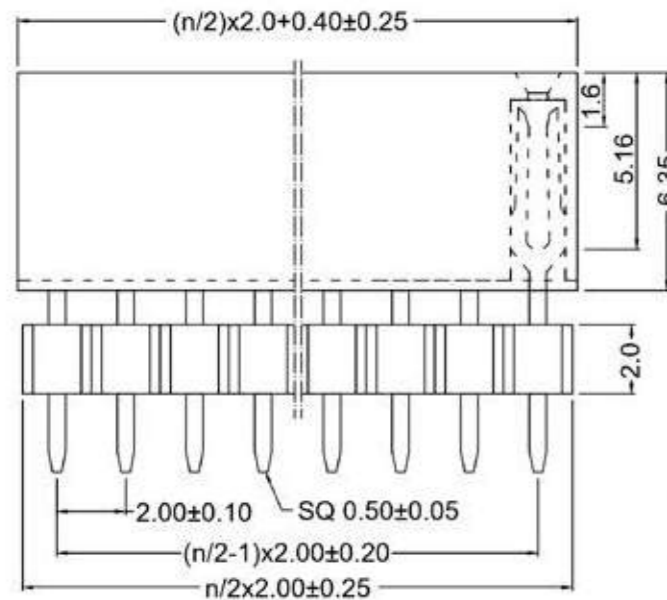
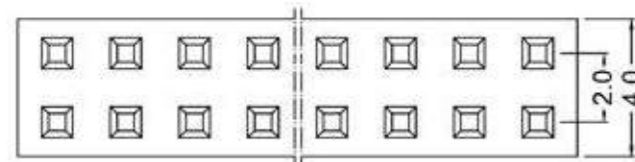
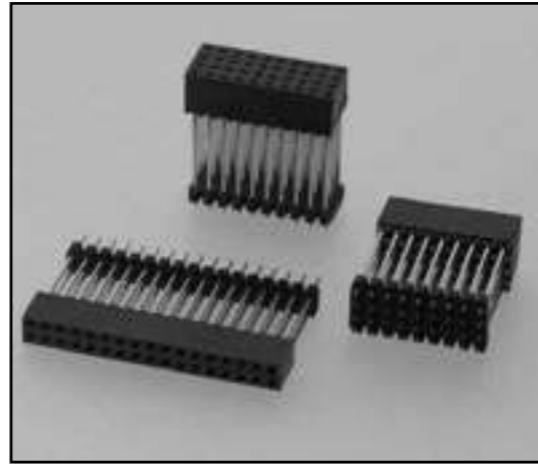
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

46-415

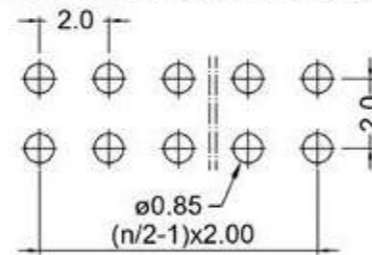
Buchsenleisten RM 2,00mm, gerade, 2-/4-reihig – BH 9,35mm
Female Headers, 2.00mm Pitch, Straight, 2/4 Rows – 9.35mm Profile

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktfläche	Lt. Oberflächenoptionen, über Ni (1,3 ... 2,5µm)
Contact Surface	Au over Ni (1.3 ... 2.5µm)
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	500 V AC
Test Voltage	500 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +125 °C
Temperature Range	-40 °C ... +125 °C
Verarbeitung	Wellen- oder Reflow-Lötverfahren
Processing	Wave or reflow soldering



Recommended P.C.B Layout(Top Side)
(PCB BOARD TOLERANCE±0.05)



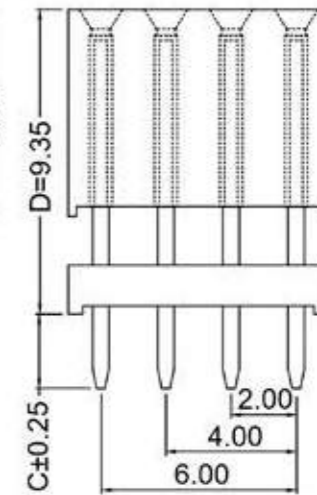
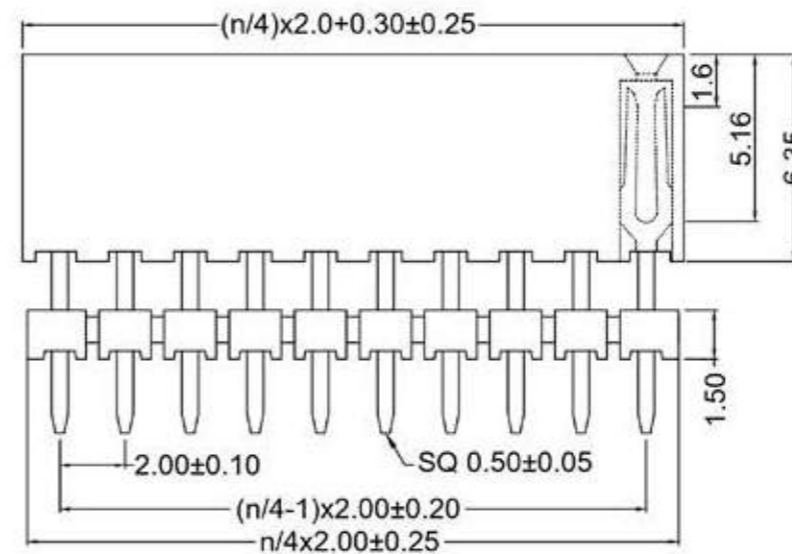
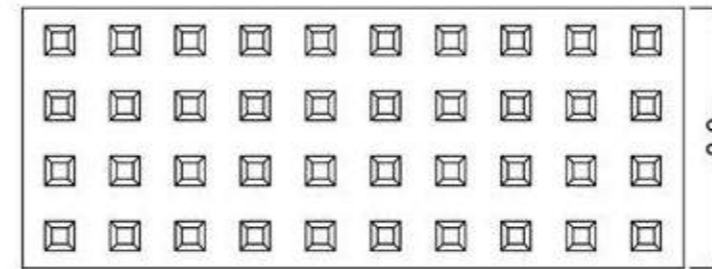
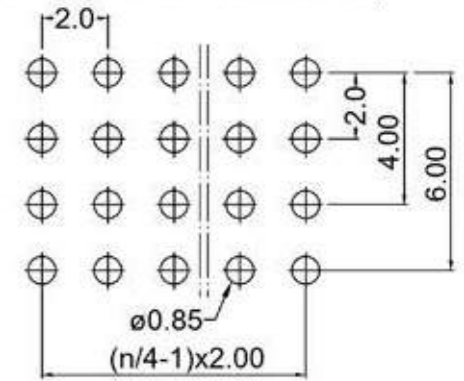
Series	Contacts*	Rows	Dimensions*	Plating
46-415	044	2	10	00
	004-080 Zweireihig Double row	2 Zweireihig Double row	10 C=2,28 D=9,35mm 20 C=11,99 D=9,35mm 99 Kundenspezifisch/ Customer-specific	00 Vergoldet Gold plated

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

46-415

Buchsenleisten RM 2,00mm, gerade, 2-/4-reihig – BH 9,35mm
Female Headers, 2.00mm Pitch, Straight, 2/4 Rows – 9.35mm Profile

Recommended P.C.B Layout(Top Side)
(PCB BOARD TOLERANCE±0.05)



Series	Contacts*	Rows	Dimensions*	Plating
46-415	120	4	10	00
	012-160 Vierreihig Four rows	4 Vierreihig Four rows	10 C=2,28 D=9,35mm 20 C=11,99 D=9,35mm 99 Kundenspezifisch/ Customer-specific	00 Vergoldet Gold plated

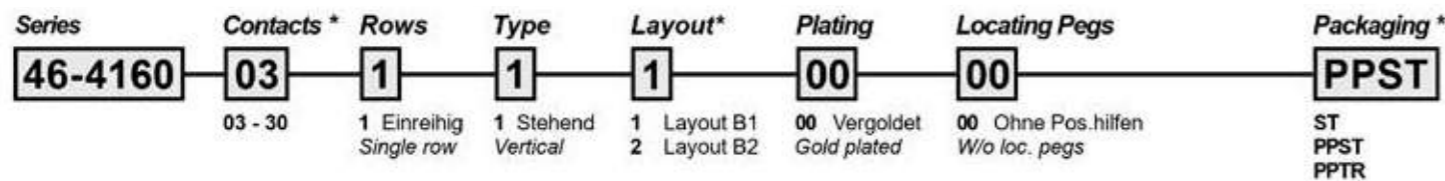
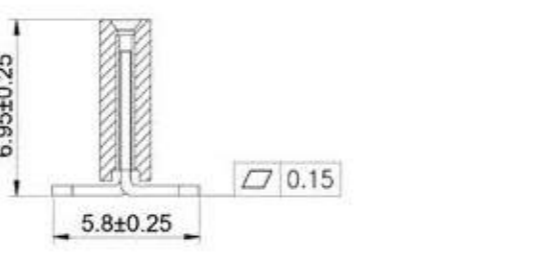
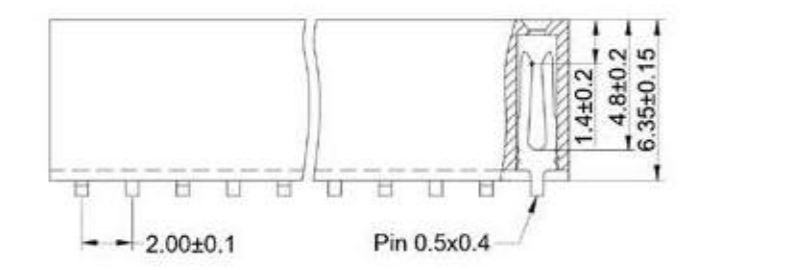
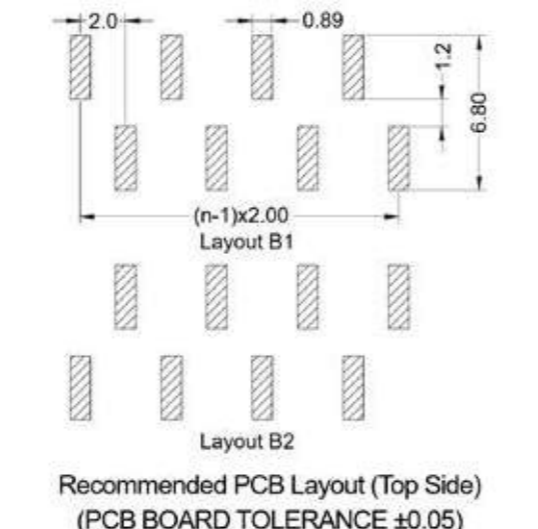
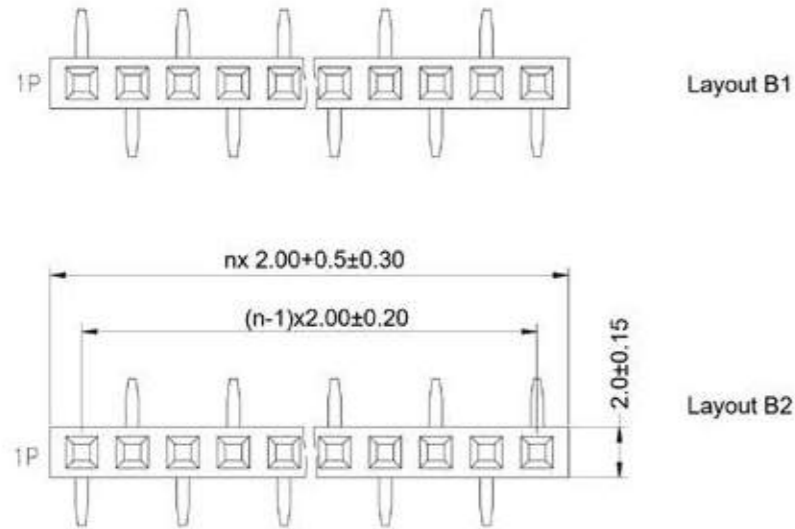
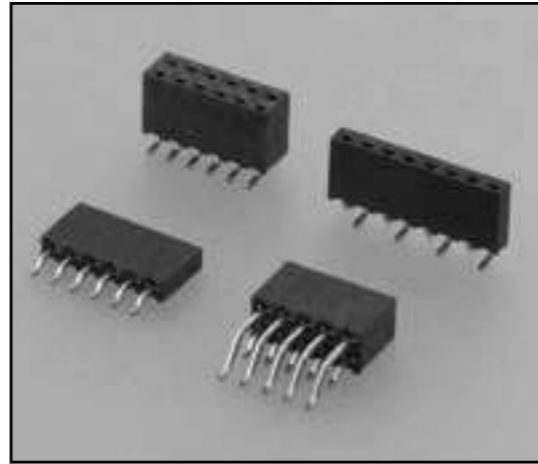
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

46-4160

SMT-Buchsenleisten RM 2,00mm, stehend/liegend, 1-/2-reihig – BH 7,62mm
 SMT Female Headers, 2.00mm Pitch, Vertical/Horizontal, Single/Double Row – 7.62mm Profile

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Phosphorbronze
Contact Material	Phosphor bronze
Kontaktfläche	Lt. Oberflächenoptionen, über Ni (1,3 ... 2,5µm)
Contact Surface	Au over Ni (1.3 ... 2.5µm)
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	500 V AC
Test Voltage	500 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	Reflow-Lötverfahren
Processing	Reflow soldering

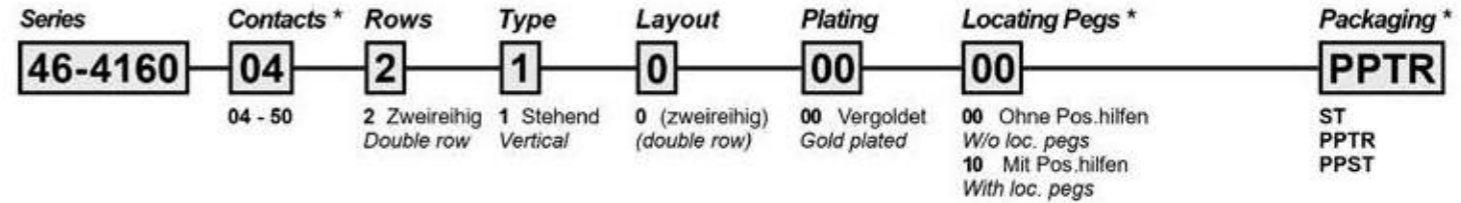
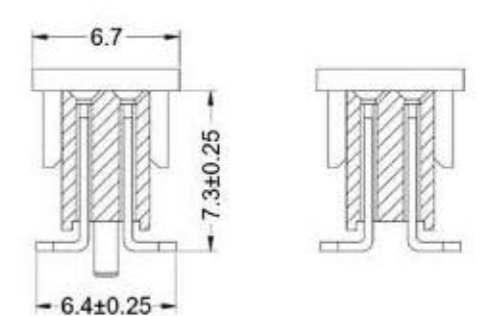
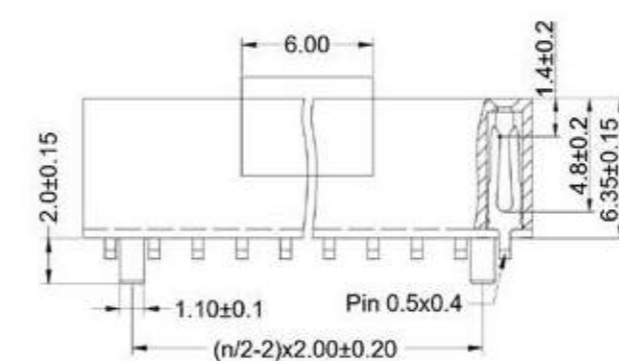
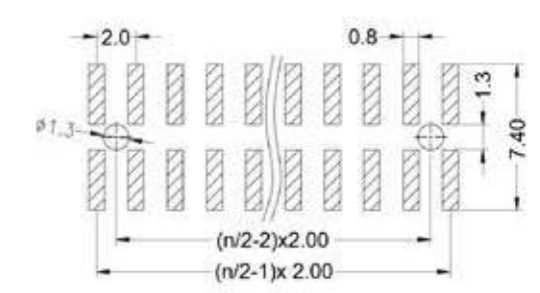
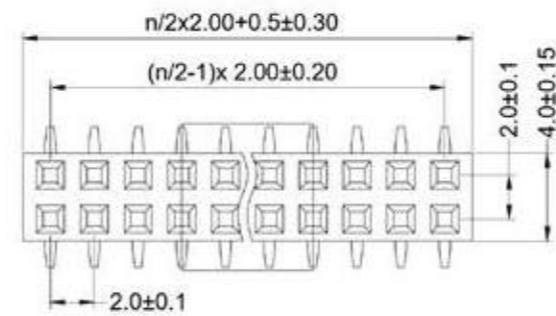


Lieferformen / Packaging Options:
 ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
 PPST In Stangen mit PP-Pads / In tubes with PP-Pads
 PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

46-4160

SMT-Buchsenleisten RM 2,00mm, stehend/liegend, 1-/2-reihig – BH 7,62mm
 SMT Female Headers, 2.00mm Pitch, Vertical/Horizontal, Single/Double Row – 7.62mm Profile

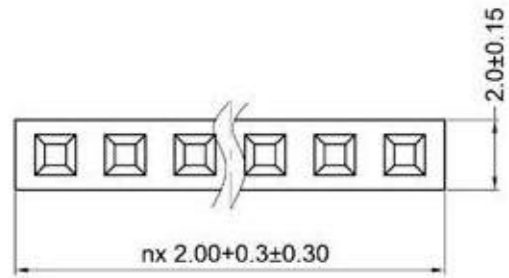


Lieferformen / Packaging Options:
 ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
 PPST In Stangen mit PP-Pads / In tubes with PP-Pads
 PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

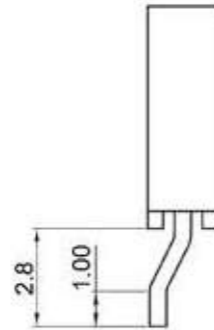
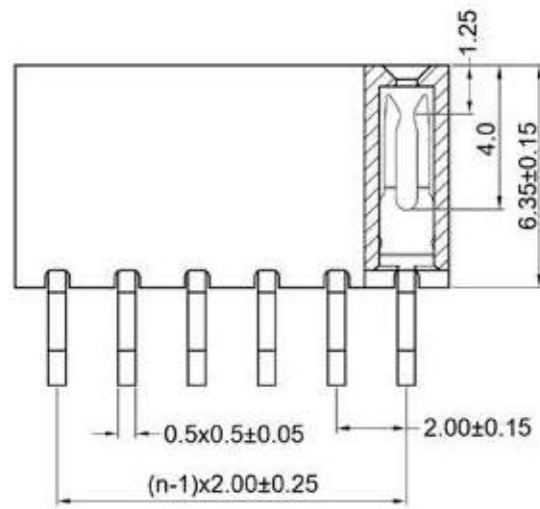
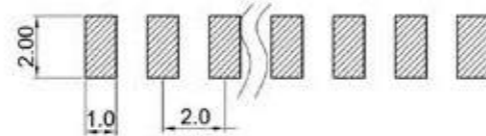
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

46-4160

SMT-Buchsenleisten RM 2,00mm, stehend/liegend, 1-/2-reihig – BH 7,62mm
 SMT Female Headers, 2.00mm Pitch, Vertical/Horizontal, Single/Double Row – 7.62mm Profile



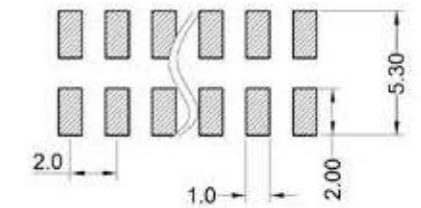
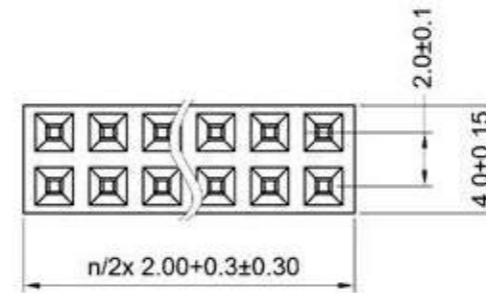
Recommended PCB Layout (Top Side)
 (PCB BOARD TOLERANCE ±0.05)



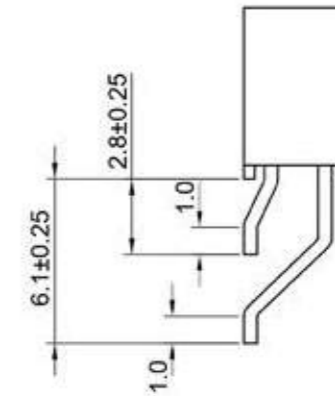
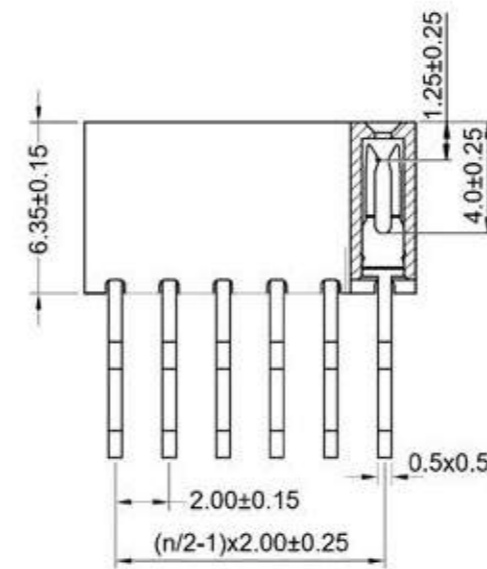
Series	Contacts *	Rows	Type	Plating	Packaging *
46-4160	06 03 - 30	1 1 Einreihig Single row	2 2 Liegend Horizontal	00 Vergoldet Gold plated	TR ST

46-4160

SMT-Buchsenleisten RM 2,00mm, stehend/liegend, 1-/2-reihig – BH 7,62mm
 SMT Female Headers, 2.00mm Pitch, Vertical/Horizontal, Single/Double Row – 7.62mm Profile



Recommended PCB Layout (Top Side)
 (PCB BOARD TOLERANCE ±0.05)



Series	Contacts *	Rows *	Type	Plating	Packaging *
46-4160	06 04 - 60	2 2 Zweireihig Double row	2 2 Liegend Horizontal	00 Vergoldet Gold plated	TR ST

Lieferformen / Packaging Options:
 ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
 PPST In Stangen mit PP-Pads / In tubes with PP-Pads
 PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

Lieferformen / Packaging Options:
 ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
 PPST In Stangen mit PP-Pads / In tubes with PP-Pads
 PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

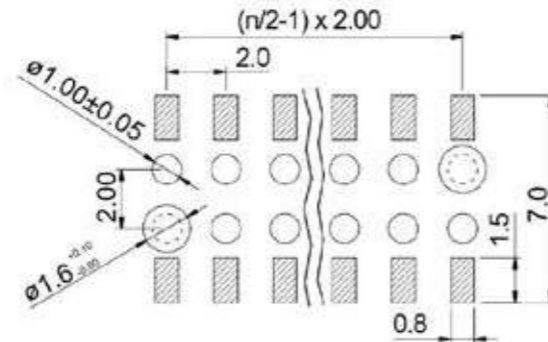
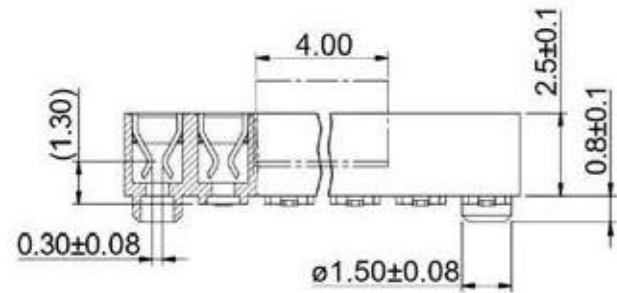
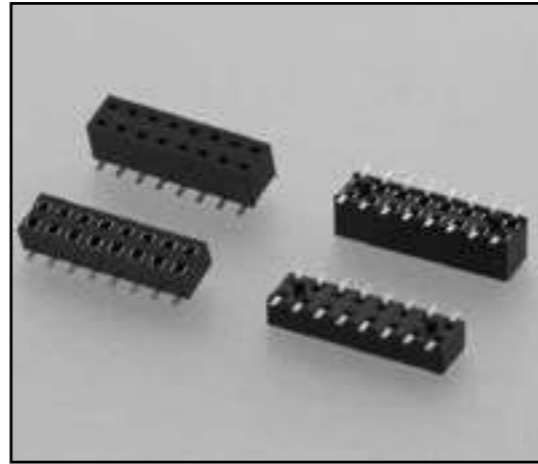
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

46-7450

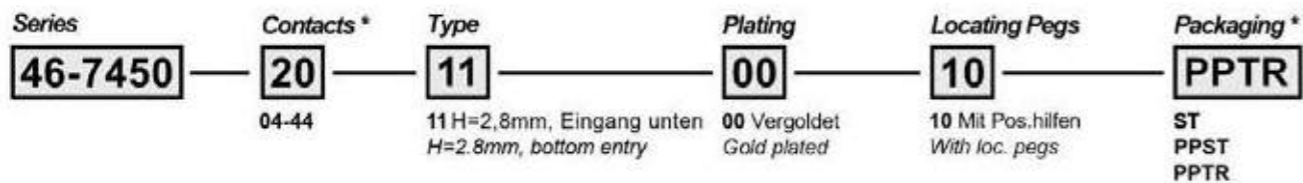
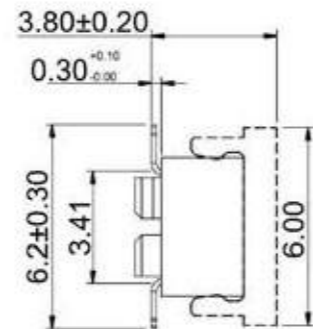
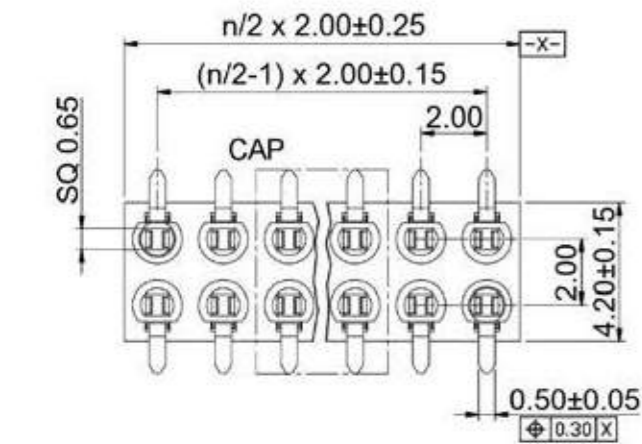
SMT-Buchsenleisten RM 2,00mm, stehend, 2-reihig – beidseitig steckbar
 SMT Female Headers, 2.00mm Pitch, Vertical, Double Row – Dual Entry

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktfläche	Lt. Oberflächenoptionen, über Ni (1,3 ... 2,5µm)
Contact Surface	Au over Ni (1.3 ... 2.5µm)
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	500 V AC
Test Voltage	500 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +125 °C
Temperature Range	-40 °C ... +125 °C
Verarbeitung	Reflow-Lötverfahren
Processing	Reflow soldering



Recommended PCB Layout (Top Side)
 (PCB BOARD TOLERANCE ±0.05)



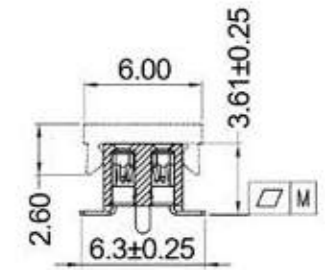
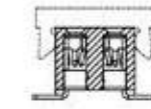
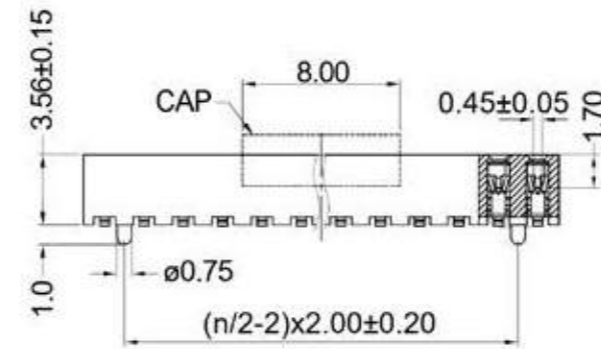
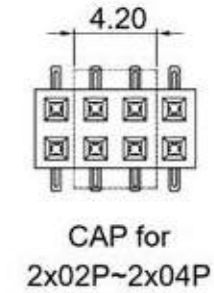
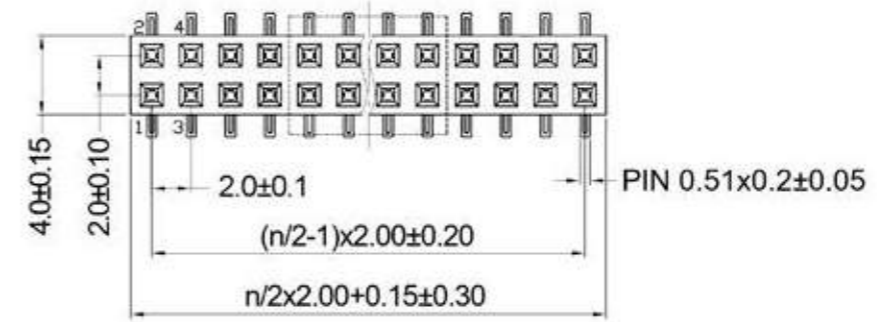
Lieferformen / Packaging Options:

- ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
- PPST In Stangen mit PP-Pads / In tubes with PP-Pads
- PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

46-7450

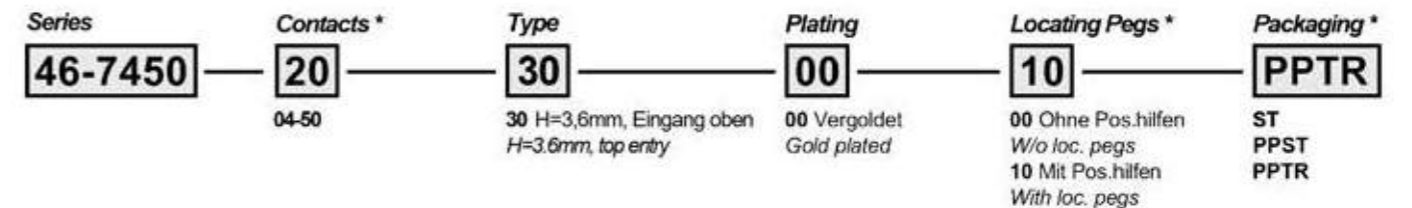
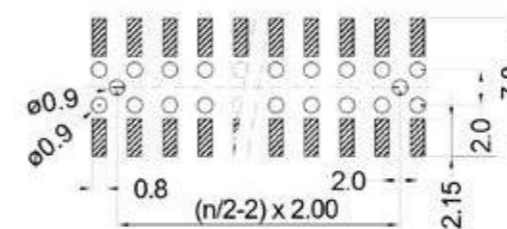
SMT-Buchsenleisten RM 2,00mm, stehend, 2-reihig – beidseitig steckbar
 SMT Female Headers, 2.00mm Pitch, Vertical, Double Row – Dual Entry



without Locating Pegs
 Option -00-

with Locating Pegs
 Option -10-

Recommended PCB Layout (Top Side)
 (PCB BOARD TOLERANCE ±0.05)



Lieferformen / Packaging Options:

- ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
- PPST In Stangen mit PP-Pads / In tubes with PP-Pads
- PPTR Tape&Reel mit PP-Pads / Tape&Reel with PP-Pads

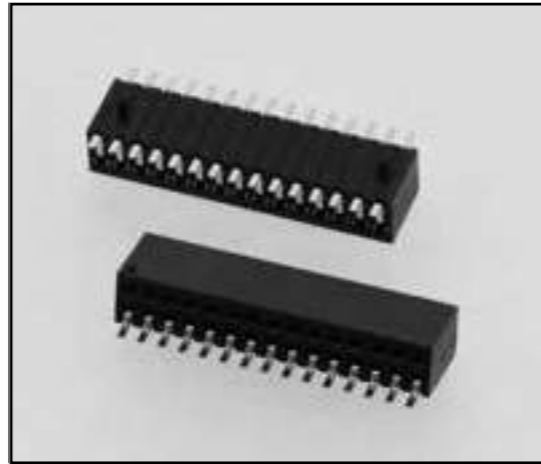
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

7131

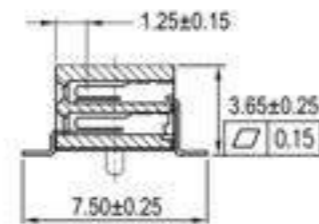
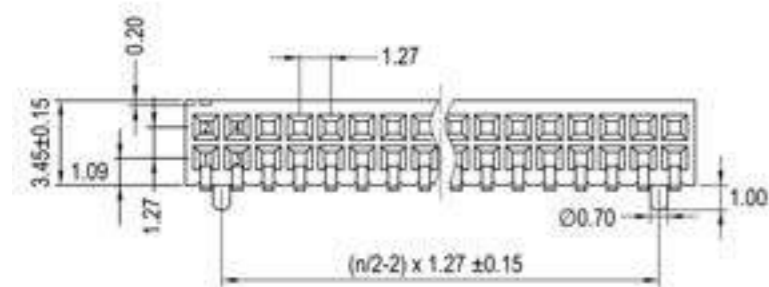
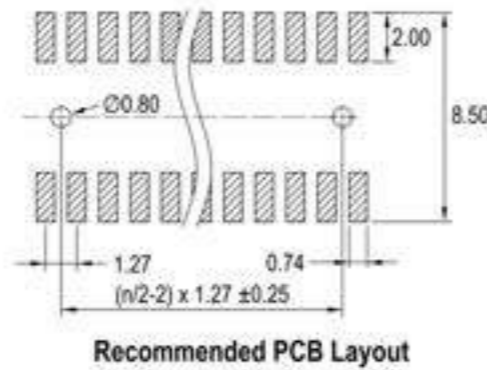
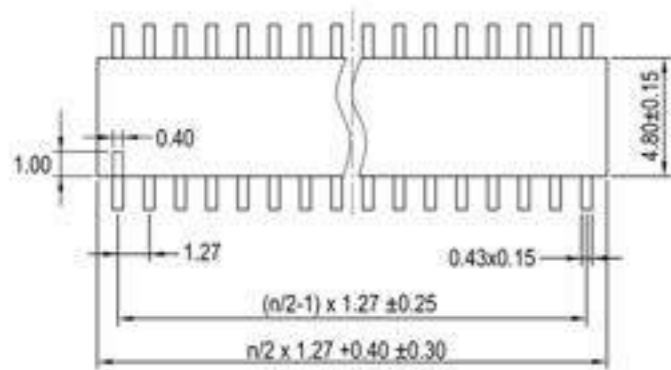
SMT-Buchsenleisten RM 1,27mm, seitlich steckbar, 2-reihig
SMT Female Headers, 1.27mm Pitch, Side Entry, Double Row

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Phosphorbronze
Contact Material	Phosphor bronze
Kontaktoberfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Acc. to options (see below), over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	500 V AC/DC
Test Voltage	500 V AC/DC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	Reflow-Lötverfahren 260 °C / 10sec
Processing	Reflow soldering 260 °C / 10sec



Doppelfederkontakte für Vierkantstifte 0,40mm.
Dual beam contacts accept 0.40mm square pins.



Series	Contacts*	Plating	Locating Pegs*	Packaging*
7131	16 04-80 Zweireihig Double row	00 00 Vergoldet Gold plated	10 00 Ohne Pos.hilfen W/o loc. pegs 10 Mit Pos.hilfen With loc. pegs	TR ST TR

Lieferformen / Packaging Options:
ST In Stangen / In tubes
TR Tape & Reel / Tape & Reel

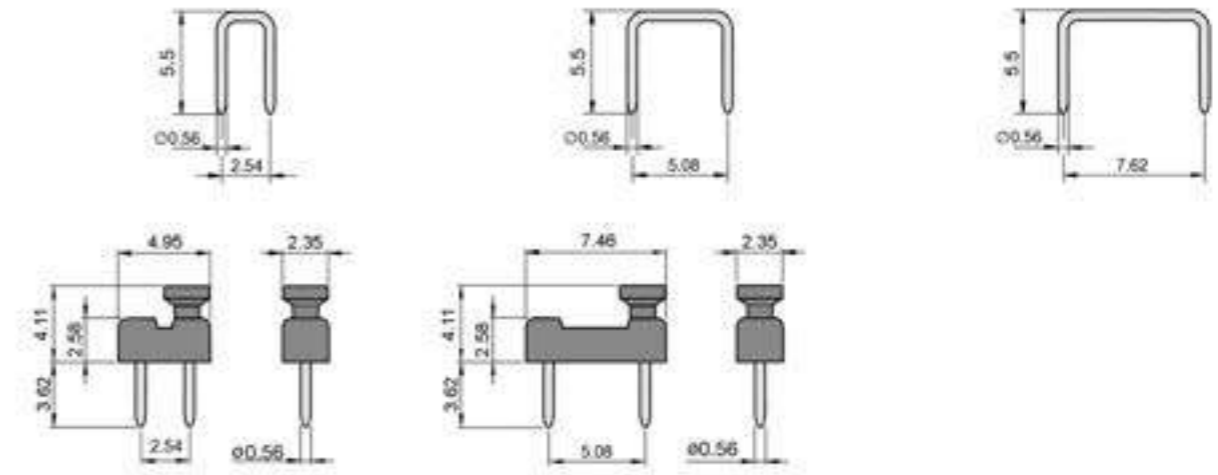
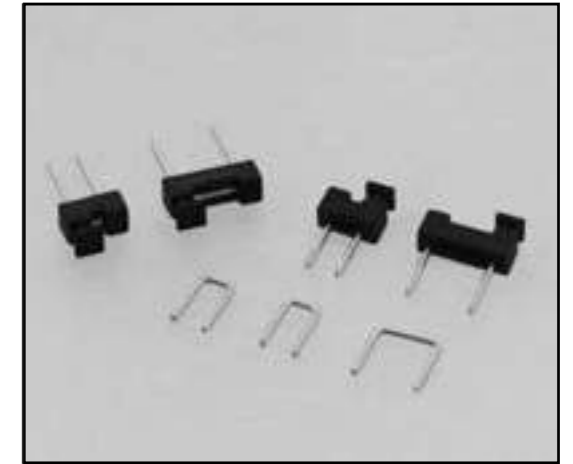
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

161

Kodierbrücken RM 2,54mm, RM 5,08mm, RM 7,62mm
Jumper Links 2.54mm Pitch, 5.08mm Pitch, 7.62mm Pitch

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktoberfläche	Gold über Nickel
Contact Surface	Gold over nickel
Durchgangswiderstand	< 10 mΩ
Contact Resistance	< 10 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	1 kV RMS
Test Voltage	1 kV RMS
Nennspannung	100 V RMS / 150 V DC
Voltage Rating	100 V RMS / 150 V DC
Nennstrom	3 A
Current Rating	3 A
Temperaturbereich	-55 °C ... +125 °C
Temperature Range	-55 °C ... +125 °C



Series	DIP-Spacing*	Plating*	Latch*
161	10 10 2.54mm 20 5.08mm 30 7.62mm (nur ohne Griffflasche) 7.62mm (w/o latch only)	00 00 Vergoldet Gold flash plated 10 0,25µm Gold 0.25µm gold plated	1 0 Ohne Griffflasche W/o latch 1 Mit Griffflasche With latch

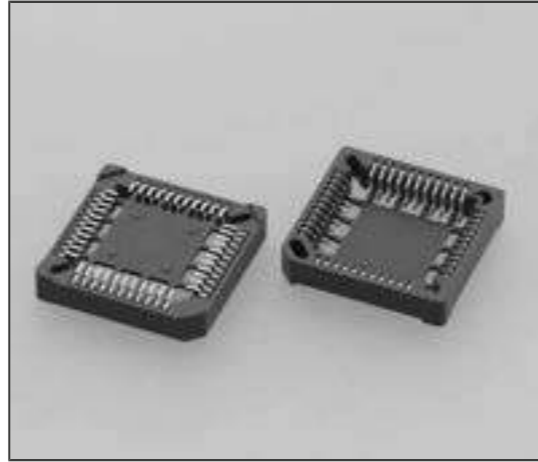
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

3502

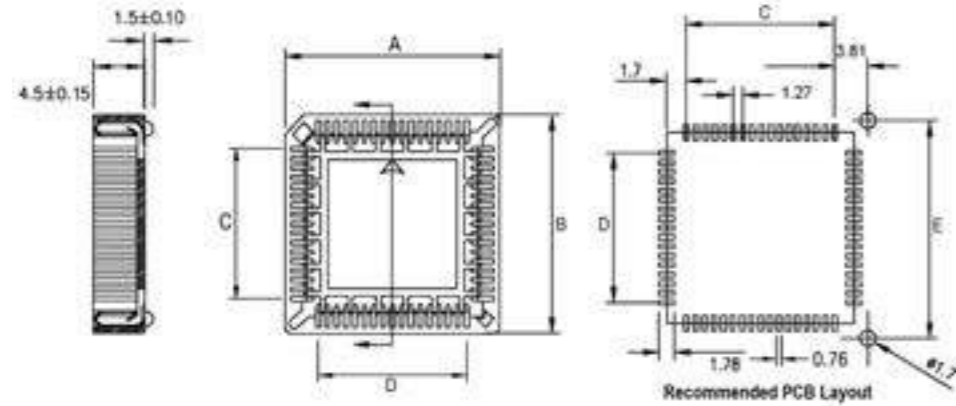
PLCC-Fassungen – SMT-Version PLCC-Sockets – SMT Type

Technische Daten / Technical Data

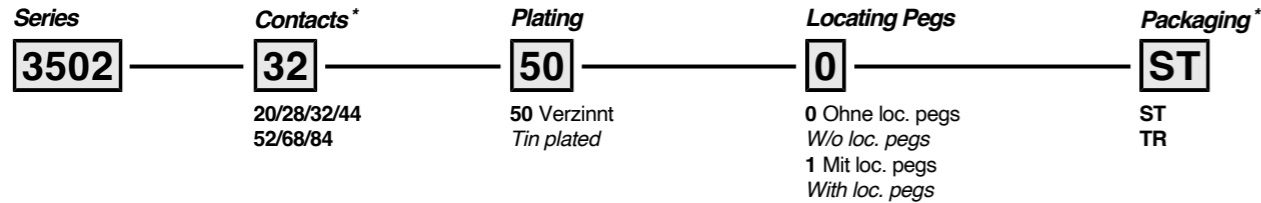
Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Farbe <i>Colour</i>	Braun <i>Brown</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktfläche <i>Contact Surface</i>	Verzinkt über Nickel <i>Tin plated over Nickel</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 30 mΩ bei 100 mA DC <i>< 30 mΩ at 100 mA DC</i>
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ <i>> 1000 MΩ</i>
Spannungsfestigkeit <i>Test Voltage</i>	500 V AC für 1min. <i>500 V AC for 1min.</i>
Nennstrom <i>Current Rating</i>	1 A <i>1 A</i>
Temperaturbereich <i>Temperature Range</i>	-55 °C ... +105 °C <i>-55 °C ... +105 °C</i>
Verarbeitung <i>Processing</i>	Reflow 260 °C für 5s <i>Reflow 260 °C for 5s</i>



Die Chipbestückung kann erst nach dem Lötprozess erfolgen.
We strongly recommend not to insert chips before soldering.



n	n(A) x n(B)	A ± 0.30	B ± 0.30	C ± 0.30	D ± 0.30	E ± 0.30
20	5x5	15.24	15.24	5.08	5.08	12.70
28	7x7	17.78	17.78	7.62	7.62	15.24
32	9x7	18.20	20.74	7.62	10.16	17.78
44	11x11	23.28	23.28	12.70	12.70	20.32
52	13x13	25.74	25.74	15.24	15.24	22.86
68	17x17	30.82	30.82	20.32	20.32	27.94
84	21x21	35.90	35.90	25.40	25.40	33.02



Lieferformen / Packaging Options:
ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
TR Tape & Reel (Option) / Tape & Reel (Option)

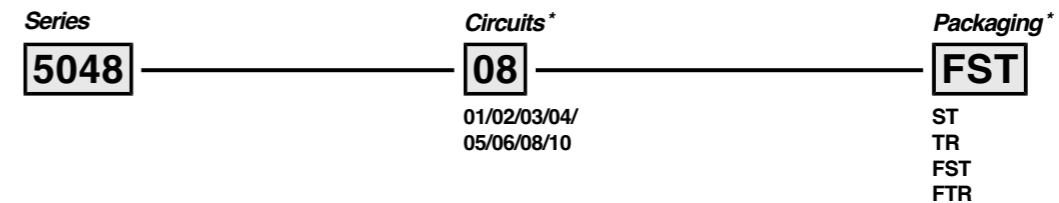
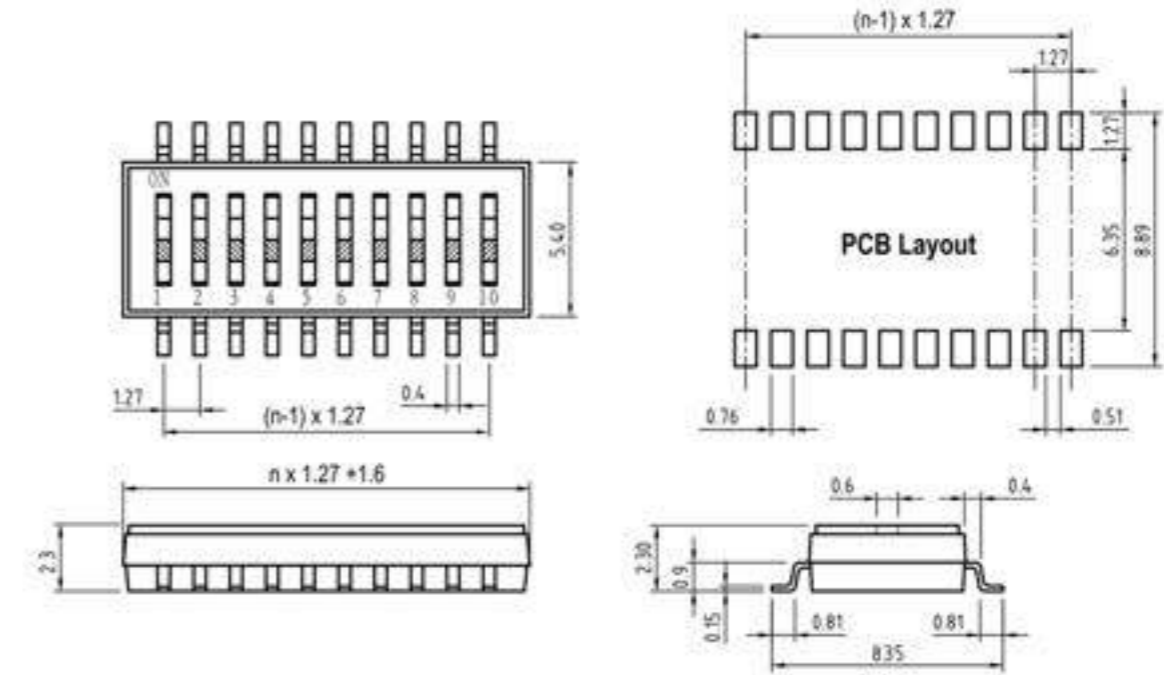
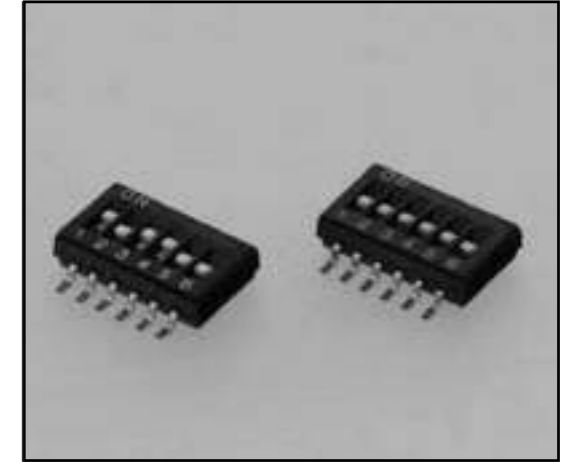
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

5048

SMT-DIP-Schalter RM 1,27mm - Bauhöhe 2,3mm SMT DIP-Switches, 1.27mm Pitch - 2.3mm Profile

Technische Daten / Technical Data

Gehäuse/Abdeckung/Hebel <i>Case/Cover/Actuator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Farbe <i>Colour</i>	Gehäuse: Schwarz, Hebel: Weiß <i>Black housing, white actuators</i>
Kontaktmaterial <i>Contact Material</i>	Schaltkontakt: Kupferlegierung Lötkontakt: Messing <i>Switch: Copper Alloy Terminal: Brass</i>
Kontaktbelastbarkeit <i>Contact Rating</i>	50 V _{DC} 100 mA in Ruhe 24 V _{DC} 25 mA im Schaltvorgang 50 V _{DC} 100 mA in steady situation 24 V _{DC} 25 mA mate and break
Kontaktfläche <i>Contact Surface</i>	Vergoldet <i>Gold plated</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 100 mΩ at initial state <i>< 100 mΩ at initial state</i>
Isolationswiderstand <i>Insulation Resistance</i>	> 100 MΩ <i>> 100 MΩ</i>
Spannungsfestigkeit <i>Test Voltage</i>	300 V AC <i>300 V AC</i>
Temperaturbereich <i>Temperature Range</i>	-40 °C ... +85 °C <i>-40 °C ... +85 °C</i>
Mechanische Lebensdauer <i>Mechanical Life</i>	> 1000 Zyklen/Schalter <i>> 1000 cycles/switch</i>
Verarbeitung <i>Processing</i>	Reflow-Lötverfahren, 250 °C für 5s max. <i>Reflow Soldering, 250 °C for 5s max.</i>



Lieferformen / Packaging Options:
ST In Stangen / In tubes
TR Tape & Reel (Option) / Tape & Reel (Option)
FST In Stangen, mit Abdeckfolie / In tubes, top film tape sealed
FTR Tape & Reel, mit Abdeckfolie (Option) / Tape & Reel, top film tape (Option)

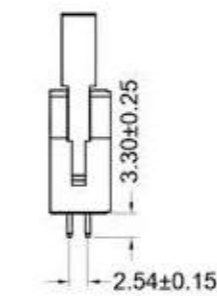
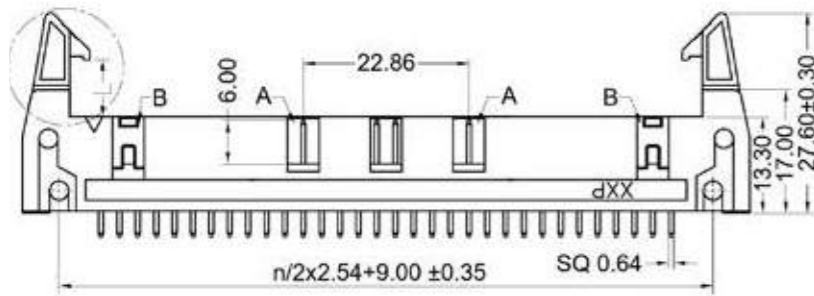
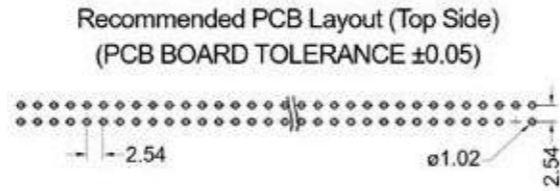
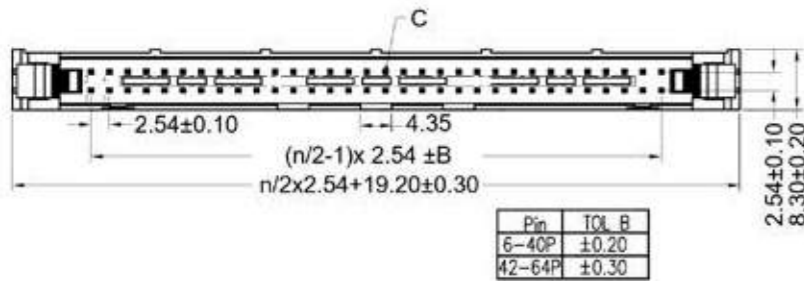
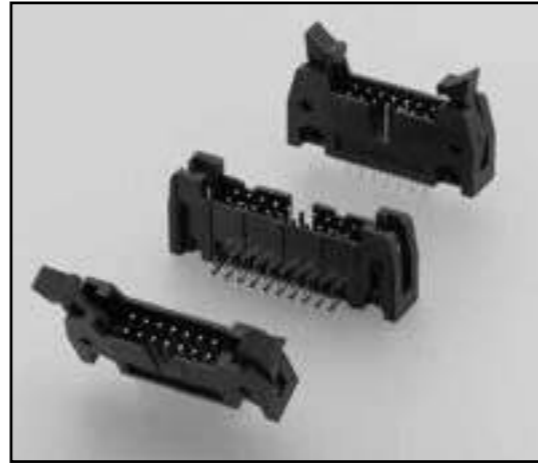
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

46-138

Wannenstiftleisten mit Verriegelung RM 2,54mm Box Headers with Latches, 2.54mm Pitch

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,635mm, Kupferlegierung
Contact Material	0.635mm square pin, copper alloy
Kontaktoberfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Au over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 5 GΩ
Insulation Resistance	> 5 GΩ
Spannungsfestigkeit	1000 V AC
Test Voltage	1000 V AC
Nennspannung	250 V AC
Voltage Rating	250 V AC
Nennstrom	3 A
Current Rating	3 A
Temperaturbereich	-55 °C ... +105 °C
Temperature Range	-55 °C ... +105 °C
Verarbeitung	Wellenlötverfahren (auf Anfrage auch für Reflow-Lötverf.)
Processing	Wave soldering



Long Latch



Short Latch

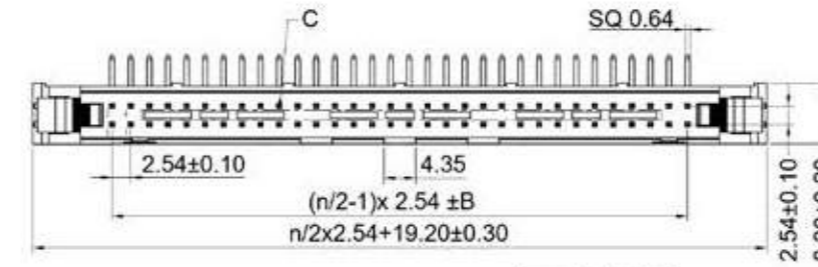
06P-18P Without Slots A and B
20P-58P Without Slots A, With Slots B
60P-64P With Slots A and B and C

Series	Contacts *	Type	Latches *	Plating
46-138	040	1	00	00
	10 14 16 20 24 26 30 34 40 50 60 64	1 Gerade Straight	00 Ohne Hebel W/o latches 10 Kurze Hebel Short latches 20 Lange Hebel Long latches	00 Vergoldet Gold plated

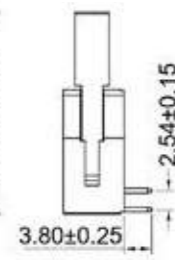
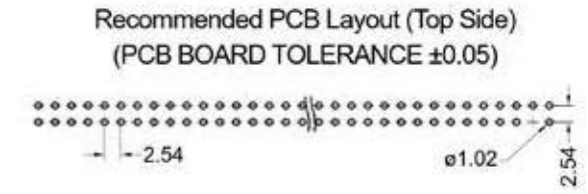
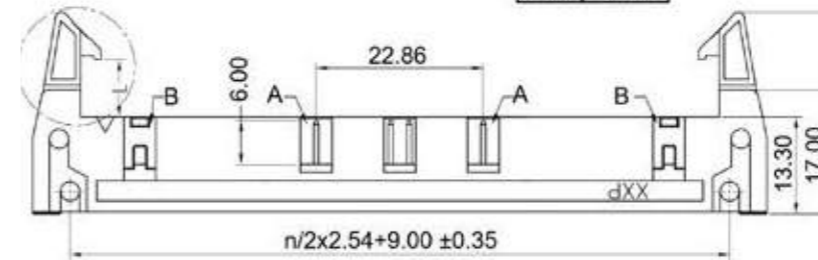
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

46-138

Wannenstiftleisten mit Verriegelung RM 2,54mm Box Headers with Latches, 2.54mm Pitch



Pin	TOL B
6-40P	±0.20
42-64P	±0.30



Long Latch



Short Latch

06P-18P Without Slots A and B
20P-58P Without Slots A, With Slots B
60P-64P With Slots A and B and C

Series	Contacts *	Type	Latches *	Plating
46-138	040	2	00	00
	10 14 16 20 24 26 30 34 40 50 60 64	2 Gewinkelt Right-angled	00 Ohne Hebel W/o latches 10 Kurze Hebel Short latches 20 Lange Hebel Long latches	00 Vergoldet Gold plated

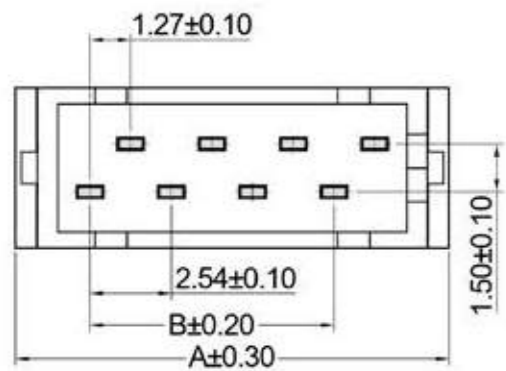
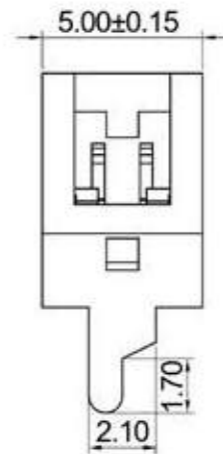
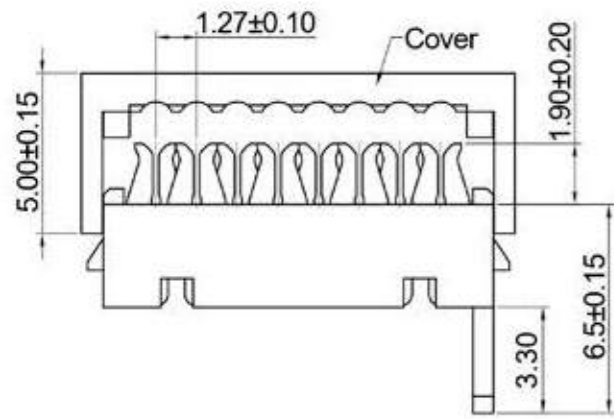
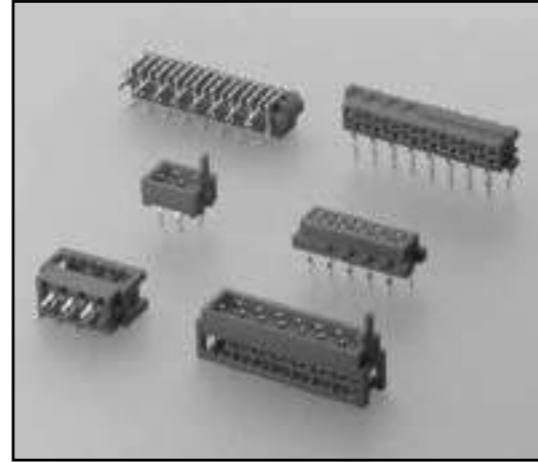
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

46-699

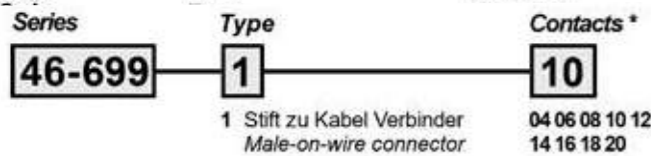
Miniatur Steckverbinder RM 2,54mm Miniature Connectors, 2.54mm Pitch

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0, rot
Insulator	Thermoplastic, rated UL94 V-0, red
Kontaktmaterial	Kupferlegierung, verzinkt über Nickel
Contact Material	Copper alloy
Kontaktfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Au over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	500 V RMS
Test Voltage	500 V RMS
Nennspannung	100 V RMS
Voltage Rating	100 V RMS
Nennstrom	1,5 A
Current Rating	1,5 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	Wellen- oder Reflow-Lötverfahren
Processing	Wave or reflow soldering

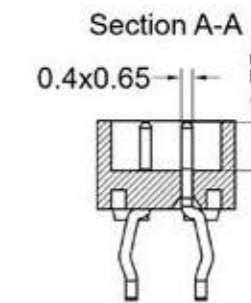
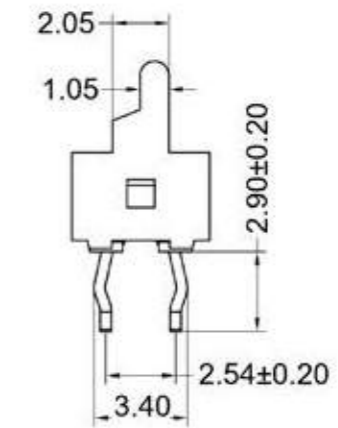
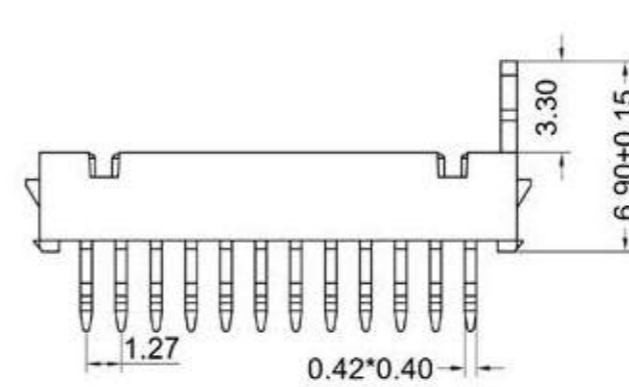
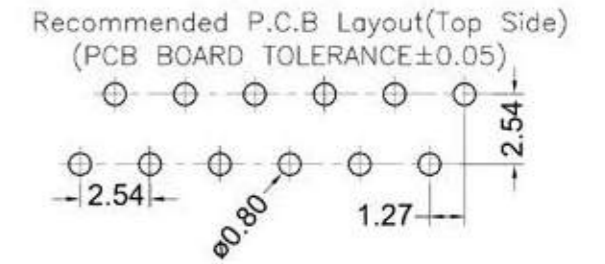
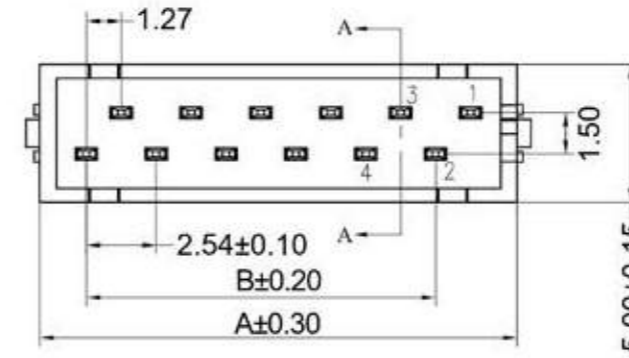


Circuit	Dimension	
	A	B
04	8.45	2.54
06	10.99	5.08
08	13.53	7.62
10	16.07	10.16
12	18.61	12.70
14	21.15	15.24
16	23.69	17.78
18	26.23	20.32
20	28.77	22.86

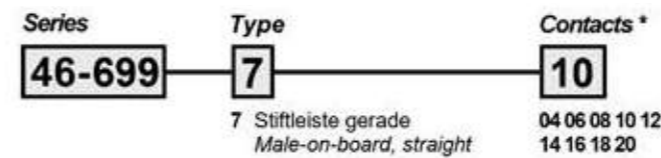


46-699

Miniatur Steckverbinder RM 2,54mm Miniature Connectors, 2.54mm Pitch

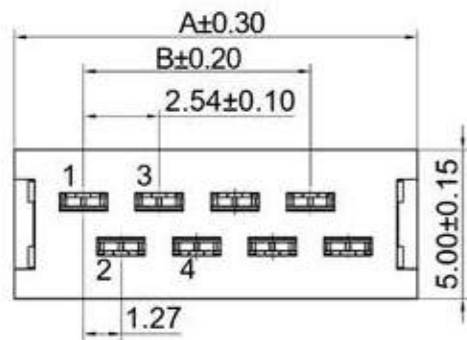
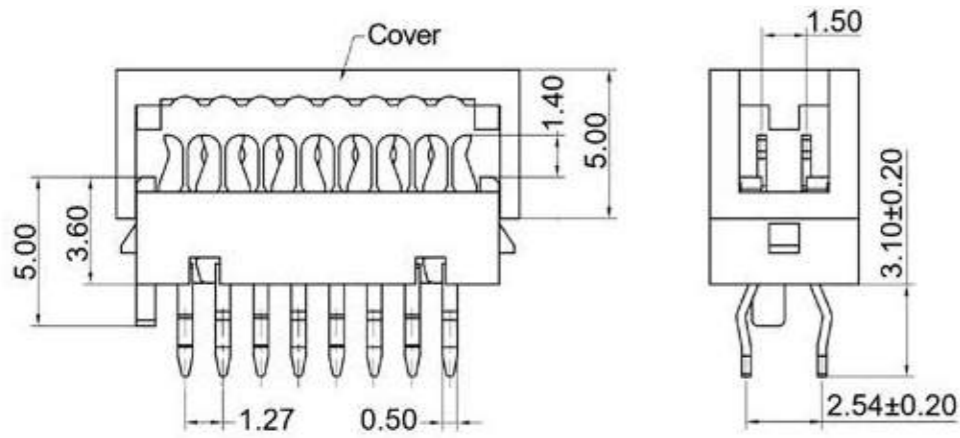


Circuit	Dimension	
	A	B
04	7.20	2.54
06	9.74	5.08
08	12.28	7.62
10	14.82	10.16
12	17.36	12.70
14	19.90	15.24
16	22.44	17.78
18	24.98	20.32
20	27.52	22.86

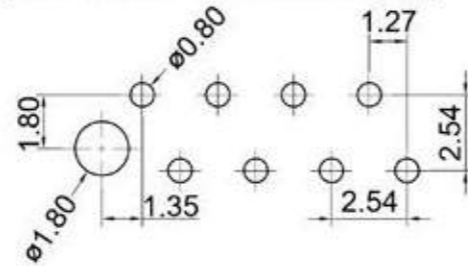


46-699

Miniatur Steckverbinder RM 2,54mm
Miniature Connectors, 2.54mm Pitch



Recommended P.C.B. Layout (Top Side)
(PCB BOARD TOLERANCE ±0.05)

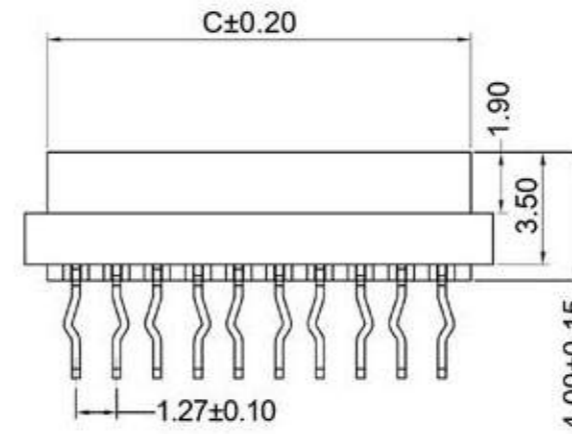
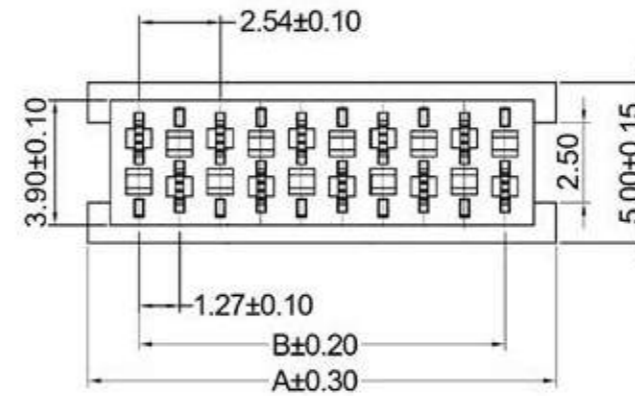


Circuit	Dimension	
	A	B
04	8.45	2.54
06	10.99	5.08
08	13.53	7.62
10	16.07	10.16
12	18.61	12.70
14	21.15	15.24
16	23.69	17.78
18	26.23	20.32
20	28.77	22.86

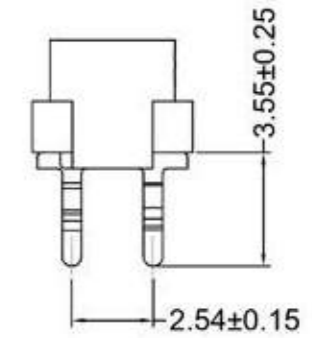
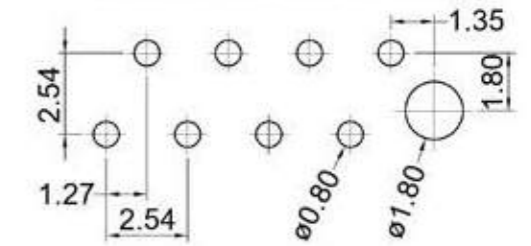
Series **46-699** Type **2** Contacts* **10**
 2 Leiterplattenverbinder
Paddle board connector
 04 06 08 10 12
14 16 18 20

46-699

Miniatur Steckverbinder RM 2,54mm
Miniature Connectors, 2.54mm Pitch



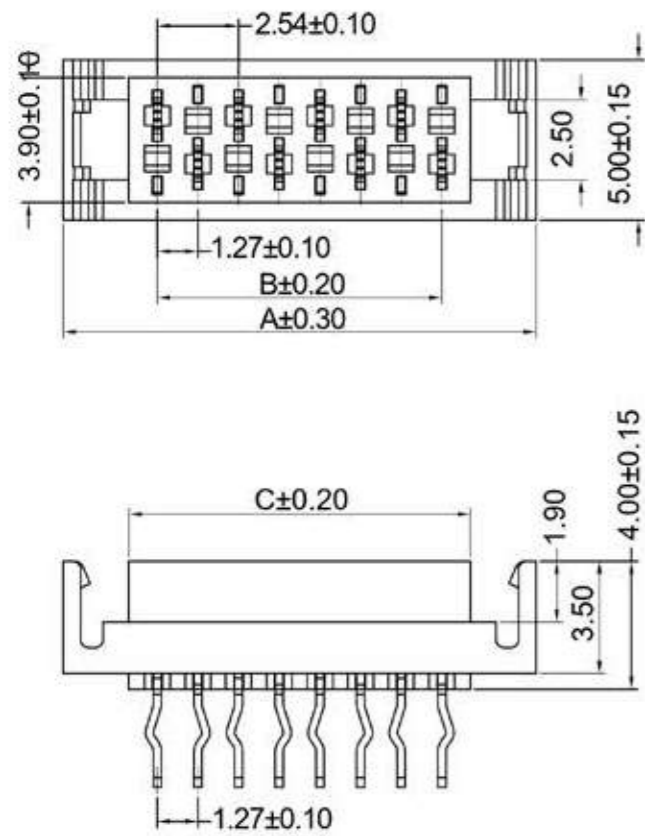
Recommended P.C.B. Layout (Top Side)
(PCB Board Tolerance ±0.05)



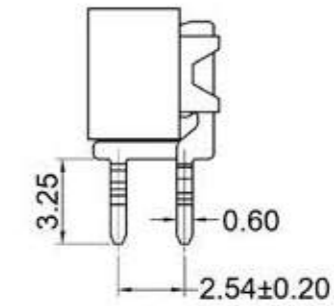
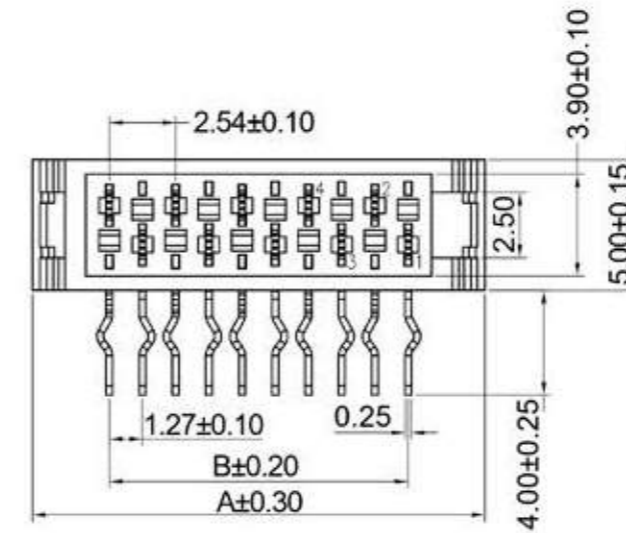
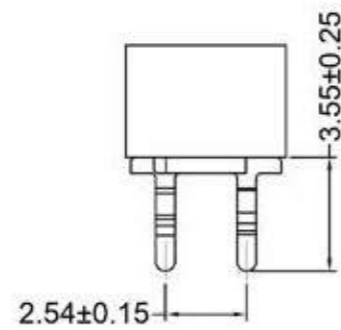
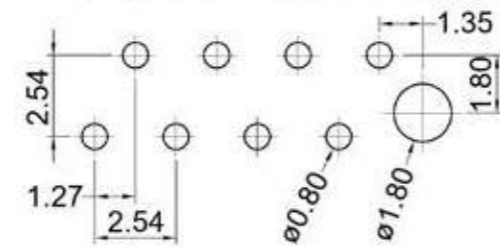
Specification & Ordering

Circuit	Dimension		
	A	B	C
04	7.00	3.81	5.60
06	9.54	6.35	8.14
08	12.08	8.89	10.68
10	14.62	11.43	13.22
12	17.16	13.97	15.76
14	19.70	16.51	18.30
16	22.24	19.05	20.84
18	24.78	21.59	23.38
20	27.32	24.13	25.92

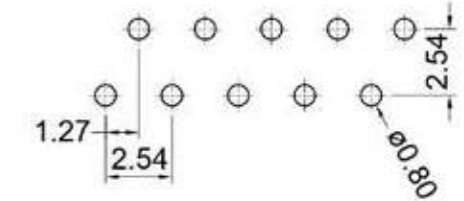
Series **46-699** Type **3** Contacts* **10** Locking **[]**
 3 Buchse, gerade
Female-on-board, straight
 04 06 08 10 12
14 16 18 20
 [] Ohne Rast-Clips
No locks



Recommended P.C.B Layout (Top Side)
(PCB Board Tolerance ±0.05)



Recommended P.C.B Layout (Top Side)
(PCB Board Tolerance ±0.05)



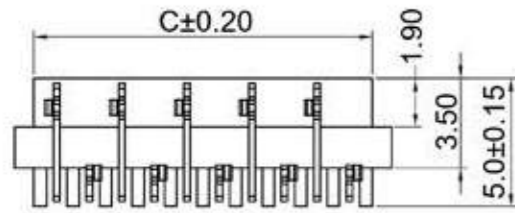
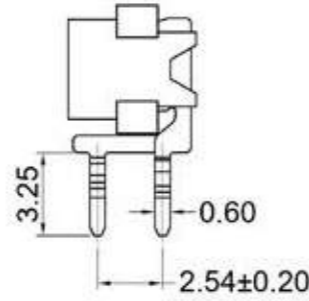
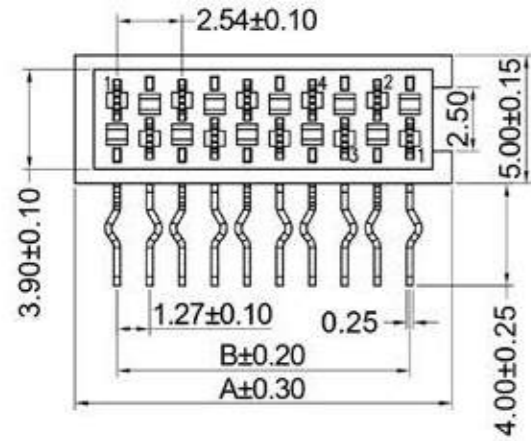
Series **46-699** Type **3** Contacts* **10** Locking **1**
 3 Buchse, gerade
Female-on-board, straight
 04 06 08 10 12
14 16 18 20
 1 Mit Rast-Clips (für Buchse)
With locks (female connectors)

Circuit	Dimension	
	A	B
04	8.45	2.54
06	10.99	5.08
08	13.53	7.62
10	16.07	10.16
12	18.61	12.70
14	21.15	15.24
16	23.69	17.78
18	26.23	20.32
20	28.77	22.86

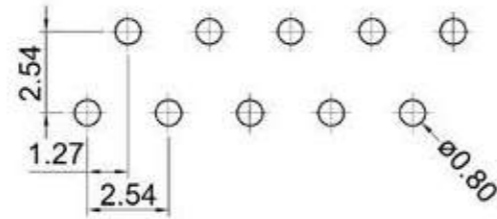
Series **46-699** Type **4** Contacts* **10** Locking **1**
 4 Buchse, gewinkelt
Female-on-board,
right-angled
 04 06 08 10 12
14 16 18 20
 1 Mit Rast-Clips (für Buchse)
With locks (female connector)

Specification & Ordering Information:

Circuit	Dimension		
	A	B	C
04	9.70	3.81	5.60
06	12.24	6.35	8.14
08	14.78	8.89	10.68
10	17.32	11.43	13.22
12	19.86	13.97	15.76
14	22.40	16.51	18.30
16	24.94	19.05	20.84
18	27.48	21.59	23.38
20	30.02	24.13	25.92



Recommended P.C.B Layout (Top Side)
(PCB Board Tolerance ±0.05)



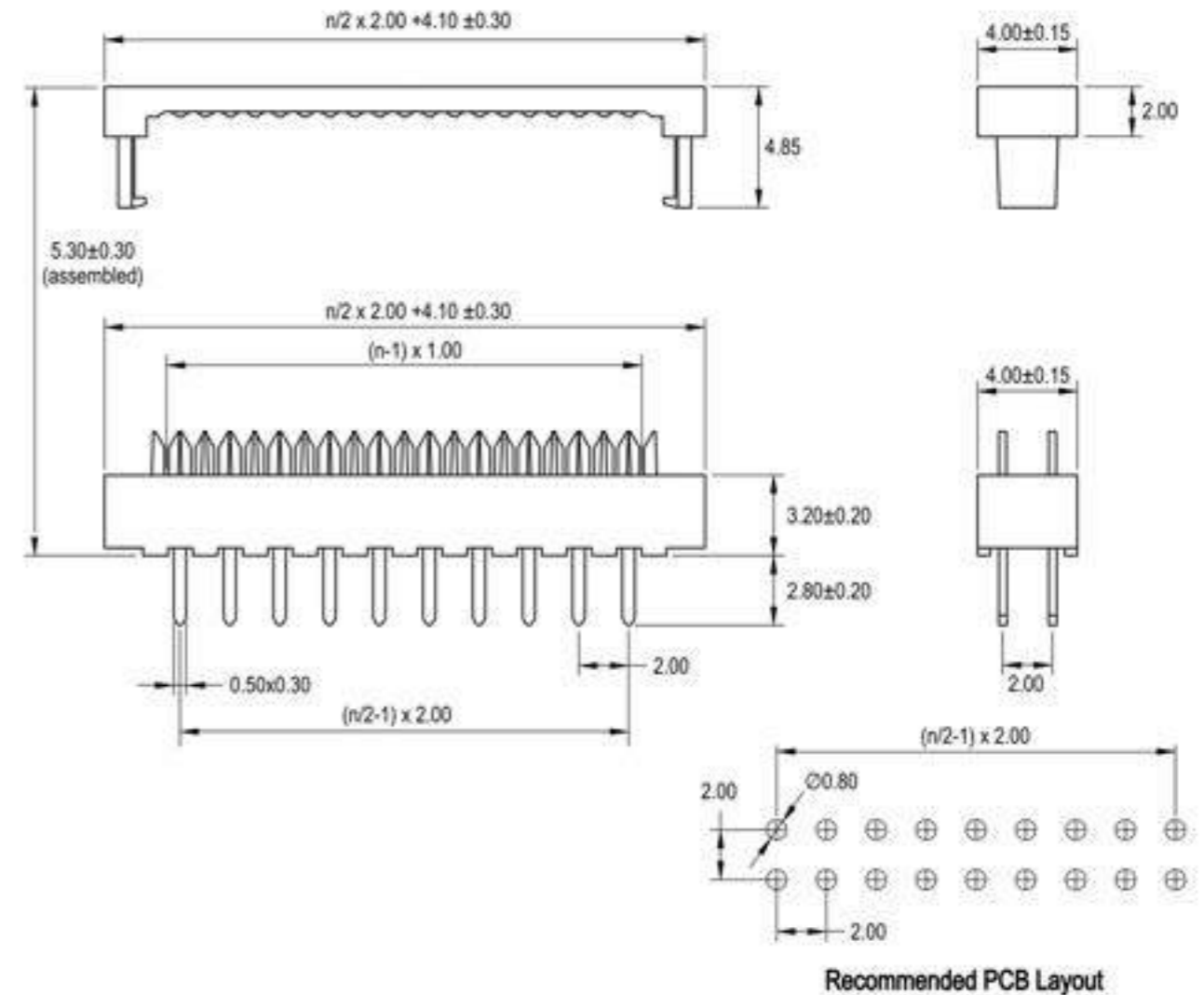
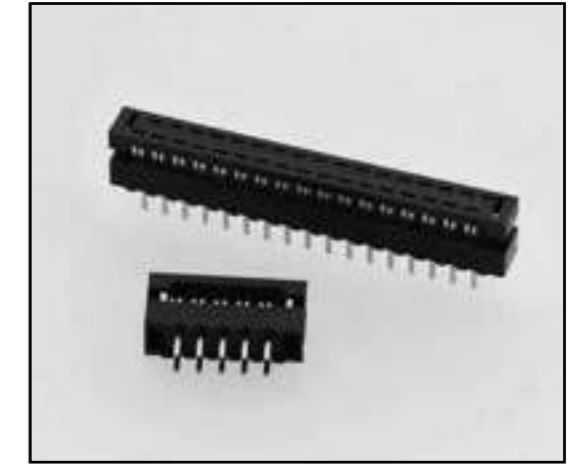
Specification & Ordering Information:

Circuit	Dimension		
	A	B	C
04	7.00	3.81	5.60
06	9.54	6.35	8.14
08	12.08	8.89	10.68
10	14.62	11.43	13.22
12	17.16	13.97	15.76
14	19.70	16.51	18.30
16	22.24	19.05	20.84
18	24.78	21.59	23.38
20	27.32	24.13	25.92

Series **46-699** Type **4** Contacts* **10** Locking **[]**
 4 Buchse, gewinkelt
Female-on-board,
right-angled
 04 06 08 10 12
14 16 18 20
 [] Ohne Rast-Clips
W/o locks

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktfläche	Sel. Au / Sn über Nickel
Contact Surface	Sel. Au / Sn over nickel
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	500 V AC
Test Voltage	500 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +105 °C
Temperature Range	-40 °C ... +105 °C
Verarbeitung	Wellenlötverfahren
Processing	Wave soldering



Series **335** Contacts* **20** Plating **60**
 08-50
 60 Sel. Au / Sn

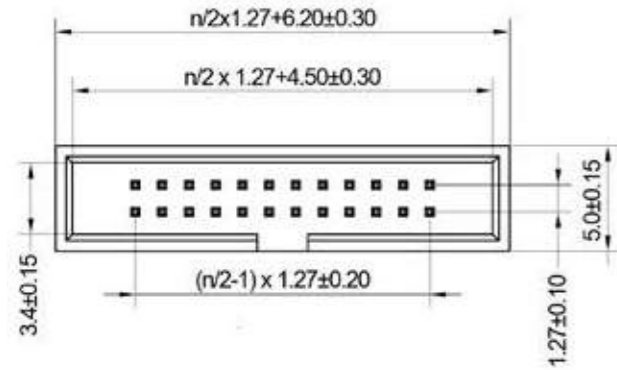
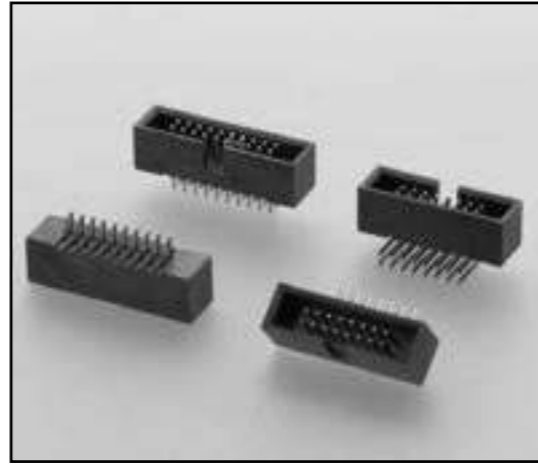
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

46-336

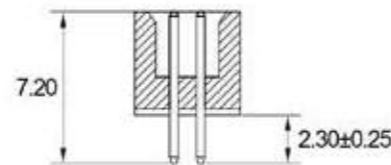
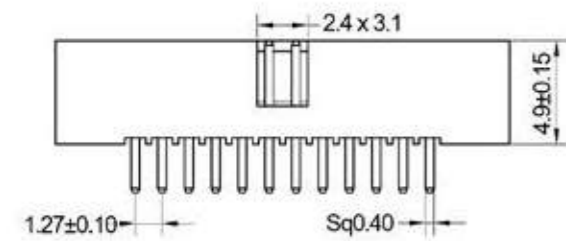
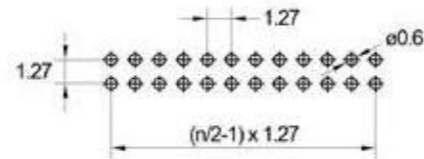
Wannenstiftleisten RM 1,27mm, gerade/gewinkelt Box Headers, 1.27mm Pitch, Straight/Right-Angled

Technische Daten / Technical Data

Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Kontaktmaterial <i>Contact Material</i>	Messing
Kontaktoberfläche <i>Contact Surface</i>	Vergoldet
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ
Spannungsfestigkeit <i>Test Voltage</i>	500 V AC
Nennstrom <i>Current Rating</i>	1 A
Temperaturbereich <i>Temperature Range</i>	-40 °C ... +105 °C
Verarbeitung <i>Processing</i>	Wellen- oder Reflow-Lötverfahren <i>Wave or reflow soldering</i>



Recommended PCB Layout (Top Side)
(PCB BOARD TOLERANCE ±0.05)

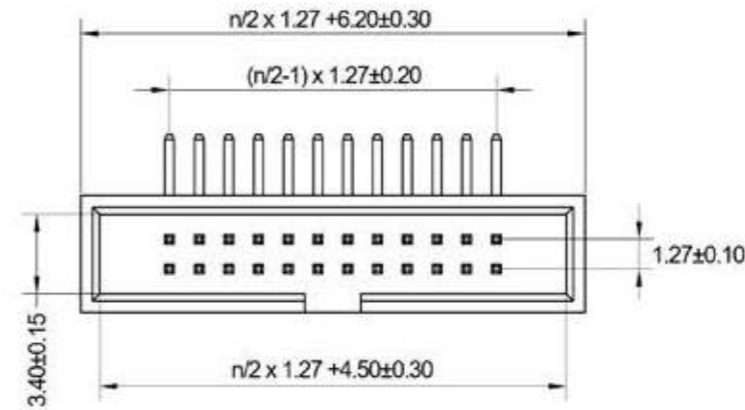


Series	Contacts *	Type	Plating
46-336	040 010-060	1 1 Gerade Straight	00 00 Vergoldet Gold plated

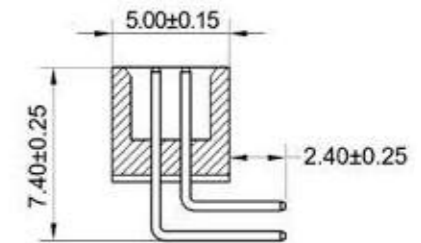
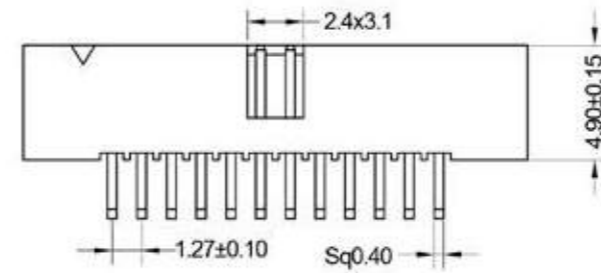
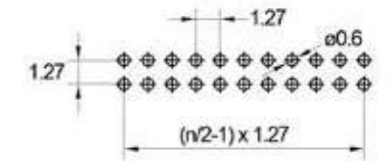
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

46-336

Wannenstiftleisten RM 1,27mm, gerade/gewinkelt Box Headers, 1.27mm Pitch, Straight/Right-Angled



Recommended PCB Layout (Top Side)
(PCB BOARD TOLERANCE ±0.05)



Series	Contacts *	Type	Plating
46-336	040 010-060	2 2 Gewinkelt Right-angled	00 00 Vergoldet Gold plated

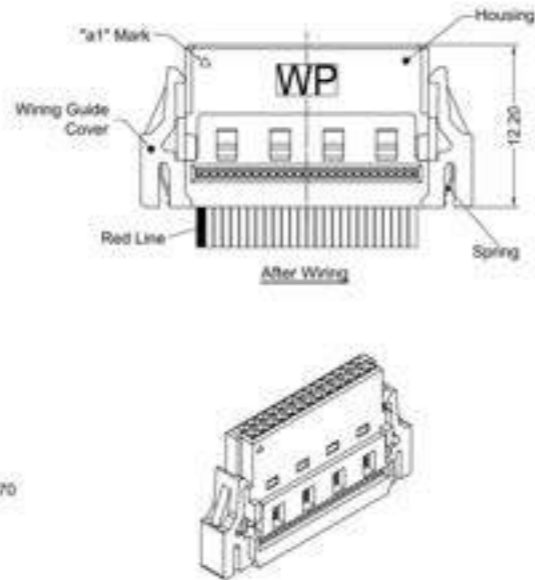
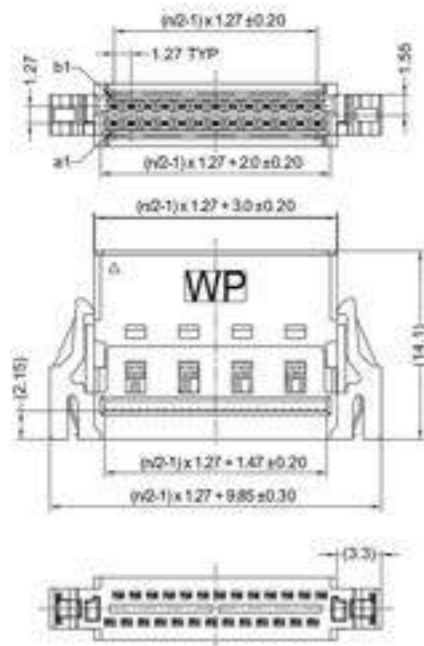
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

Technische Daten / Technical Data

Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Aderquerschnitt <i>Applicable wire Gauge</i>	AWG 30
Durchgangswiderstand <i>Contact Resistance</i>	< 30 mΩ
Spannungsfestigkeit <i>Test Voltage</i>	150 V
Nennstrom <i>Current Rating</i>	0,5 A
Temperaturbereich <i>Temperature Range</i>	-20 °C ... +105 °C



Passende Gegenstecker:
Compatible Connectors:
9019 9020
Passende Flachbandkabel:
Compatible Flat Cables:
3568



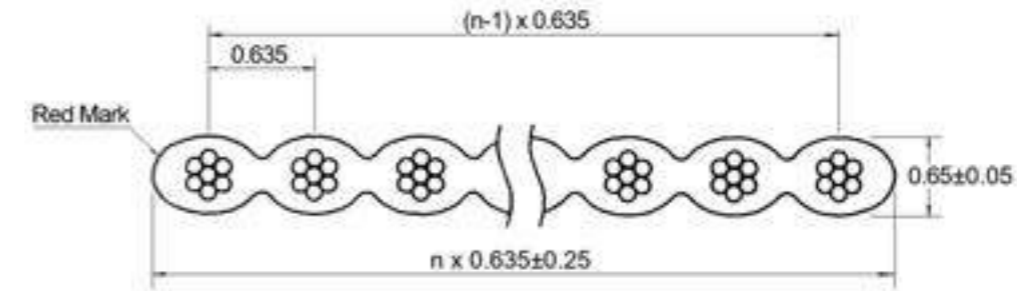
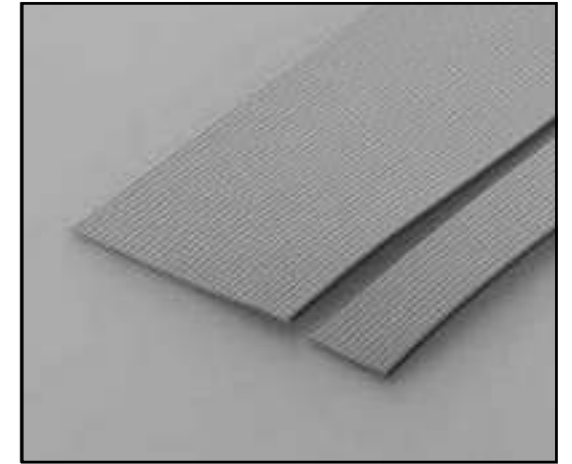
Series 916	Contacts* 20 12/16/20/26/32	Strain Relief 00 00 ohne Zugentlastung w/o strain relief	Plating 80 80 Sel. Au 0,75µm / Sn over Ni Sel. Au 30µ" / Sn over Ni
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* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

Technische Daten / Technical Data

Kontaktmaterial <i>Contact Material</i>	Kupfer, verzinkt <i>Copper, tin-plated</i>
Isolationswiderstand <i>Insulation Resistance</i>	> 0,75 MΩ/km > 0,75 MΩ/km
Temperaturbereich <i>Temperature Range</i>	-20 °C ... +105 °C -20 °C ... +105 °C

Brandverhalten nach UL: VW-1
Reaction to Fire Rating UL: VW-1



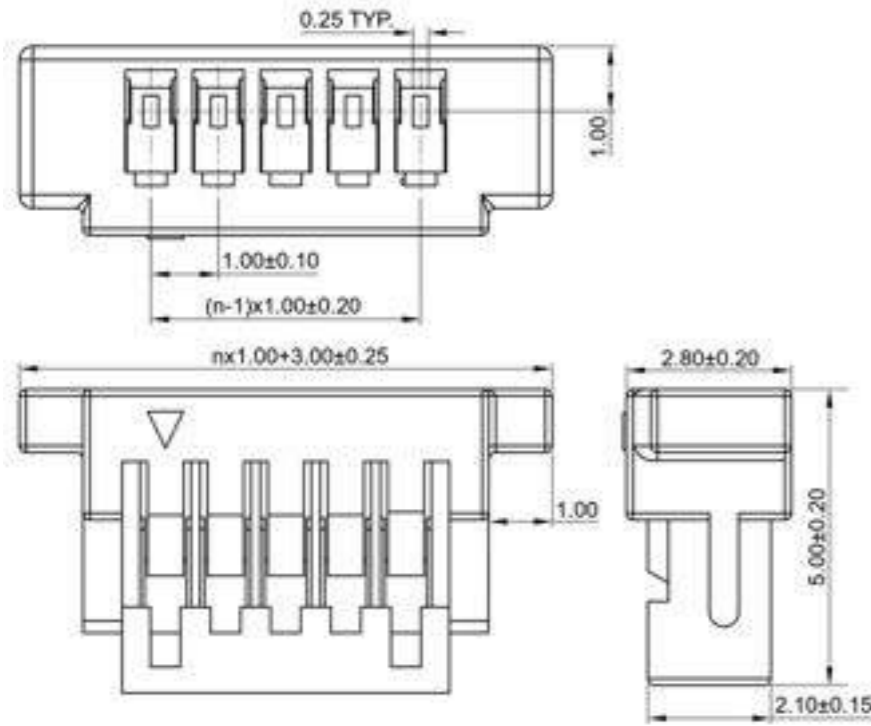
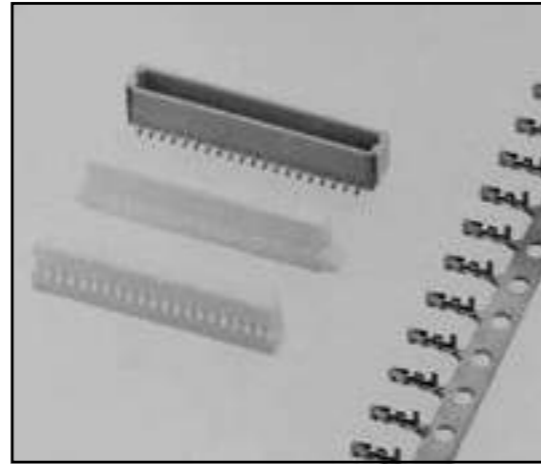
UL-Typ UL-Style	2678
Leitwiderstand El. Resistance	377 Ohm/km (AWG 30)
Spannungsfestigkeit Test Voltage	1500 V
Nennspannung Voltage Rating	150 V
Nennstrom Curent Rating	0.50 A

Series 3568	Type 4 4 Raster 0,635mm, grau 0.635mm Pitch, grey	Conductors 307 307 AWG 30 (7 Einzeldrähte) AWG 30 (7 Strands)	Contacts* 12 12/16/20/26/32
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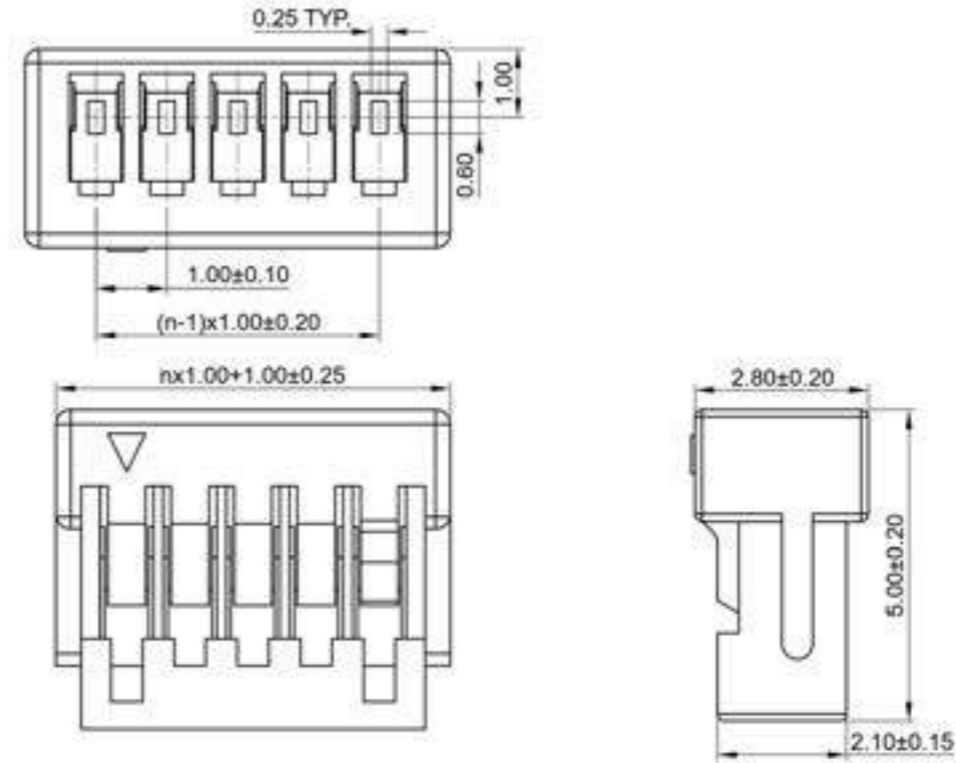
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

Technische Daten / Technical Data

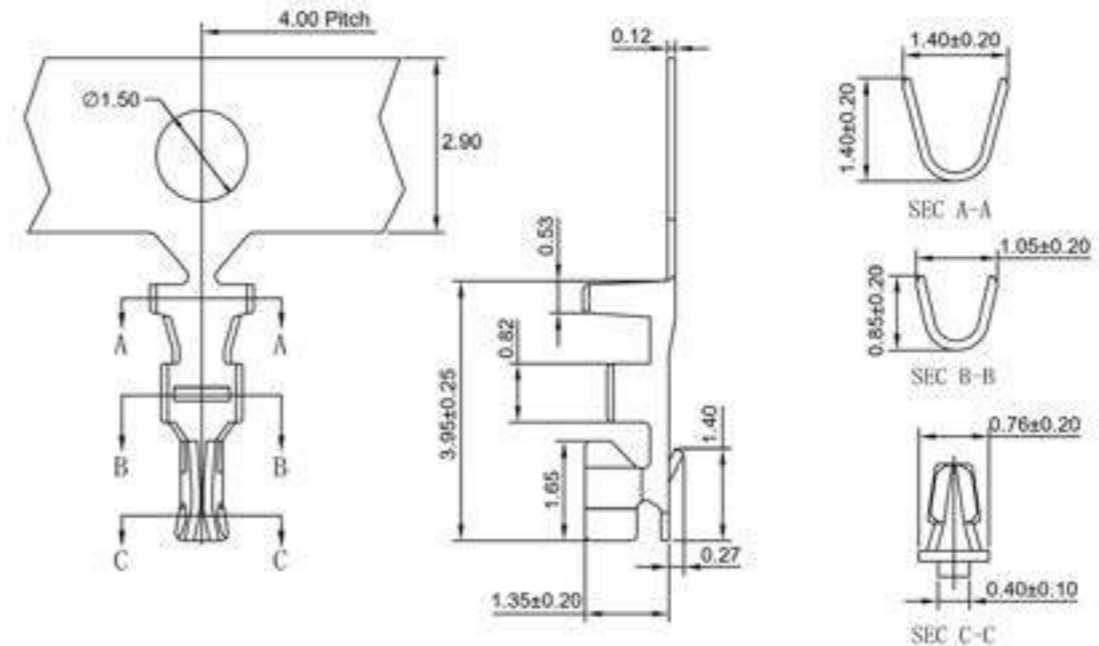
Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplast, nach UL94 V-0</i>
Farbe <i>Colour</i>	Gehäuse weiss, Wanne creme <i>Housing white, box header creme</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktoberfläche <i>Contact Surface</i>	Lt. Oberflächenoptionen, über Ni <i>Acc. to options (see below), over Ni</i>
Aderquerschnitt <i>Applicable wire Gauge</i>	AWG 32 ~ 28 <i>AWG 32 ~ 28</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ <i>< 20 mΩ</i>
Isolationswiderstand <i>Insulation Resistance</i>	> 100 MΩ <i>> 100 MΩ</i>
Spannungsfestigkeit <i>Test Voltage</i>	500 V AC <i>500 V AC</i>
Nennspannung <i>Voltage Rating</i>	50 V AC/DC <i>50 V AC/DC</i>
Nennstrom <i>Current Rating</i>	1 A AC/DC <i>1 A AC/DC</i>
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +85 °C <i>-25 °C ... +85 °C</i>
Verarbeitung <i>Processing</i>	260 °C für 10s max. <i>260 °C for 10s max.</i>



Series	Contacts*	Type
5115	05 02-20	1 1 Buchsengehäuse Housing for female contacts



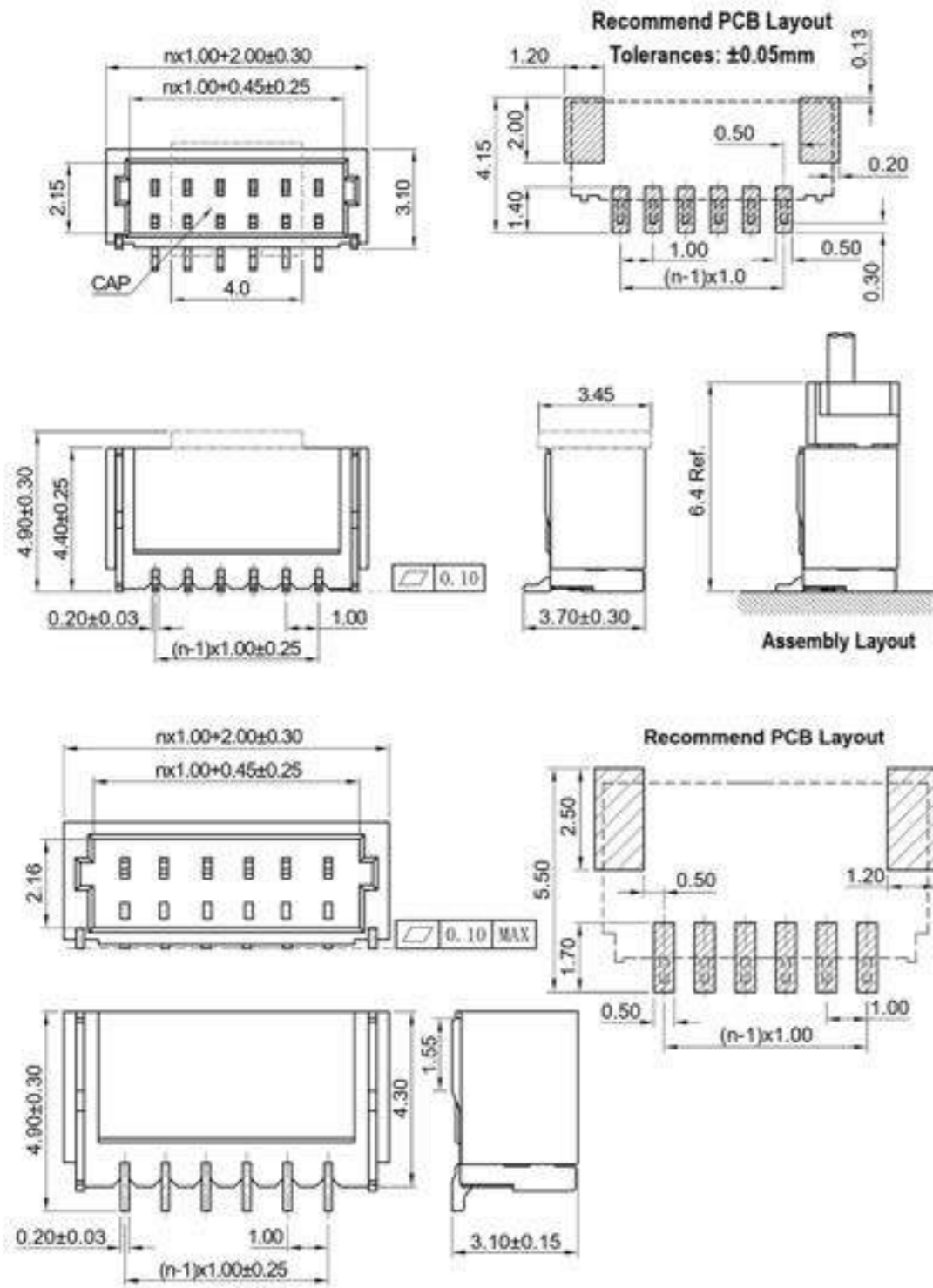
Series	Contacts*	Type	Protrusions
5115	12 02-20	1 1 Buchsengehäuse Housing for female contacts	0 0 Ohne Überstände W/o protrusions



Series	Contacts	Type	Plating
5115	01	2 2 Buchsenkontakt Female crimp terminal	50 50 Sn

5115

SMT Crimp-Rast-Stift-/Buchsenleisten RM 1,00mm, stehend/liegend
 SMT Friction Lock Headers / Crimp Housings 1.00mm Pitch, Vertical/ Horizontal



Series **5115** — Contacts* **06** — Type* **3** — Plating **50** — Packaging* **TR**
 02-20
 3 Stifteiste stehend
 Pin header vertical
 4 Stifteiste liegend
 Pin header horizontal
 50 Sn
 ST
 TR
 PPTR

Lieferformen / Packaging Options:
 ST In Stangen / In tubes
 TR Tape & Reel / Tape & Reel
 PPTR Tape & Reel mit PP-Pad (nur Type 3) / Tape & Reel with PP-Pad (Type 3 only)

* Dies ist ein Bestellbeispiel -
 bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example -
 please replace by your specifications.

Design- und technische Änderungen auch ohne vorherige Ankündigung vorbehalten.
 Design and/or technical specifications may change without prior notice.

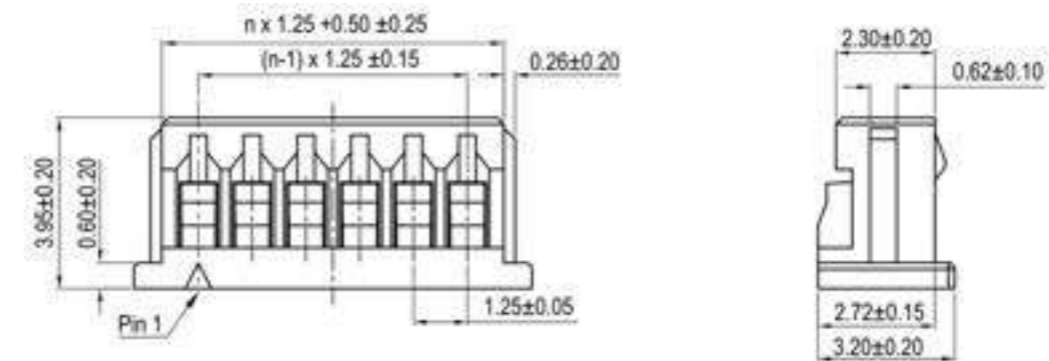
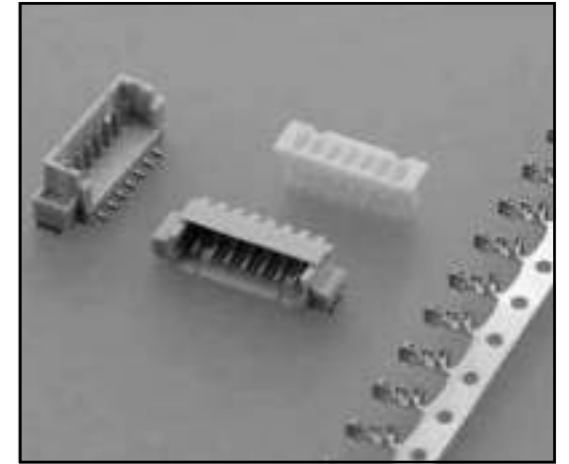
Aktuelle PDF-Datenblätter:
 Latest PDF-Datasheets:

5635

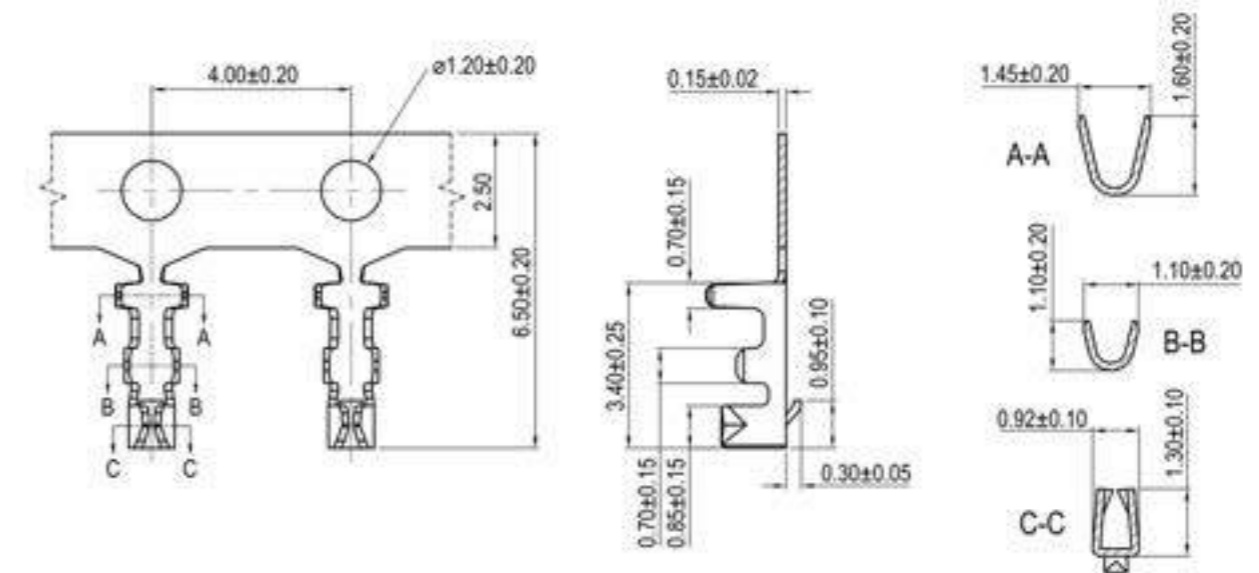
SMT-Crimp-Rast-Stift-/Buchsenleisten RM 1,25mm, stehend/liegend
 SMT Friction Lock Headers / Crimp Housings, 1.25mm Pitch, Vertical/Horizontal

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 0,75x0,30mm, Kupferlegierung
Contact Material	Square pin 0.75x0.30mm, copper alloy
Aderquerschnitt	AWG 32 ~ 28
Applicable wire Gauge	AWG 32 ~ 28
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 100 MΩ
Insulation Resistance	> 100 MΩ
Spannungsfestigkeit	250 V AC
Test Voltage	250 V AC
Nennspannung	125 V AC
Voltage Rating	125 V AC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-25 °C ... +85 °C
Temperature Range	-25 °C ... +85 °C
Verarbeitung	260 °C für 5s max.
Processing	260 °C for 5s max.



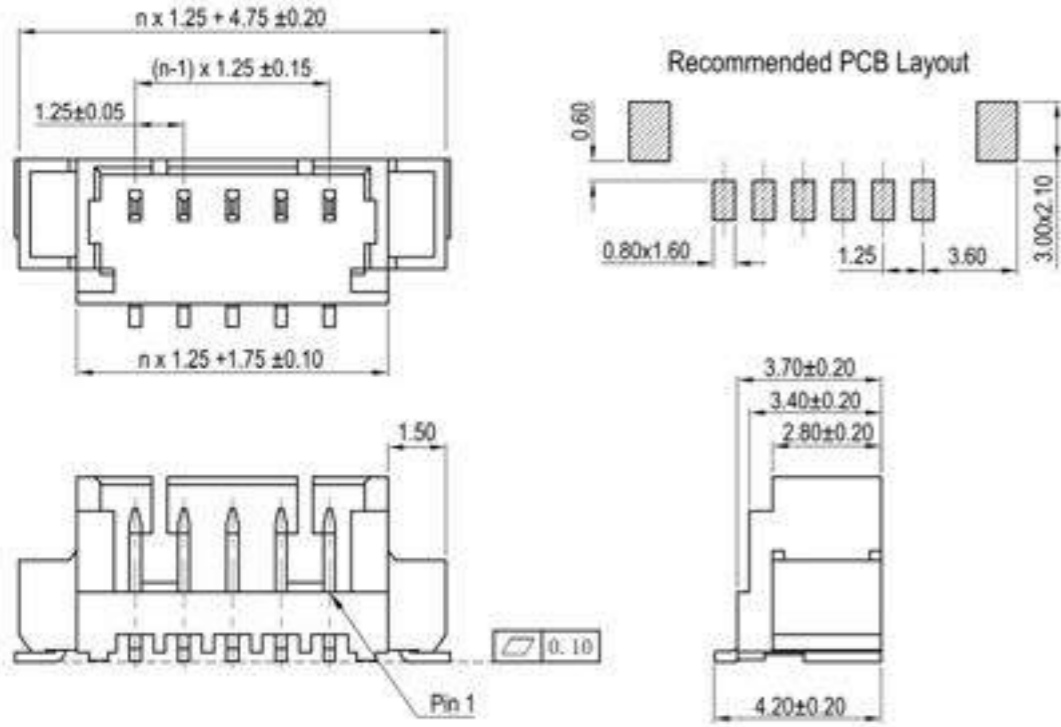
Series **5635** — Contacts* **11** — Type* **1**
 02-15
 1 Buchsengehäuse
 Female Housing



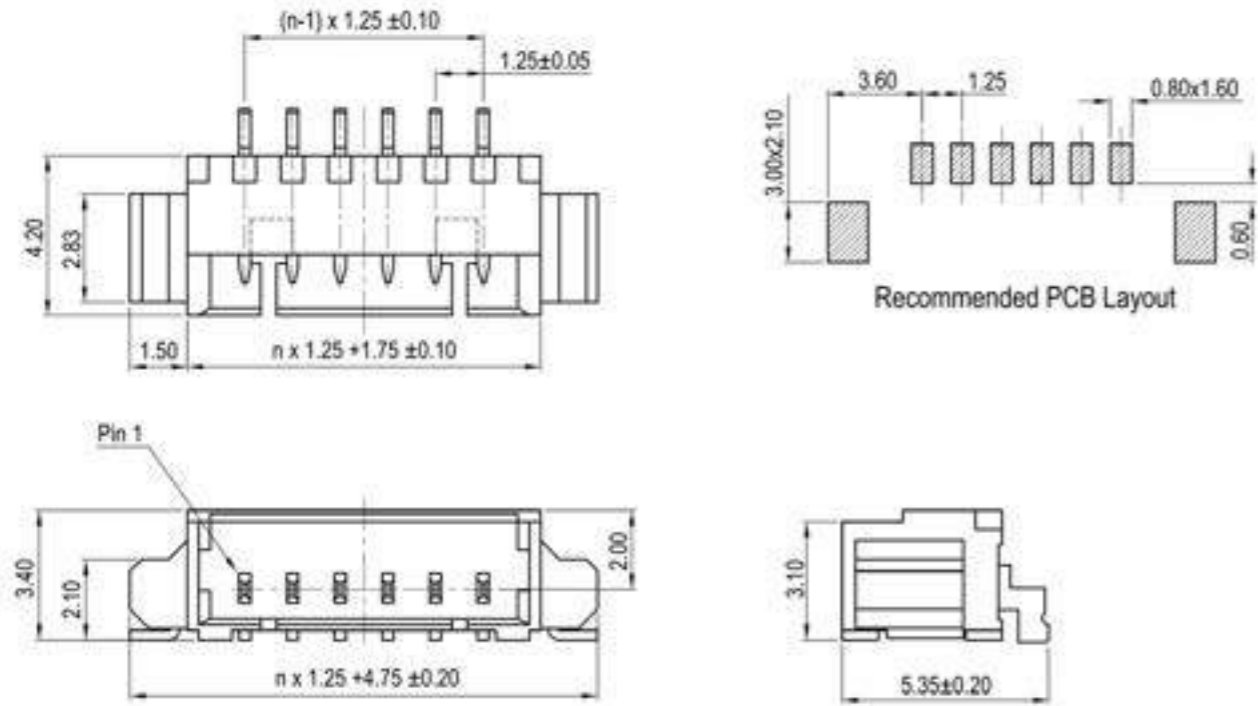
Series **5635** — Contacts **01** — Type **2** — Plating **50**
 2 Buchsenkontakt
 Female terminal
 50 Sn

wpro.com/serie-XXX
 wpro.com/serie-XXX

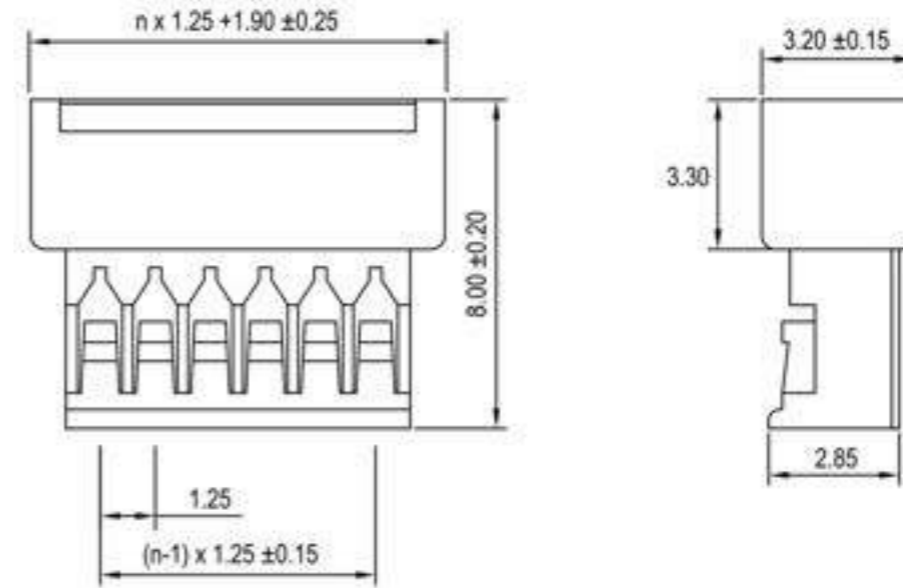
Design- und technische Änderungen auch ohne vorherige Ankündigung vorbehalten.
 Design and/or technical specifications may change without prior notice.



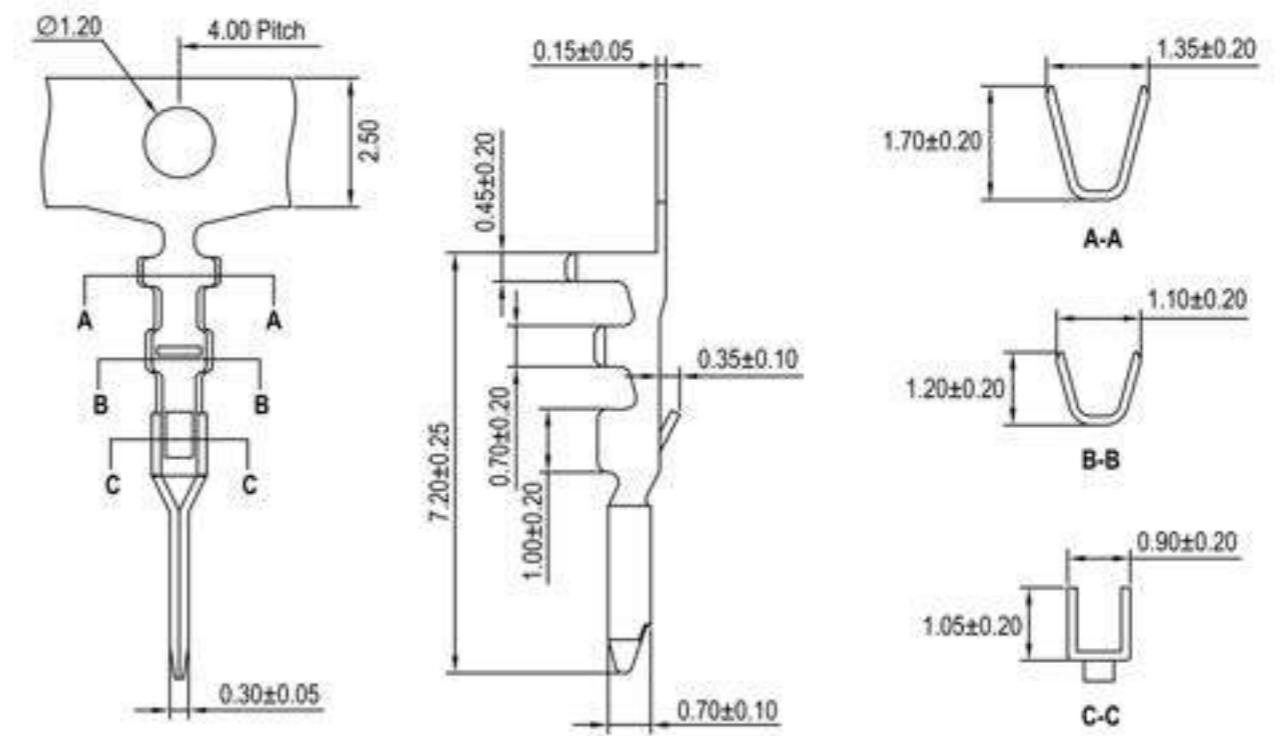
Series **5635** — Contacts* **07** — Type **3** — Plating **50** — Packaging **PPTR**
 02-15 3 Stiftleiste stehend
 Pin header vertical 50 Sn PPTR



Series **5635** — Contacts* **09** — Type **4** — Plating **50** — Packaging **TR**
 02-15 4 Stiftleiste liegend
 Pin header horizontal 50 Sn TR



Series **5635** — Contacts* **05** — Type **5**
 02-15 5 Stiftgehäuse
 Housing for male terminals



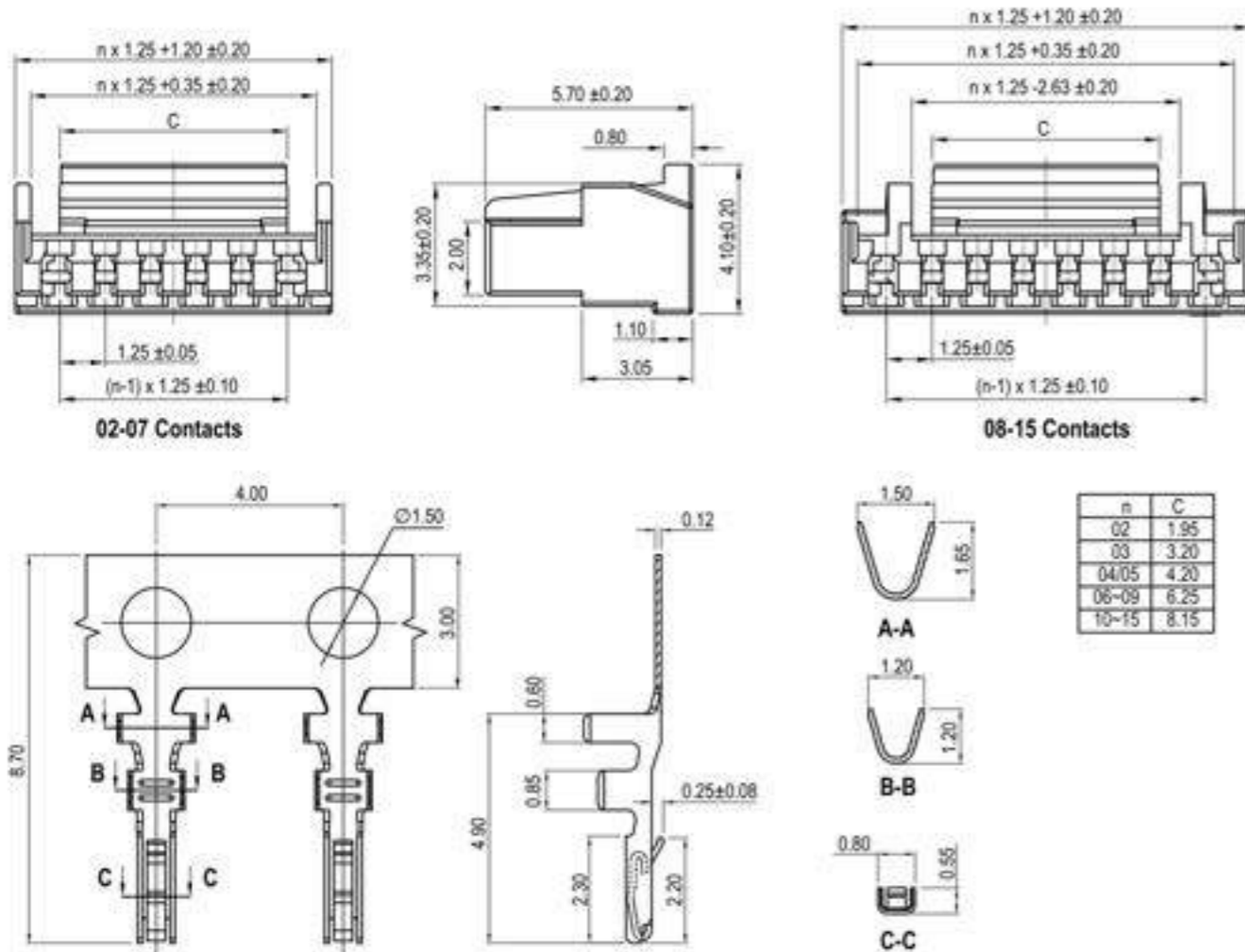
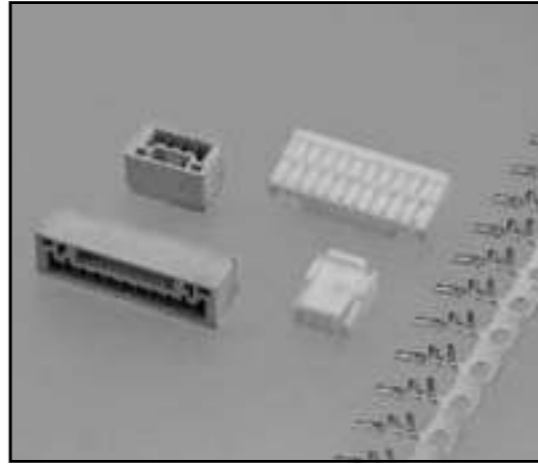
Series **5635** — Contacts **01** — Type **6** — Plating **50**
 6 Stiftkontakte
 Male terminals 50 Sn

* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

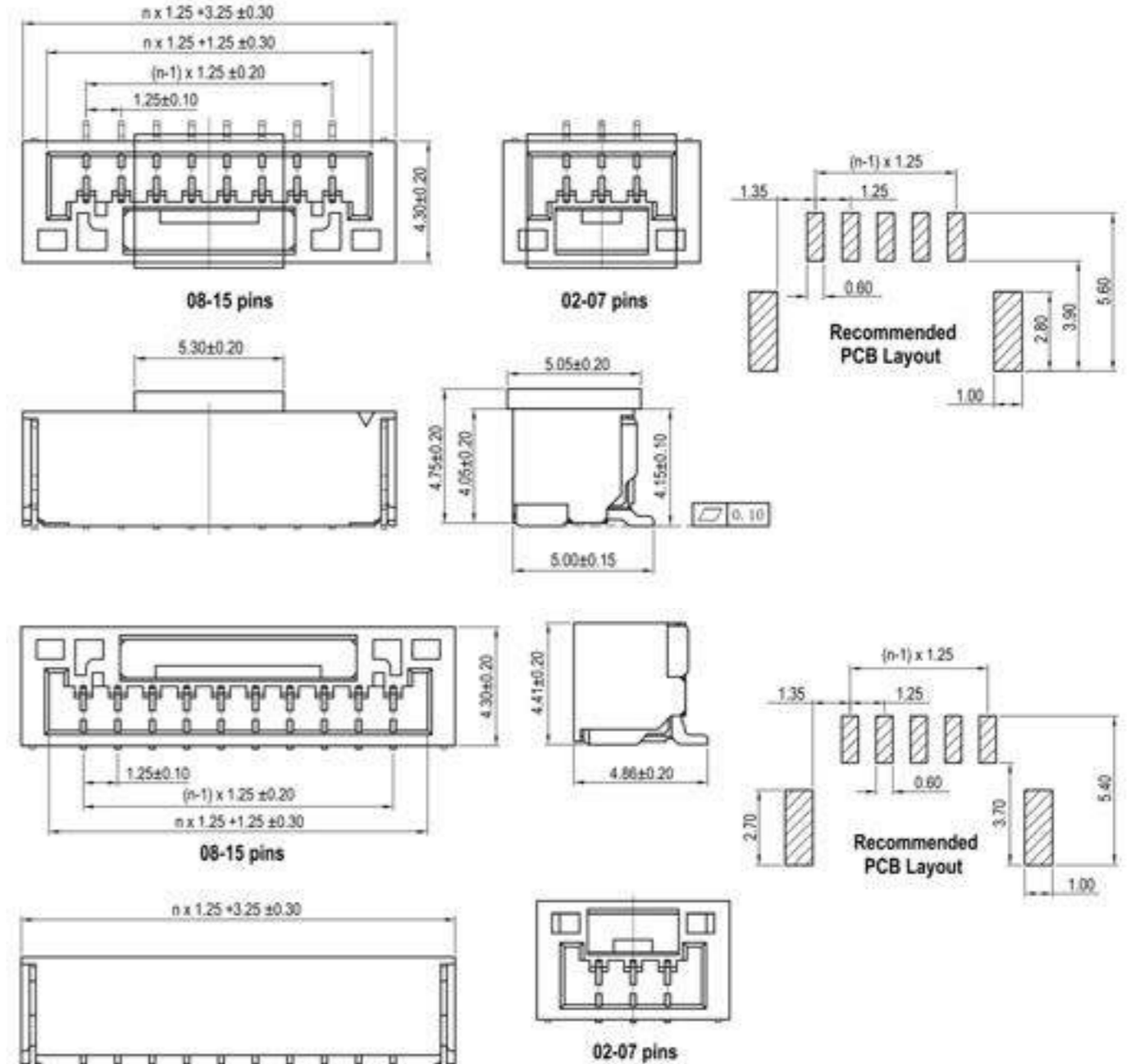
Lieferformen / Packaging Options:
 PPTR Tape&Reel mit Pick&Place-Pad / Tape&Reel with Pick&Place-Pad
 TR Tape&Reel ohne Pick&Place-Pad / Tape&Reel w/o Pick&Place-Pad

Technische Daten / Technical Data

Isolierkörper Insulator	Thermoplast, nach UL94 V-0 Thermoplastic, rated UL94 V-0
Farbe Colour	Gehäuse: Weiß, Wannen: Beige Housings: White, box headers: Beige
Kontaktmaterial Contact Material	Kupferlegierung Copper alloy
Aderquerschnitt Applicable wire Gauge	AWG 30 ~ 26 AWG 30 ~ 26
Durchgangswiderstand Contact Resistance	< 30 mΩ < 30 mΩ
Isolationswiderstand Insulation Resistance	> 100 MΩ > 100 MΩ
Spannungsfestigkeit Test Voltage	500 V AC 500 V AC
Nennspannung Voltage Rating	50 V AC/DC 50 V AC/DC
Nennstrom Current Rating	1 A 1 A
Temperaturbereich Temperature Range	-25 °C ... +85 °C -25 °C ... +85 °C
Verarbeitung Processing	260 °C für 10s max. 260 °C for 10s max.



Series 5650	Contacts* 01 02-15 Für Buchsengehäuse Housing for female terminals 01 Für Buchsenkontakte For crimp terminals	Type* 2 1 Gehäuse für Buchsenkontakte Housing for female terminals 2 Buchsenkontakte Female crimp terminals	Plating* 50 50 Sn (bei Gehäusen nicht erforderlich) Sn (for housings not needed)
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Series 5650	Contacts* 05 02-15	Type* 3 3 Stiftleiste stehend Pin header vertical 4 Stiftleiste liegend Pin header horizontal	Plating* 50 50 Sn	Packaging* PPTR PPTR TR
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* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

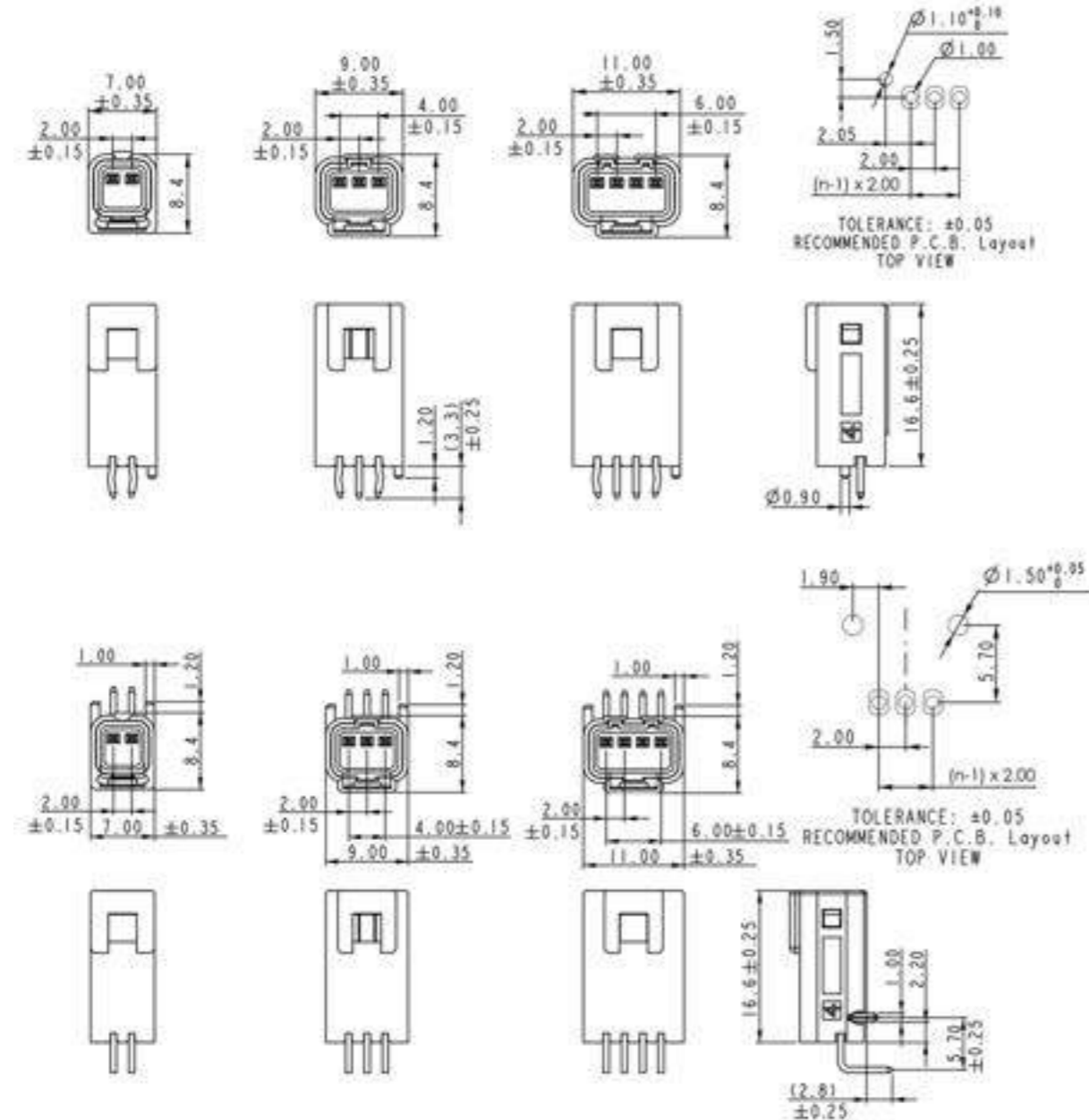
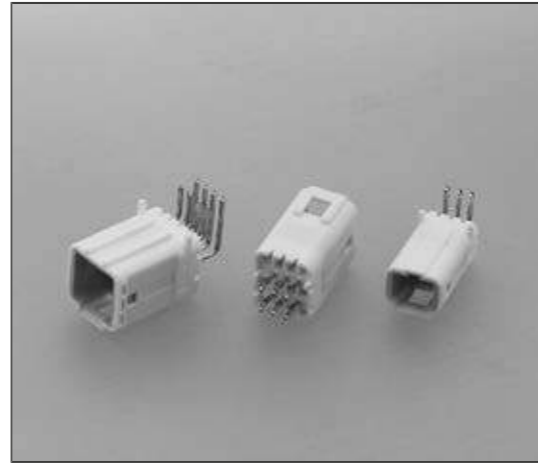
Lieferformen / Packaging Options:
PPTR Type 3: Tape & Reel mit Pick & Place-Pad / Tape & Reel with Pick & Place-Pad
TR Type 4: Tape & Reel ohne Pick & Place-Pad / Tape & Reel w/o Pick & Place-Pad

W521

Wire-To-Board Steckverbinder RM 2mm - Waterproof IP67
Wire-To-Board Connectors 2mm Pitch - Waterproof IP67

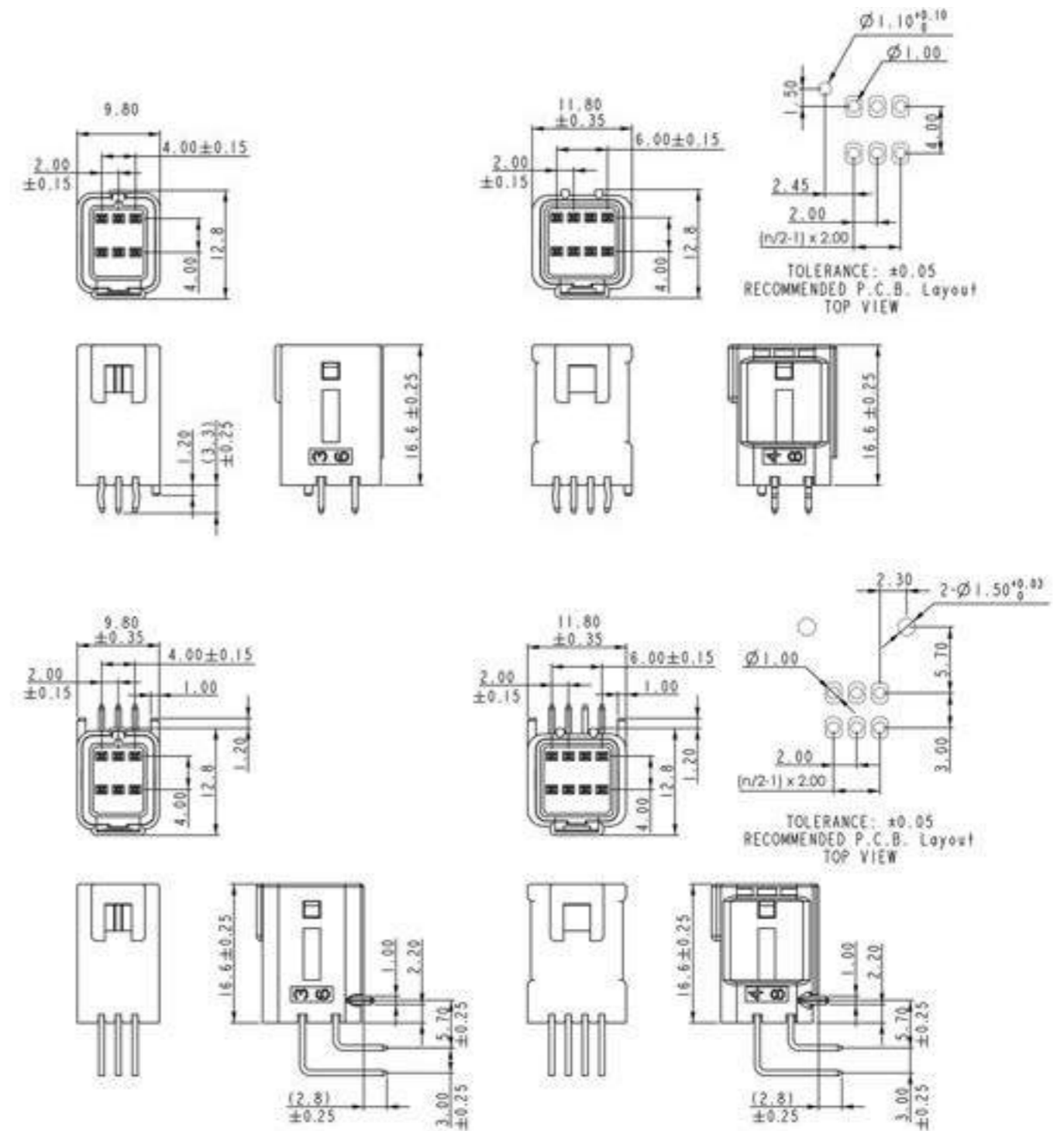
Technische Daten / Technical Data

Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung, 0,64mm Vierkantstift <i>Copper alloy, 0.64mm square pin</i>
Kontaktoberfläche <i>Contact Surface</i>	Lt. Oberflächenoptionen, über Ni <i>Acc. to options, over Ni</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ
Spannungsfestigkeit <i>Test Voltage</i>	1000 V AC 1000 V AC
Nennspannung <i>Voltage Rating</i>	100 V AC/DC 100 V AC/DC
Nennstrom <i>Current Rating</i>	4 A
Temperaturbereich <i>Temperature Range</i>	-55 °C ... +85 °C -55 °C ... +85 °C
Verarbeitung <i>Processing</i>	Wellenlötverfahren <i>Wave soldering</i>



W521

Wire-To-Board Steckverbinder RM 2mm - Waterproof IP67
Wire-To-Board Connectors 2mm Pitch - Waterproof IP67

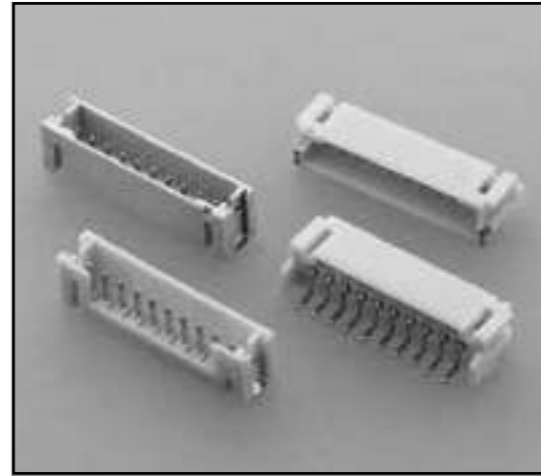


Series	Contacts*	Type	Rows*	Plating
W521	03	3	1	50
	02-04 Einreihig <i>Single row</i> 06/08 Zweireihig <i>Double row</i>	3 Wannestifteleisten gerade <i>Box headers straight</i> 4 Wannestifteleisten gewinkelt <i>Box headers right-angled</i>	1 Einreihig <i>Single row</i> 2 Zweireihig <i>Double row</i>	50 Sn

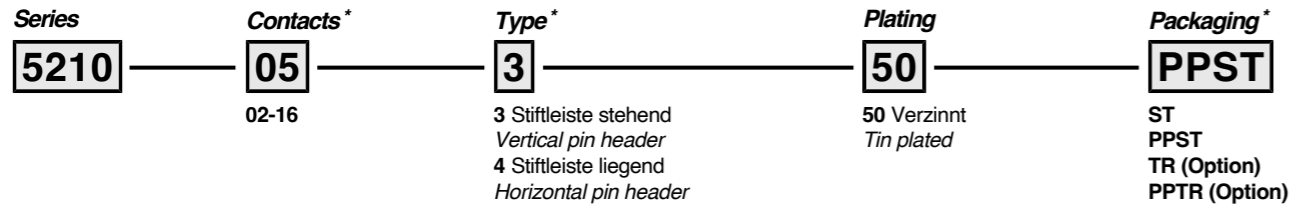
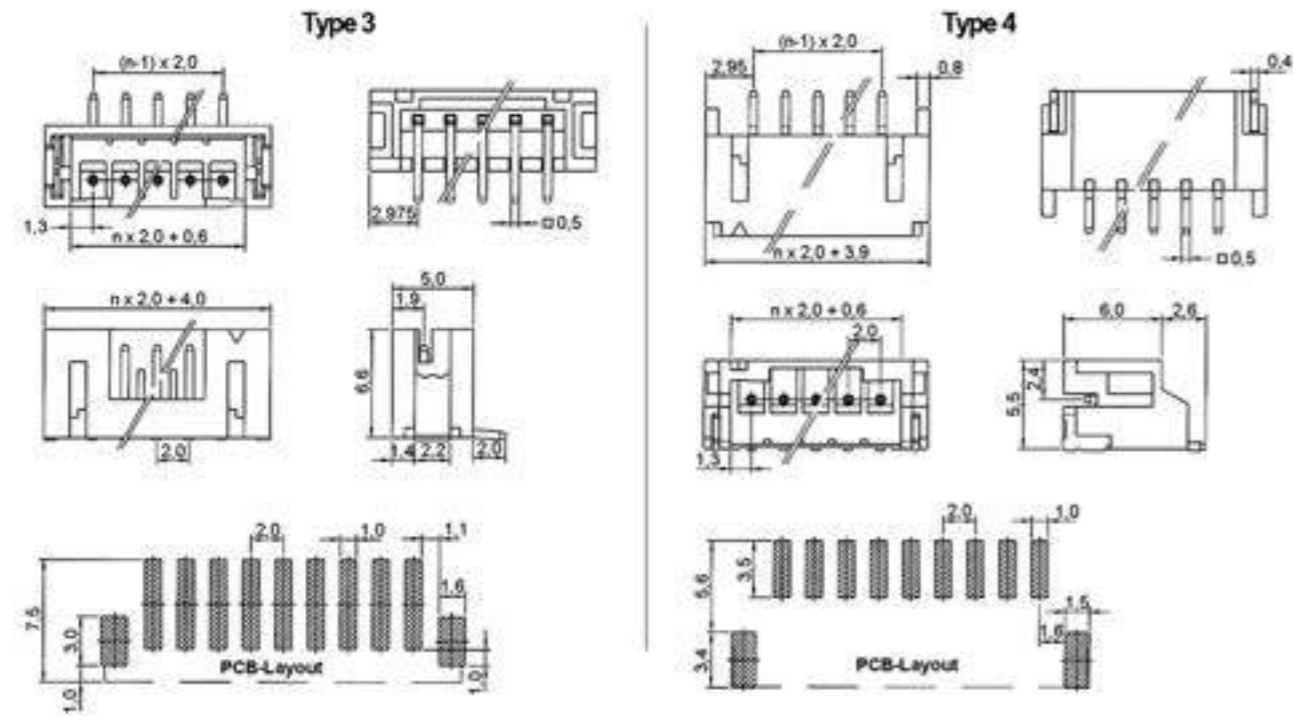
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

Technische Daten / Technical Data

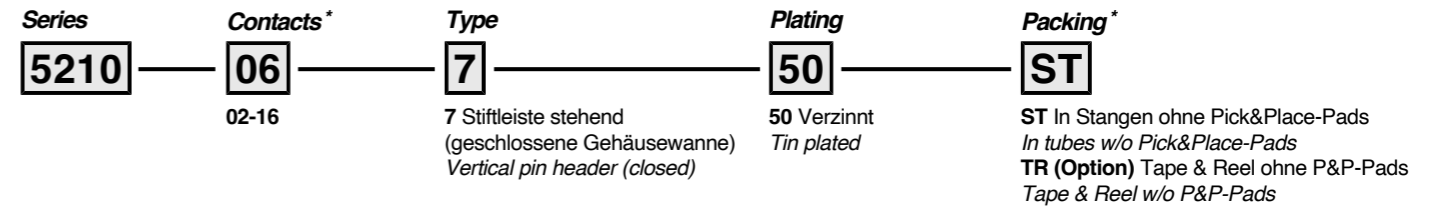
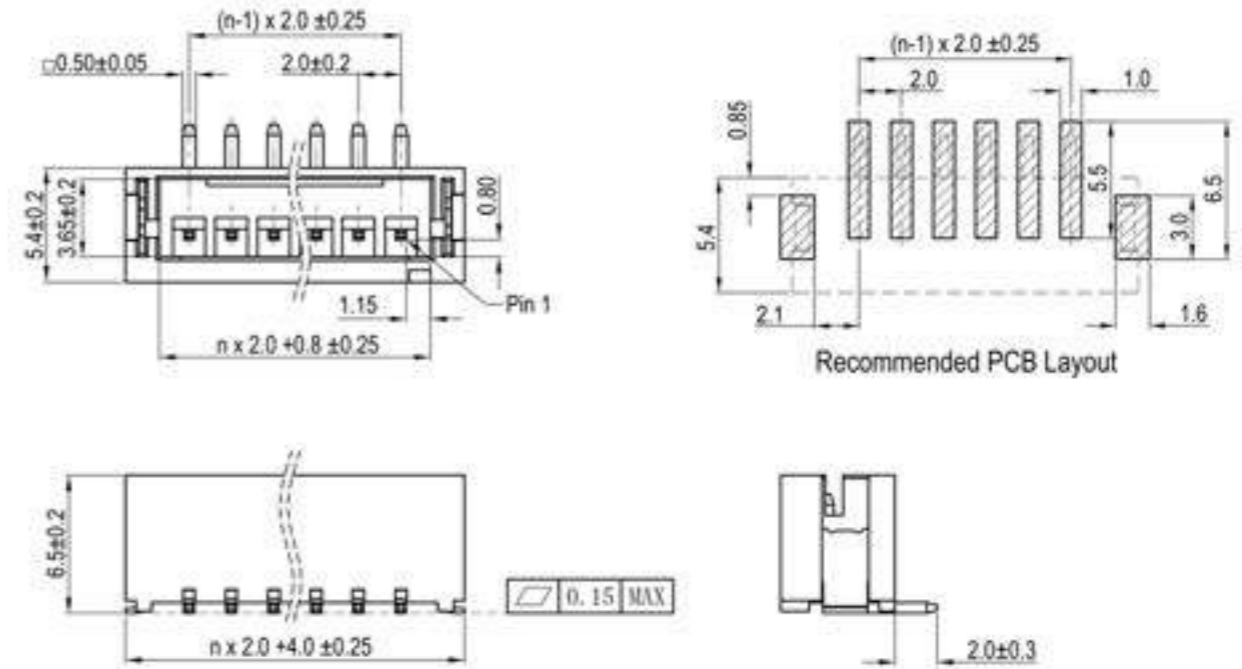
Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Kontaktmaterial <i>Contact Material</i>	Vierkantstift 0,50mm, Kupferlegierung <i>Square pin 0.50mm, copper alloy</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ
Spannungsfestigkeit <i>Test Voltage</i>	800 V AC
Nennspannung <i>Voltage Rating</i>	100 V AC
Nennstrom <i>Current Rating</i>	1 A
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +85 °C
Verarbeitung <i>Processing</i>	Reflow 260 °C für 10 sec. <i>Reflow 260 °C for 10 sec.</i>



Passende Buchsengehäuse:
Compatible Housings:
521



* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

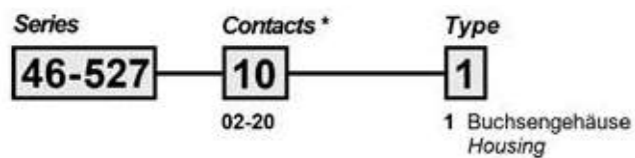
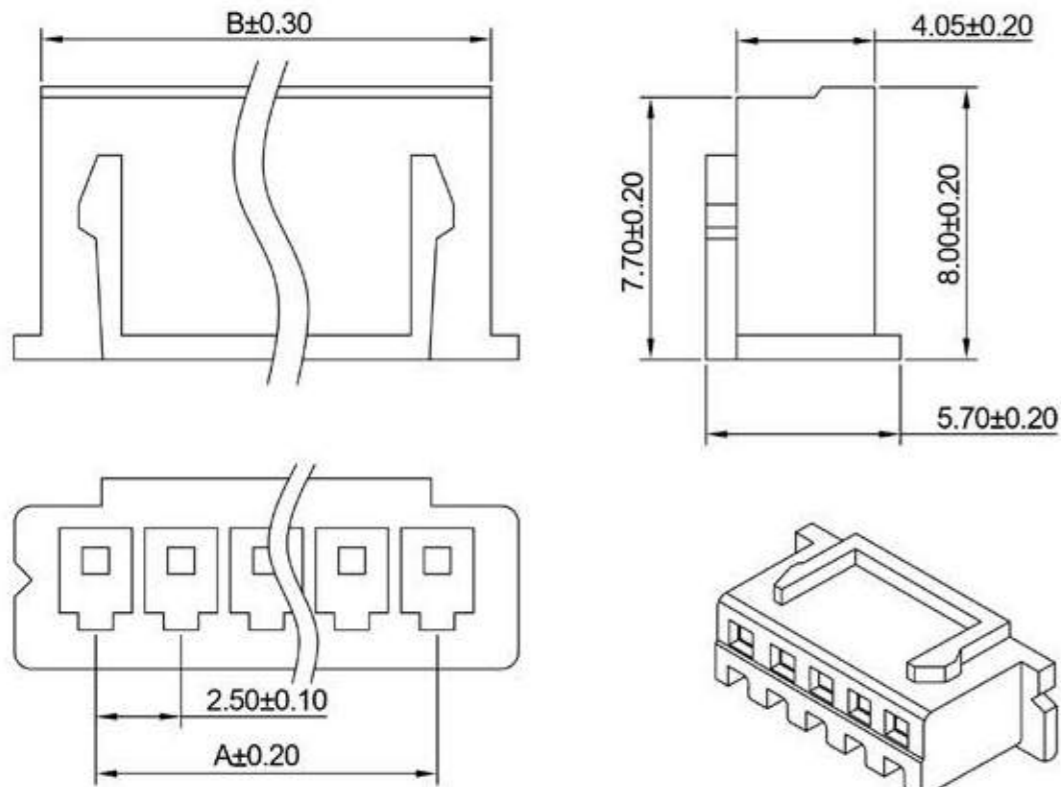
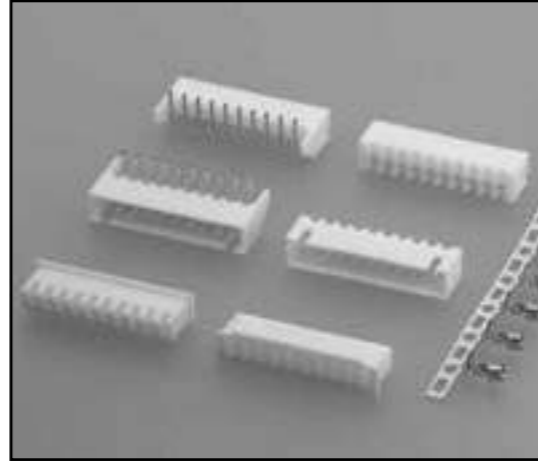


* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

Technische Daten / Technical Data

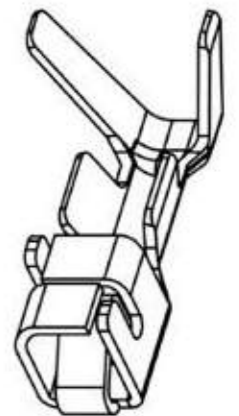
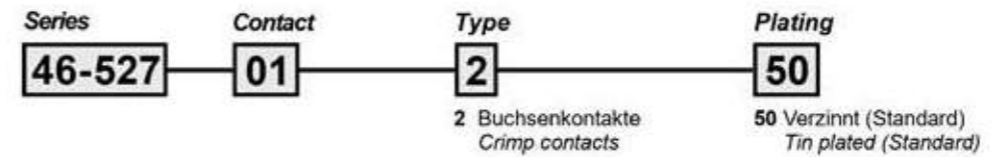
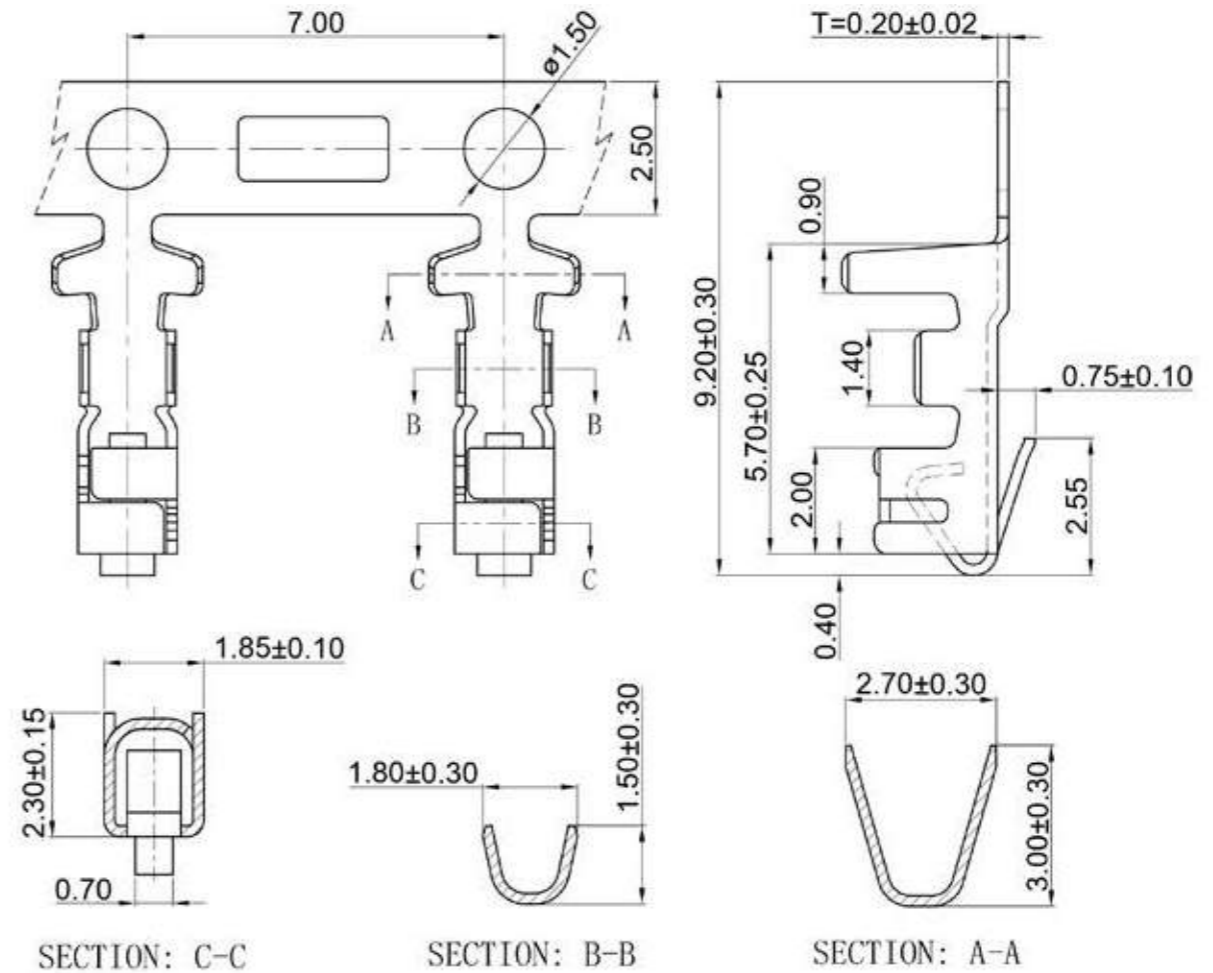
Isolierkörper Thermoplast, nach UL94 V-0
 Isolator Thermoplastic, rated UL94 V-0
 Kontaktmaterial Vierkantstift 0,64mm, Kupferlegierung
 Contact Material 0.64mm square pin, copper alloy
 Aderquerschnitt AWG 28 ~ 22

Durchgangswiderstand < 20 mΩ
 Contact Resistance < 20 mΩ
 Isolationswiderstand > 1000 MΩ
 Insulation Resistance > 1000 MΩ
 Spannungsfestigkeit 1 kV AC
 Test Voltage 1 kV AC
 Nennspannung 250 V AC
 Voltage Rating 250 V AC
 Nennstrom 3 A
 Current Rating 3 A
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Verarbeitung Wellenlötverfahren
 Processing Wave soldering



PART NO.	Dimensions (mm)	
	A	B
02	2.50	5.70
03	5.00	8.20
04	7.50	10.70
05	10.00	13.20
06	12.50	15.70
07	15.00	18.20
08	17.50	20.70
09	20.00	23.20
10	22.50	25.70
11	25.00	28.20
12	27.50	30.70
13	30.00	33.20
14	32.50	35.70
15	35.00	38.20
16	37.50	40.75
17	40.00	43.20
18	42.50	45.70
19	45.00	48.20
20	47.50	50.70

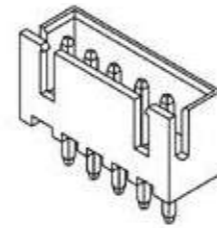
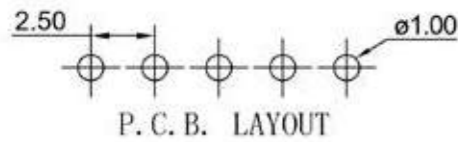
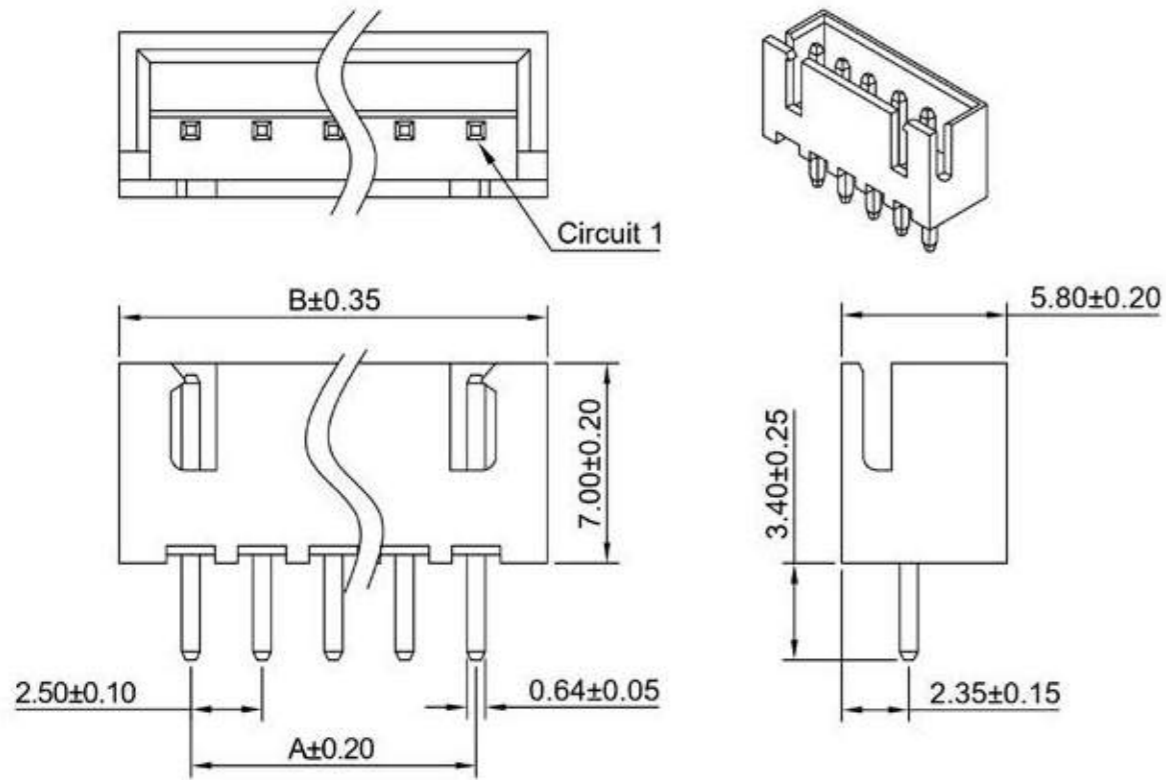
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.



* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

46-527

Crimp-Rast-Stift-/Buchsenleisten RM 2,50mm, gerade/gewinkelt
Friction Lock Headers / Crimp-Housings, 2.50mm Pitch, Straight/Right-Angled



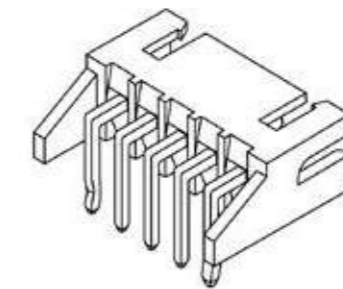
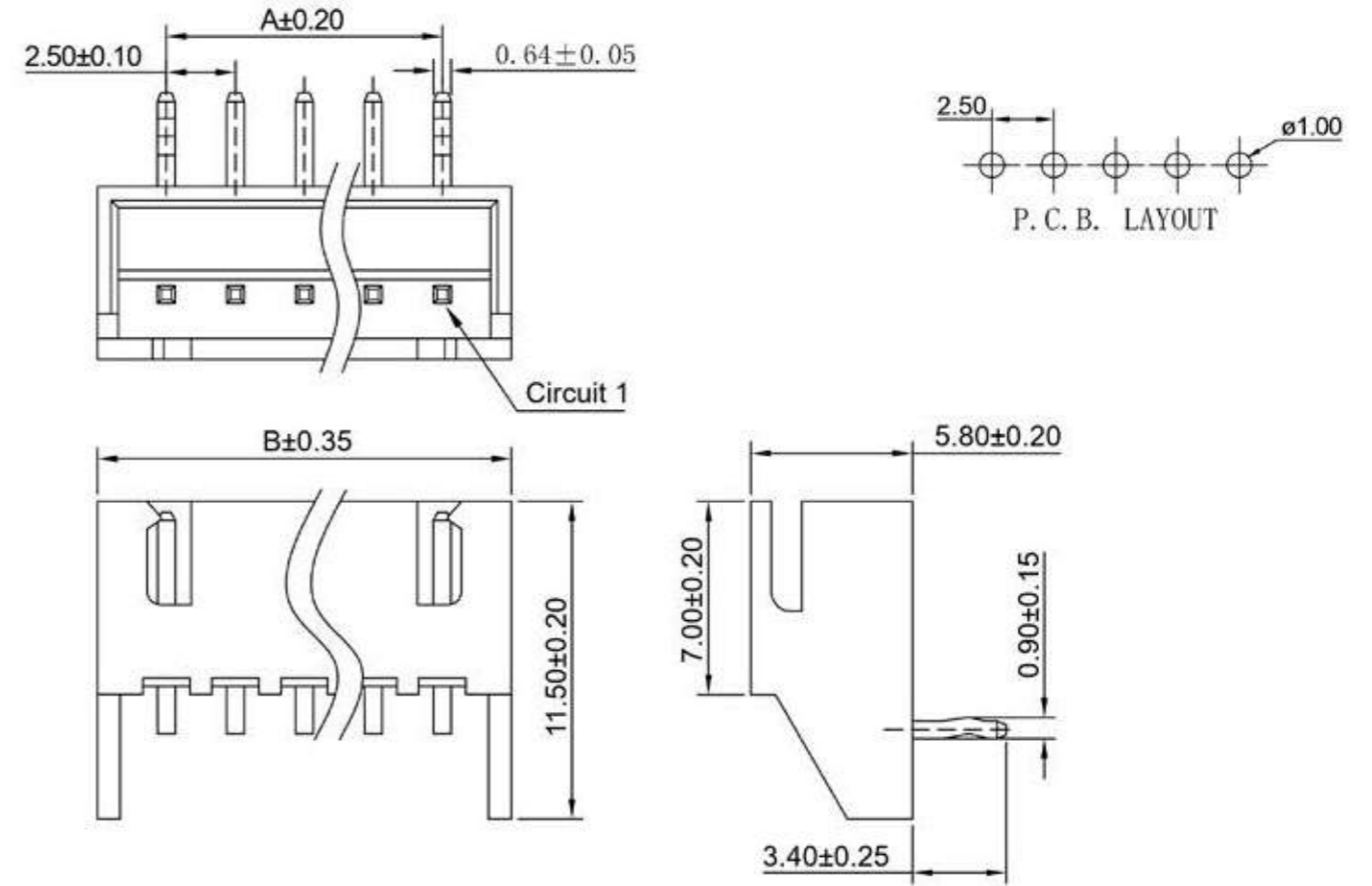
Series **46-527** Contacts* **15** Type **3** Plating **50**
02-20 3 Stiflleiste gerade
Straight pin header 50 Verzinkt
Tin plated

Part No	Dimension (mm)	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

46-527

Crimp-Rast-Stift-/Buchsenleisten RM 2,50mm, gerade/gewinkelt
Friction Lock Headers / Crimp-Housings, 2.50mm Pitch, Straight/Right-Angled



Series **46-527** Contacts* **12** Type **4** Plating **50**
02-20 4 Stiflleiste gewinkelt
Right-angled pin header 50 Verzinkt (Standard)
Tin plated (Standard)

Part No	Dimension (mm)	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

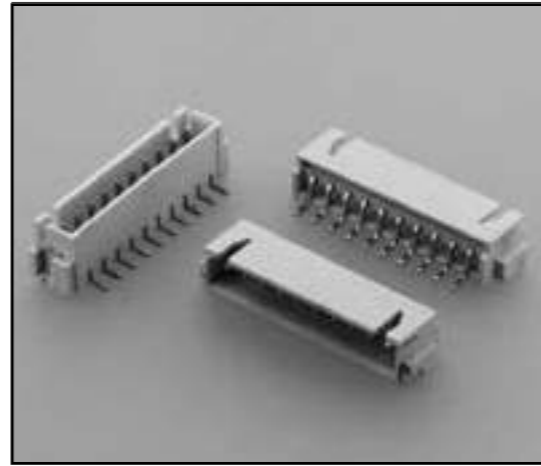
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

5272

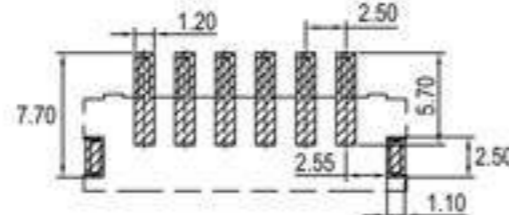
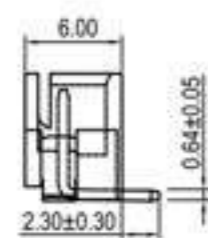
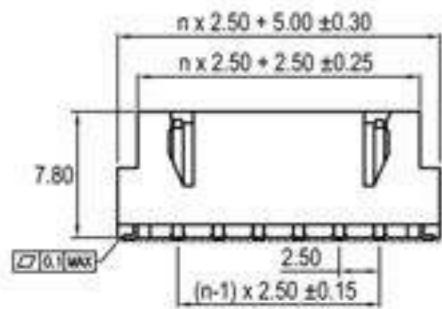
SMT Crimp-Rast-Stiftleisten, RM 2,5mm, stehend/liegend SMT Friction Lock Headers, 2.5mm Pitch, Vertical/Horizontal

Technische Daten / Technical Data

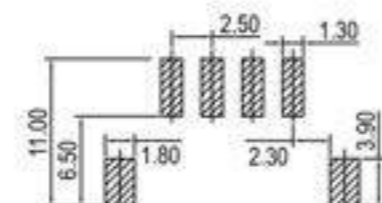
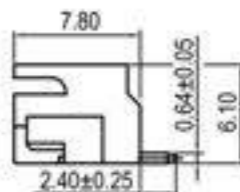
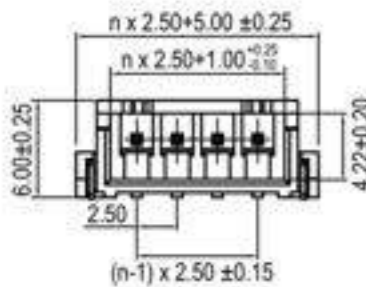
Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktfläche <i>Contact Surface</i>	Zinn über Nickel <i>Tin over nickel</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ
Spannungsfestigkeit <i>Test Voltage</i>	1000 V AC 1000 V DC
Nennspannung <i>Voltage Rating</i>	250 V AC/DC
Nennstrom <i>Current Rating</i>	3 A AC/DC
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +85 °C
Verarbeitung <i>Processing</i>	260 °C für 10s 260 °C for 10s



Compatible with 527



Recommended PCB Layout



Recommended PCB Layout

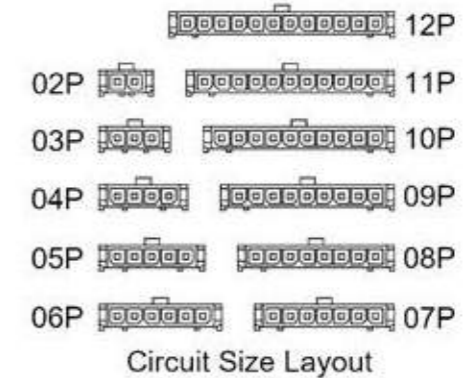
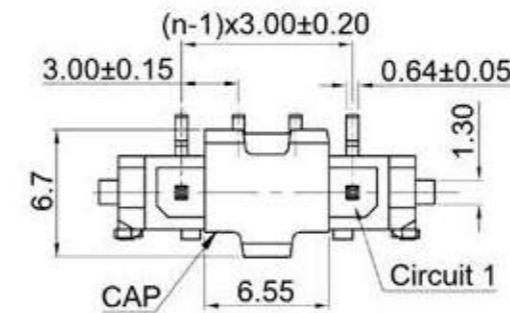
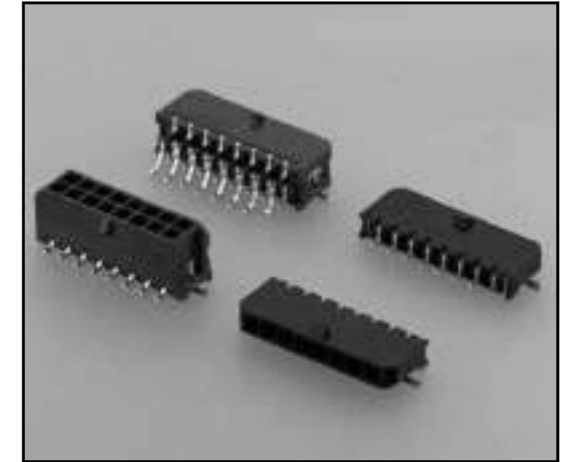
Series	Contacts*	Type*	Plating
5272	08 02-16	3 3 Stiftleiste stehend 4 Stiftleiste liegend	50 50 Sn

46-5830

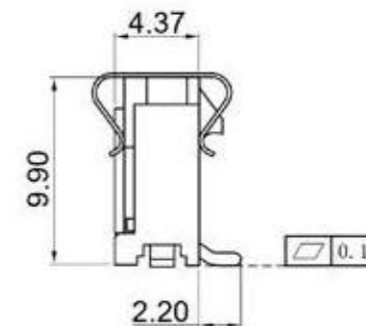
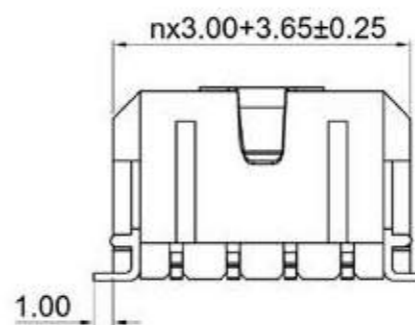
SMT-Crimp-Rast-Stiftleisten RM 3,00mm, stehend/liegend, 1-/2-reihig SMT Friction Lock Headers, 3.00mm Pitch, Vertical/Horizontal, Single/Double Row

Technische Daten / Technical Data

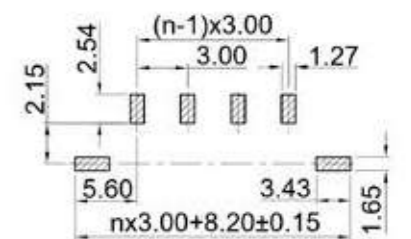
Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Kontaktmaterial <i>Contact Material</i>	Vierkantstift 0,64mm, Kupferlegierung <i>0.64mm square pin, copper alloy</i>
Kontaktfläche <i>Contact Surface</i>	Lt. Oberflächenoptionen, über Ni (1,3 ... 2,5µm) <i>Au over Ni (1,3 ... 2,5µm)</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 10 mΩ
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ
Spannungsfestigkeit <i>Test Voltage</i>	1,5 kV AC
Nennspannung <i>Voltage Rating</i>	250 V AC
Nennstrom <i>Current Rating</i>	5 A
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +85 °C
Verarbeitung <i>Processing</i>	Reflow-Lötverfahren <i>Reflow soldering</i>



Circuit Size Layout



Recommended P.C.B Layout(Top Side)
(PCB BOARD TOLERANCE±0.05)



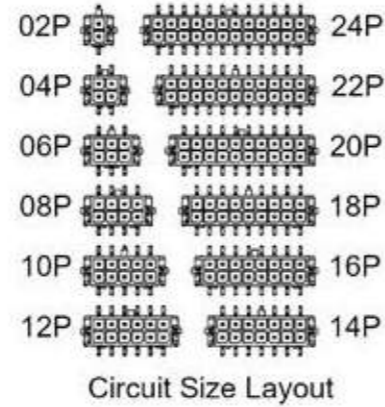
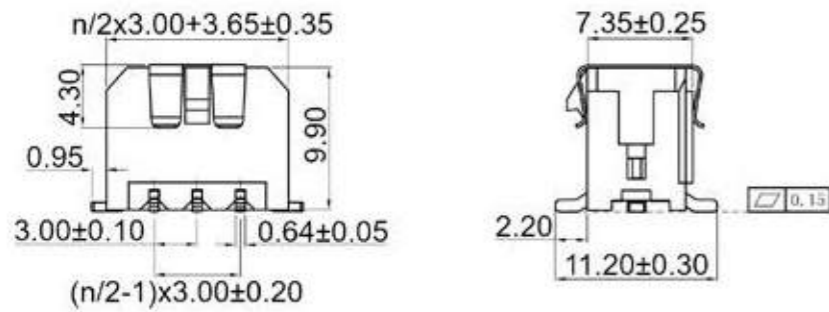
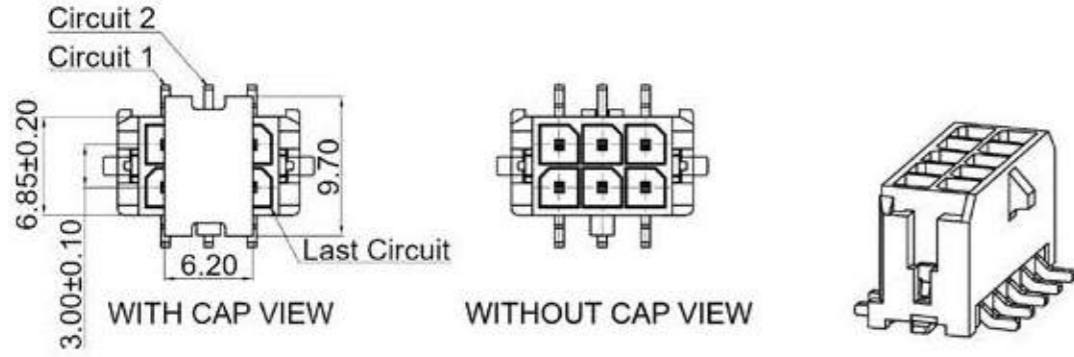
Series	Contacts*	Type	Plating	Packaging*
46-5830	10 02-12 Einreihig Single row	1 1 Einreihig stehend Single row, vertical	50 50 Verzinkt Tin plated	PPTR PPTR Tape & Reel mit P&P-Pads / Tape & Reel with P&P-Pads

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

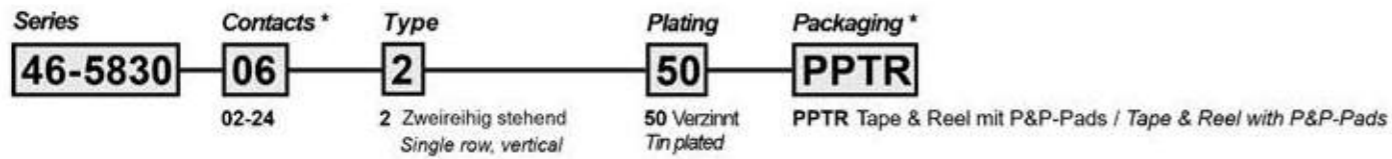
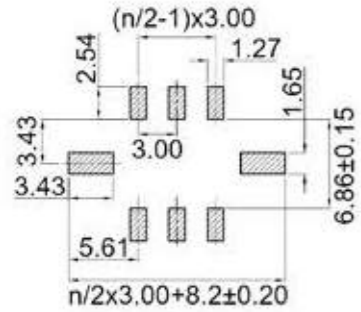
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

46-5830

SMT-Crimp-Rast-Stiftleisten RM 3,00mm, stehend/liegend, 1-/2-reihig
 SMT Friction Lock Headers, 3.00mm Pitch, Vertical/Horizontal, Single/Double Row



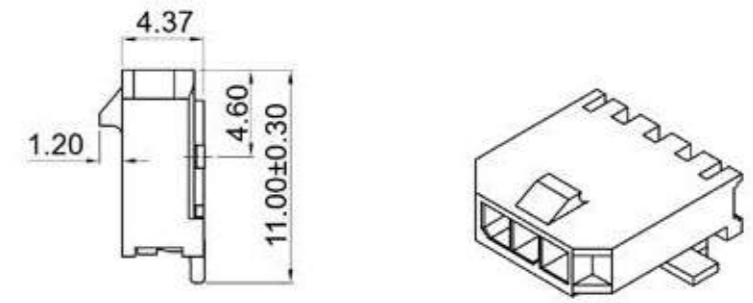
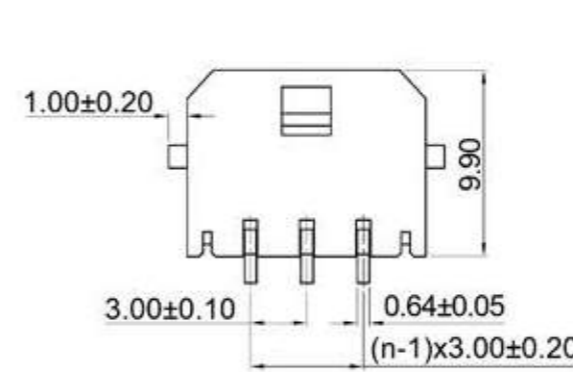
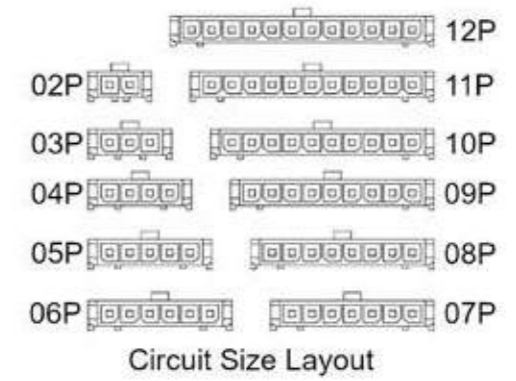
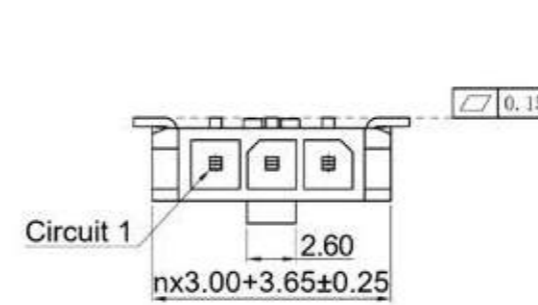
Recommended P.C.B Layout(Top Side)
 (PCB BOARD TOLERANCE±0.05)



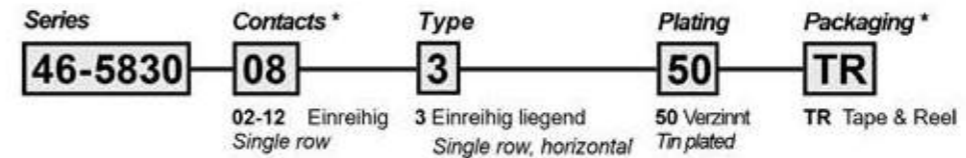
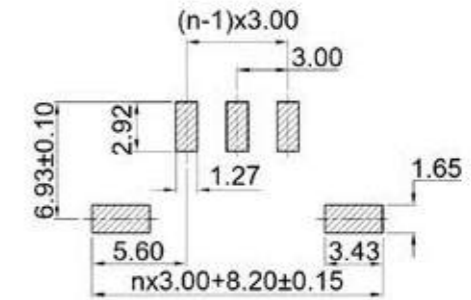
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

46-5830

SMT-Crimp-Rast-Stiftleisten RM 3,00mm, stehend/liegend, 1-/2-reihig
 SMT Friction Lock Headers, 3.00mm Pitch, Vertical/Horizontal, Single/Double Row



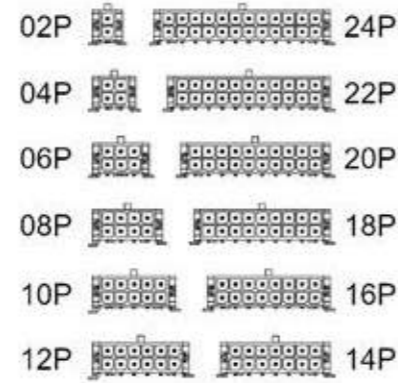
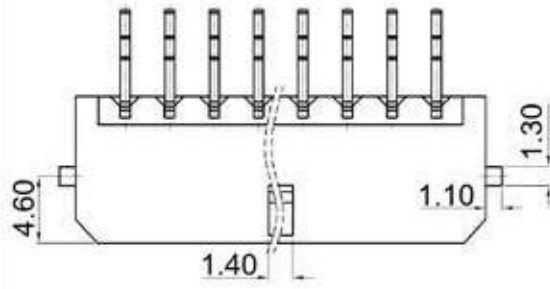
Recommended P.C.B Layout(Top Side)
 (PCB BOARD TOLERANCE±0.05)



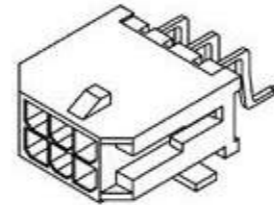
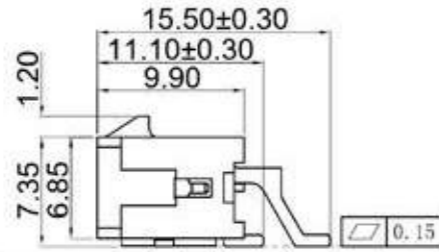
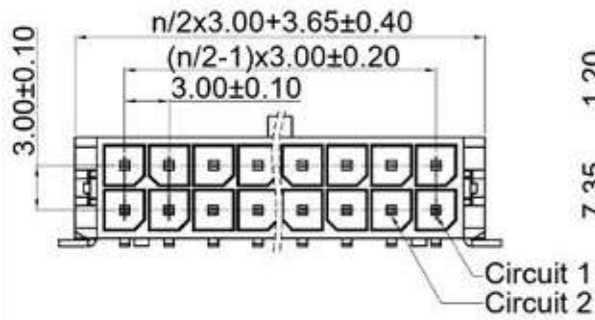
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

46-5830

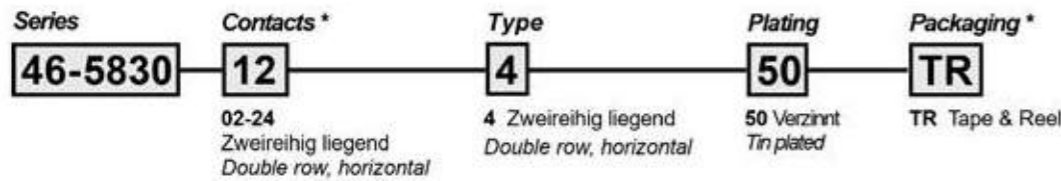
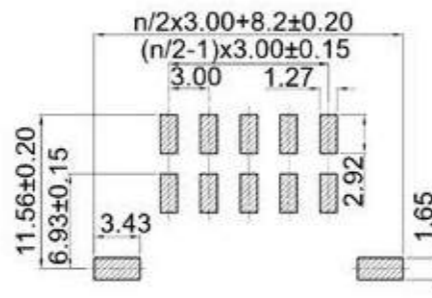
SMT-Crimp-Rast-Stiftleisten RM 3,00mm, stehend/liegend, 1-/2-reihig
 SMT Friction Lock Headers, 3.00mm Pitch, Vertical/Horizontal, Single/Double Row



Circuit Size Layout



Recommended P.C.B Layout (Top Side)
 (PCB BOARD TOLERANCE ± 0.05)



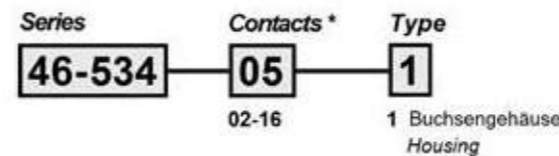
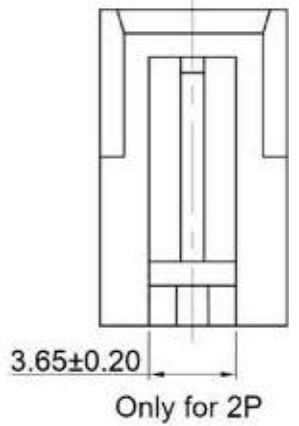
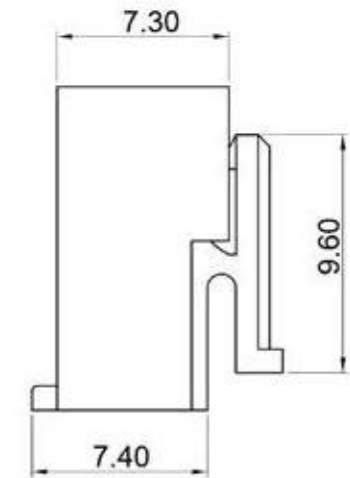
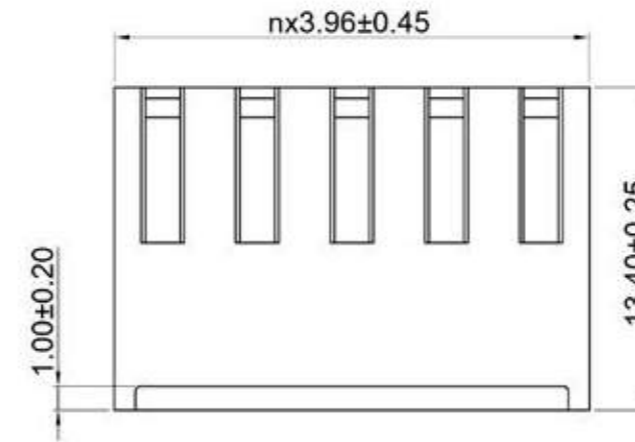
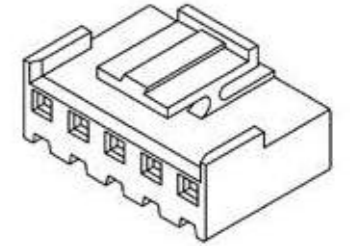
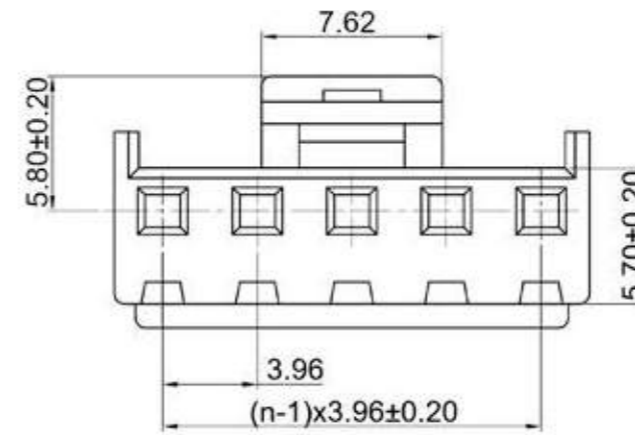
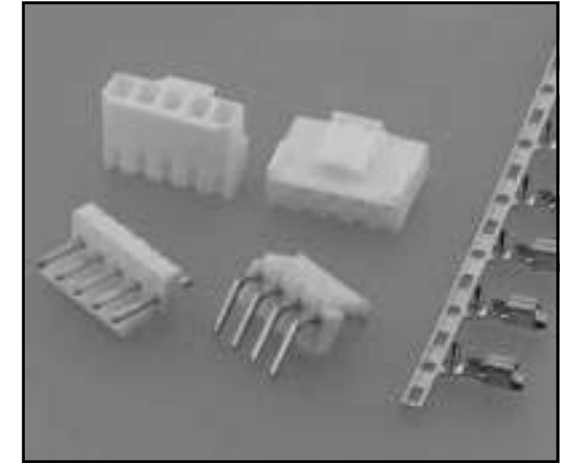
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

46-534

Crimp-Rast-Stift-/Buchsenleisten RM 3,96mm, gerade/gewinkelt
 Friction Lock Headers / Crimp-Housings, 3.96mm Pitch, Straight/Right-Angled

Technische Daten / Technical Data

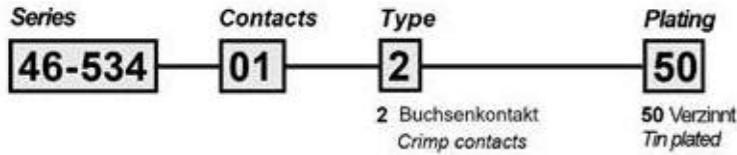
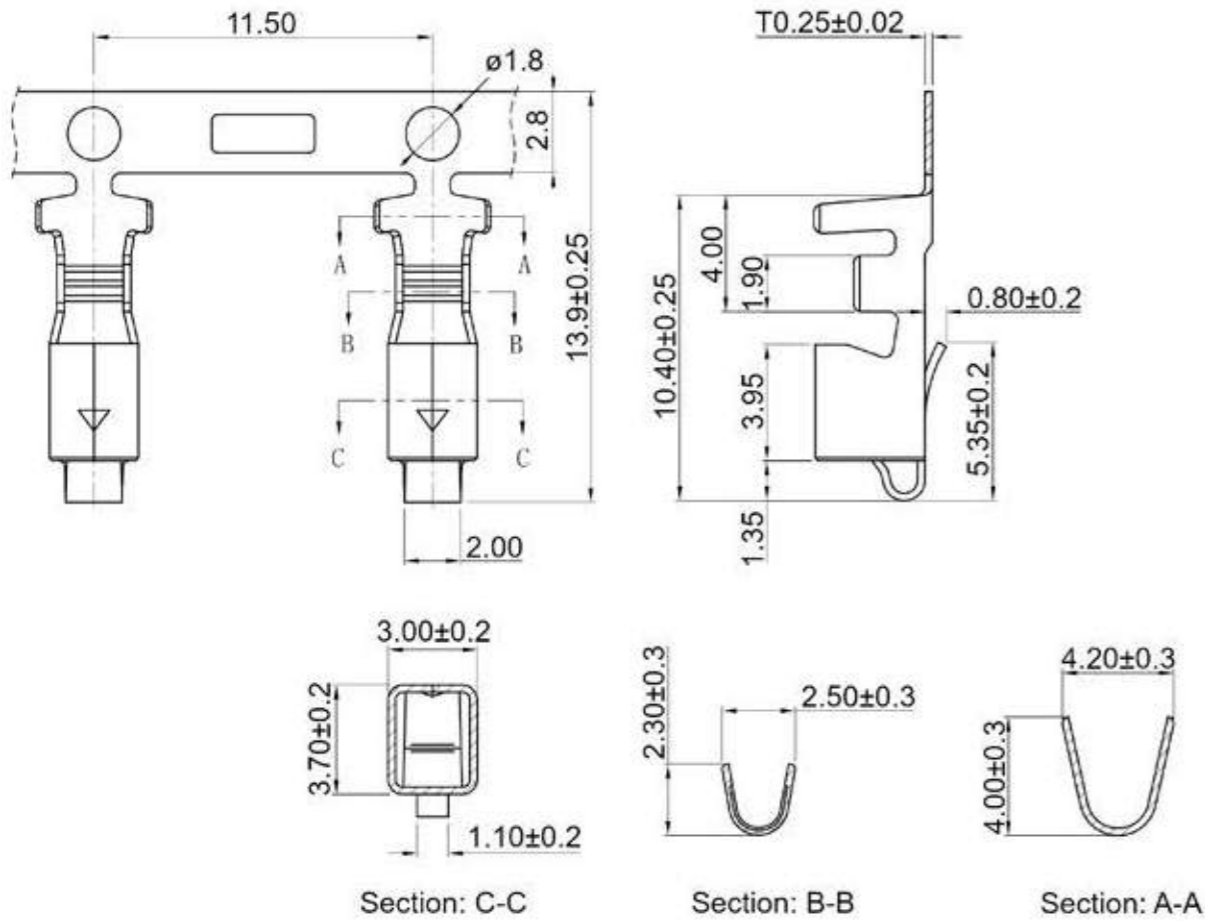
Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Vierkantstift 1,14mm, Kupferlegierung
Contact Material	1.14mm square pin, copper alloy
Aderquerschnitt	AWG 22 ~ 18
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	1000 V AC
Test Voltage	1000 V AC
Nennspannung	250 V AC
Voltage Rating	250 V AC
Nennstrom	7 A
Current Rating	7 A
Temperaturbereich	-25 °C ... +85 °C
Temperature Range	-25 °C ... +85 °C
Verarbeitung	Wellenlötverfahren
Processing	Wave soldering



* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

46-534

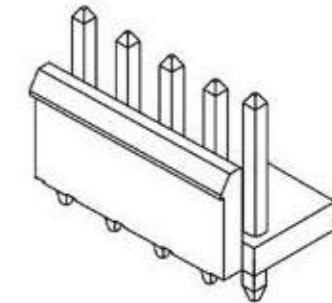
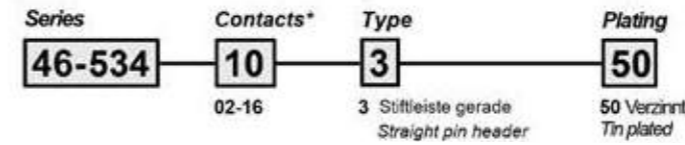
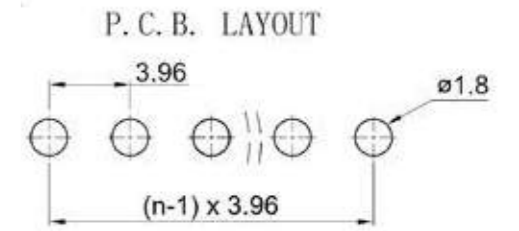
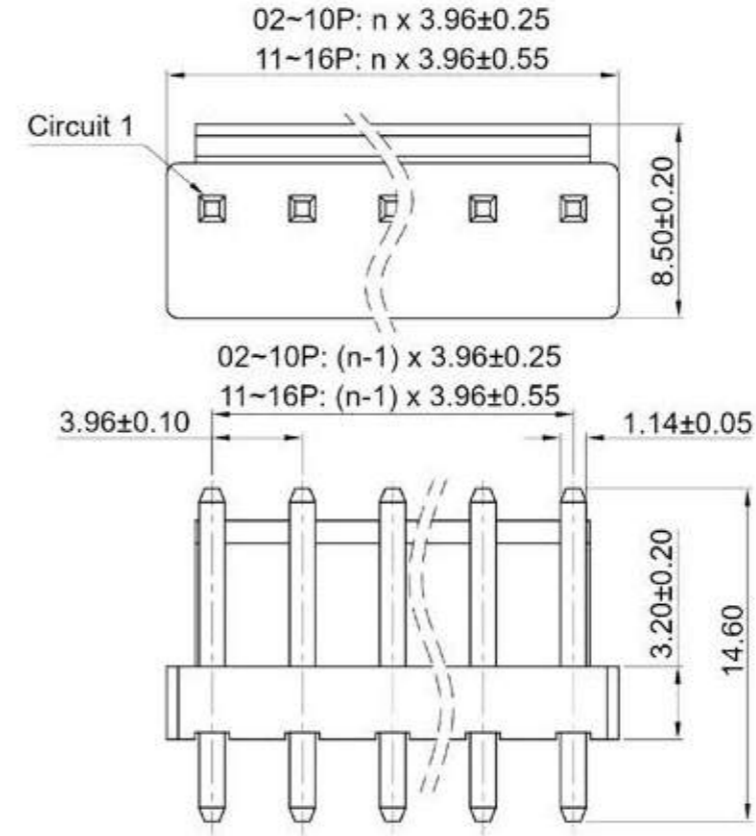
Crimp-Rast-Stift-/Buchsenleisten RM 3,96mm, gerade/gewinkelt
Friction Lock Headers / Crimp-Housings, 3.96mm Pitch, Straight/Right-Angled



* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

46-534

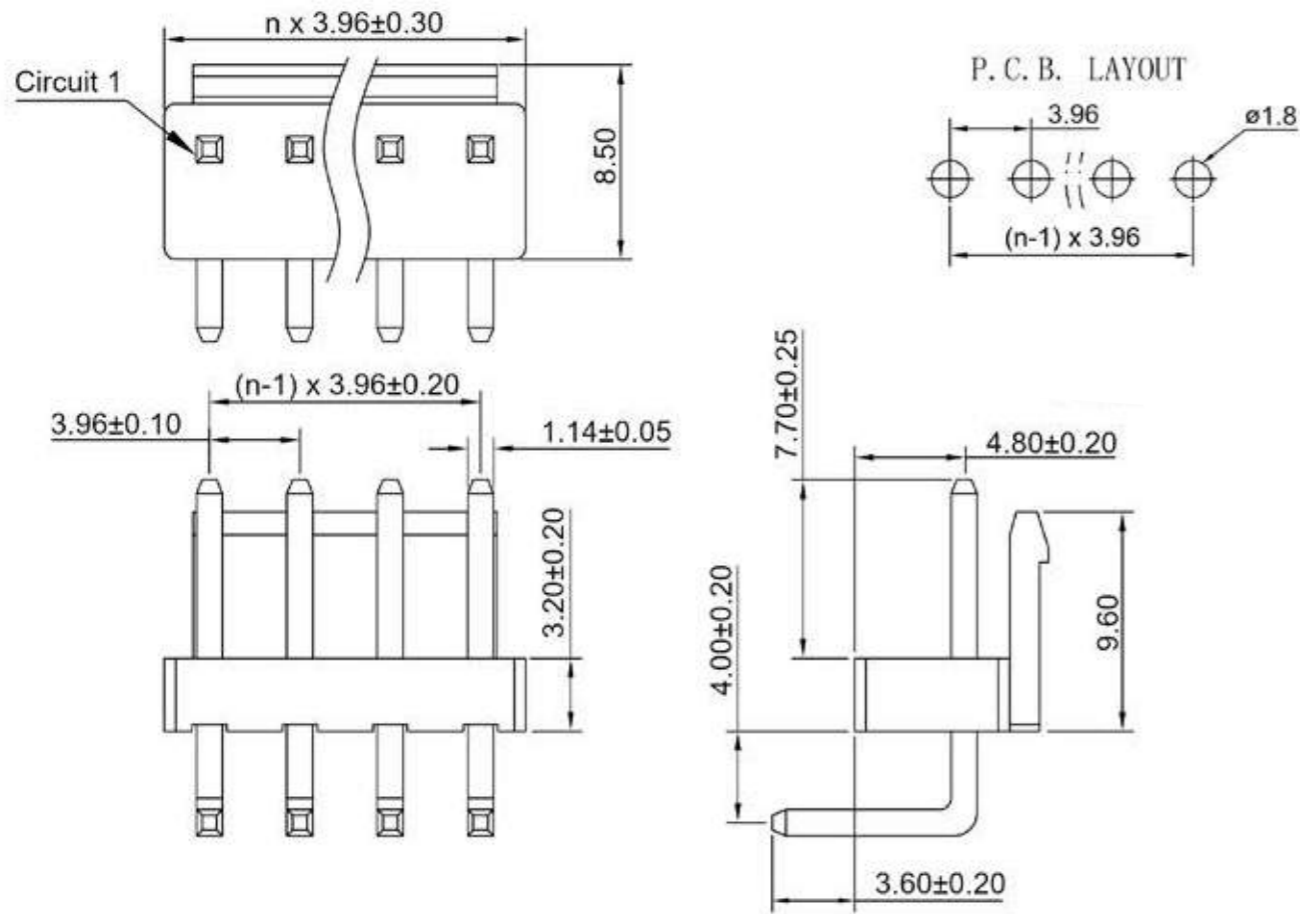
Crimp-Rast-Stift-/Buchsenleisten RM 3,96mm, gerade/gewinkelt
Friction Lock Headers / Crimp-Housings, 3.96mm Pitch, Straight/Right-Angled



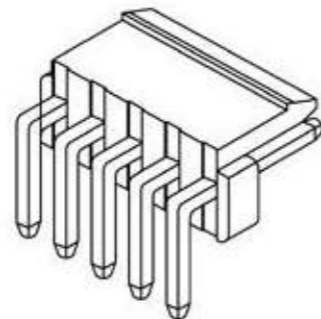
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

46-534

Crimp-Rast-Stift-/Buchsenleisten RM 3,96mm, gerade/gewinkelt
Friction Lock Headers / Crimp-Housings, 3.96mm Pitch, Straight/Right-Angled



Series **46-534** Contacts* **10** Type **4** Plating **50**
02-16 4 Stiftleiste gewinkelt
Right-angled pin header 50 Verzinkt
Tin plated



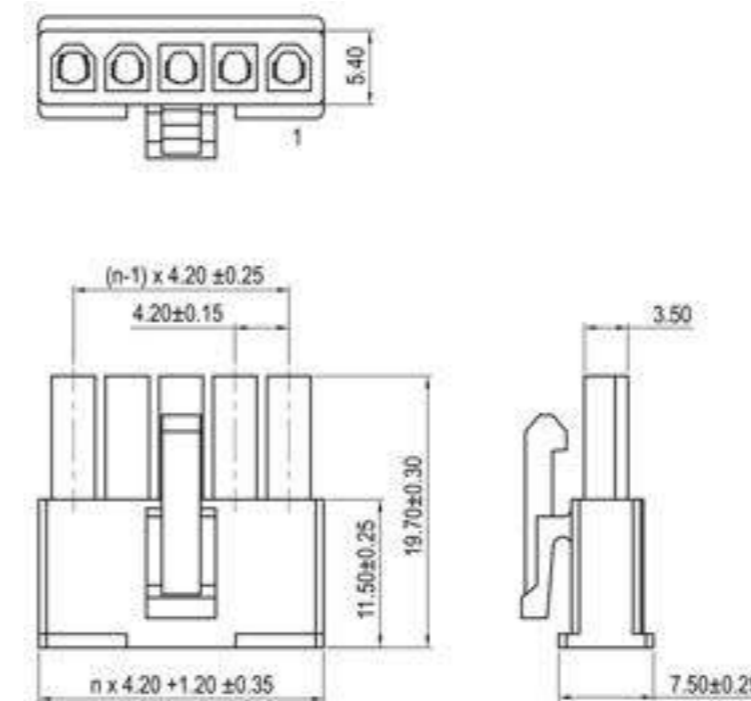
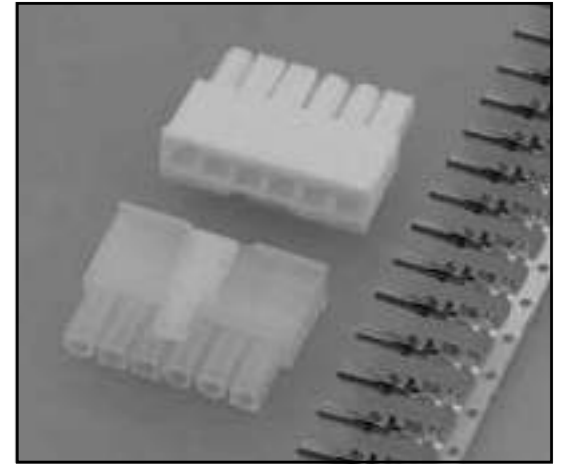
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

547

Crimp-Rast-Buchsengehäuse & Buchsenkontakte, 1-reihig, RM 4,20mm
Friction Lock Female Housings & Contacts, Single Row, 4.20mm Pitch

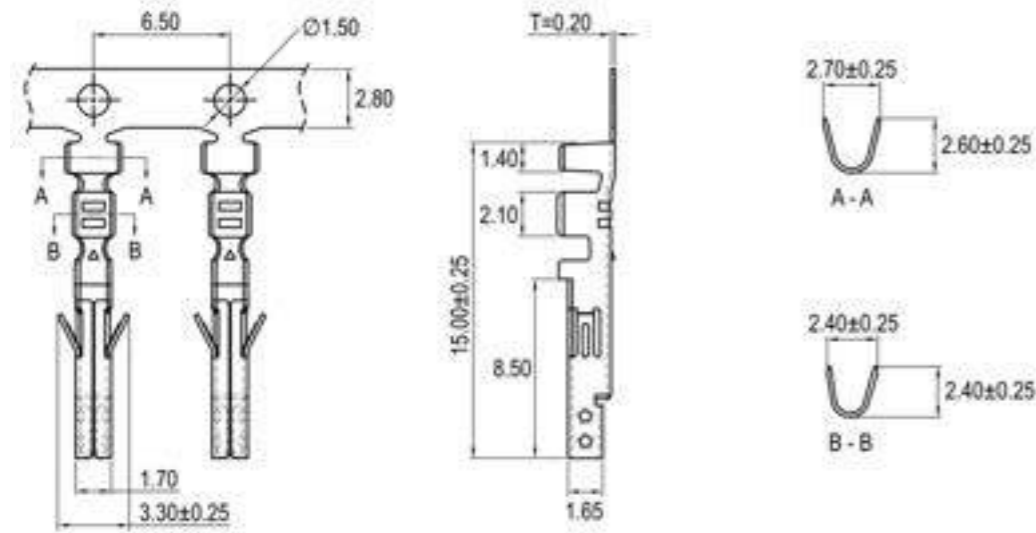
Technische Daten / Technical Data

Isolierkörper	Thermoplast, UL94 V-2 (-0: UL94 V-0)
Insulator	Thermoplastic, UL94 V-2 (-0: UL94 V-0)
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktoberfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Acc. to options (see below), over Ni
Aderquerschnitt	AWG 24 ~ 20
Applicable wire Gauge	AWG 24 ~ 20
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	1,5 kV AC
Test Voltage	1.5 kV AC
Nennspannung	600 V AC /DC
Voltage Rating	600 V AC /DC
Nennstrom	7 A AC/DC
Current Rating	7 A AC/DC
Temperaturbereich	-25 °C ... +85 °C
Temperature Range	-25 °C ... +85 °C



Series **547** Contacts* **05** Type **01** Material* **..**
02-06 Einreihig
Single row 01 Buchsengehäuse
Housing for female contacts
[] Für Wellenlöten, UL94 V-2
For wave soldering, UL94 V-2
0 Für Wellenlöten, UL94 V-0
For wave soldering, UL94 V-0

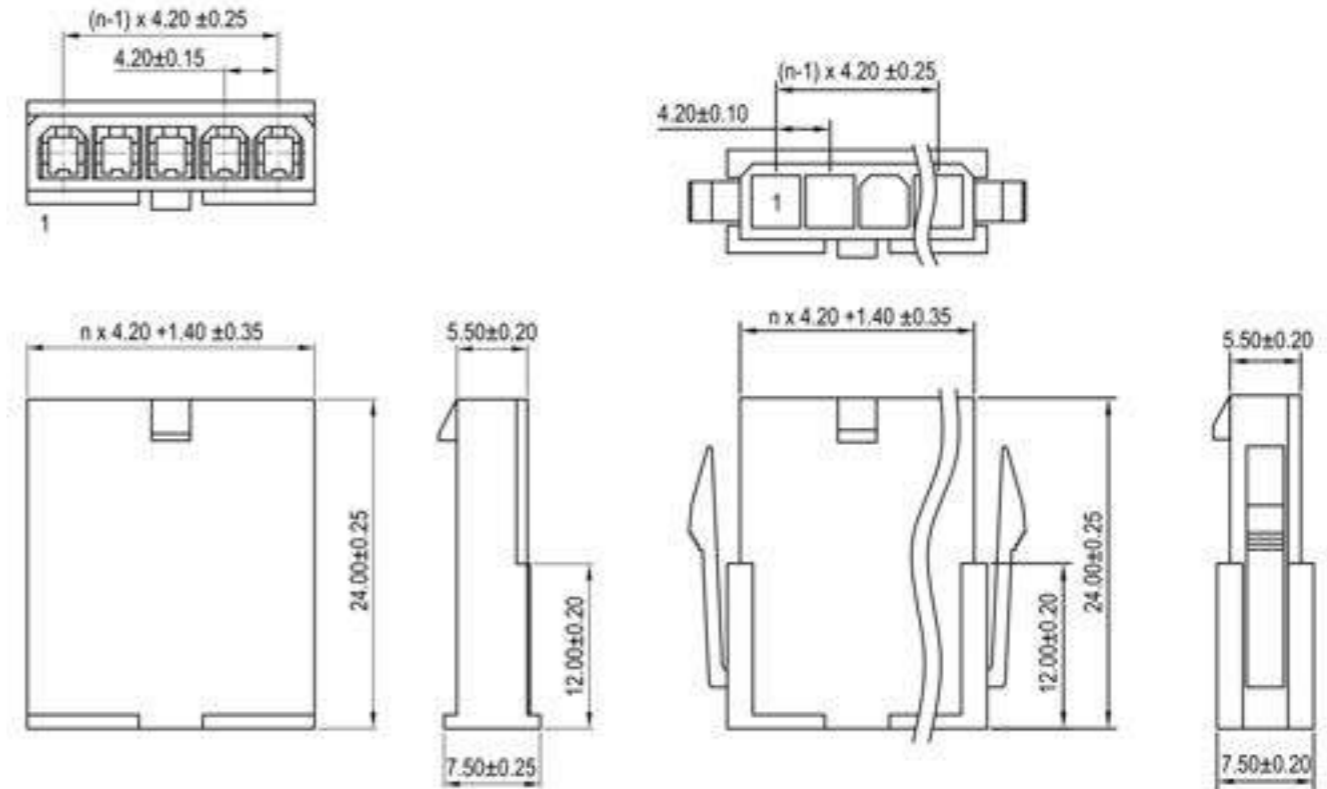
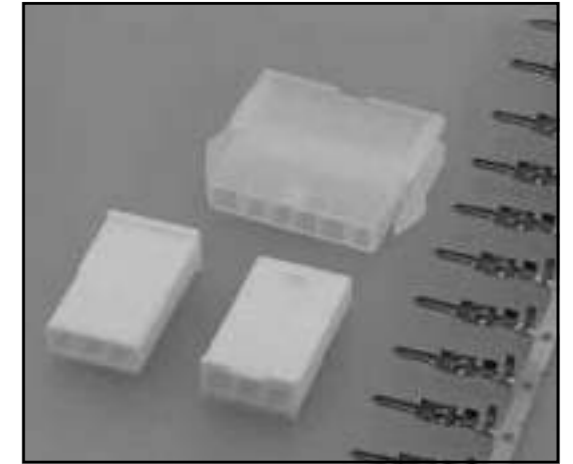
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.



Series	Contacts	Type	Plating*
544	01 01 Für Crimp-Kontakte <i>For crimp terminals</i>	02 02 Buchsenkontakt <i>Female contact</i>	50 00 Vergoldet <i>Gold plated</i> 50 Verzinkt <i>Tin plated</i>

Technische Daten / Technical Data

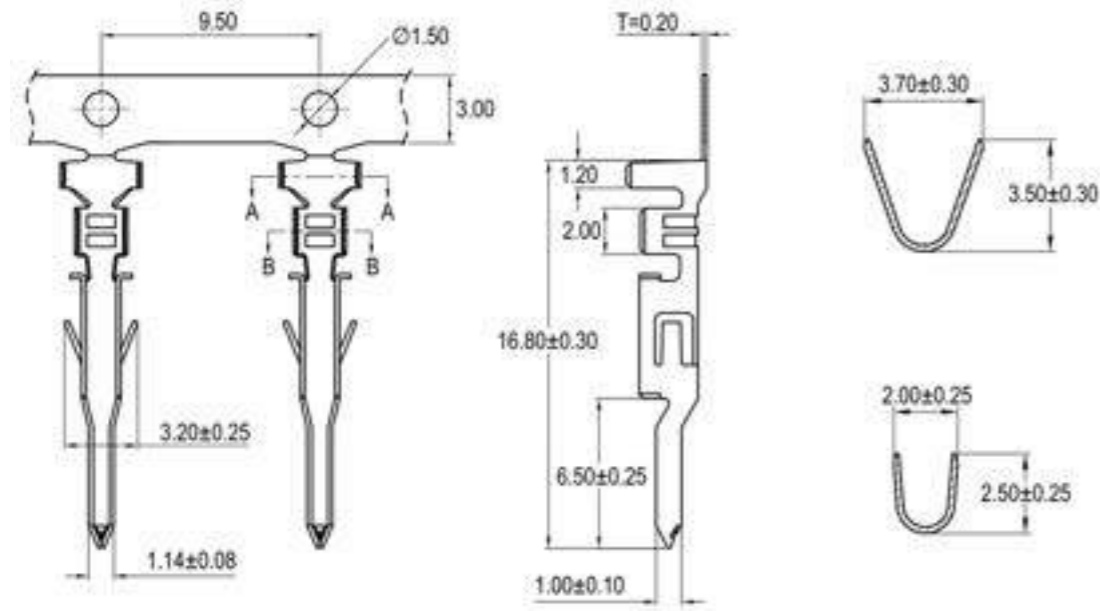
Isolierkörper <i>Insulator</i>	Thermoplast, UL94 V-2 (-0: UL94 V-0) <i>Thermoplastic, UL94 V-2 (-0: UL94 V-0)</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktoberfläche <i>Contact Surface</i>	Lt. Oberflächenoptionen, über Ni <i>Acc. to options (see below), over Ni</i>
Aderquerschnitt <i>Applicable wire Gauge</i>	AWG 24 ~ 20
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ
Spannungsfestigkeit <i>Test Voltage</i>	1,5 kV AC <i>1.5 kV AC</i>
Nennspannung <i>Voltage Rating</i>	600 V AC/DC <i>600 V AC/DC</i>
Nennstrom <i>Current Rating</i>	7 A AC/DC <i>7 A AC/DC</i>
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +85 °C <i>-25 °C ... +85 °C</i>



Series	Contacts*	Type*	Material*
547	05 02-06 Einreihig <i>Single row</i>	05 05 Gehäuse für Stiftkontakte <i>Housing for male terminals</i> 11 Gehäuse für Stiftkontakte, mit Laschen <i>Housing for male terminals, with latches</i>	.. [.] UL94 V-2 (Standard) 0 UL94 V-0

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

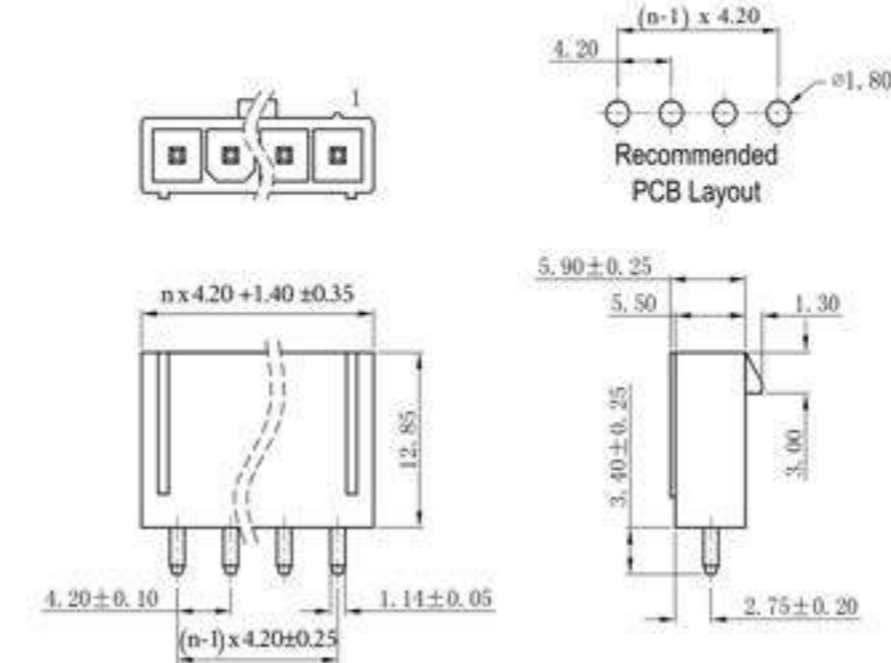
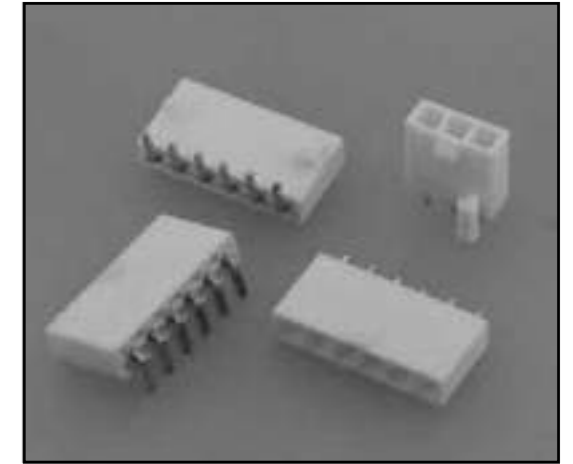
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.



Series	Contacts	Type	Plating*
544	01 01 Für Crimp-Kontakte For crimp terminals	06 06 Stiftkontakte Male terminals	50 00 Vergoldet Gold plated 50 Verzinnt Tin plated

Technische Daten / Technical Data

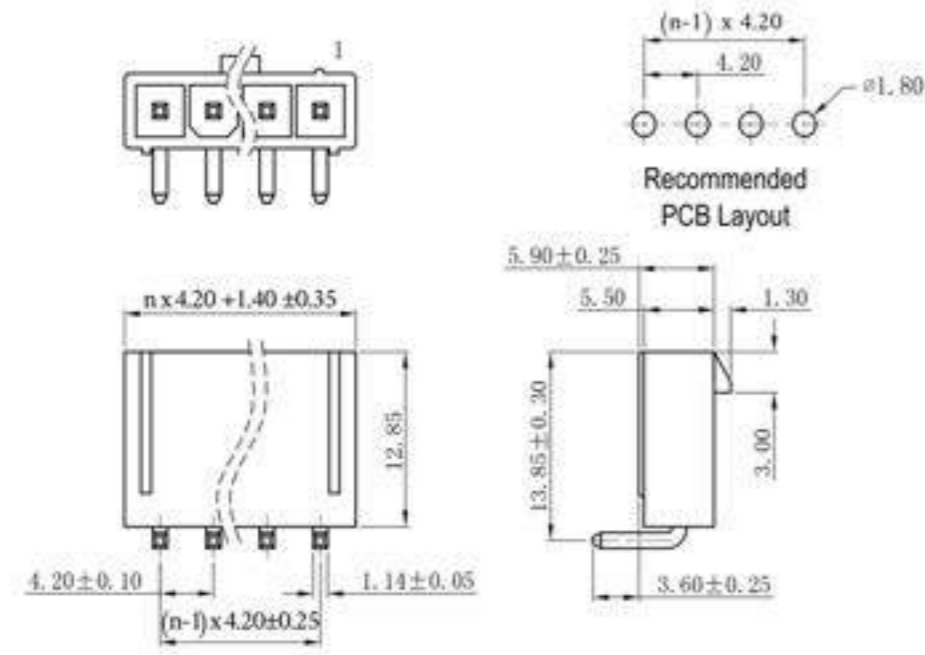
Isolierkörper	Thermoplast, UL94 V-2 (-HT: UL94 V-0)
Insulator	Thermoplastic, UL94 V-2 (-HT: UL94 V-0)
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktoberfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Acc. to options (see below), over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	1,5 kV AC
Test Voltage	1.5 kV AC
Nennspannung	600 V AC/DC
Voltage Rating	600 V AC/DC
Nennstrom	7 A AC/DC
Current Rating	7 A AC/DC
Temperaturbereich	-25 °C ... +85 °C
Temperature Range	-25 °C ... +85 °C
Verarbeitung	Wellenlötverfahren (-HT: Reflow-Lötverfahren)
Processing	Wave soldering (-HT: Reflow soldering)



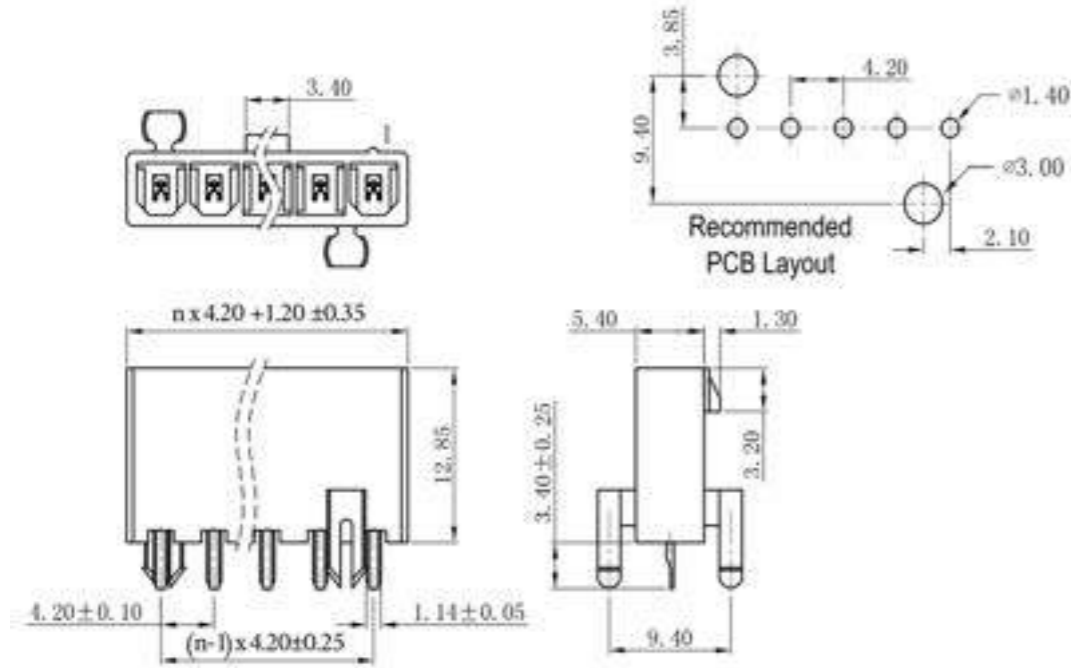
Series	Contacts*	Type	Plating	Material*
547	04 02-06 Einreihig Single row	07 07 Stiftleiste gerade, ohne Kragen Pin header straight, w/o collar	50 Sn	.. HT Für Reflow-Löten For reflow soldering

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

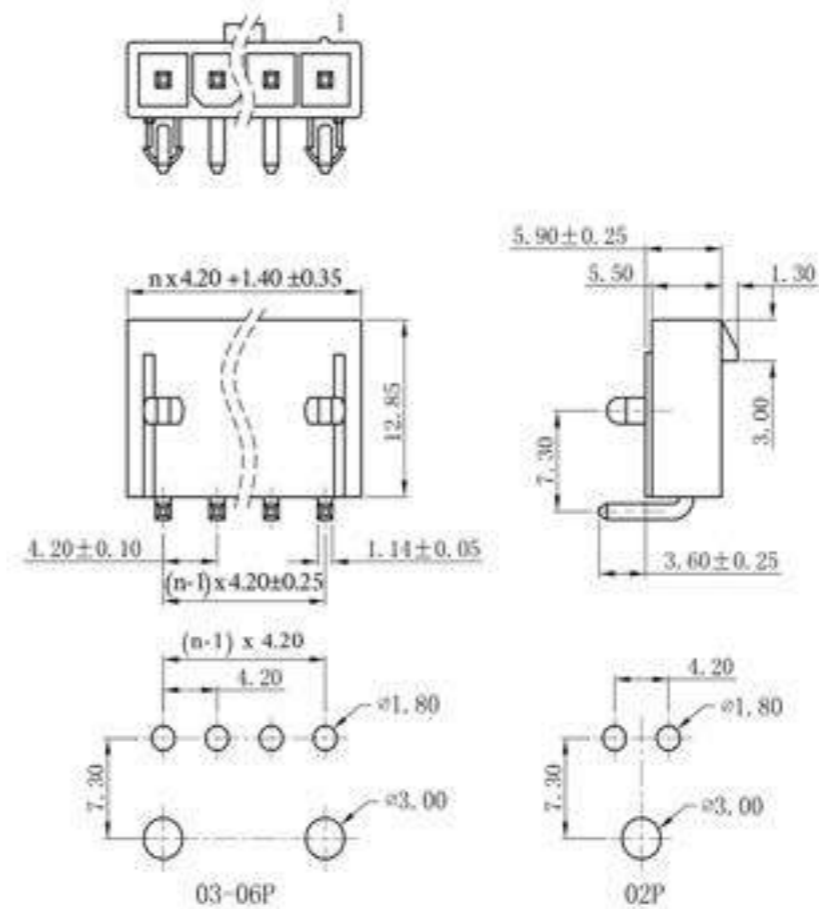


Series	Contacts*	Type	Plating	Material*
547	04 02-06 Einreihig Single row	08 08 Stiftleiste gewinkelt, ohne Kragen Pin header right-angled, w/o collar	50 50 Sn	.. HT Für Reflow-Löten For reflow soldering



Series	Contacts*	Type	Plating	Material*
547	05 03-06 Einreihig Single row	12 12 Stiftleiste gerade mit Rastclips Pin header straight with rast clips	50 50 Sn	.. HT Für Reflow-Löten For reflow soldering

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

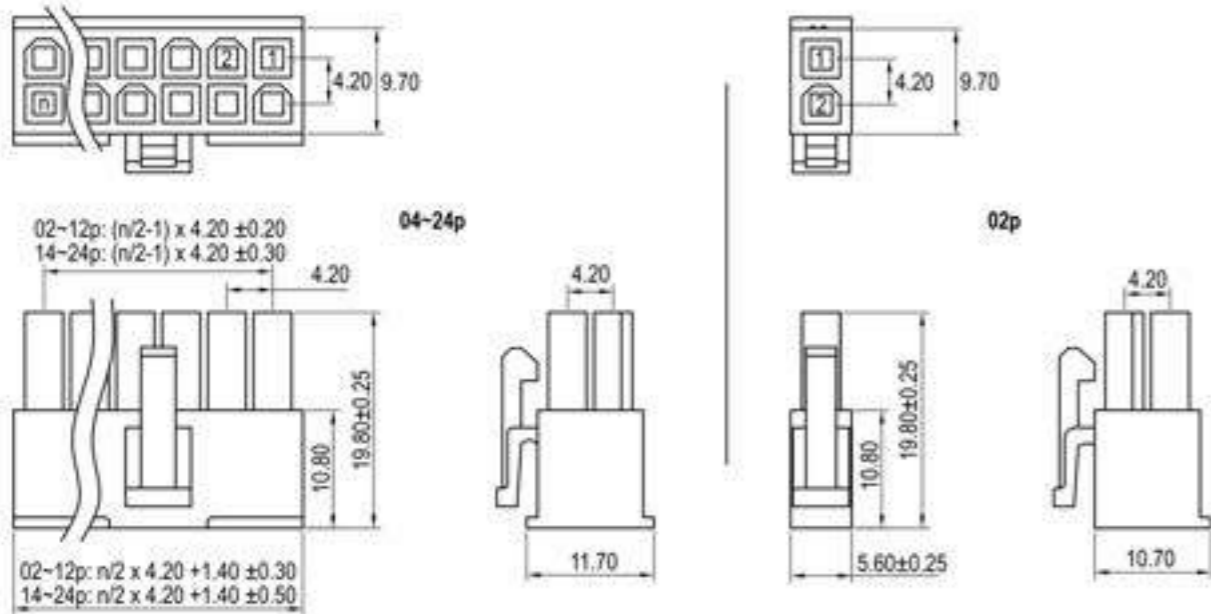
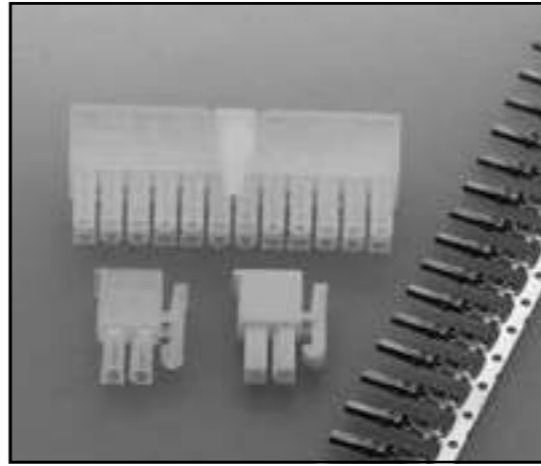


Series	Contacts*	Type*	Plating	Material*
547	04 02-06 Einreihig Single row	10 10 Stiftleiste gewinkelt mit Rastclips Pin header right-angled with rast clips	50 50 Sn	.. HT Für Reflow-Löten For reflow soldering

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

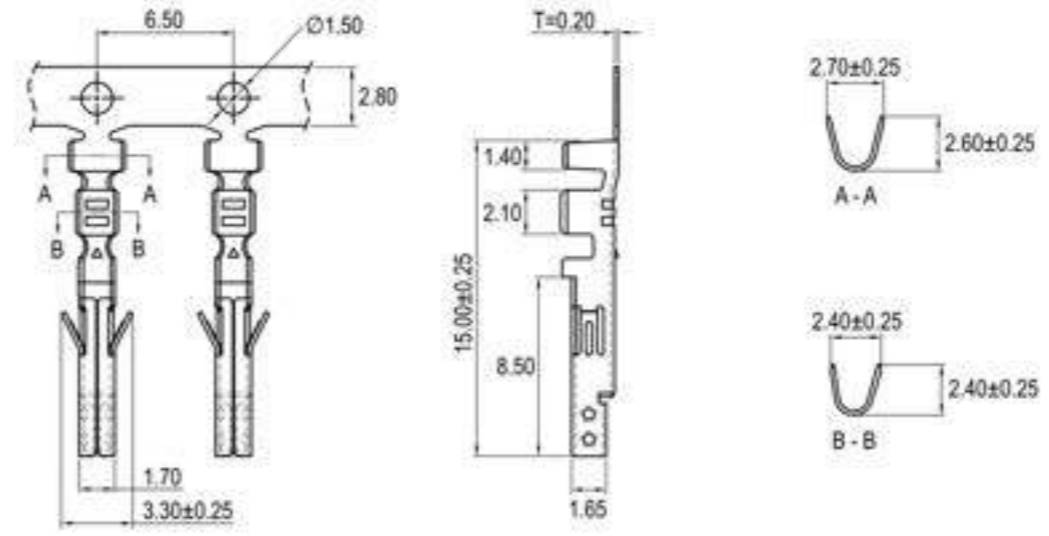
Technische Daten / Technical Data

Isolierkörper <i>Insulator</i>	Thermoplast, UL94 V-2 (-0: UL94 V-0) <i>Thermoplastic, UL94 V-2 (-0: UL94 V-0)</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktoberfläche <i>Contact Surface</i>	Lt. Oberflächenoptionen, über Ni <i>Acc. to options (see below), over Ni</i>
Aderquerschnitt <i>Applicable wire Gauge</i>	AWG 24 ~ 20 <i>AWG 24 ~ 20</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ <i>< 20 mΩ</i>
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ <i>> 1000 MΩ</i>
Spannungsfestigkeit <i>Test Voltage</i>	1,5 kV AC <i>1.5 kV AC</i>
Nennspannung <i>Voltage Rating</i>	600 V AC /DC <i>600 V AC /DC</i>
Nennstrom <i>Current Rating</i>	7 A AC/DC <i>7 A AC/DC</i>
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +85 °C <i>-25 °C ... +85 °C</i>



Series 544	Contacts* 12 02-24 Zweireihig <i>Double row</i>	Type 01 01 Buchsengehäuse <i>Housing for female contacts</i>	Material* [] [] Für Wellenlöten, UL94 V-2 <i>For wave soldering, UL94 V-2</i> 0 Für Wellenlöten, UL94 V-0 <i>For wave soldering, UL94 V-0</i>
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* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.



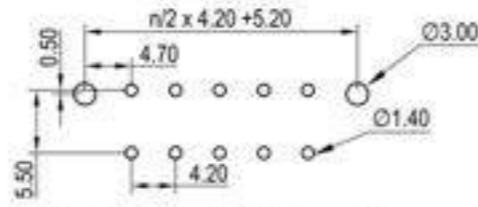
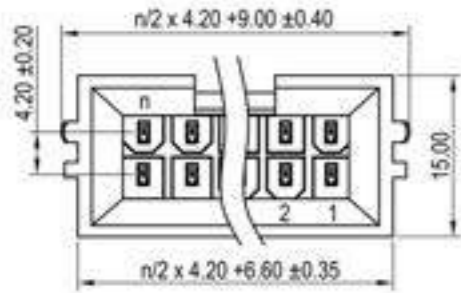
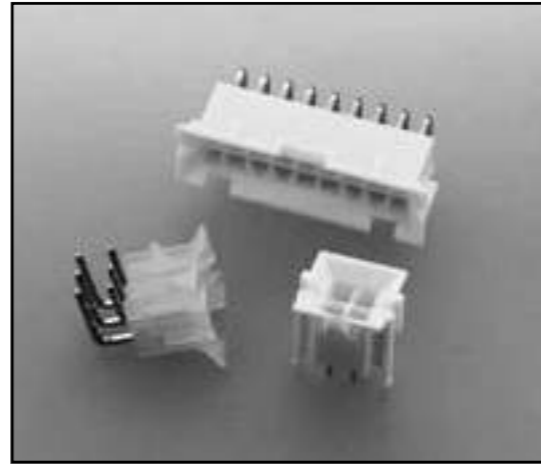
Series 544	Contacts 01 01 Für Crimp-Kontakt <i>For crimp terminal</i>	Type 02 02 Buchsenkontakt <i>Female contact</i>	Plating* 50 00 Vergoldet <i>Gold plated</i> 50 Verzinkt <i>Tin plated</i>
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* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

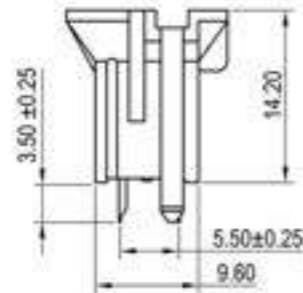
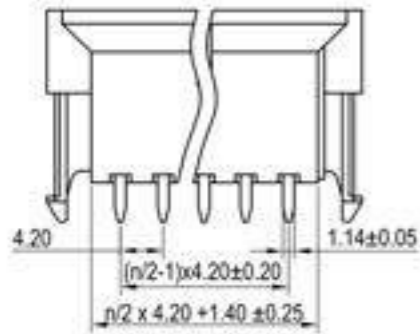
Crimp-Rast-Stiftleisten RM 4,20mm, 2-reihig, gerade / gewinkelt - mit Kragen Friction Lock Pin Headers 4.20mm Pitch, Double Row, Straight / Right-Angled - with Collar

Technische Daten / Technical Data

Isolierkörper <i>Insulator</i>	Thermoplast, UL94 V-2 (-HT: UL94 V-0) <i>Thermoplastic, UL94 V-2 (-HT: UL94 V-0)</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktoberfläche <i>Contact Surface</i>	Lt. Oberflächenoptionen, über Ni <i>Acc. to options (see below), over Ni</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ
Spannungsfestigkeit <i>Test Voltage</i>	1,5 kV AC 1,5 kV AC
Nennspannung <i>Voltage Rating</i>	600 V AC/DC 600 V AC/DC
Nennstrom <i>Current Rating</i>	7 A AC/DC 7 A AC/DC
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +85 °C -25 °C ... +85 °C
Verarbeitung <i>Processing</i>	Wellenlötverfahren (-HT: Reflow-Lötverfahren) <i>Wave soldering (-HT: Reflow soldering)</i>

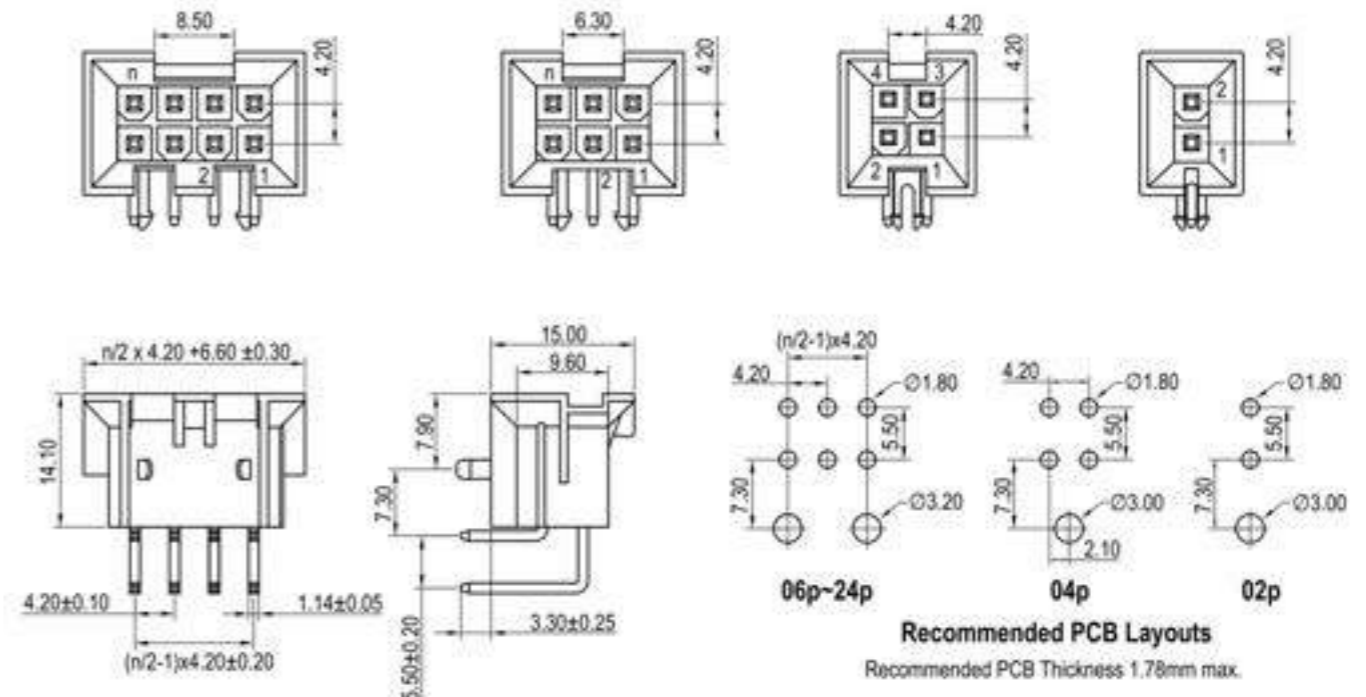


Recommended PCB Layout
Recommended PCB Thickness 1.78mm max.



Series	Contacts*	Type	Plating	Material*
544	06	03	50	..
	04-24 Zweireihig Double row	03 Stiftleiste gerade, mit Kragen Pin header straight, with collar	50 Sn	HT Für Reflow-Löten For reflow soldering

Crimp-Rast-Stiftleisten RM 4,20mm, 2-reihig, gerade / gewinkelt - mit Kragen Friction Lock Pin Headers 4.20mm Pitch, Double Row, Straight / Right-Angled - with Collar



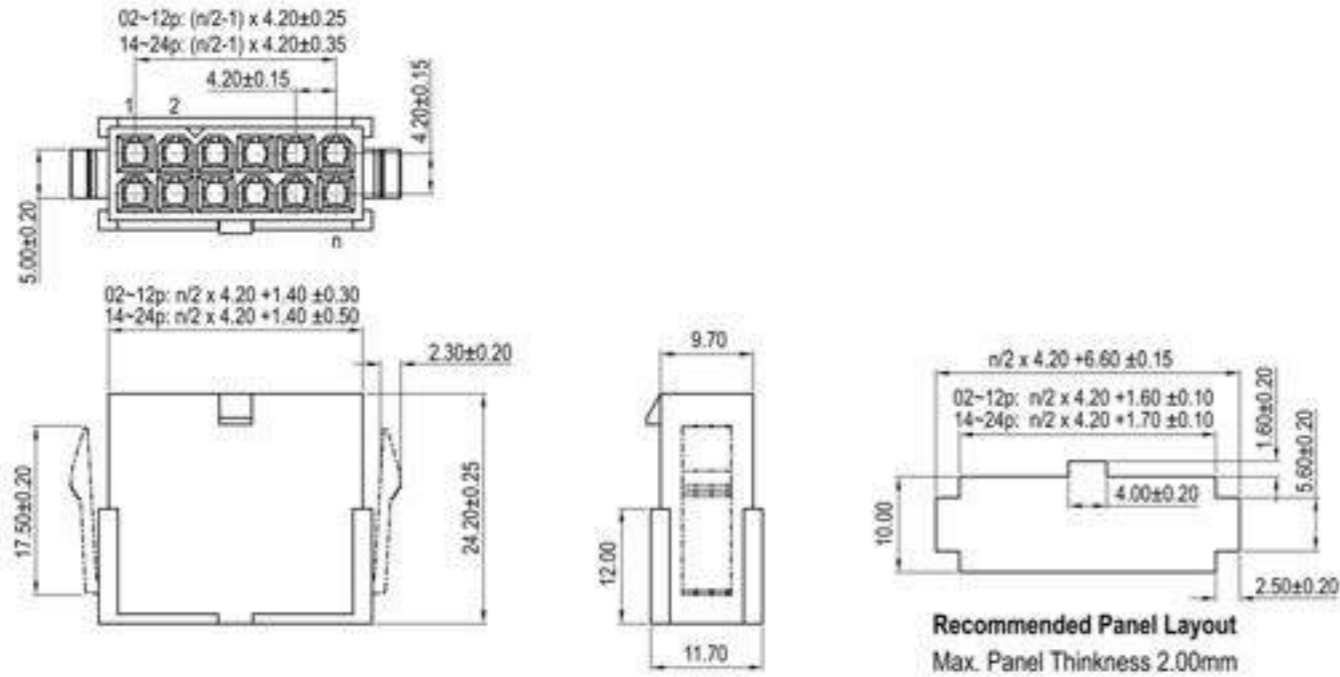
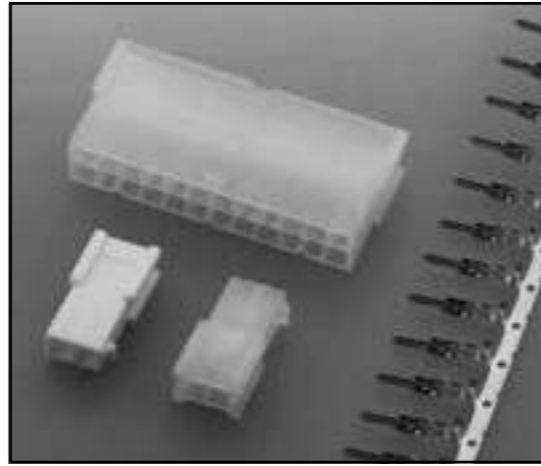
Series	Contacts*	Type	Plating	Material*
544	06	04	50	..
	02-24 Zweireihig Double row	04 Stiftleiste gewinkelt, mit Kragen Pin header right-angled, with collar	50 Sn	HT Für Reflow-Löten For reflow soldering

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

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* This is an **order example** - please replace by your specifications.

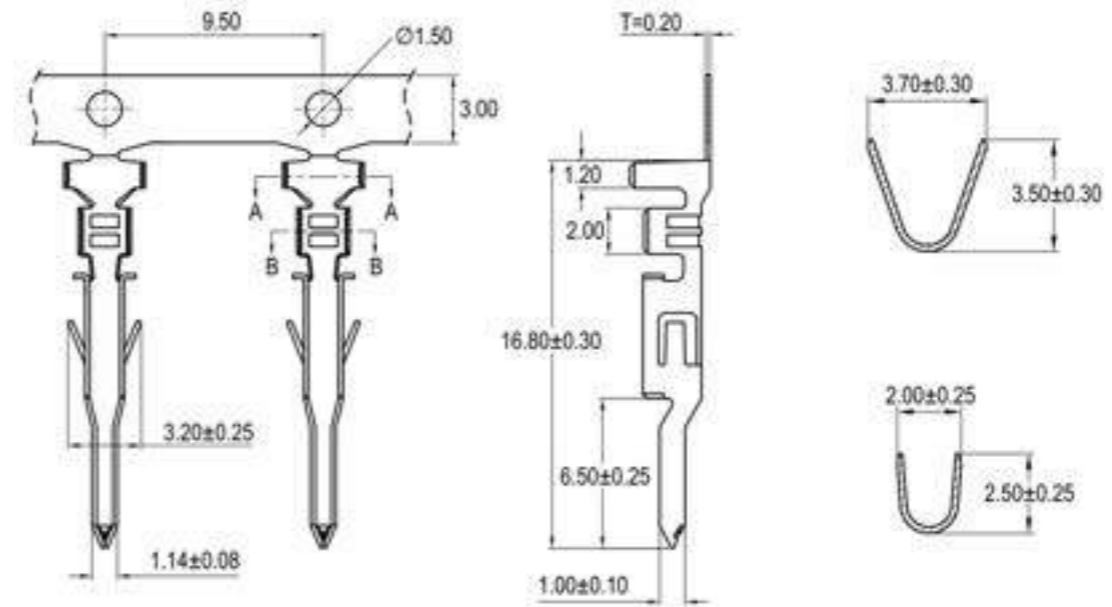
Technische Daten / Technical Data

Isolierkörper <i>Insulator</i>	Thermoplast, UL94 V-2 (-0: UL94 V-0) <i>Thermoplastic, UL94 V-2 (-0: UL94 V-0)</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktoberfläche <i>Contact Surface</i>	Lt. Oberflächenoptionen, über Ni <i>Acc. to options (see below), over Ni</i>
Aderquerschnitt <i>Applicable wire Gauge</i>	AWG 24 ~ 20
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ
Spannungsfestigkeit <i>Test Voltage</i>	1,5 kV AC
Nennspannung <i>Voltage Rating</i>	600 V AC/DC
Nennstrom <i>Current Rating</i>	7 A AC/DC
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +85 °C



Series	Contacts*	Type*	Material*
544	06 02-24 Zweireihig Double row	05 05 Gehäuse für Stiftkontakte Housing for male terminals 11 Gehäuse für Stiftkontakte, mit Laschen Housing for male terminals, with latches	.. [.] UL94 V-2 (Standard) 0 UL94 V-0

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.



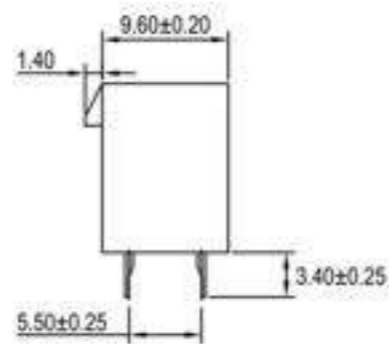
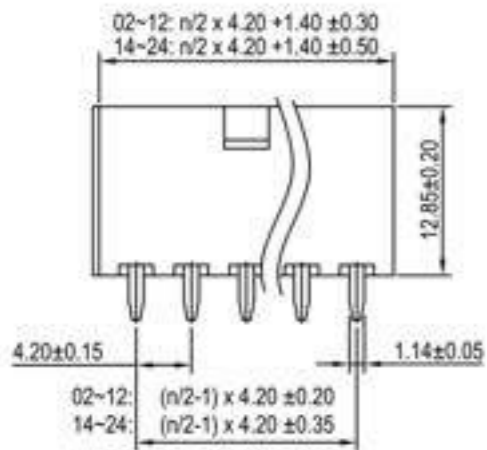
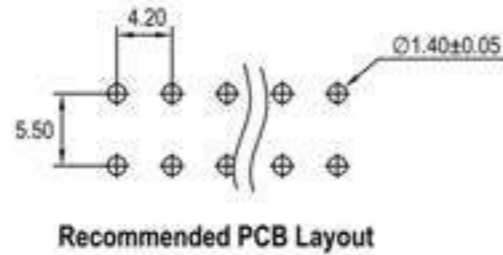
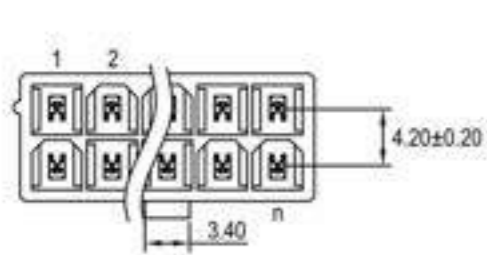
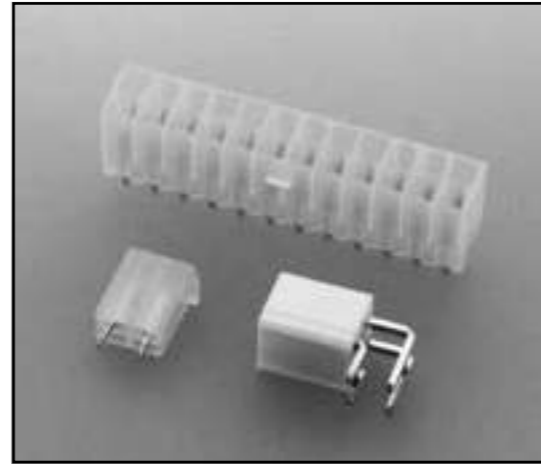
Series	Contacts	Type	Plating*
544	01	06 06 Stiftkontakte Male terminals	50 00 Vergoldet Gold plated 50 Verzinkt Tin plated

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

Crimp-Rast-Stiftleisten RM 4,20mm, gerade / gewinkelt - mit Befestigungsoptionen
Friction Lock Pin Headers 4.20mm Pitch, Straight / Right-Angled - with Mounting Options

Technische Daten / Technical Data

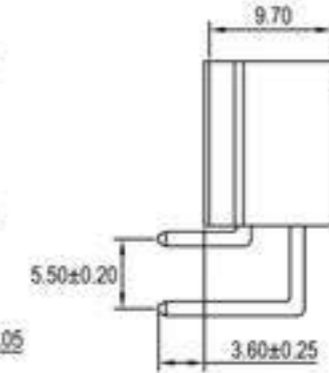
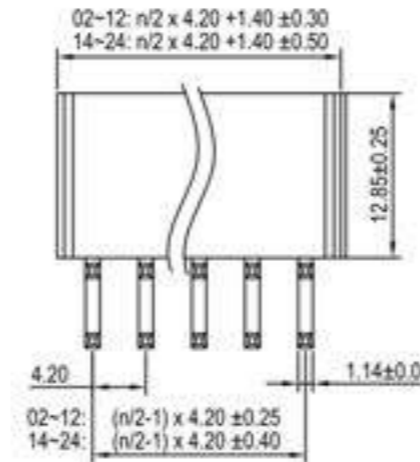
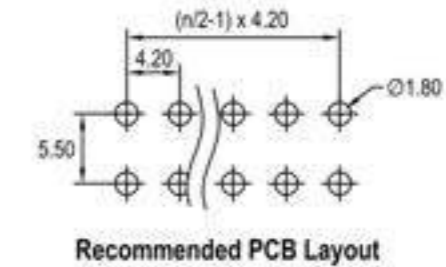
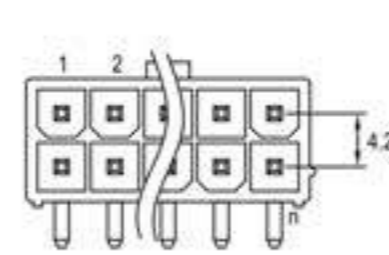
Isolierkörper <i>Insulator</i>	Thermoplast, UL94 V-2 (-HT: UL94 V-0) <i>Thermoplastic, UL94 V-2 (-HT: UL94 V-0)</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktoberfläche <i>Contact Surface</i>	Lt. Oberflächenoptionen, über Ni <i>Acc. to options (see below), over Ni</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ
Spannungsfestigkeit <i>Test Voltage</i>	1,5 kV AC
Nennspannung <i>Voltage Rating</i>	600 V AC/DC
Nennstrom <i>Current Rating</i>	7 A AC/DC
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +85 °C
Verarbeitung <i>Processing</i>	Wellenlötverfahren (-HT: Reflow-Lötverfahren) <i>Wave soldering (-HT: Reflow soldering)</i>



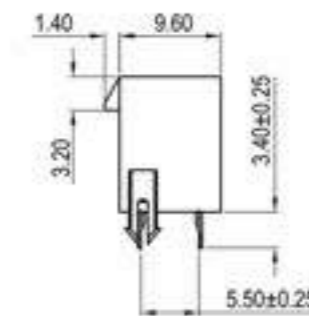
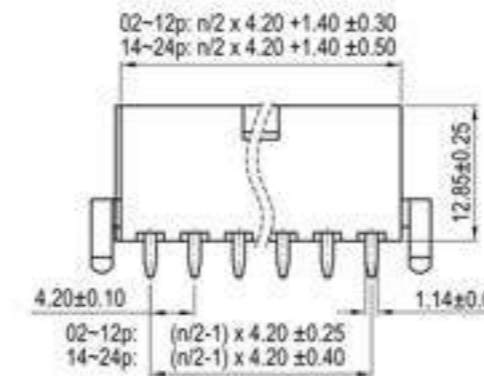
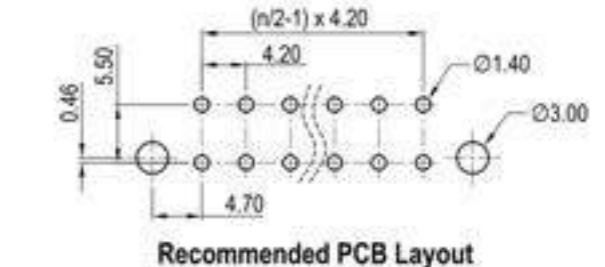
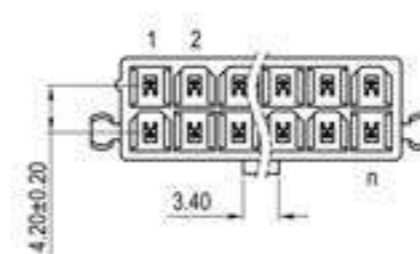
Series	Contacts	Type	Plating	Material*
544	08 02-24	07 07 Stiftleiste gerade, ohne Kragen <i>Pin header straight, w/o collar</i>	50 50 Sn	.. HT Für Reflow-Löten <i>For reflow soldering</i>

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

Crimp-Rast-Stiftleisten RM 4,20mm, gerade / gewinkelt - mit Befestigungsoptionen
Friction Lock Pin Headers 4.20mm Pitch, Straight / Right-Angled - with Mounting Options

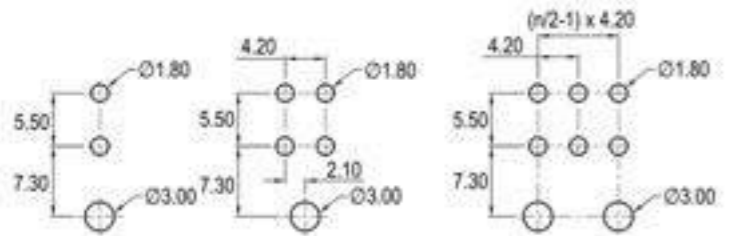
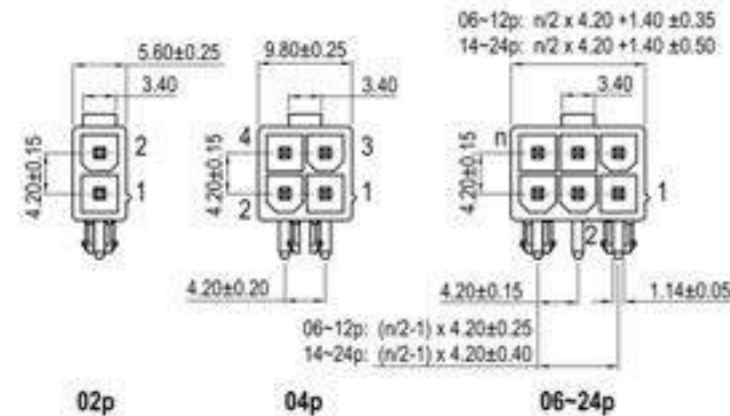


Series	Contacts	Type	Plating	Material*
544	08 02-24	08 08 Stiftleiste gewinkelt, ohne Kragen <i>Pin header right-angled, w/o collar</i>	50 50 Sn	.. HT Für Reflow-Löten <i>For reflow soldering</i>



Series	Contacts	Type	Plating	Material*
544	06 02-24 Zweireihig <i>Double row</i>	12 12 Stiftleiste gerade mit Rastclips <i>Pin header straight with rast clips</i>	50 50 Sn	.. HT Für Reflow-Löten <i>For reflow soldering</i>

* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.



Recommended PCB Layout
Recommended PCB Thickness 1.78mm



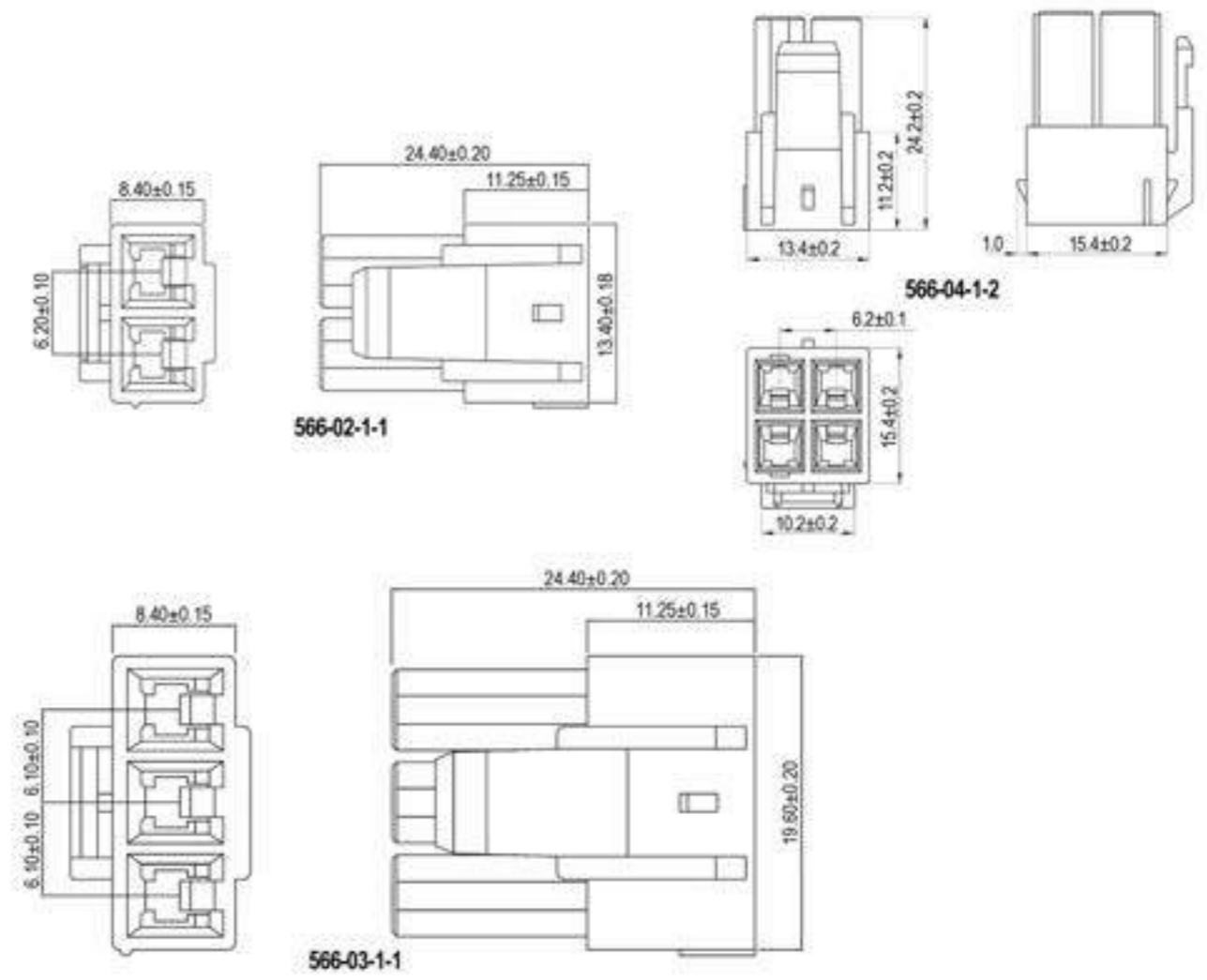
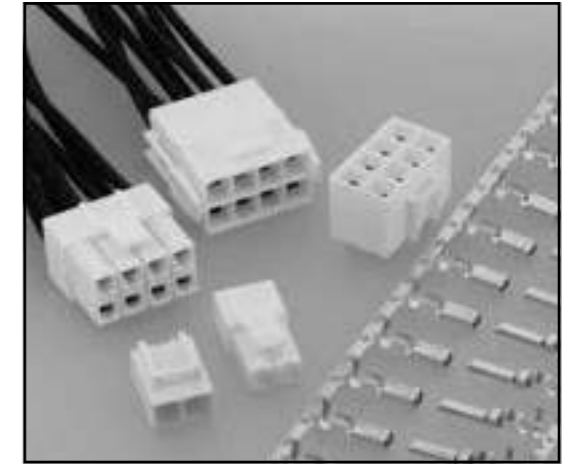
Recommended PCB Layout

Series	Contacts	Type*	Plating	Material*
544	06 02-24 Zweireihig Double row	10 10 Stiftleiste gewinkelt mit Rastclips Pin header right-angled with rast clips 09 Stiftleiste gewinkelt mit Flanschen Pin header right-angled with flanges	50 50 Sn	.. HT Für Reflow-Löten For reflow soldering

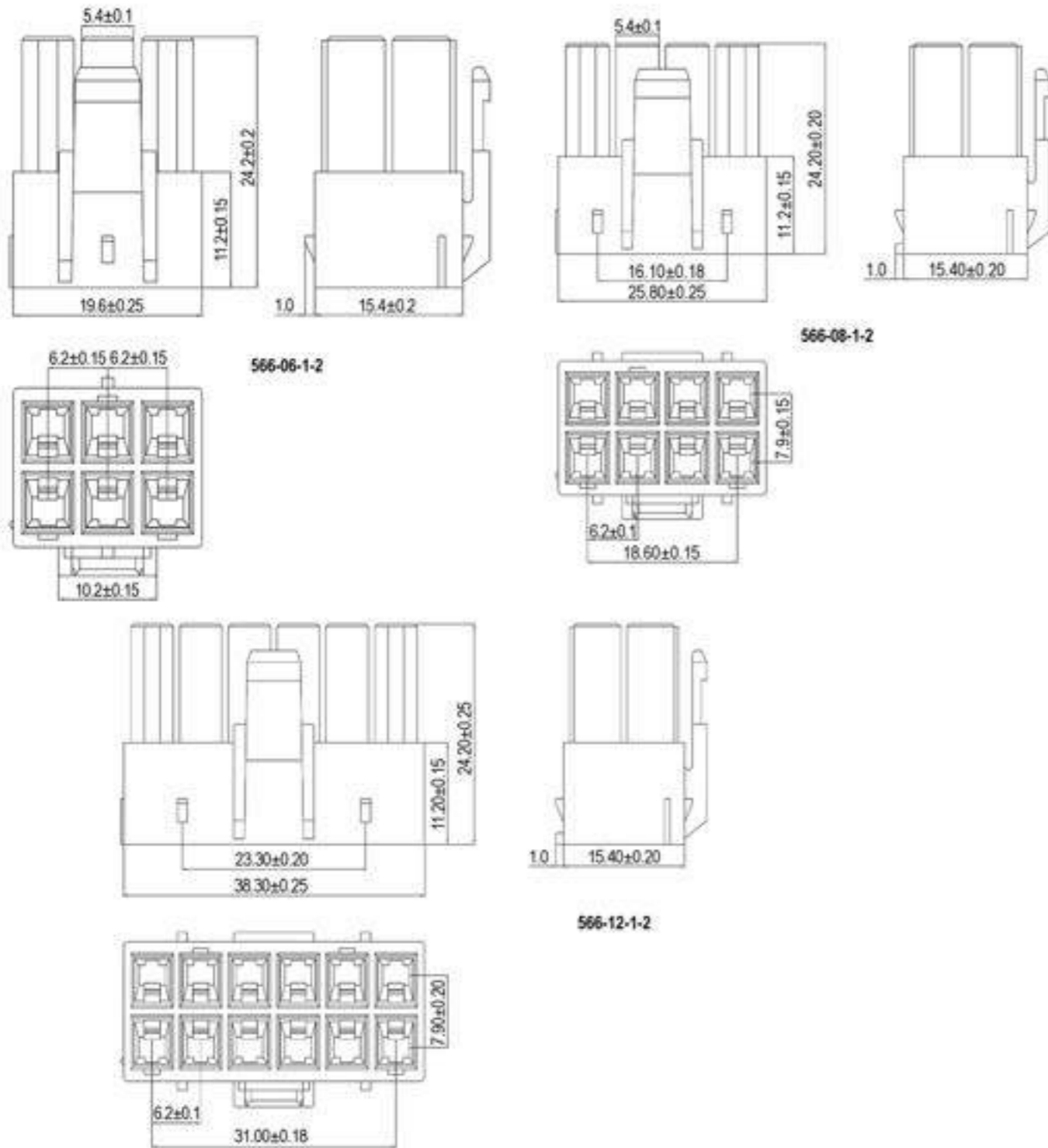
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-2 (V-0 auf Anfrage)
Insulator	Thermoplastic, rated UL94 V-2 (V-0 on request)
Kontaktoberfläche	Verzinkt
Contact Surface	Tin plated
Aderquerschnitt	AWG 18 ~ 14
Applicable wire Gauge	AWG 18 ~ 14
Durchgangswiderstand	< 10 mΩ
Contact Resistance	< 10 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	2 kV AC
Test Voltage	2 kV AC
Nennspannung	300 V AC/DC
Voltage Rating	300 V AC/DC
Nennstrom	20 A max.
Current Rating	20 A max.
Temperaturbereich	-25 °C ... +85 °C
Temperature Range	-25 °C ... +85 °C

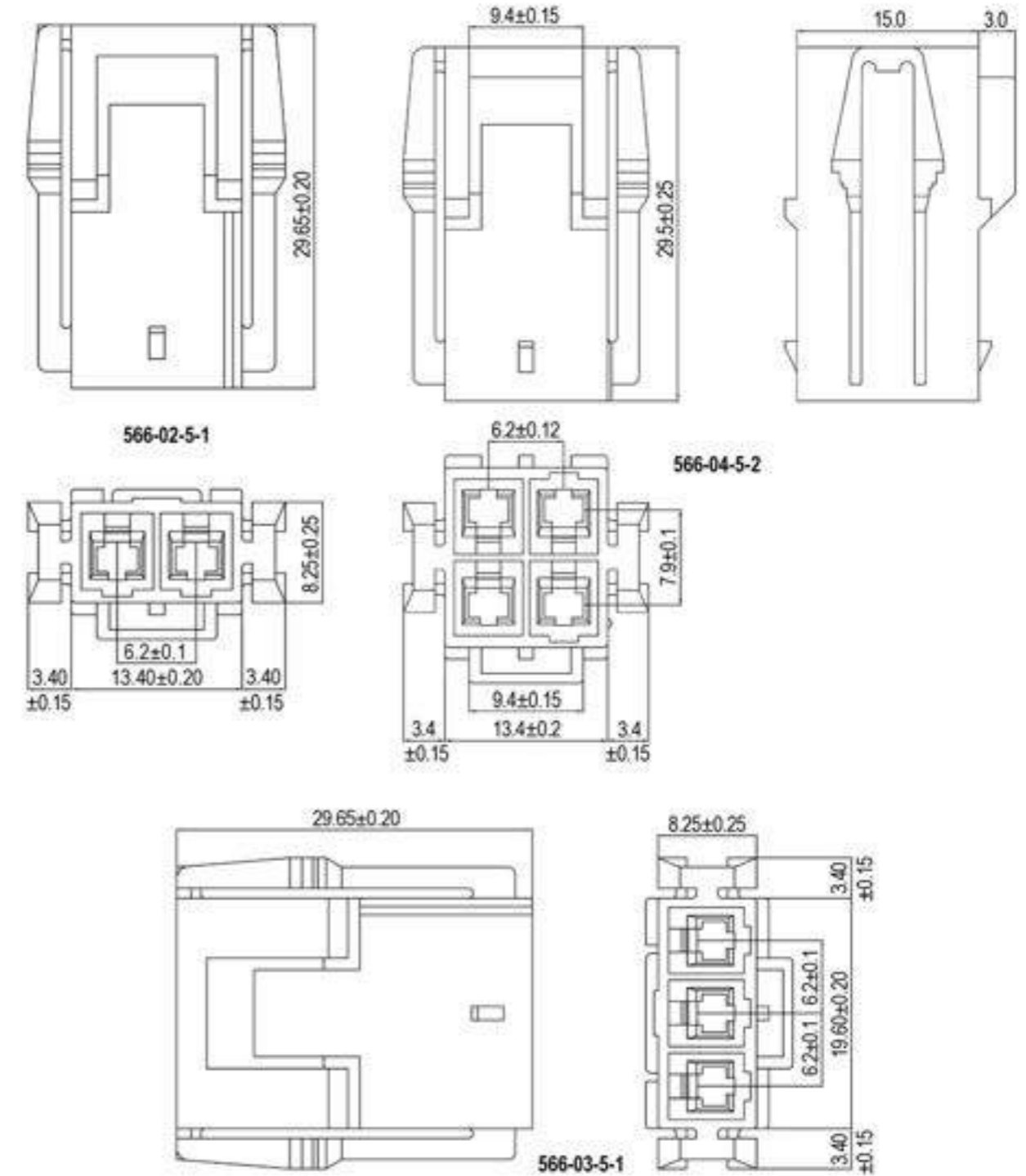


* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

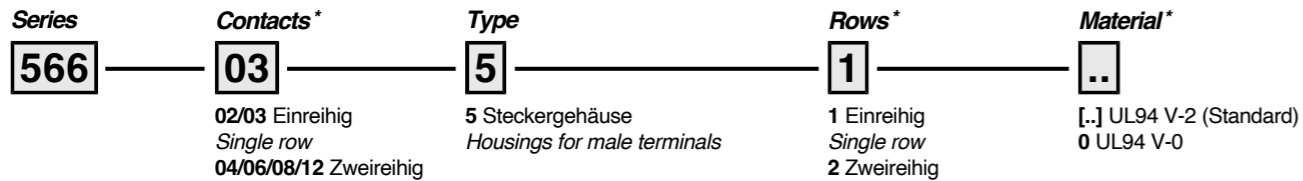
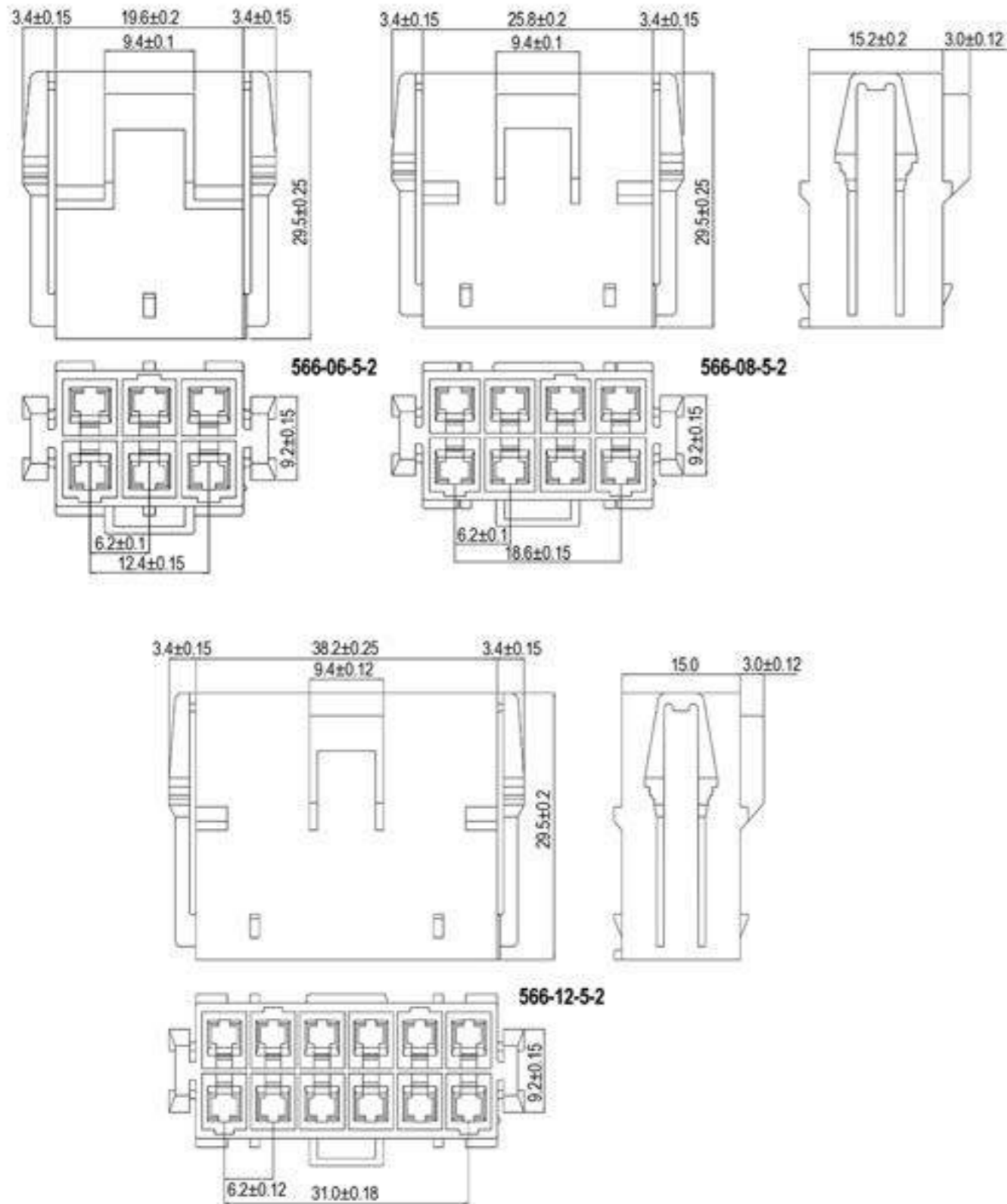


Series	Contacts*	Type	Rows*	Material*
566	04 02/03 Einreihig Single row 04/06/08/12 Zweireihig Double row	1 1 Buchsengehäuse Housings for female terminals	2 1 Einreihig Single row 2 Zweireihig Double row	.. [.] UL94 V-2 (Standard) 0 UL94 V-0

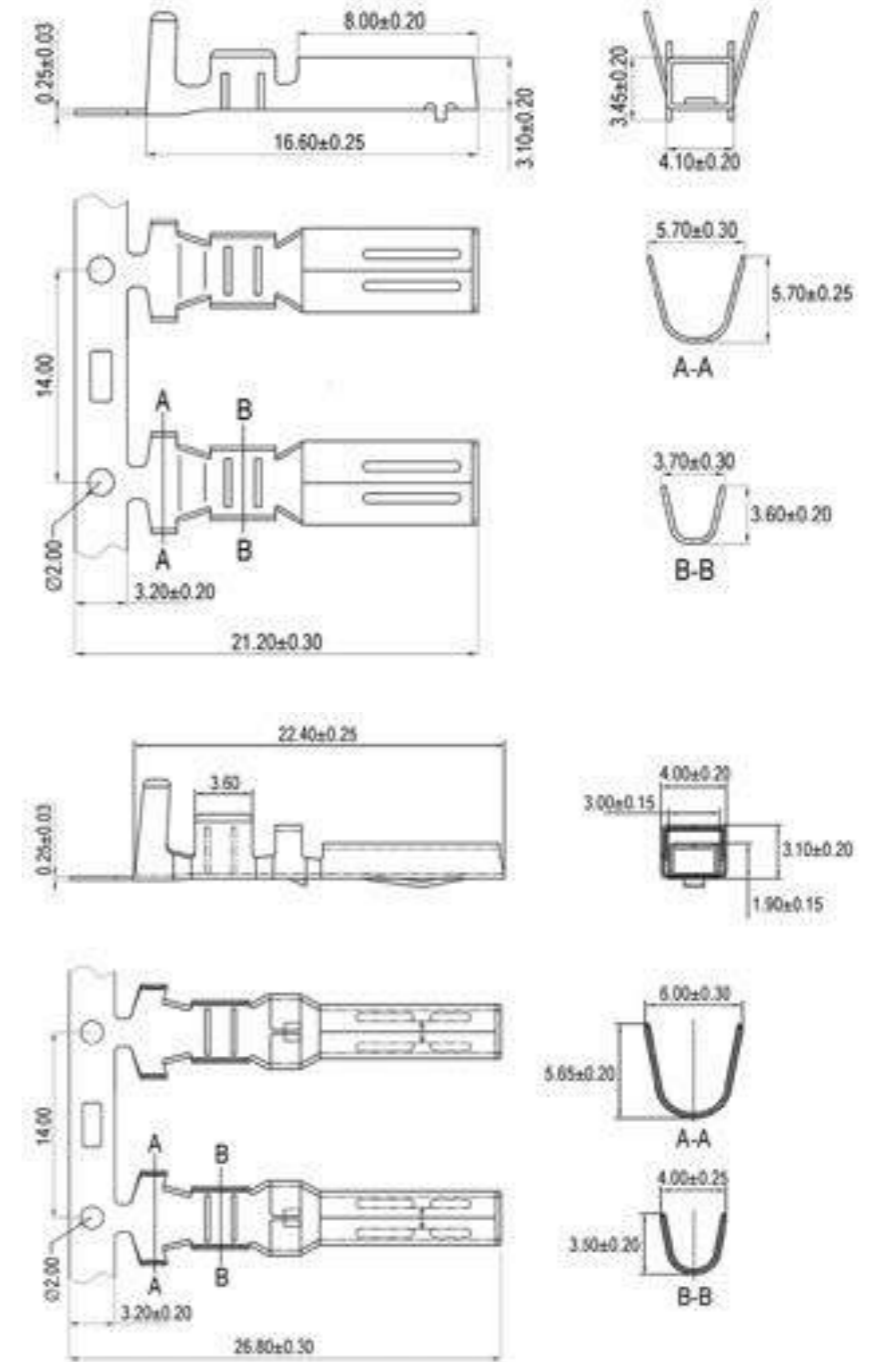
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.



* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

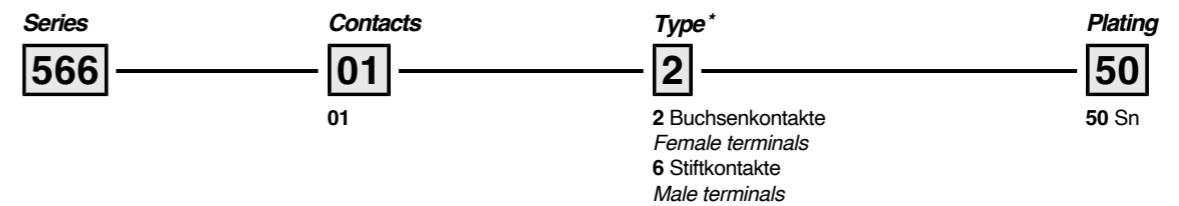


* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

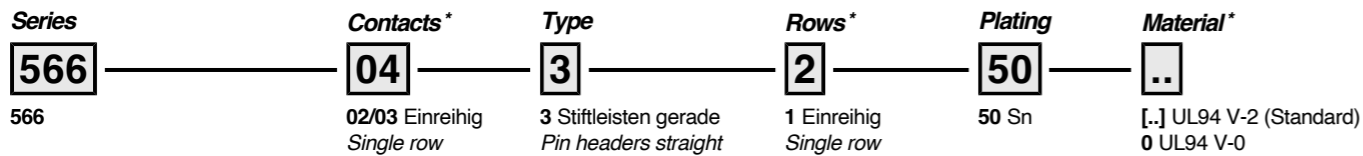
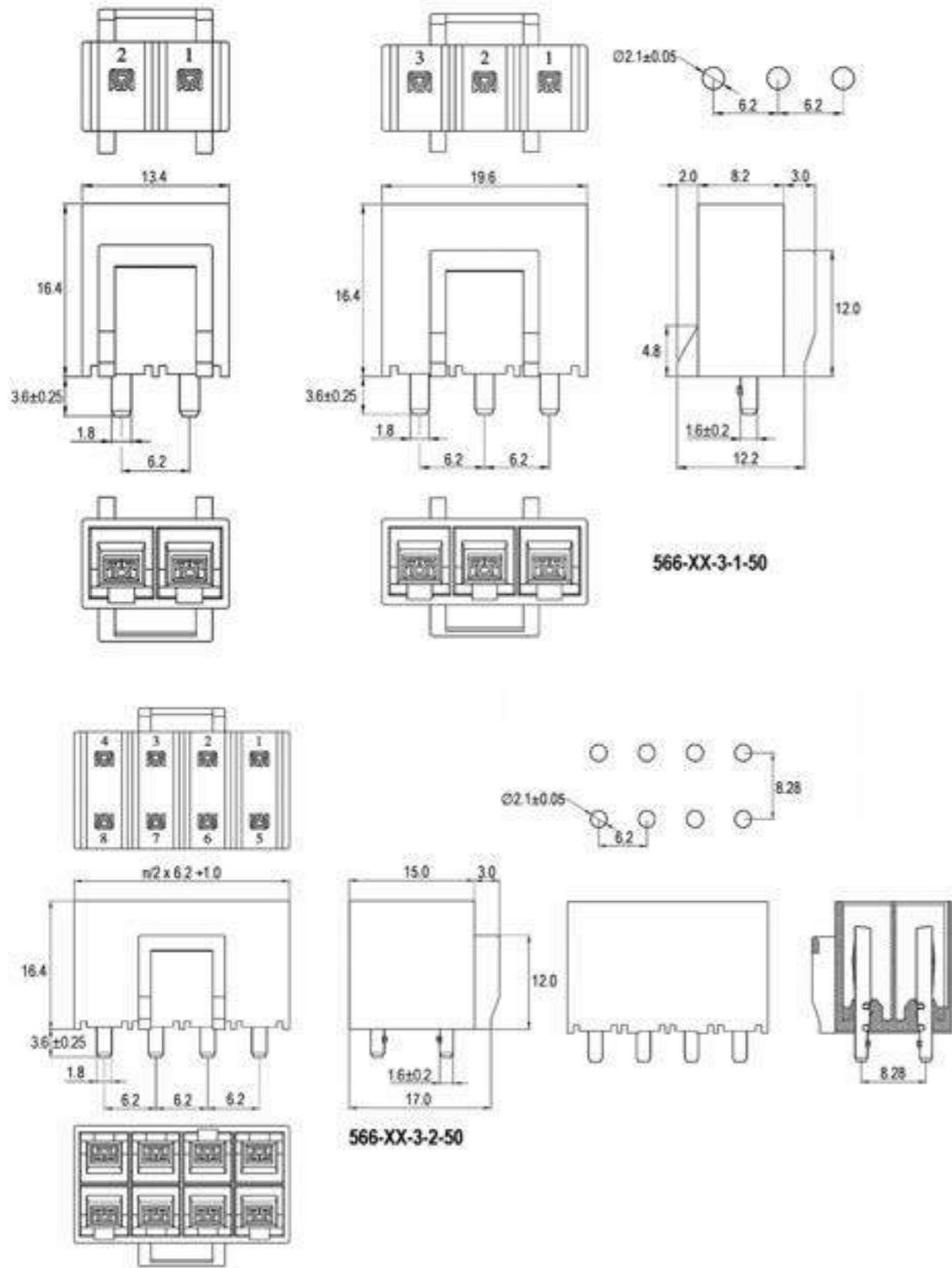


566-01-2-50

566-01-6-50



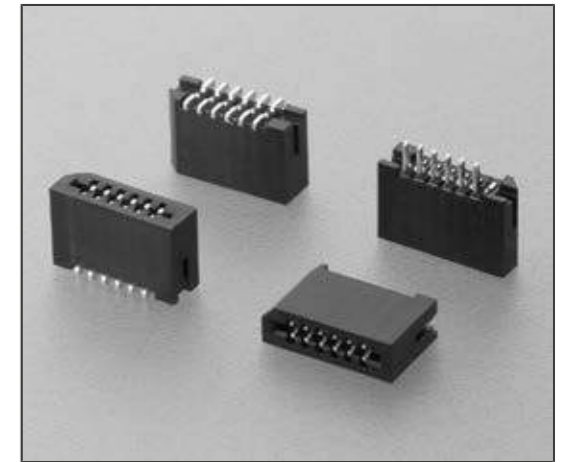
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.



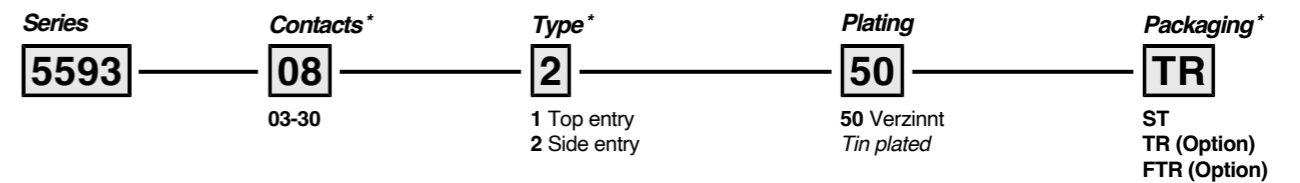
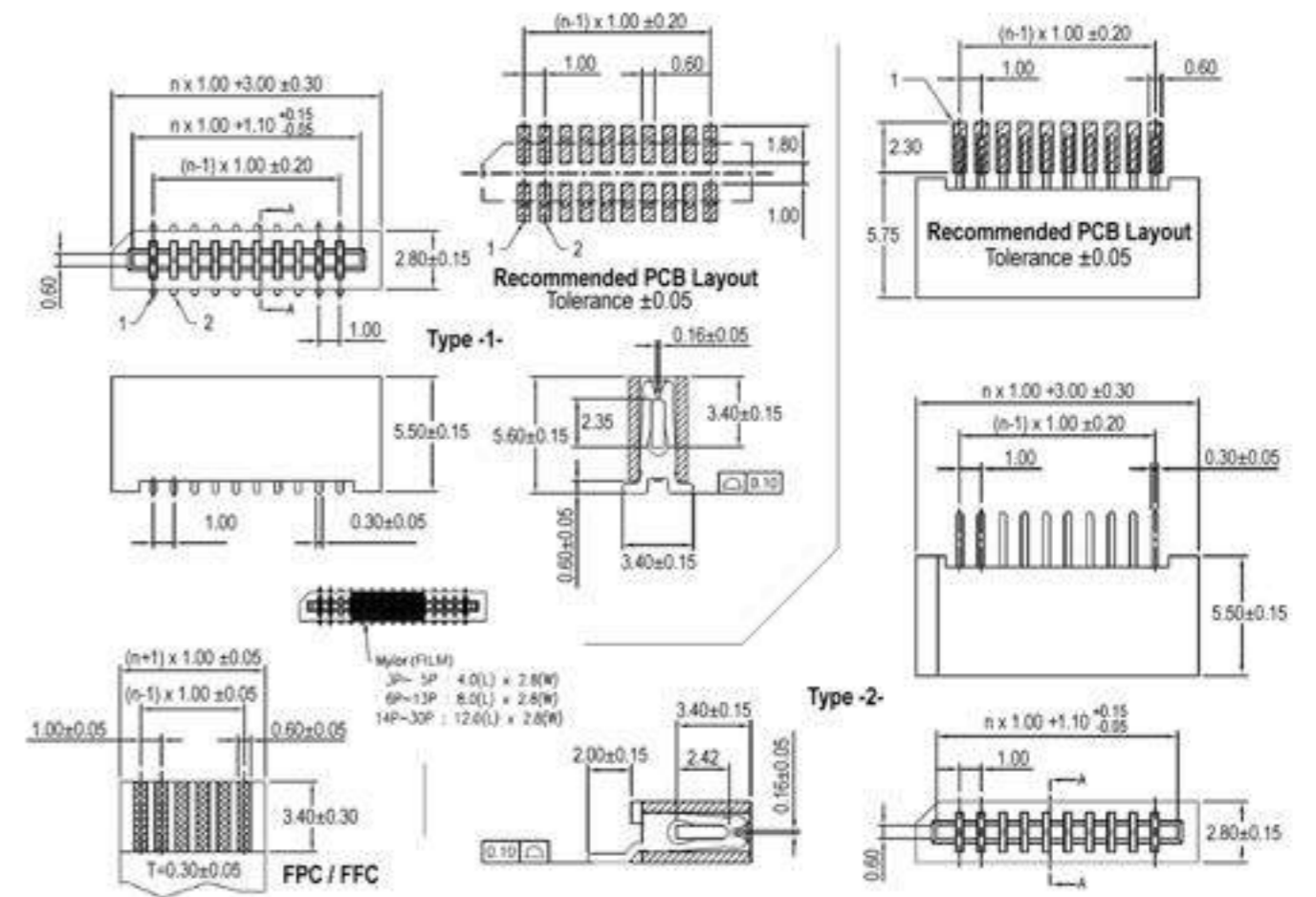
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

Technische Daten / Technical Data

Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Durchgangswiderstand	< 30 mΩ
Contact Resistance	< 30 mΩ
Isolationswiderstand	> 500 MΩ
Insulation Resistance	> 500 MΩ
Spannungsfestigkeit	500 V AC
Test Voltage	500 V AC
Nennstrom	0,5 A
Current Rating	0,5 A
Temperaturbereich	-20 °C ... +85 °C
Temperature Range	-20 °C ... +85 °C
Verarbeitung	Reflow-Lötverfahren
Processing	Reflow soldering



Passendes Flex-Kabel:
Compatible Flex Cables:
599



* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
* This is an **order example** - please replace by your specifications.

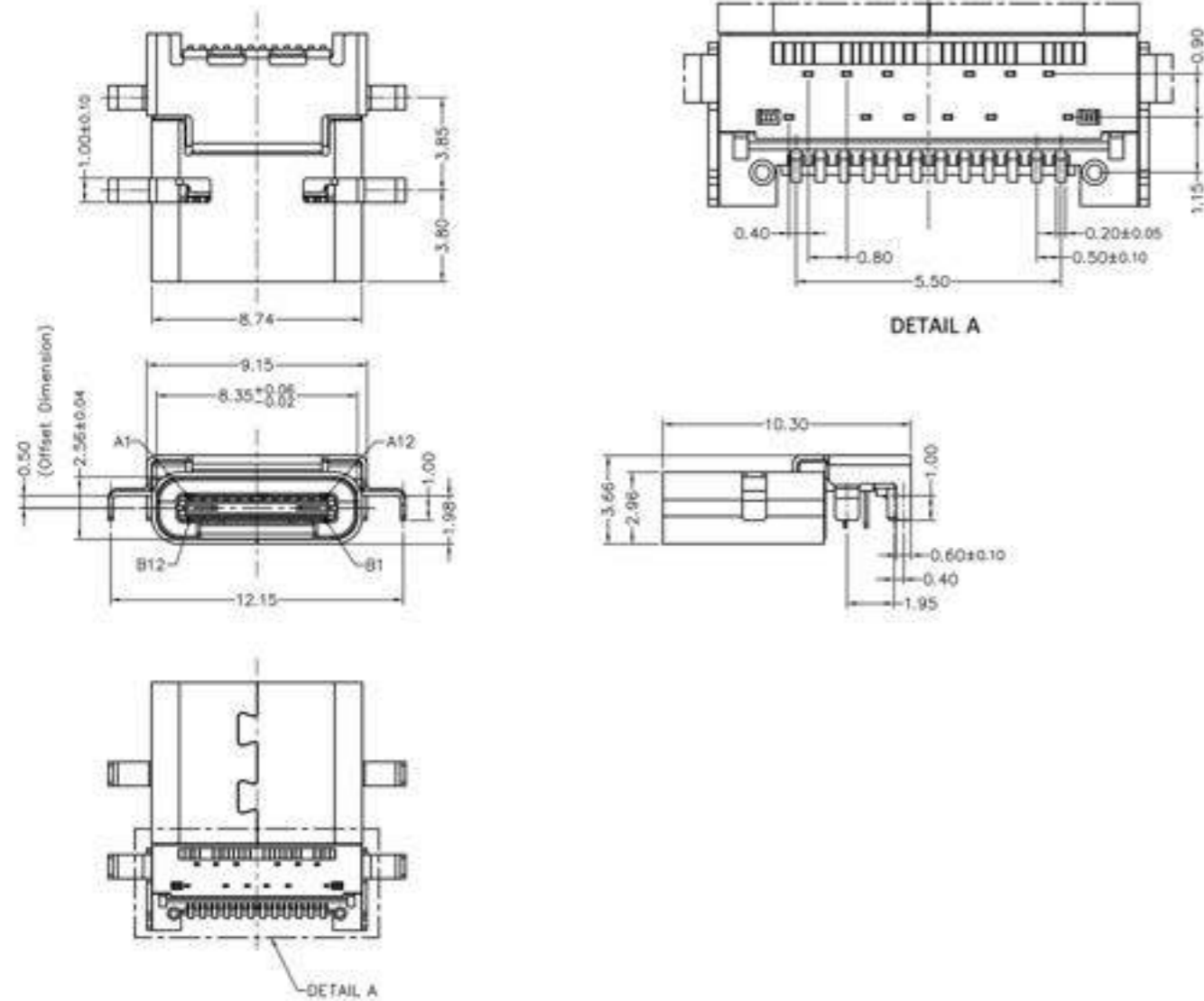
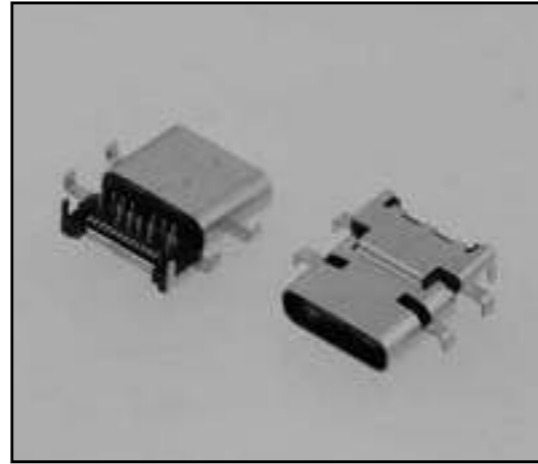
Lieferformen / Packaging Options:
ST In Stangen ohne Pick&Place-Pads / In tubes w/o Pick&Place-Pads
TR (Option) Tape & Reel / Tape & Reel
FTR (Option) Tape & Reel, Film Tape (nur Type 1) / Tape & Reel, Film Pad (Type 1 only)

8320-2-2

USB 3.2 Gen2x2 (vormals 3.1) Steckverbinder, Typ C, liegend, für PCB-Ausschnitt
 USB 3.2 Gen2x2 (formerly 3.1) Connectors, Type C, horizontal, for PCB cut-out

Technische Daten / Technical Data

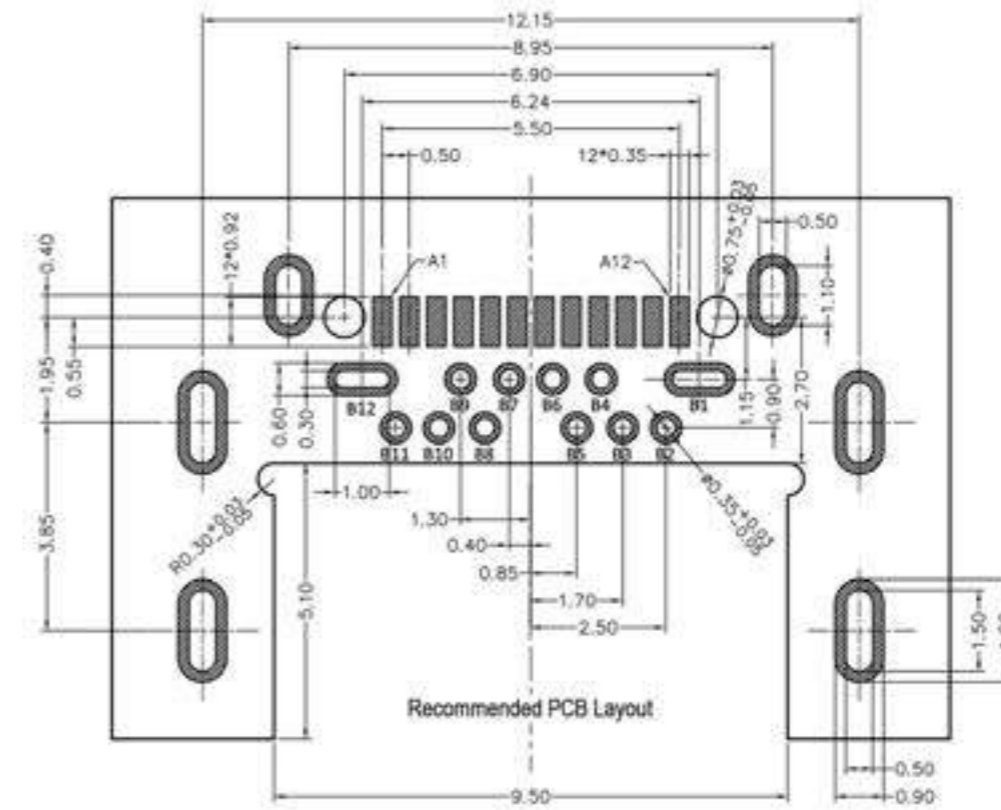
Gehäuse	Stahl vernickelt
Shell	Nickel plated steel
Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktoberfläche	Au 30µ" über Ni
Contact Surface	Au 30µ" over Ni
Oberfläche Lötanschluss	Sn über Ni
Plating Solder Side	Sn over Ni
Durchgangswiderstand	< 40 mΩ
Contact Resistance	< 40 mΩ
Isolationswiderstand	> 100 MΩ
Insulation Resistance	> 100 MΩ
Spannungsfestigkeit	100 V AC
Test Voltage	100 V AC
Nennspannung	30 V
Voltage Rating	30 V
Nennstrom	5 A VBUS, 1,25 A VCONN
Current Rating	5 A VBUS, 1,25 A VCONN
Temperaturbereich	-30 °C ... +85 °C
Temperature Range	-30 °C ... +85 °C



PCB Layout >>

8320-2-2

USB 3.2 Gen2x2 (vormals 3.1) Steckverbinder, Typ C, liegend, für PCB-Ausschnitt
 USB 3.2 Gen2x2 (formerly 3.1) Connectors, Type C, horizontal, for PCB cut-out



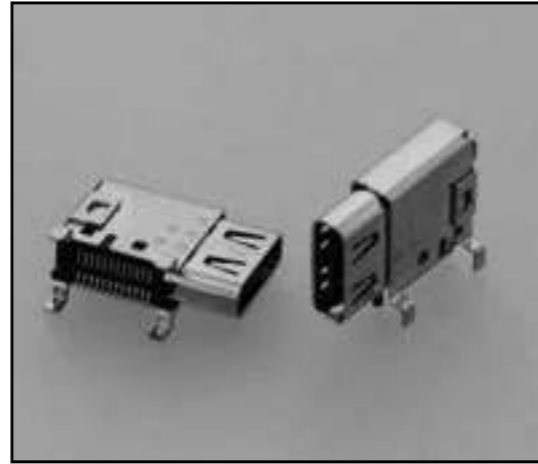
Series	Type	Version	Plating	Package
8320	2	2	80	TR
	2 Für PCB-Ausschnitt For PCB cut-out	2 Type C liegend Type C horizontal	80 Sel. Au 0,75µm / Sn	TR Tape & Reel

8320-3-3

USB 3.2 Gen2x2 (vormals 3.1) Typ C Steckverbinder, vertikal gewinkelt
 USB 3.2 Gen2x2 (formerly 3.1) Type C Connector, upright angled

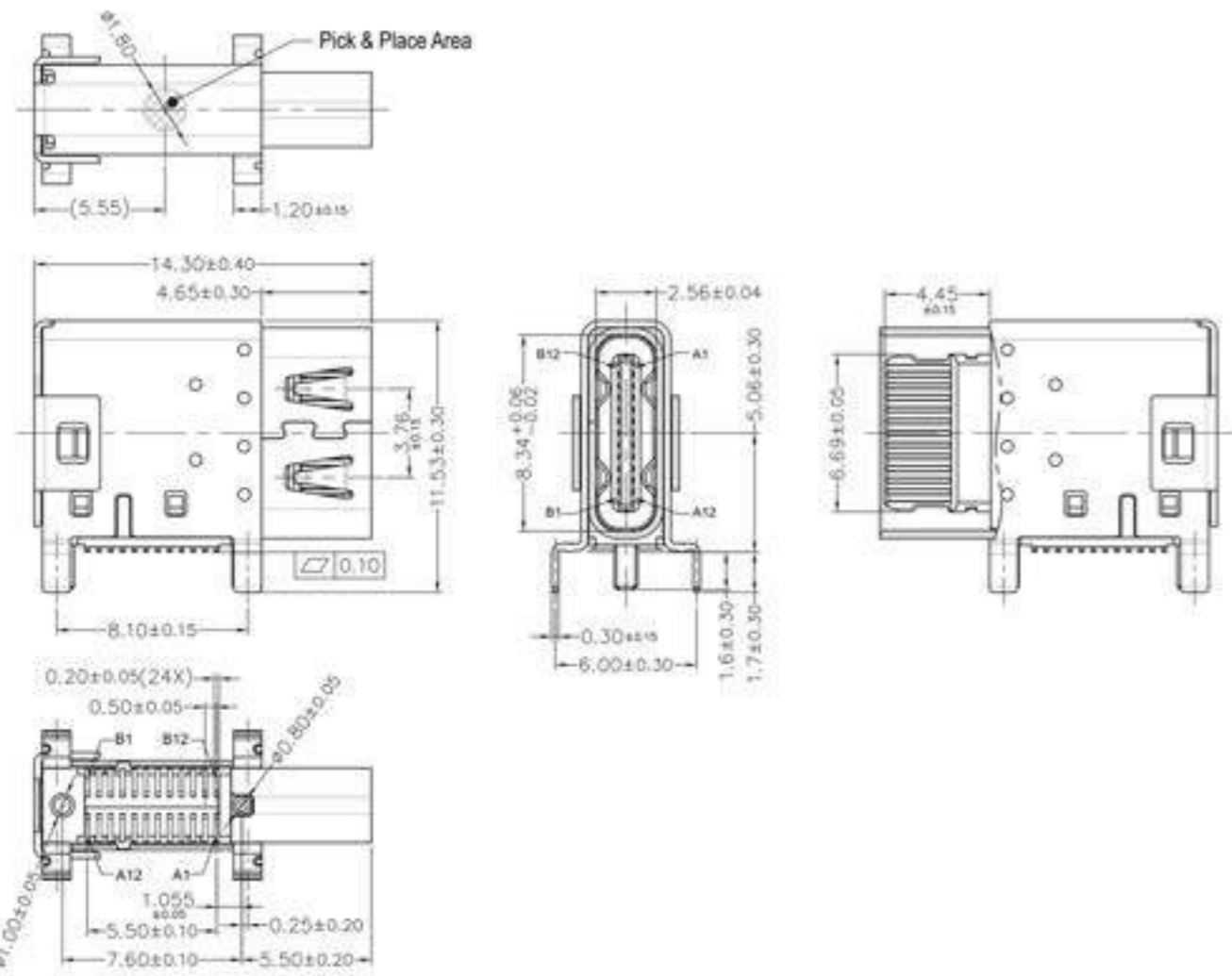
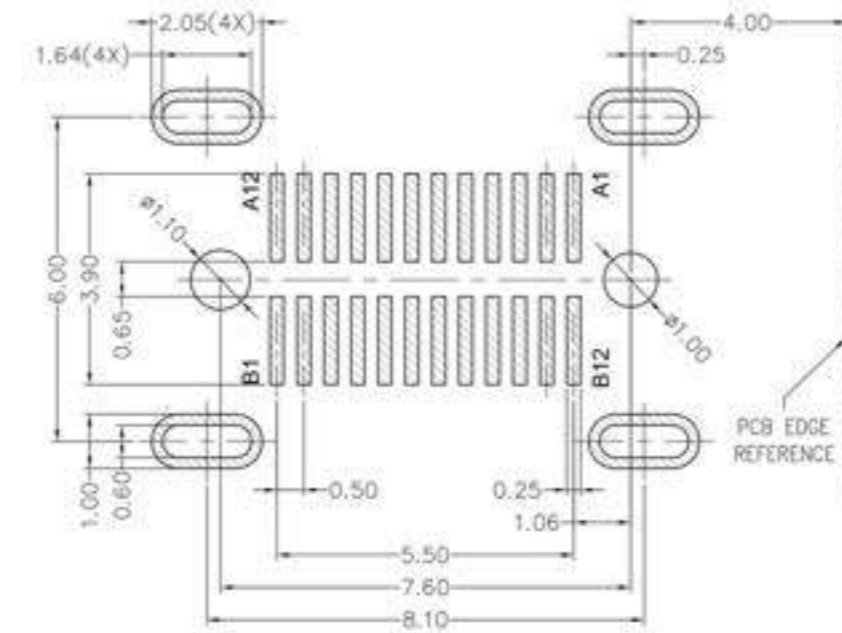
Technische Daten / Technical Data

Gehäuse	Stahl vernickelt
Shell	Nickel plated steel
Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Farbe	Schwarz
Colour	Black
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktoberfläche	Au 30µ" über Ni
Contact Surface	Au 30µ" over Ni
Oberfläche Lötanschluss	Sn über Ni
Plating Solder Side	Sn over Ni
Durchgangswiderstand	< 40 mΩ
Contact Resistance	< 40 mΩ
Isolationswiderstand	> 100 MΩ
Insulation Resistance	> 100 MΩ
Spannungsfestigkeit	100 V AC
Test Voltage	100 V AC
Nennspannung	20 V RMS
Voltage Rating	20 V RMS
Nennstrom	5 A VBUS, 1,25 A VCONN
Current Rating	5 A VBUS, 1,25 A VCONN
Temperaturbereich	-40 °C ... +85 °C
Temperature Range	-40 °C ... +85 °C
Mechanische Lebensdauer	min. 10 000 Schaltvorgänge
Mechanical Life	min. 10 000 operations
Verarbeitung	Reflow-Lötverfahren 245 °C / 20sec
Processing	Reflow soldering 245 °C / 20sec



8320-3-3

USB 3.2 Gen2x2 (vormals 3.1) Typ C Steckverbinder, vertikal gewinkelt
 USB 3.2 Gen2x2 (formerly 3.1) Type C Connector, upright angled



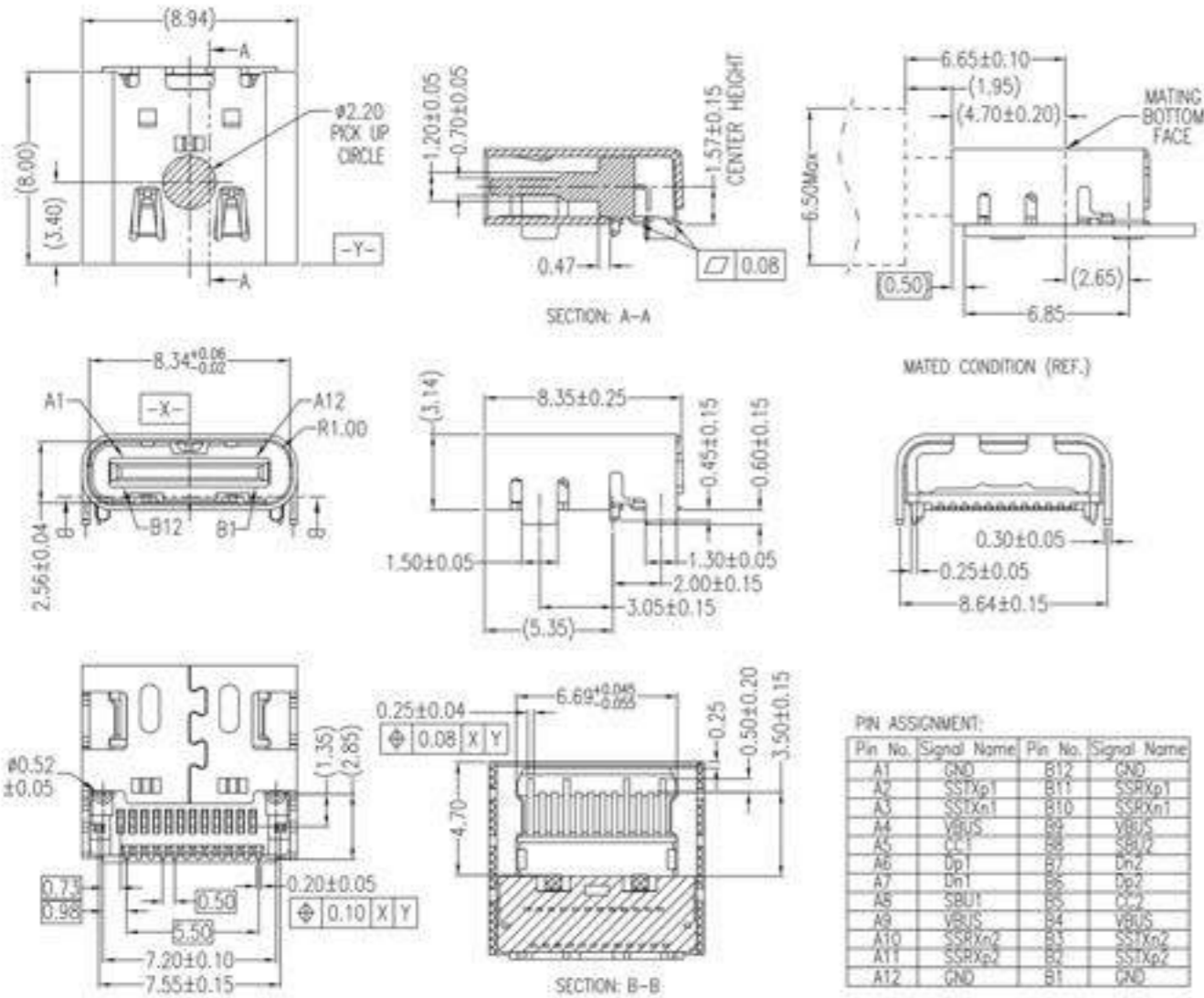
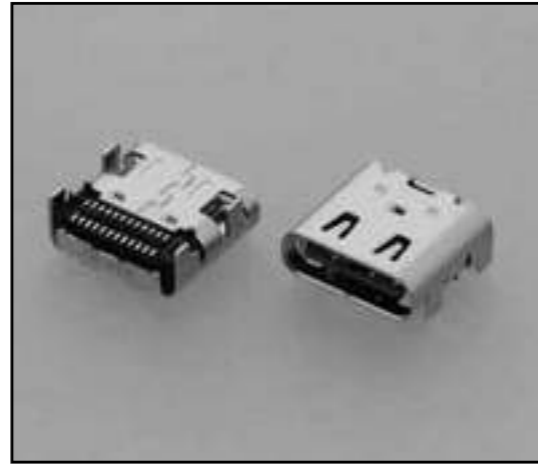
Series	Type	Version	Plating	Packing
8320	3 3 CH = 5.06mm	3 3 Vertikal gewinkelt Upright angled	80 80 Sel. Au 0,75µm / Sn	TR TR Tape & Reel

8340-1

USB 4 V1.0 Typ C SMT-Steckverbinder, horizontal
 USB 4 V1.0 Type C SMT-Connector, horizontal

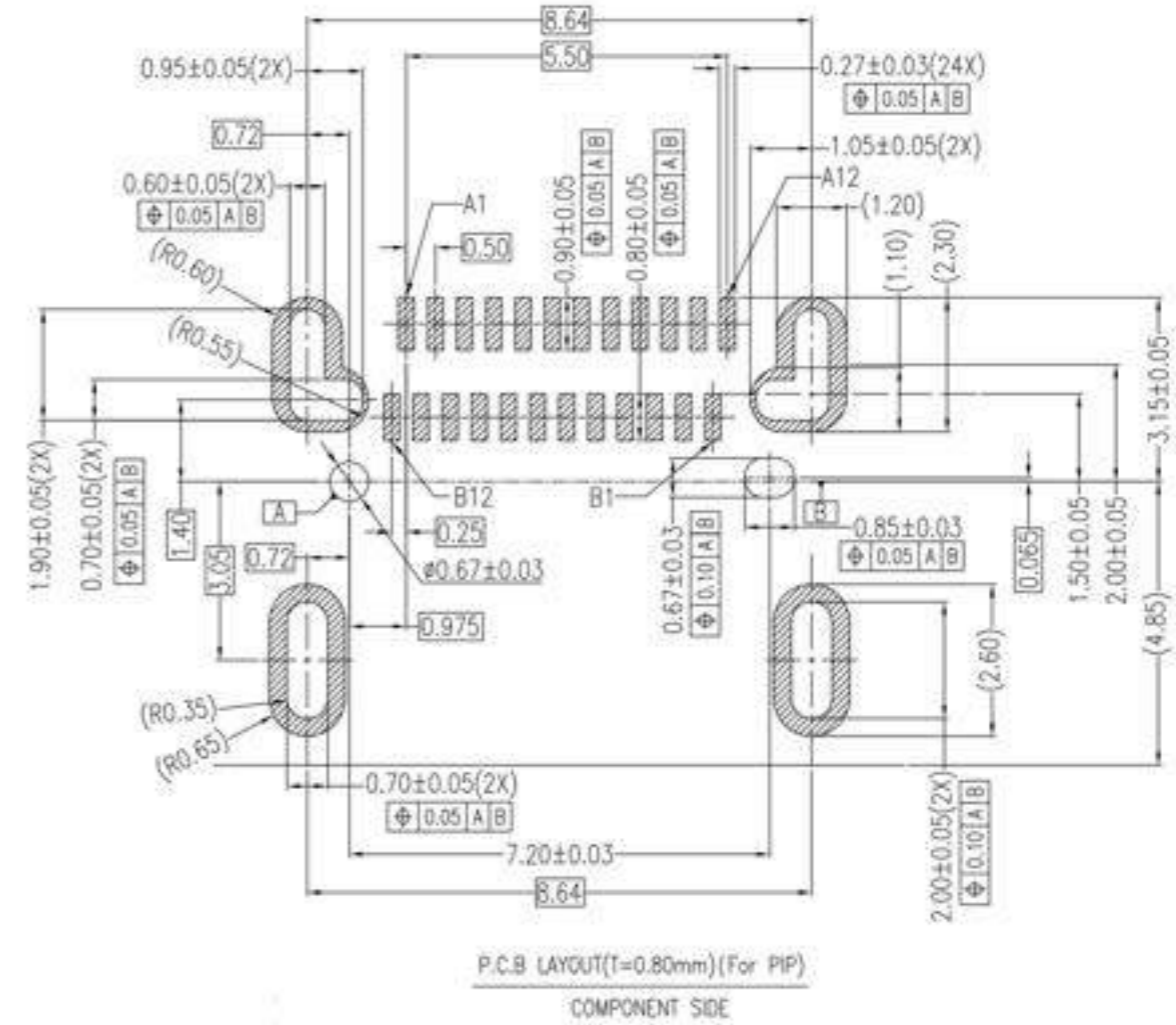
Technische Daten / Technical Data

Gehäuse	Stahl vernickelt
Shell	Steel, nickel plated
Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktfläche	Au 30µ" über Ni
Contact Surface	Au 30µ" over Ni
Oberfläche Lötanschluss	Sn über Ni
Plating Solder Side	Sn over Ni
Durchgangswiderstand	< 40 mΩ
Contact Resistance	< 40 mΩ
Isolationswiderstand	> 100 MΩ
Insulation Resistance	> 100 MΩ
Spannungsfestigkeit	100 V AC
Test Voltage	100 V AC
Nennspannung	20 V
Voltage Rating	20 V
Nennstrom	5 A VBUS, 1,25 A VCONN
Current Rating	5 A VBUS, 1,25 A VCONN
Temperaturbereich	-55 °C ... +85 °C
Temperature Range	-55 °C ... +85 °C
Verarbeitung	Reflow-Lötverfahren 260 °C / 10sec
Processing	Reflow soldering 260 °C / 10sec



8340-1

USB 4 V1.0 Typ C SMT-Steckverbinder, horizontal
 USB 4 V1.0 Type C SMT-Connector, horizontal



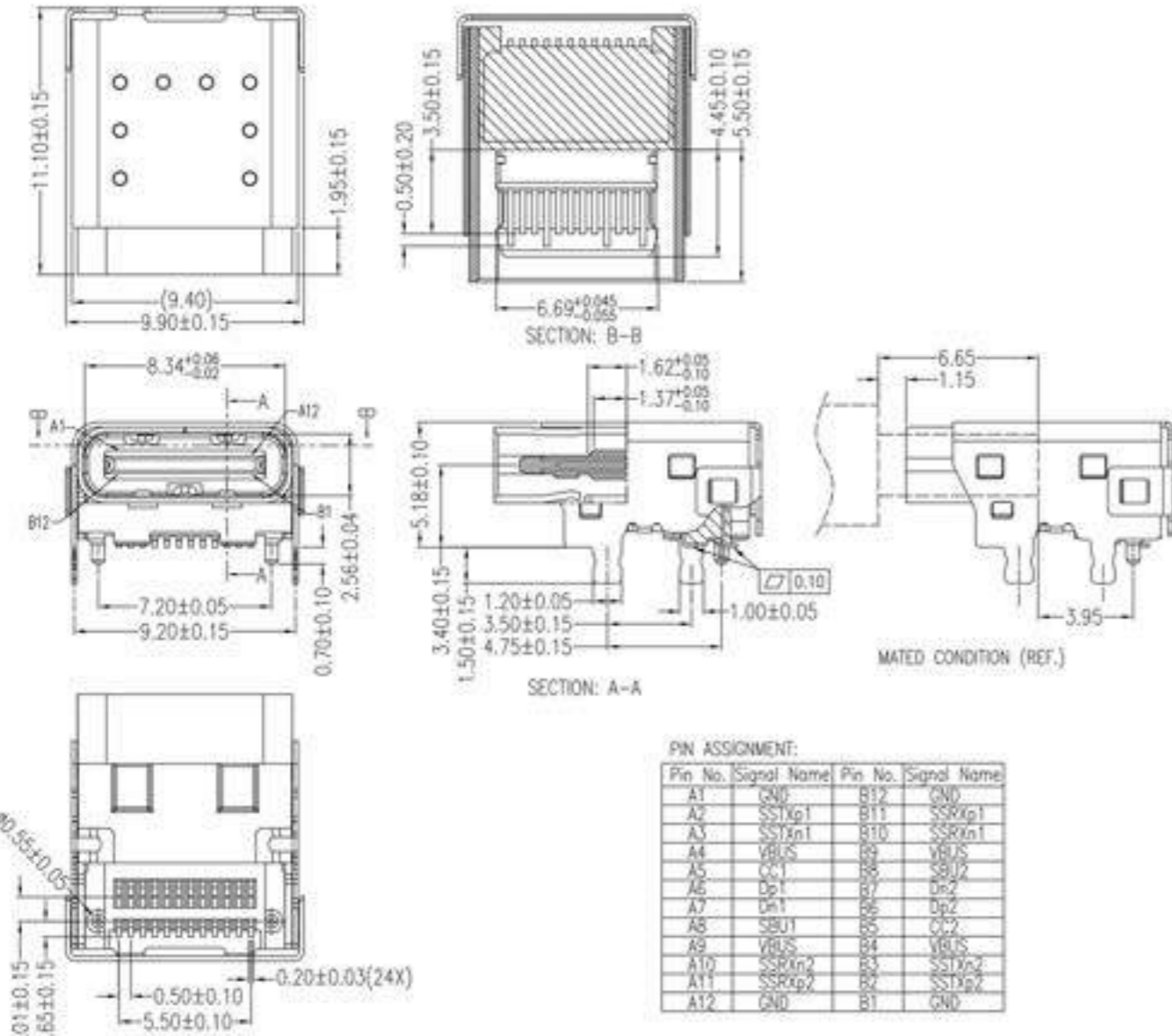
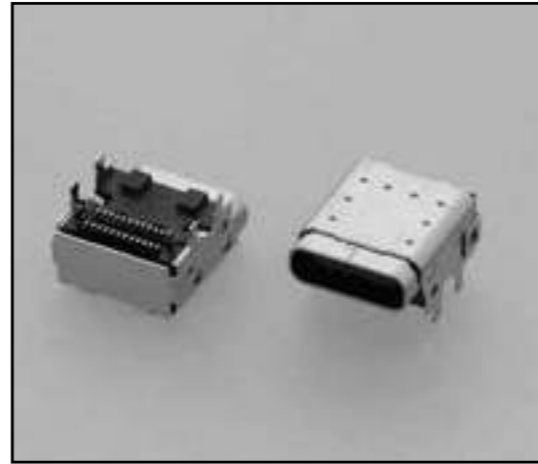
Series	Version	Type	Plating	Packing
8340	1 1 CL = 1.57mm	2 2 Liegend Horizontal	80 80 Sel. Au 0.75µm / Sn	TR TR Tape & Reel

8340-3

USB 4 V1.0 Typ C SMT-Steckverbinder, horizontal
 USB 4 V1.0 Type C SMT-Connector, horizontal

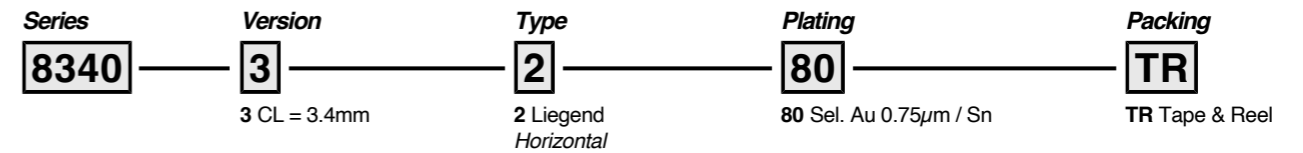
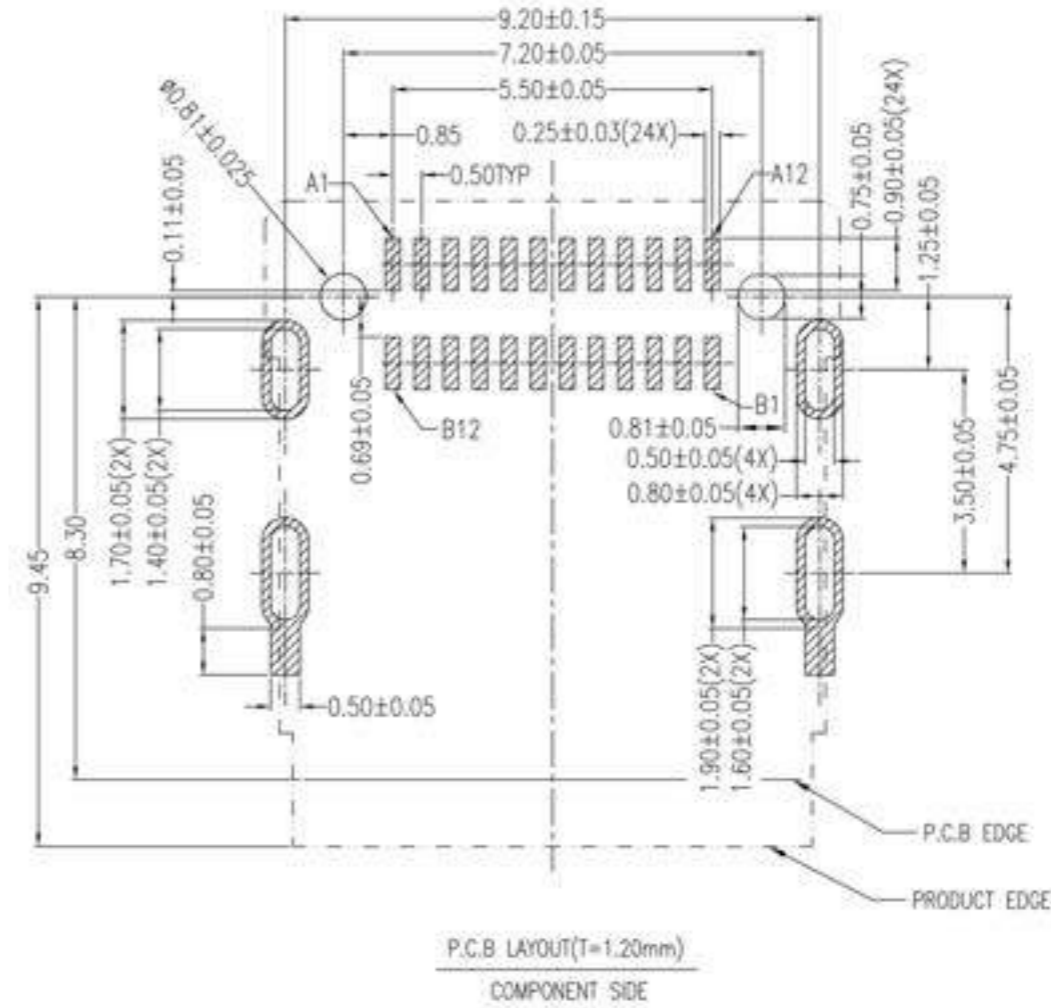
Technische Daten / Technical Data

Gehäuse	Stahl vernickelt
Shell	Steel, nickel plated
Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktoberfläche	Au 30µ" über Ni
Contact Surface	Au 30µ" over Ni
Oberfläche Lötanschluss	Sn über Ni
Plating Solder Side	Sn over Ni
Durchgangswiderstand	< 40 mΩ
Contact Resistance	< 40 mΩ
Isolationswiderstand	> 100 MΩ
Insulation Resistance	> 100 MΩ
Spannungsfestigkeit	100 V AC
Test Voltage	100 V AC
Nennspannung	20 V
Voltage Rating	20 V
Nennstrom	5 A VBUS, 1,25 A VCONN
Current Rating	5 A VBUS, 1,25 A VCONN
Temperaturbereich	-55 °C ... +85 °C
Temperature Range	-55 °C ... +85 °C
Mechanische Lebensdauer	10.000 Steckzyklen min.
Mechanical Life	10.000 operation cycles min.
Verarbeitung	Reflow-Lötverfahren 260 °C / 10sec
Processing	Reflow soldering 260 °C / 10sec



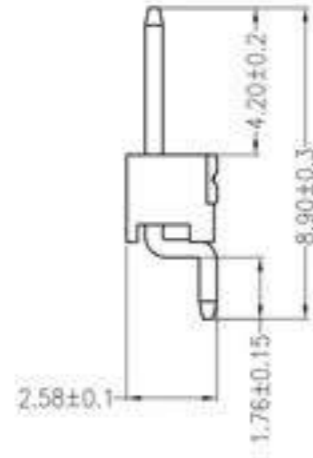
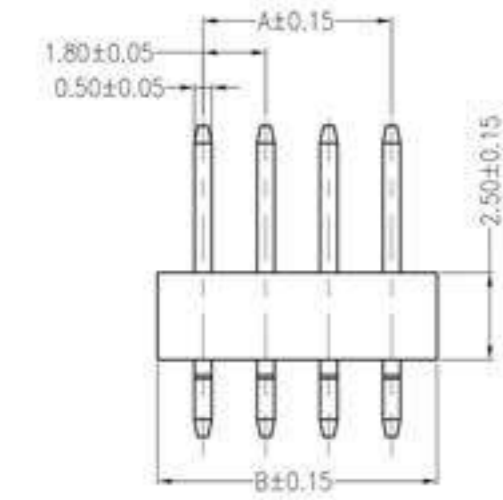
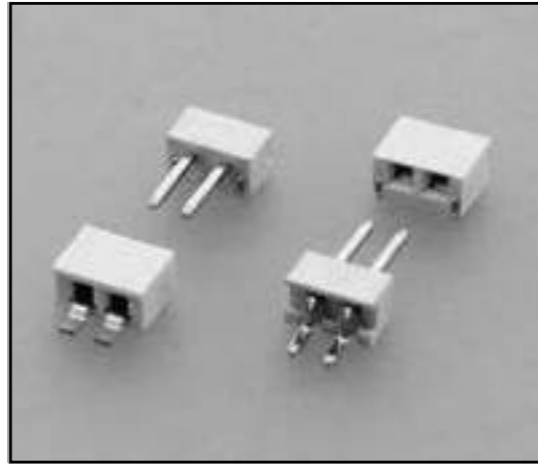
8340-3

USB 4 V1.0 Typ C SMT-Steckverbinder, horizontal
 USB 4 V1.0 Type C SMT-Connector, horizontal

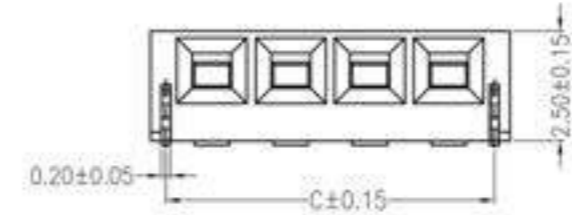
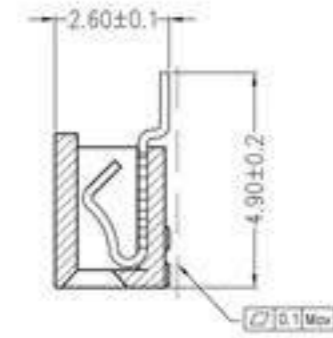
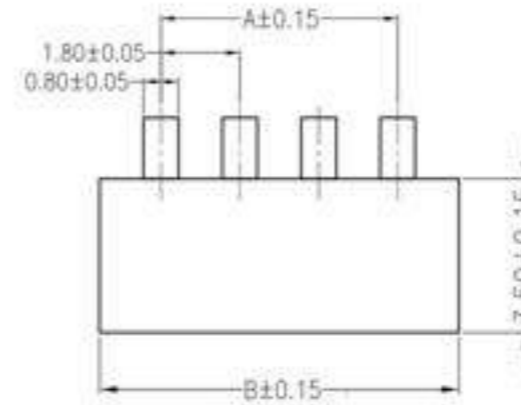
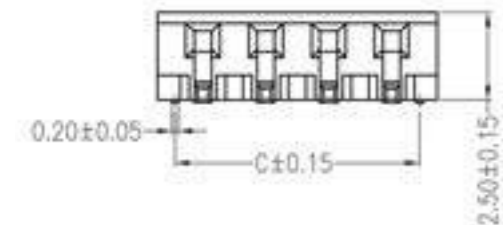


Technische Daten / Technical Data

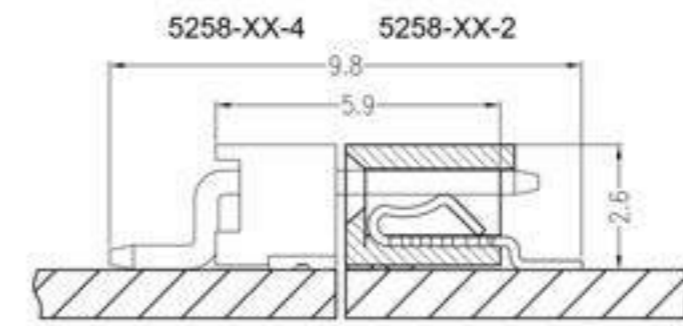
Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Farbe <i>Colour</i>	Beige <i>Beige</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktfläche <i>Contact Surface</i>	Lt. Oberflächenoptionen, über Ni <i>Acc. to options (see below), over Ni</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ <i>< 20 mΩ</i>
Isolationswiderstand <i>Insulation Resistance</i>	> 800 MΩ <i>> 800 MΩ</i>
Spannungsfestigkeit <i>Test Voltage</i>	800 V AC <i>800 V AC</i>
Nennspannung <i>Voltage Rating</i>	125 V AC/DC <i>125 V AC/DC</i>
Nennstrom <i>Current Rating</i>	1 A AC/DC <i>1 A AC/DC</i>
Temperaturbereich <i>Temperature Range</i>	-25 °C ... +105 °C <i>-25 °C ... +105 °C</i>
Verarbeitung	Stiftleiste 260 °C für 5s max. Buchsenleiste 260 °C für 20s max. <i>Pin Header 260 °C for 5s max. Female Header 260 °C for 20s max.</i>
Processing	



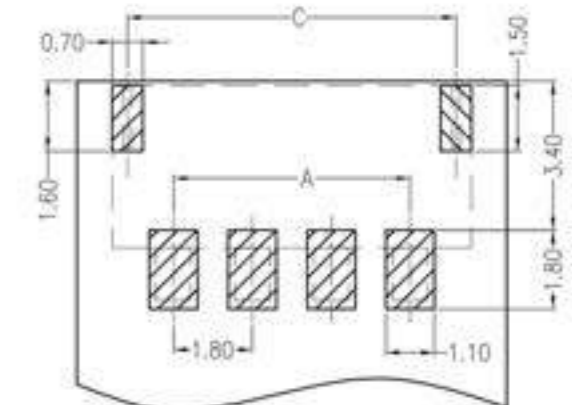
PII	DIM-A	DIM-B	DIM-C
02	A=1.80	B=4.40	C=3.40
03	A=3.60	B=6.20	C=5.20
04	A=5.40	B=8.00	C=7.00



PII	DIM-A	DIM-B	DIM-C
02	A=1.80	B=4.60	C=3.90
03	A=3.60	B=6.40	C=5.70
04	A=5.40	B=8.20	C=7.50



Assembly



Recommended PCB Layout

Series **5258** — **Contacts*** **03** — **Type*** **4** — **Plating** **50** — **Packing** **TR**
 02-04 Teilbestückt auf Anfrage Partly loaded on request
 4 Stiftleiste liegend Pin header horizontal
 2 Buchsenleiste liegend Female header horizontal
 50 Sn
 TR Tape&Reel Verpackung Tape&Reel Packaging

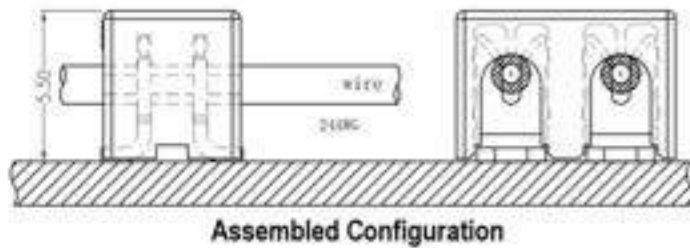
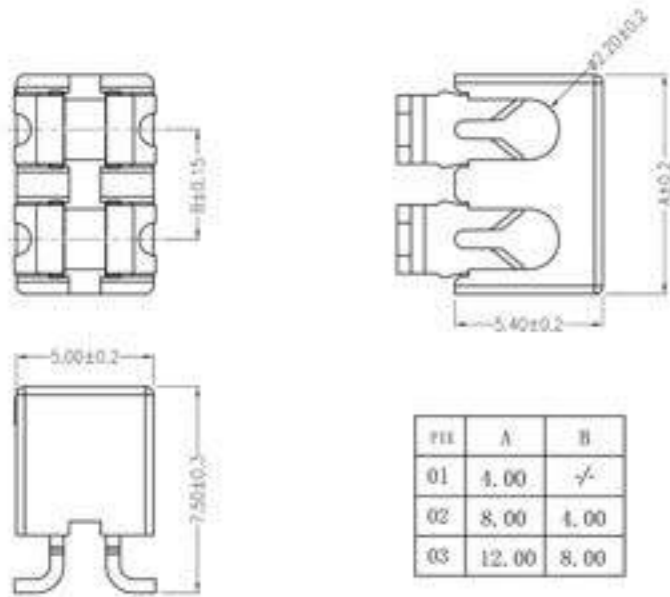
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

5263

SMT LED-Verbinder RM 4mm - IDC, AWG 24
SMT LED-Connectors 4mm Pitch - IDC, AWG 24

Technische Daten / Technical Data

Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Farbe <i>Colour</i>	Beige <i>Beige</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktfläche <i>Contact Surface</i>	Verzinkt <i>Tin plated</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ <i>< 20 mΩ</i>
Isolationswiderstand <i>Insulation Resistance</i>	> 800 MΩ <i>> 800 MΩ</i>
Spannungsfestigkeit <i>Test Voltage</i>	1500 V AC <i>1500 V AC</i>
Nennspannung <i>Voltage Rating</i>	250 V AC/DC <i>250 V AC/DC</i>
Nennstrom <i>Current Rating</i>	2 A <i>2 A</i>
Temperaturbereich <i>Temperature Range</i>	-40 °C ... +120 °C <i>-40 °C ... +120 °C</i>
Verarbeitung <i>Processing</i>	Wellen- oder Reflow-Lötverfahren <i>Wave or reflow soldering</i>



Series **5263** — **Contacts*** **02** — **AWG** **24** — **Plating** **50** — **Packing** **TR**
01-03 24 AWG 24 50 Sn TR Tape&Reel

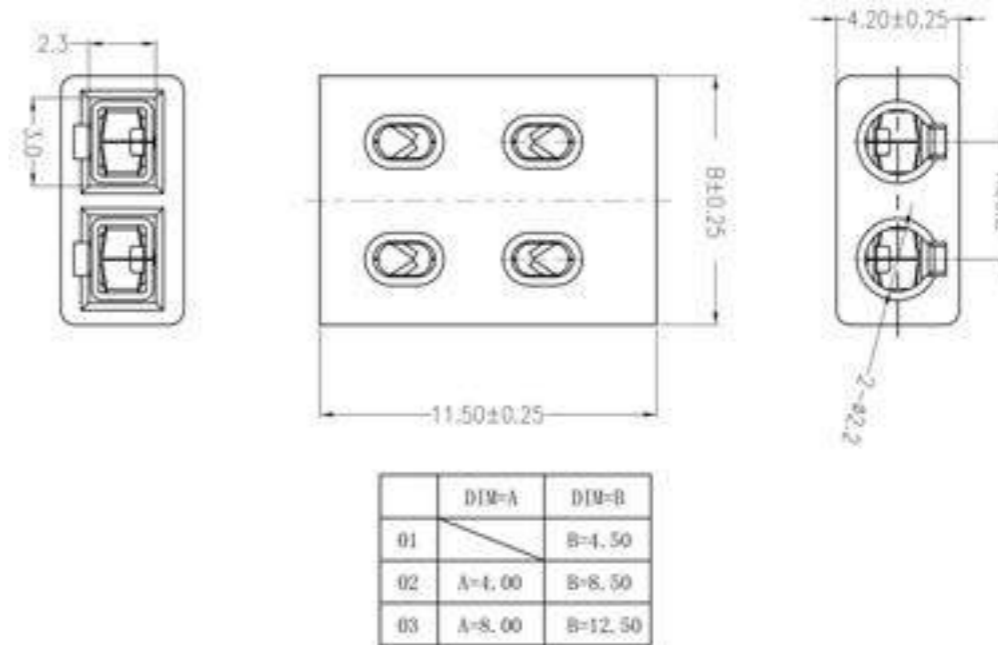
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

5266

LED-Verbinder RM 4mm - fliegender Klemmenblock, AWG 24-22
LED-Connectors 4mm Pitch - Wire-to-Wire Terminal Block, AWG 24-22

Technische Daten / Technical Data

Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Farbe <i>Colour</i>	Beige <i>Beige</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktfläche <i>Contact Surface</i>	Verzinkt <i>Tin plated</i>
Aderquerschnitt <i>Applicable wire Gauge</i>	AWG 24 ~ 22 <i>AWG 24 ~ 22</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ <i>< 20 mΩ</i>
Isolationswiderstand <i>Insulation Resistance</i>	> 1000 MΩ <i>> 1000 MΩ</i>
Spannungsfestigkeit <i>Test Voltage</i>	1000 V AC <i>1000 V AC</i>
Nennspannung <i>Voltage Rating</i>	275 V AC/DC <i>275 V AC/DC</i>
Nennstrom <i>Current Rating</i>	1 A <i>1 A</i>
Temperaturbereich <i>Temperature Range</i>	-40 °C ... +110 °C <i>-40 °C ... +110 °C</i>



Series **5266** — **Contacts*** **02** — **Colour** **20** — **Plating** **50**
01-03 20 Beige
Beige 50 Sn

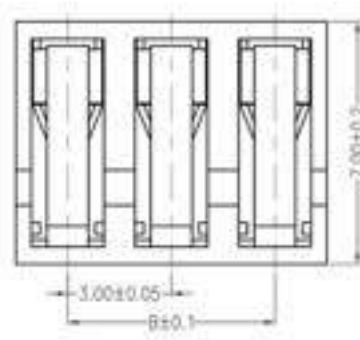
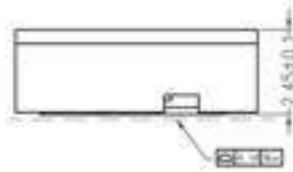
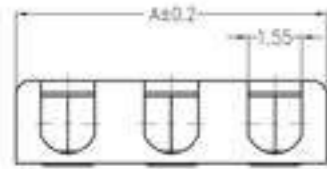
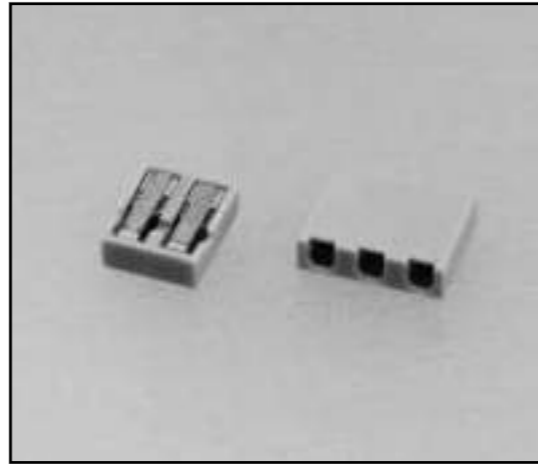
* Dies ist ein **Bestellbeispiel** - bitte durch Ihre Spezifikationen ersetzen.
 * This is an **order example** - please replace by your specifications.

5267

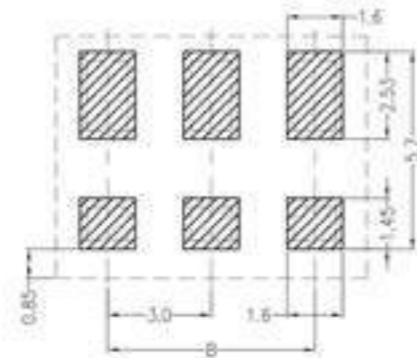
SMT LED-Verbinder RM 3mm - Klemmenblock, AWG 22-26 SMT LED-Connectors 3mm Pitch - Terminal Block, AWG 22-26

Technische Daten / Technical Data

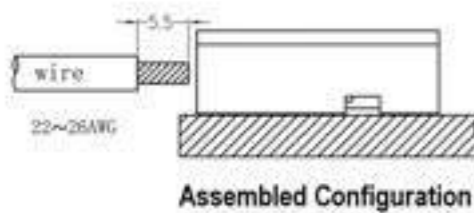
Isolierkörper <i>Insulator</i>	Thermoplast, nach UL94 V-0 <i>Thermoplastic, rated UL94 V-0</i>
Farbe <i>Colour</i>	Beige <i>Beige</i>
Kontaktmaterial <i>Contact Material</i>	Kupferlegierung <i>Copper alloy</i>
Kontaktfläche <i>Contact Surface</i>	Verzinkt <i>Tin plated</i>
Aderquerschnitt <i>Applicable wire Gauge</i>	AWG 26 ~ 22 <i>AWG 26 ~ 22</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ <i>< 20 mΩ</i>
Isolationswiderstand <i>Insulation Resistance</i>	> 800 MΩ <i>> 800 MΩ</i>
Spannungsfestigkeit <i>Test Voltage</i>	1500 V AC <i>1500 V AC</i>
Nennspannung <i>Voltage Rating</i>	250 V AC/DC <i>250 V AC/DC</i>
Nennstrom <i>Current Rating</i>	2 A <i>2 A</i>
Temperaturbereich <i>Temperature Range</i>	-40 °C ... +110 °C <i>-40 °C ... +110 °C</i>
Verarbeitung <i>Processing</i>	260 °C für 5s max. <i>260 °C for 5s max.</i>



PIN	1	2
01	5.00	
02	6.00	5.00
03	9.00	6.00



Recommended PCB Layout



Assembled Configuration

Series 5267	Contacts* 03 01-03	Type 2 2 Legend Horizontal	Colour 20 20 Beige	Plating 50 50 Sn	Packing TR TR Tape & Reel
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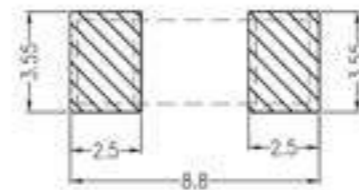
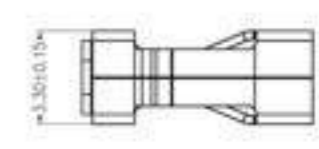
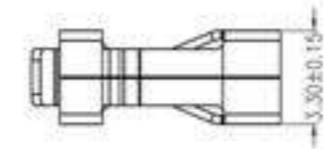
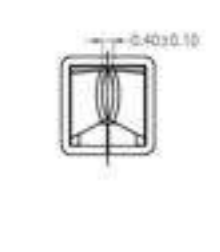
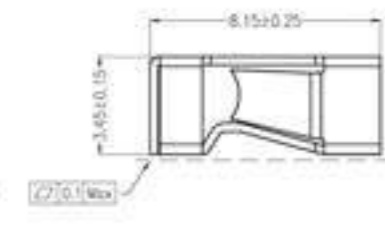
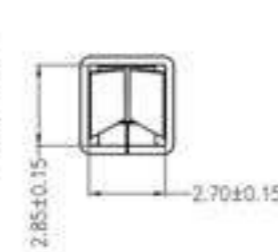
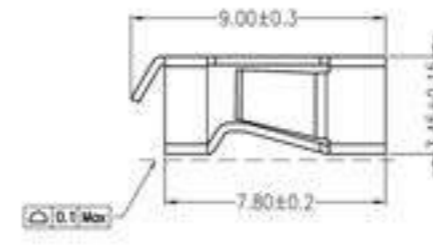
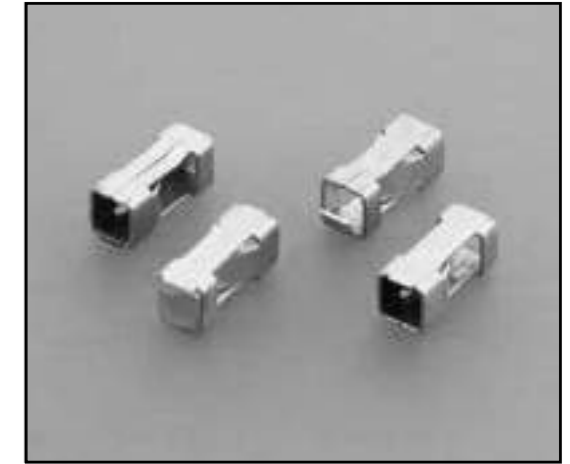
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

5941

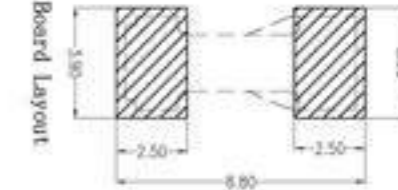
SMT LED-Klemme - Einzelkontakt AWG 16-20 SMT LED-Terminal - Single Contact AWG 16-20

Technische Daten / Technical Data

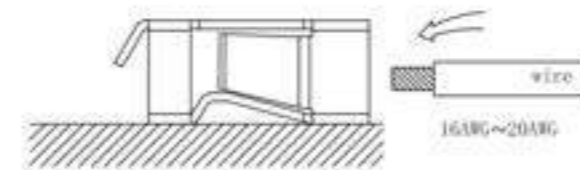
Kontaktmaterial <i>Contact Material</i>	Phosphorbronze <i>Phosphor bronze</i>
Kontaktfläche <i>Contact Surface</i>	Verzinkt <i>Tin plated</i>
Durchgangswiderstand <i>Contact Resistance</i>	< 20 mΩ <i>< 20 mΩ</i>
Nennspannung <i>Voltage Rating</i>	250 V AC/DC <i>250 V AC/DC</i>
Nennstrom <i>Current Rating</i>	3 A <i>3 A</i>
Temperaturbereich <i>Temperature Range</i>	-45 °C ... +125 °C <i>-45 °C ... +125 °C</i>
Verarbeitung <i>Processing</i>	Wellen- oder Reflow-Lötverfahren <i>Wave or reflow soldering</i>



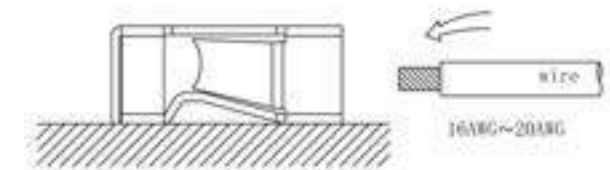
Recommended PCB Layout



Recommended PCB Layout



Assembled Configuration



Assembled Configuration

Series 5941	Contacts 01	AWG 2 2 AWG 16 - 20	Type* 1 0 Offen Open 1 Geschlossen Closed	Plating 50 50 Sn	Packing TR TR Tape & Reel
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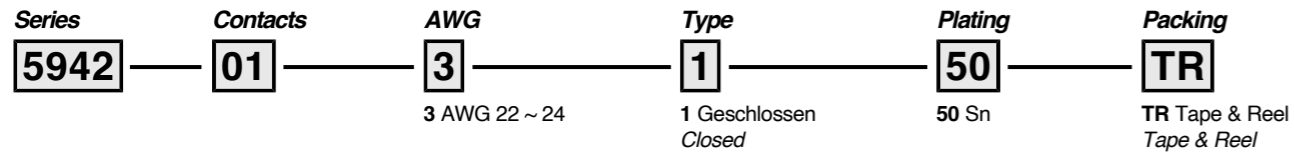
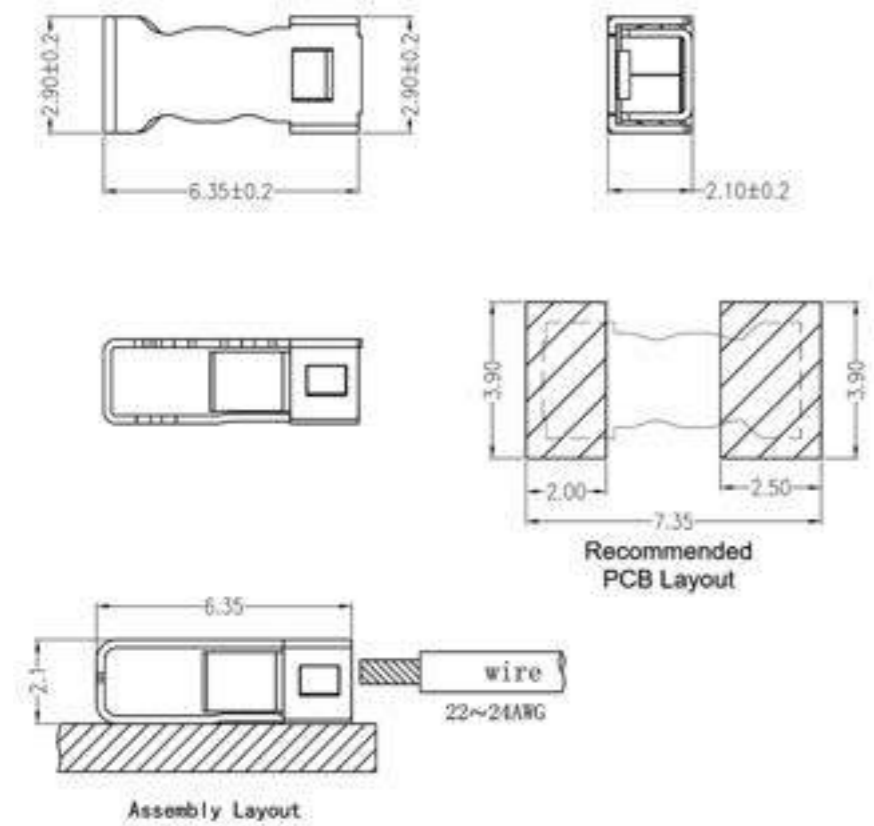
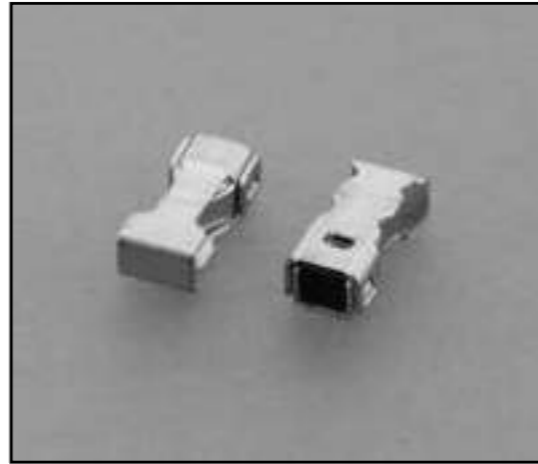
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

5942

SMT LED-Klemme - geschlossener Einzelkontakt AWG 22-24 SMT LED-Terminals - Closed Single Contact AWG 22-24

Technische Daten / Technical Data

Kontaktmaterial	Phosphorbronze
Contact Material	Phosphor bronze
Kontaktoberfläche	Verzinkt
Contact Surface	Tin plated
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Spannungsfestigkeit	1500 V AC
Test Voltage	1500 V AC
Nennspannung	250 V AC/DC
Voltage Rating	250 V AC/DC
Nennstrom	2 A
Current Rating	2 A
Temperaturbereich	-45 °C ... +125 °C
Temperature Range	-45 °C ... +125 °C
Verarbeitung	Wellen- oder Reflow-Lötverfahren
Processing	Wave or reflow soldering

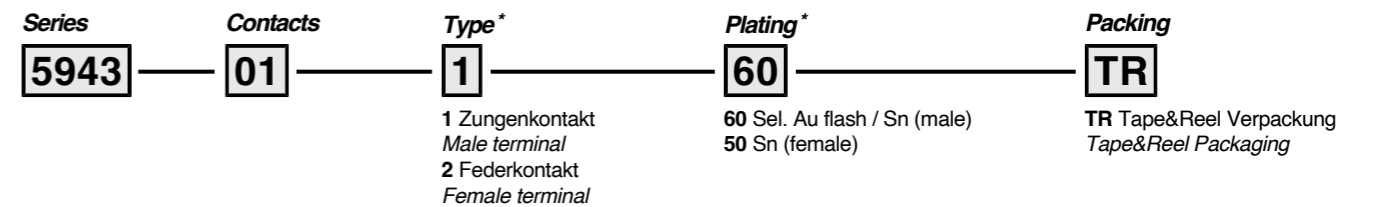
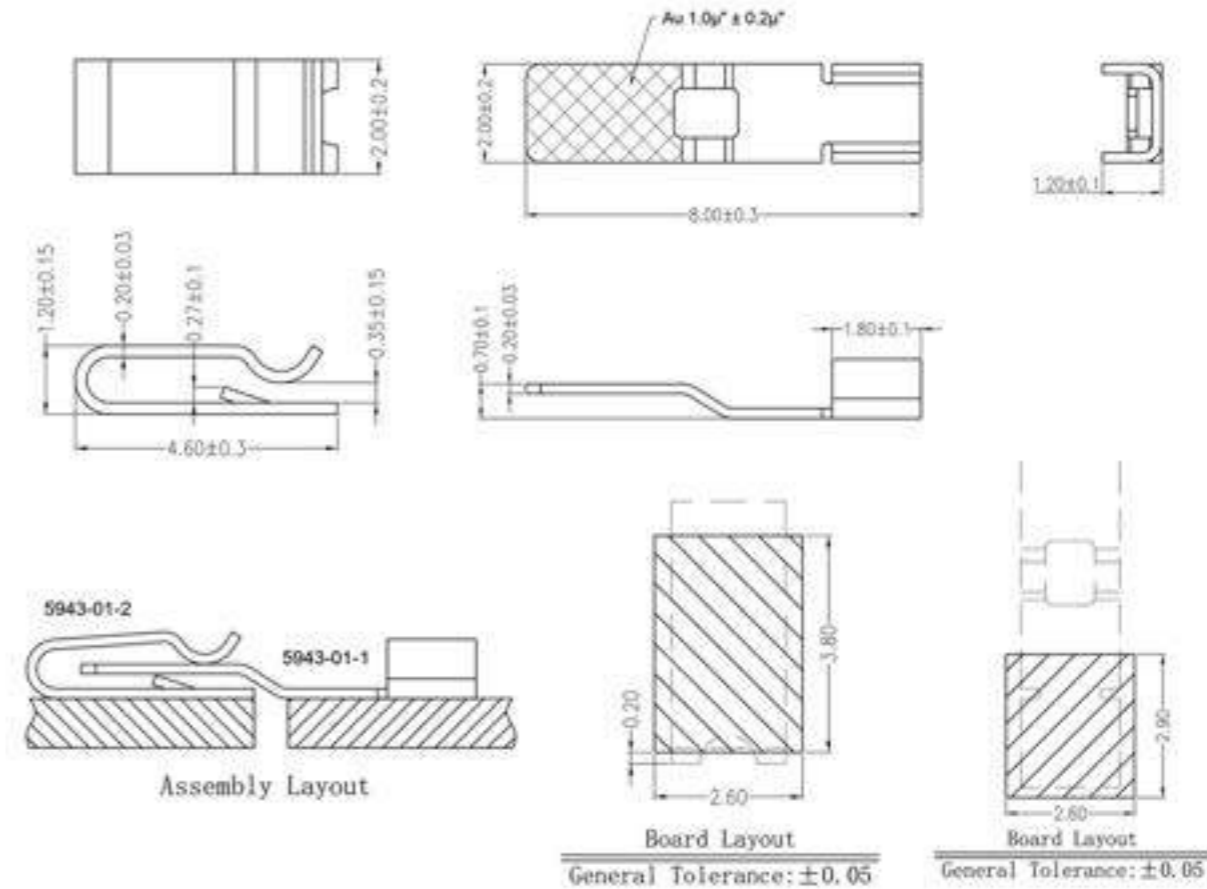
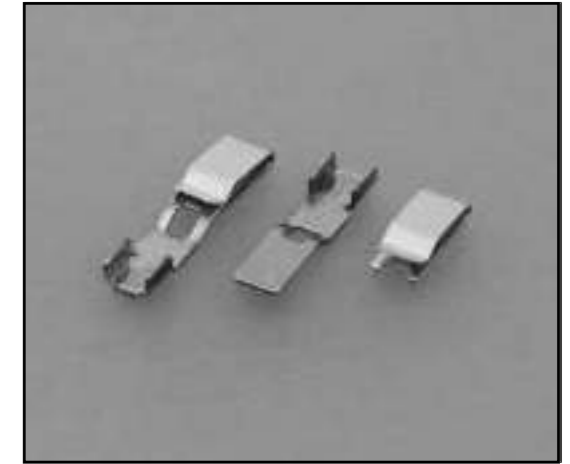


5943

SMT LED-Verbinder SMT LED Connectors

Technische Daten / Technical Data

Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktoberfläche	Lt. Oberflächenoptionen, über Ni
Contact Surface	Acc. to options (see below), over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Nennspannung	250 V AC/DC
Voltage Rating	250 V AC/DC
Nennstrom	3 A AC/DC
Current Rating	3 A AC/DC
Temperaturbereich	-45 °C ... +125 °C
Temperature Range	-45 °C ... +125 °C
Verarbeitung	Wellen- oder Reflow-Lötverfahren
Processing	Wave or reflow soldering



* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

wpro.com/serie-XXX
wpro.com/serie-XXX

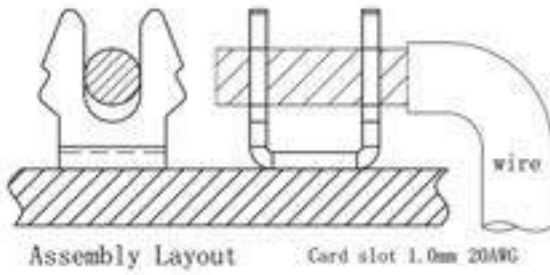
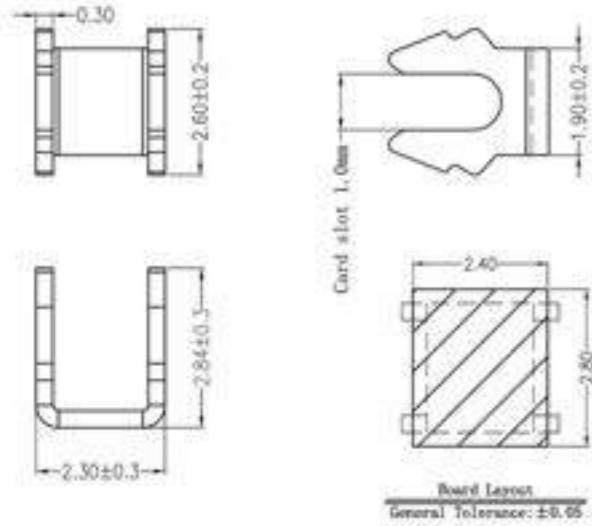
Design- und technische Änderungen auch ohne vorherige Ankündigung vorbehalten.
Design and/or technical specifications may change without prior notice.

5944

SMT LED-Einzelkontakt liegend - IDC, AWG 20 SMT LED Horizontal Single Terminals - IDC, AWG 20

Technische Daten / Technical Data

Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktoberfläche	Verzinkt
Contact Surface	Tin plated
Aderquerschnitt	AWG 20
Applicable wire Gauge	AWG 20
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Nennspannung	250 V AC/DC
Voltage Rating	250 V AC/DC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-45 °C ... +125 °C
Temperature Range	-45 °C ... +125 °C
Verarbeitung	Reflow-Lötverfahren
Processing	Reflow soldering



Series	Contacts	AWG	Plating	Packing*
5944	01	20 20 AWG 20	50 50 Sn	TR TR Tape & Reel Tape & Reel

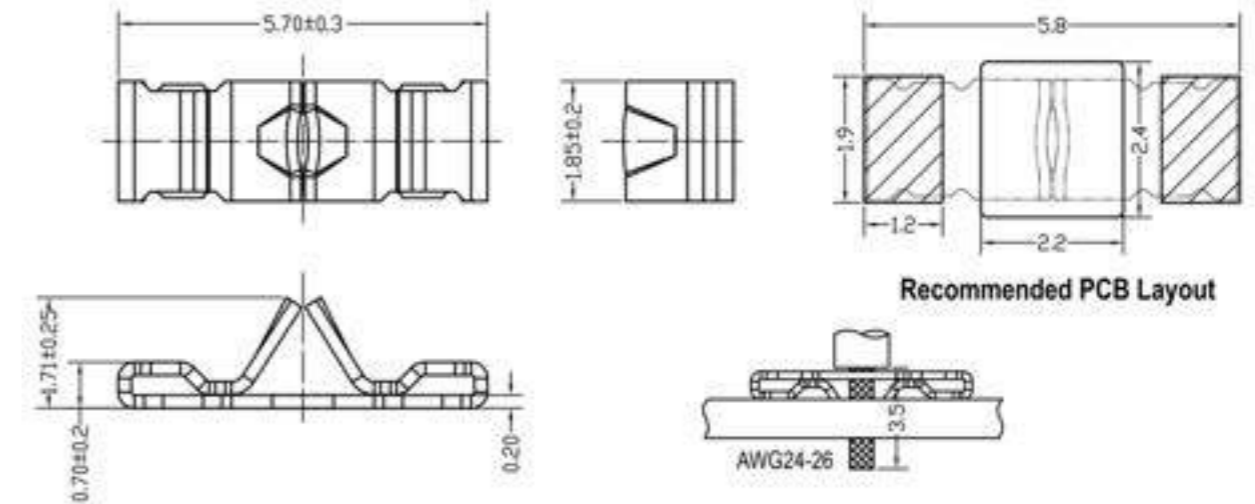
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

5945

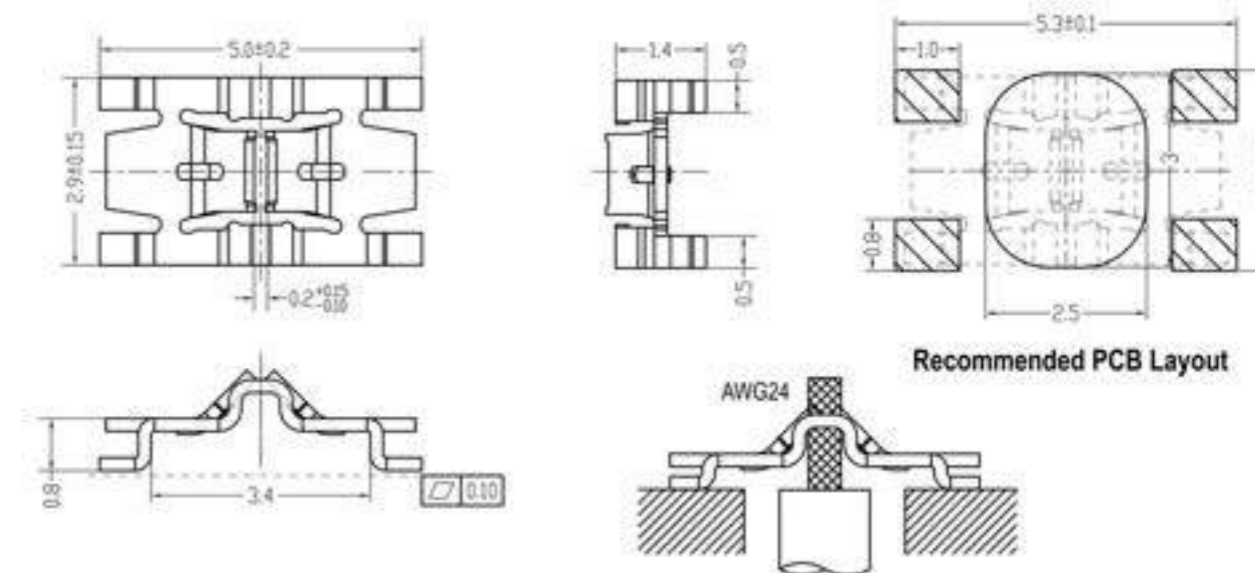
SMT LED Einzelkontakt vertikal oben/unten - AWG 24-26 SMT LED Vertical Single Terminal top/bottom - AWG 24-26

Technische Daten / Technical Data

Kontaktmaterial	Phosphorbronze
Contact Material	Phosphor bronze
Kontaktoberfläche	Verzinkt
Contact Surface	Tin plated
Durchgangswiderstand	< 30 mΩ
Contact Resistance	< 30 mΩ
Nennspannung	250 V AC/DC
Voltage Rating	250 V AC/DC
Nennstrom	1 A
Current Rating	1 A
Temperaturbereich	-40 °C ... +125 °C
Temperature Range	-40 °C ... +125 °C
Verarbeitung	Wellen- oder Reflow-Lötverfahren
Processing	Wave or reflow soldering



Series	Contacts	Type*	AWG*	Plating	Packing
5945	01	10 10 Top entry	2426 2426 AWG 24 ~ 26	50 50 Sn	TR TR Tape&Reel



Series	Contacts	Type*	AWG*	Plating	Packing
5945	01	11 11 Bottom entry	24 24 AWG 24	50 50 Sn	TR TR Tape&Reel

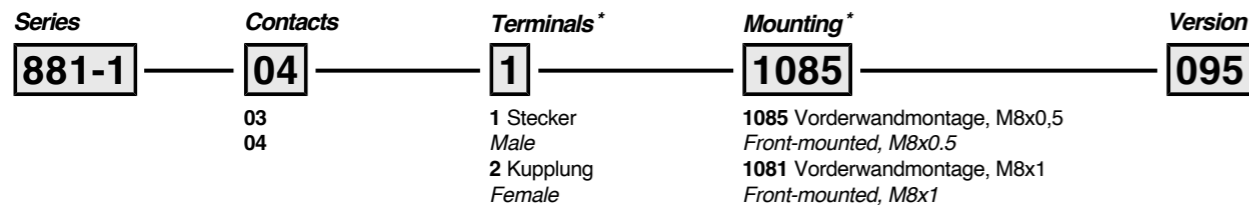
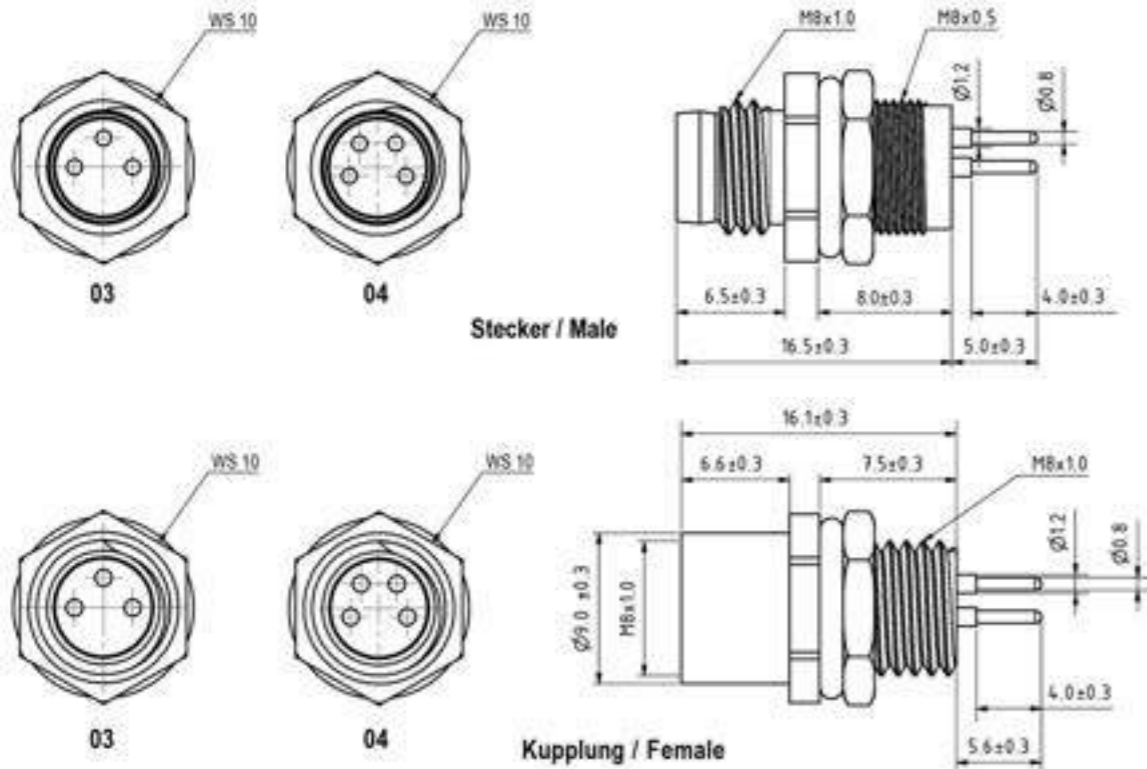
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
* This is an order example - please replace by your specifications.

881-1

M8 Einbaustecker & -kupplungen mit Einlötkontakten M8 Male & Female Connectors with Solder Pins

Technische Daten / Technical Data

Material Isokörper Thermoplast
 Insulator Material Thermoplastic
 Material Gehäuse Kupferlegierung
 Housing Material Copper alloy
 Material O-Ring Gummi
 O-Ring Material Rubber
 Kontaktmaterial Kupferlegierung
 Contact Material Copper alloy
 Kontaktveredelung Au flash
 Plating Material Au flash
 Spannungsfestigkeit 800 V AC
 Test Voltage 800 V AC
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Nennstrom (@40 °C) 4 A
 Rated Current (@ 40 °C) 4 A
 Steckzyklen (min. mechanisch) 100
 Mating cycles (min. mechanical) 100
 IP Klasse IP67
 IP Class IP67



Weitere Optionen auf Anfrage!
 More options on request!

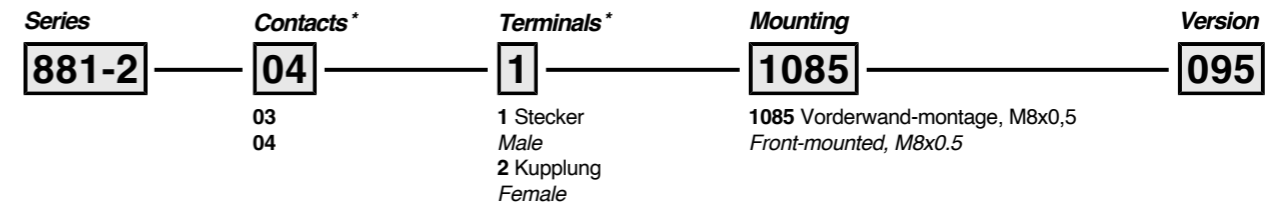
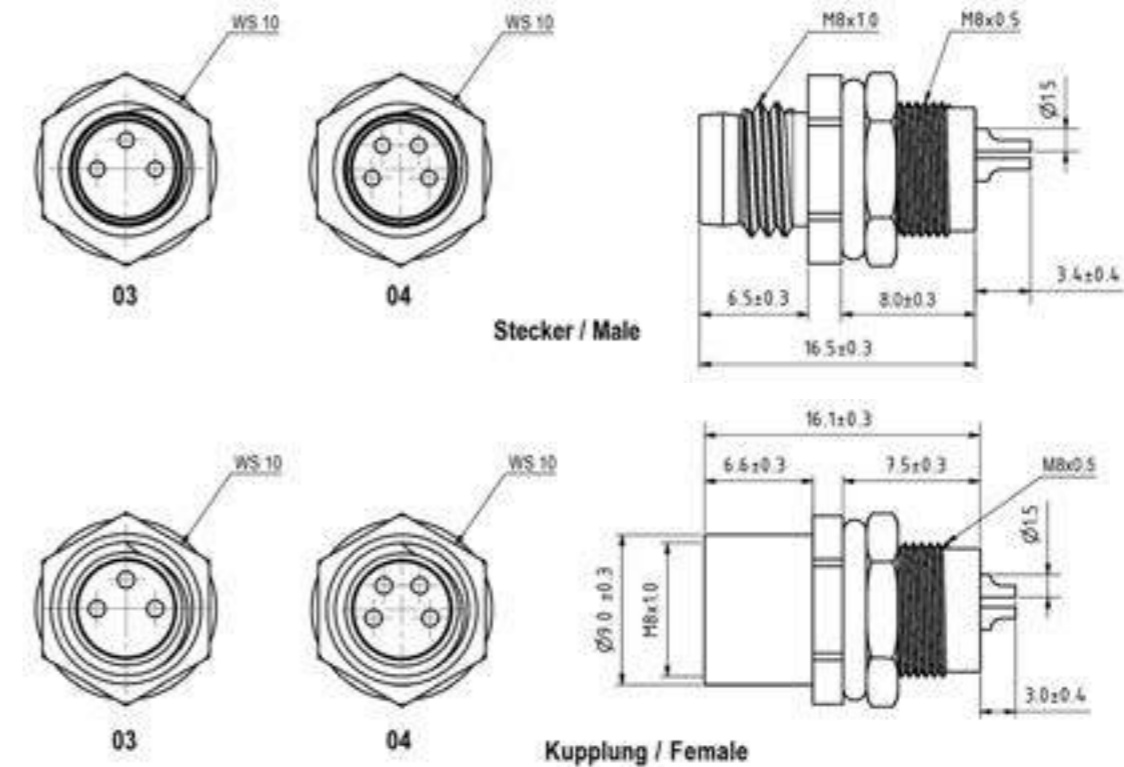
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

881-2

M8 Einbaustecker & -kupplungen mit Lötkelchen M8 Male & Female Connectors with Solder Cups

Technische Daten / Technical Data

Material Isokörper Thermoplast
 Insulator Material Thermoplastic
 Material Gehäuse Kupferlegierung
 Housing Material Copper alloy
 Material O-Ring Gummi
 O-Ring Material Rubber
 Kontaktmaterial Kupferlegierung
 Contact Material Copper alloy
 Kontaktveredelung Au flash
 Plating Material Au flash
 Spannungsfestigkeit 800 V AC
 Test Voltage 800 V AC
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Nennstrom (@40 °C) 4 A
 Rated Current (@ 40 °C) 4 A
 Steckzyklen (min. mechanisch) 100
 Mating cycles (min. mechanical) 100
 IP Klasse IP67
 IP Class IP67
 Litzenquerschnitt AWG 22
 Wire Gauge AWG 22



Weitere Optionen auf Anfrage!
 More options on request!

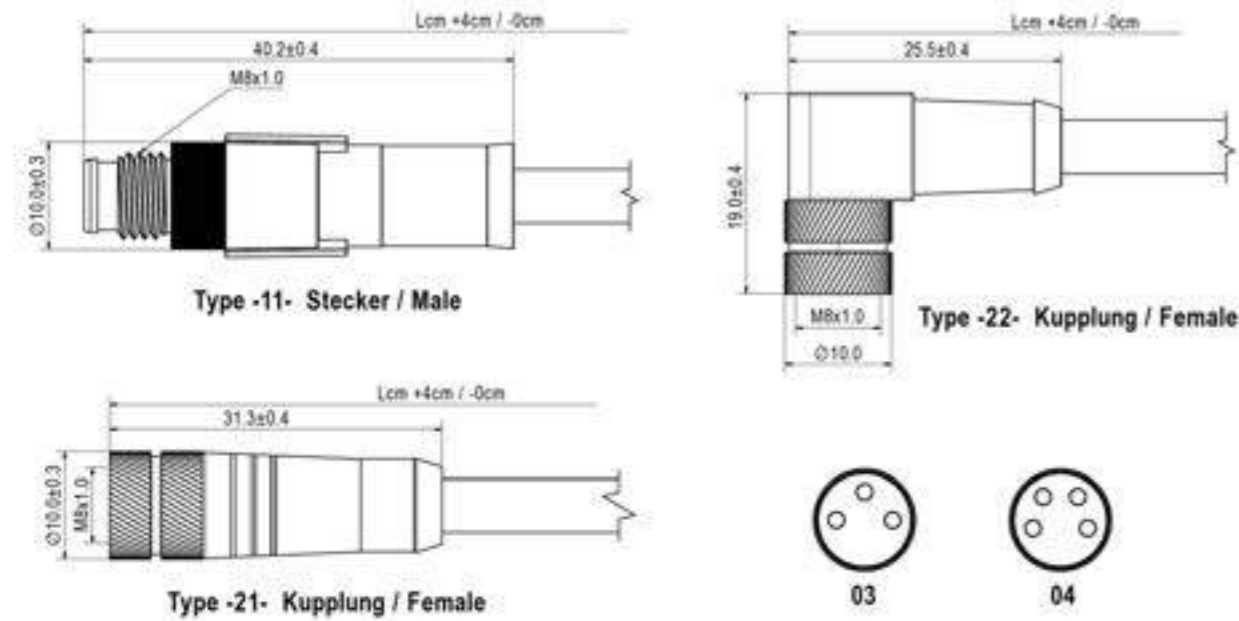
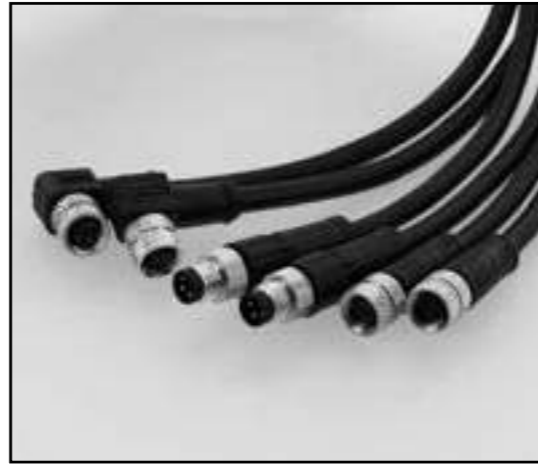
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

881-5

M8 Kabelkonfektionen - Stecker / Kupplungen, gerade / gewinkelt M8 Cable Assemblies - Male / Female, Straight / Right-angled

Technische Daten / Technical Data

Material Kunststoffeinsatz Thermoplast
 Insert Material Thermoplastic
 Dichtmaterial Gummi
 Sealing Material Rubber
 Kontaktmaterial Kupferlegierung
 Contact Material Copper alloy
 Kontaktveredelung Au flash
 Plating Material Au flash
 Spannungsfestigkeit 800 V AC
 Test Voltage 800 V AC
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Steckzyklen (max. mechanisch) 100
 Mating cycles (max. mechanical) 100
 Nennstrom (@40 °C) 4 A (für 0,34mm²/ AWG 22)
 Rated Current (@ 40 °C) 4 A (for 0,34mm²/ AWG 22)
 IP Klasse IP67
 IP Class IP67
 Verschmutzungsgrad 3
 Pollution Degree 3
 Überspannungskategorie II
 Overvoltage Category II



Series	Contacts	Type Front/End*	Cable Material*	Length [cm]*	Wire End Option (Optional)Version
881-5	04	11/22	3	0200	20/04 095
881-5	03 04	11 Stecker, gerade Male, straight 21 Kupplung, gerade Female, straight 22 Kupplung, gewinkelt Female, right-angled 00 Geschnitten Cut	3 PUR 2 PVC	XXXX- Länge in cm Length in cm	20/04 20mm Mantel, 4mm Litzen abisoliert, Litzen verzinkt 20mm sheath, 4mm leads stripped, leads tinned 0 Geschnitten Cut

Weitere Optionen auf Anfrage!
More options on request!

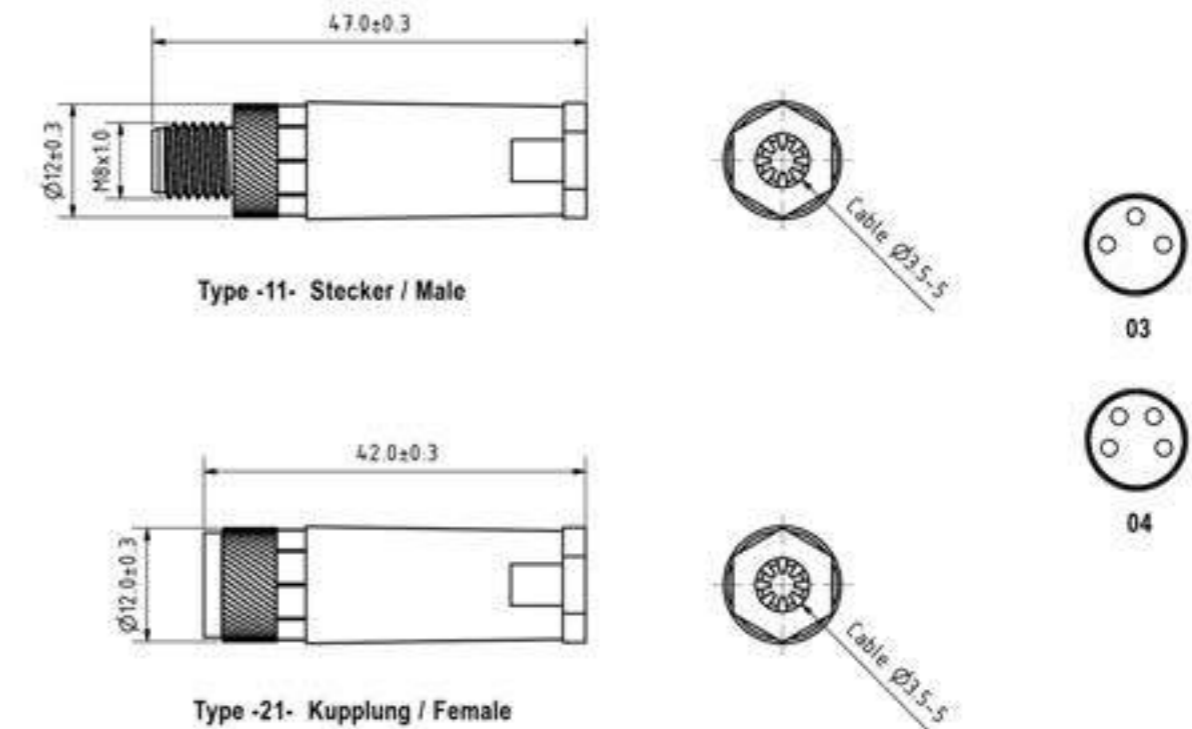
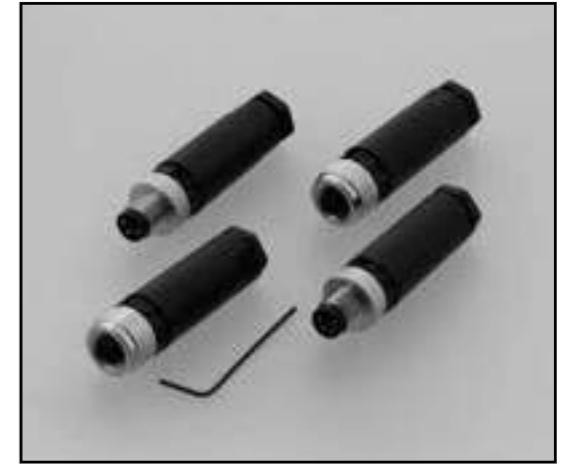
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

881-6

M8 Kabelstecker & -kupplungen, feldinstallierbar M8 Male & Female Cable Connectors, field installable

Technische Daten / Technical Data

Material Isokörper Thermoplast
 Insulator Material Thermoplastic
 Material Gehäuse Thermoplast / Kupferlegierung
 Housing Material Thermoplastic / copper alloy
 Dichtmaterial Gummi
 Sealing Material Rubber
 Kontaktmaterial Kupferlegierung
 Contact Material Copper alloy
 Kontaktveredelung Au flash
 Plating Material Au flash
 Spannungsfestigkeit 800 V AC
 Test Voltage 800 V AC
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Nennstrom (@40 °C) 4 A
 Rated Current (@ 40 °C) 4 A
 IP Klasse IP67
 IP Class IP67



Series	Contacts*	Type*	Strain Relief	Version
881-6	04	11	35	095
881-6	03 04	11 Stecker, gerade Male, straight 21 Kupplung, gerade Female, straight	35 Für Kabeldurchmesser 3,5~5,0mm For cable diameter 3,5~5,0mm	

Weitere Optionen auf Anfrage!
More options on request!

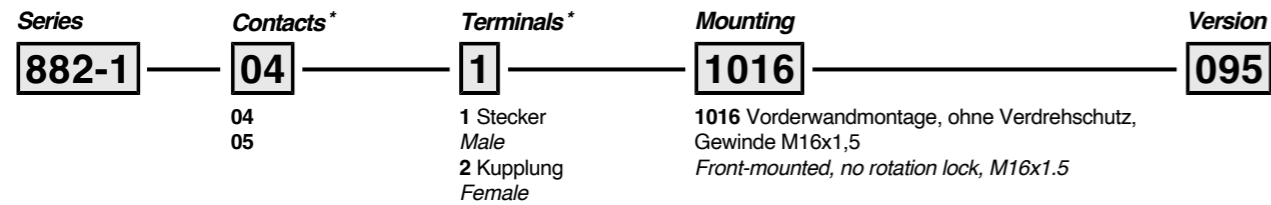
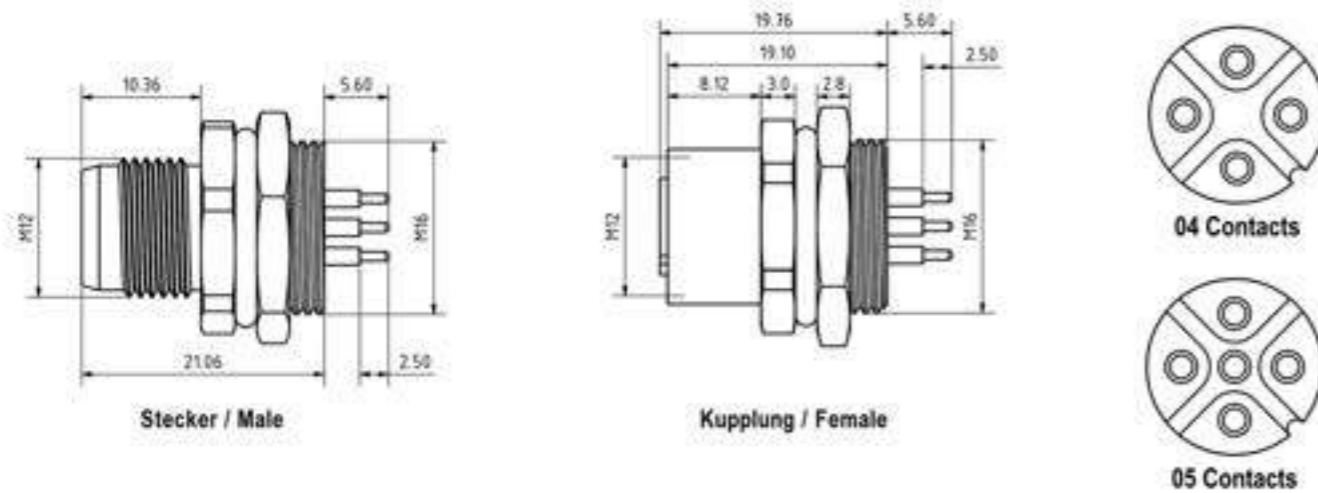
* Dies ist ein Bestellbeispiel - bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example - please replace by your specifications.

882-1

M12 Einbaustecker & -kupplungen mit Einlötkontakten M12 Male & Female Connectors with Solder Pins

Technische Daten / Technical Data

Material Kunststoffeinsatz Thermoplast
 Insert Material Thermoplastic
 Dichtmaterial Gummi
 Sealing Material Rubber
 Kontaktmaterial CuZn
 Contact Material CuZn
 Kontaktveredelung Au flash
 Plating Material Au flash
 Spannungsfestigkeit 2,5 kV (04 Kontakte) / 1,5 kV (05 Kontakte)
 Test Voltage 2,5 kV (04 contacts) / 1,5 kV (05 contacts)
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Nennspannung 250 V (04 Kontakte) / 60 V (05 Kontakte)
 Rated Voltage 250 V (04 contacts) / 60 V (05 contacts)
 Nennstrom (@40 °C) 4 A
 Rated Current (@ 40 °C) 4 A
 Steckzyklen (min. mechanisch) 100
 Mating cycles (min. mechanical) 100
 IP Klasse IP67
 IP Class IP67



Weitere Optionen auf Anfrage!
 More options on request!

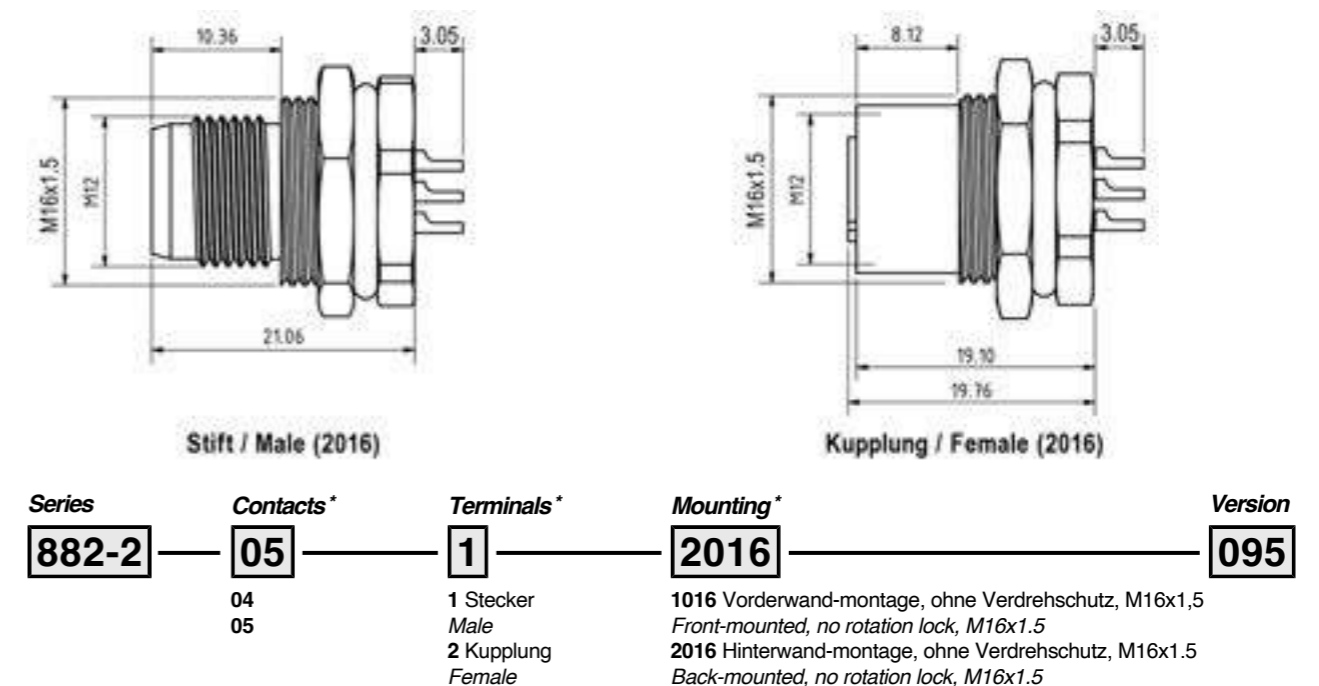
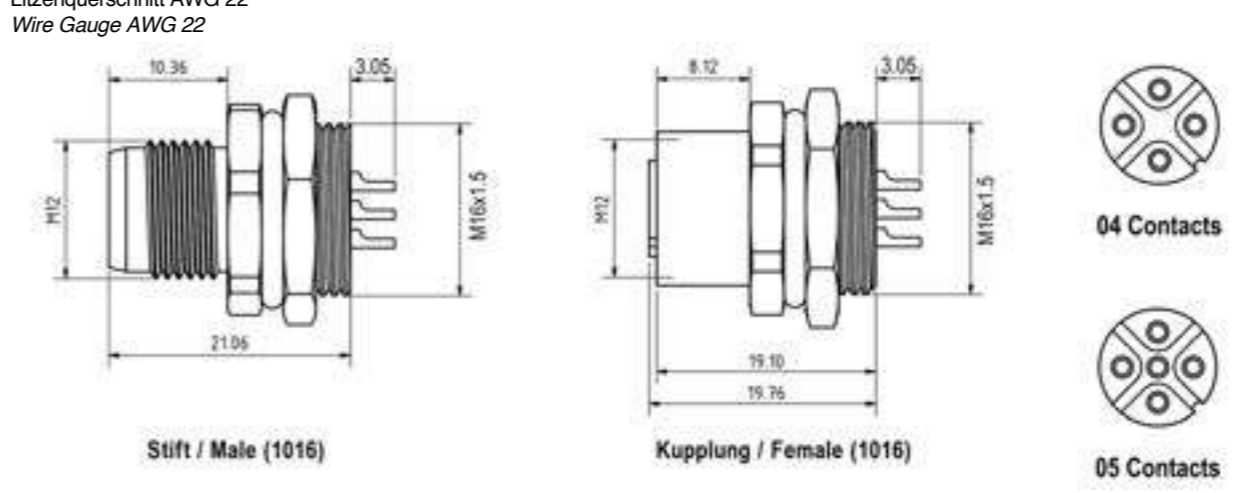
* Dies ist ein Bestellbeispiel -
 bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example -
 please replace by your specifications.

882-2

M12 Einbaustecker & -kupplungen mit Lötkelchen M12 Male & Female Connectors with Solder Cups

Technische Daten / Technical Data

Material Kunststoffeinsatz Thermoplast
 Insert Material Thermoplastic
 Dichtmaterial Gummi
 Sealing Material Rubber
 Kontaktmaterial CuZn
 Contact Material CuZn
 Kontaktveredelung Au flash
 Plating Material Au flash
 Spannungsfestigkeit 2,5 kV (04 Kontakte) / 1,5 kV (05 Kontakte)
 Test Voltage 2,5 kV (04 contacts) / 1,5 kV (05 contacts)
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Nennspannung 250 V (04 Kontakte) / 60 V (05 Kontakte)
 Rated Voltage 250 V (04 contacts) / 60 V (05 contacts)
 Nennstrom (@40 °C) 4 A
 Rated Current (@ 40 °C) 4 A
 Steckzyklen (max. mechanisch) 100
 Mating cycles (max. mechanical) 100
 IP Klasse IP67
 IP Class IP67
 Litzenquerschnitt AWG 22
 Wire Gauge AWG 22



Weitere Optionen auf Anfrage!
 More options on request!

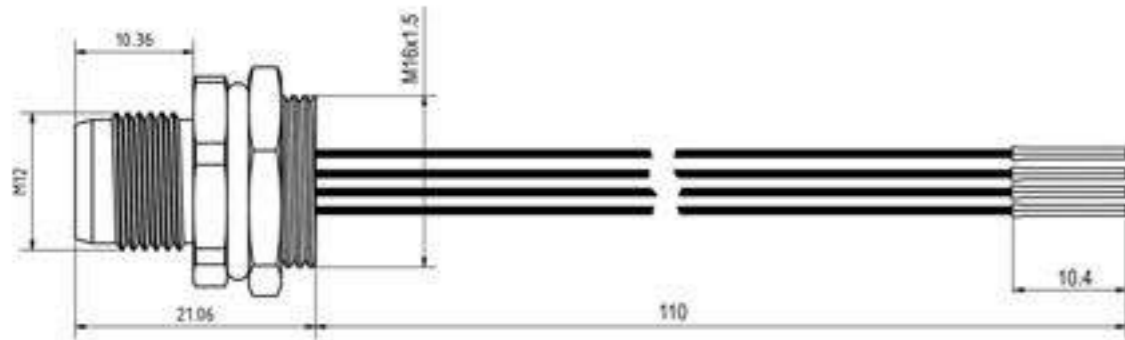
* Dies ist ein Bestellbeispiel -
 bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example -
 please replace by your specifications.

882-3

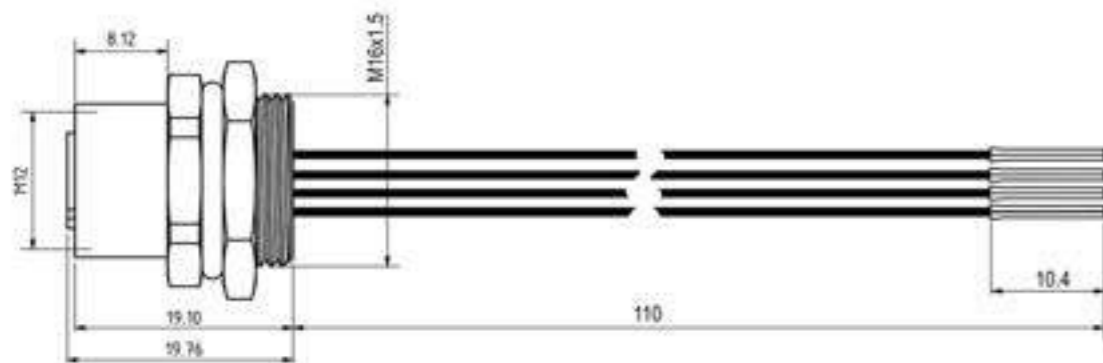
M12 Einbaustecker & -kupplungen mit Einzelleitern M12 Male & Female Connectors with Leads

Technische Daten / Technical Data

Material Kunststoffeinsatz Thermoplast
 Insert Material Thermoplastic
 Dichtmaterial Gummi
 Sealing Material Rubber
 Kontaktmaterial CuZn
 Contact Material CuZn
 Kontaktveredelung Au flash
 Plating Material Au flash
 Spannungsfestigkeit 2,5 kV (04 Kontakte) / 1,5 kV (05 Kontakte)
 Test Voltage 2.5 kV (04 contacts) / 1.5 kV (05 contacts)
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Nennspannung 250 V (04 Kontakte) / 60 V (05 Kontakte)
 Rated Voltage 250 V (04 contacts) / 60 V (05 contacts)
 Nennstrom (@40 °C) 4 A (für 0,34mm²/ AWG 22)
 Rated Current (@ 40 °C) 4 A (for 0,34mm²/ AWG 22)
 Steckzyklen (max. mechanisch) 100
 Mating cycles (max. mechanical) 100
 IP Klasse IP67
 IP Class IP67



Stecker / Male



Kupplung / Female

Series	Contacts*	Terminals*	Mounting	Length [mm]*	Leads*	Version
882-3	04	2	1016	110	1	095
	04 05	1 Stecker Male 2 Kupplung Female	1016 Vorderwandmontage, ohne Verdrehenschutz, M16x1.5 Front-mounted, no rotation lock, M16x1.5	110 110mm 110mm	0 Geschnitten Cut 1 Aderendhülsen gecrimpt End sleeves crimped	

Weitere Optionen auf Anfrage!
 More options on request!

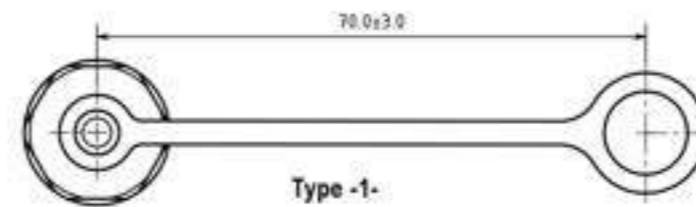
* Dies ist ein Bestellbeispiel -
 bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example -
 please replace by your specifications.

882-4

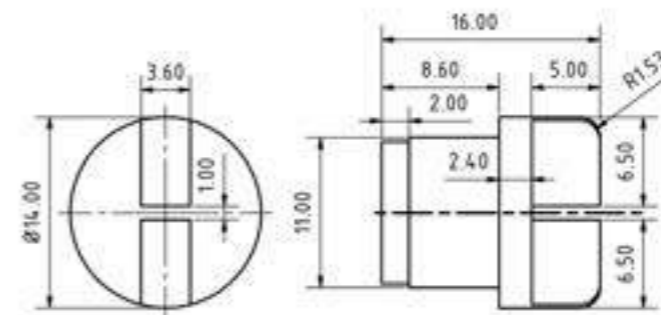
M12 Staubschutzkappen für Einbausteckverbinder M12 Connector Dust Caps

Technische Daten / Technical Data

Material Thermoplast
 Material Thermoplastic
 Material Befestigungszunge (Type -1-) Gummi
 Material Securing Latch (Type -1-) Rubber
 IP Klasse IP67
 IP Class IP67



Type -1-



Type -2-

Series*	Contacts	Type*
882-4	00	2

1 Kappe für Stecker
 Cap for male connector
 2 Kappe für Kupplung
 Cap for female connector

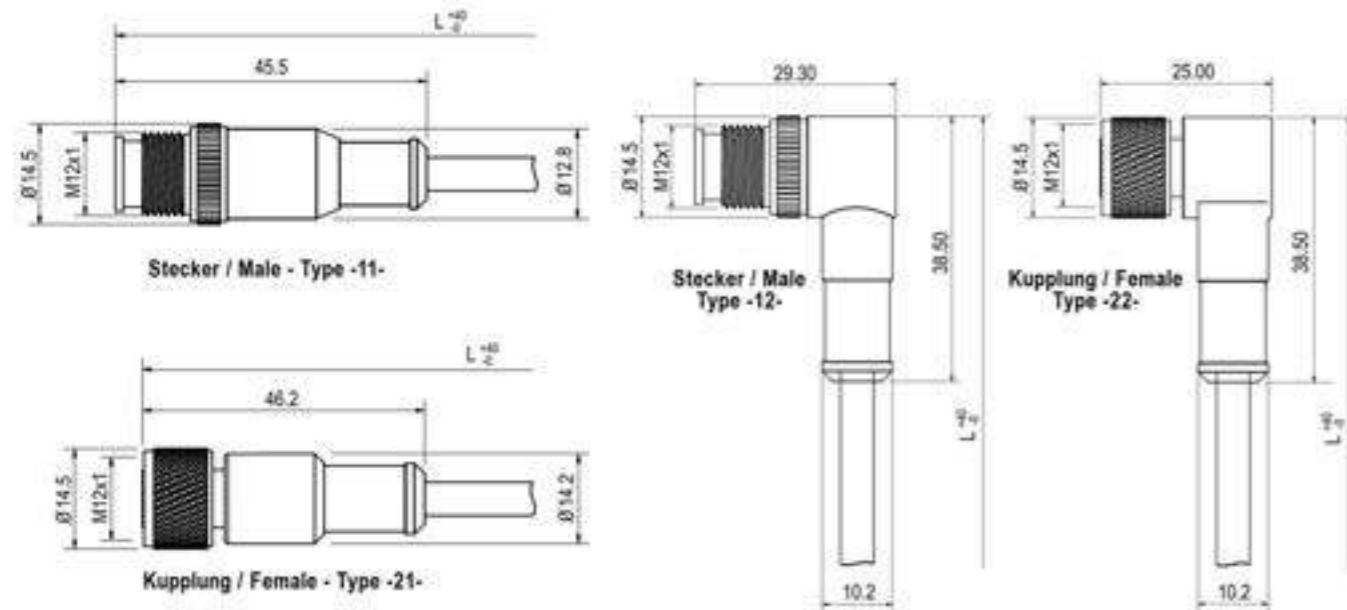
* Dies ist ein Bestellbeispiel -
 bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example -
 please replace by your specifications.

882-5

M12 Kabelkonfektionen - Stecker / Kupplungen, gerade / gewinkelt M12 Cable Assemblies - Male / Female, Straight / Right-angled

Technische Daten / Technical Data

Material Kunststoffeinsteck Thermoplast
 Insert Material Thermoplastic
 Kontaktmaterial CuZn
 Contact Material CuZn
 Kontaktveredelung Au flash
 Plating Material Au flash
 Kabelmaterial Cu 0,34mm²
 Cable Material Cu 0,34mm²
 Spannungsfestigkeit 2,5 kV (04 Kontakte) / 1,5 kV (05 Kontakte)
 Test Voltage 2,5 kV (04 contacts) / 1,5 kV (05 contacts)
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Nennspannung 250 V (04 Kontakte) / 60 V (05 Kontakte)
 Rated Voltage 250 V (04 contacts) / 60 V (05 contacts)
 Nennstrom (@40 °C) 4 A (für 0,34mm²/AWG 22)
 Rated Current (@ 40 °C) 4 A (for 0,34mm²/AWG 22)
 Steckzyklen (max. mechanisch) 100
 Mating cycles (max. mechanical) 100
 IP Klasse IP67
 IP Class IP67



Series	Contacts*	Type Front/End*	Cable Material*	Length [cm]*	Wire End Options (Optional)	Version
882-5	05	2100	3	0200	20/04	095
882-5	04 05	z.B. 1211 (vierstelliger Code) e.g. 1200 (four digit code) 11 Stecker, gerade Male, straight 12 Stecker, gewinkelt Male, right-angled 21 Kupplung, gerade Female, straight 22 Kupplung, gewinkelt Female, right-angled 00 Geschnitten Cut	3 PUR 2 PVC	XXXX- Länge in cm Length in cm	20/04 20mm Mantel, 4mm Litzen abisoliert, Litzen verzinkt 20mm sheath, 4mm leads stripped, leads tinned 0 Geschnitten Cut	

Weitere Optionen auf Anfrage!
 More options on request!

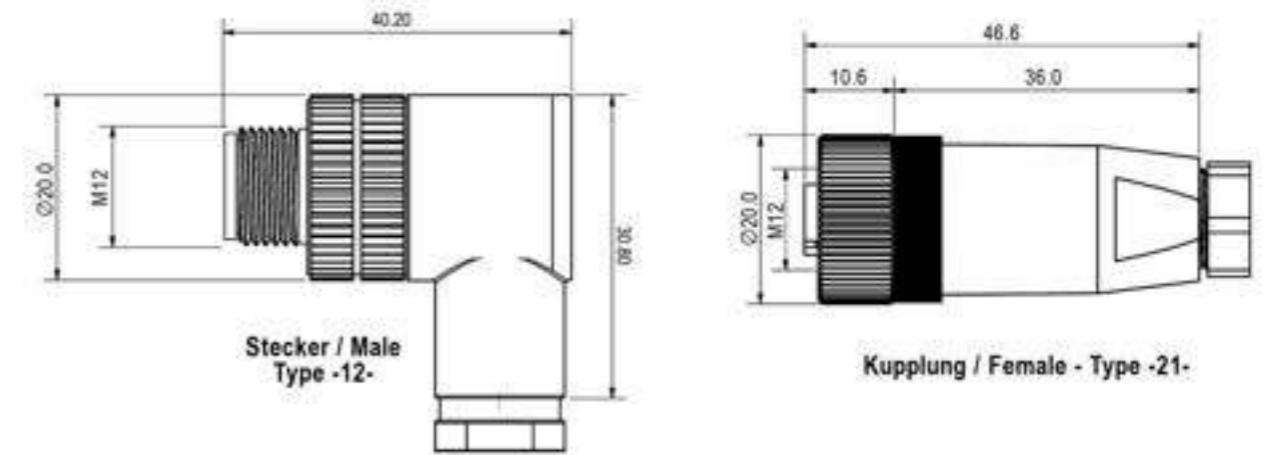
* Dies ist ein Bestellbeispiel -
 bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example -
 please replace by your specifications.

882-6

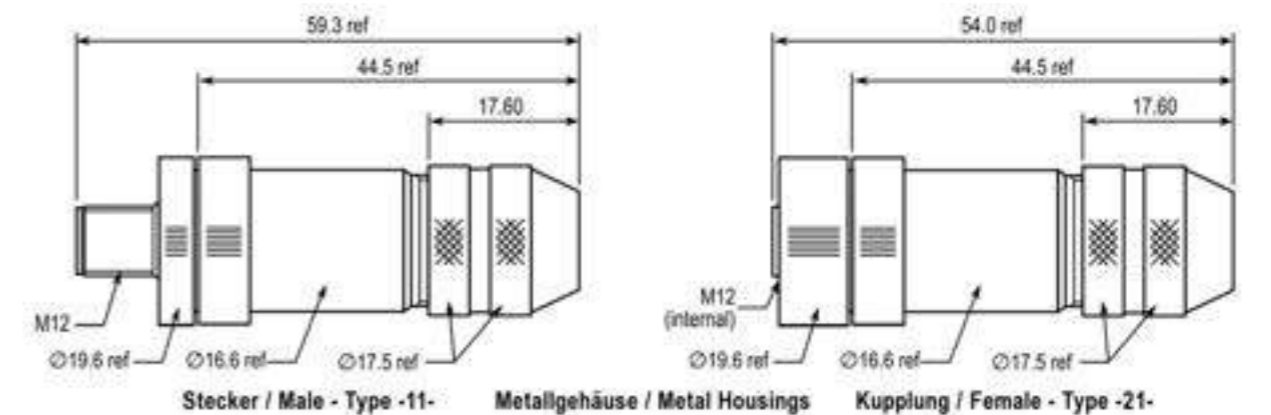
M12 Kabelstecker & -kupplungen, feldinstallierbar M12 Male & Female Cable Connectors, field installable

Technische Daten / Technical Data

Material Isokörper Thermoplast
 Insulator Material Thermoplastic
 Material Gehäuse Thermoplast / Kupferlegierung
 Housing Material Thermoplastic / copper alloy
 Dichtmaterial Gummi
 Sealing Material Rubber
 Kontaktmaterial Kupferlegierung
 Contact Material Copper alloy
 Kontaktveredelung Au flash
 Plating Material Au flash
 Spannungsfestigkeit 2,5 kV (04 Kontakte) / 1,5 kV (05 Kontakte)
 Test Voltage 2,5 kV (04 contacts) / 1,5 kV (05 contacts)
 Temperaturbereich -25 °C ... +85 °C
 Temperature Range -25 °C ... +85 °C
 Nennstrom (@40 °C) 4 A
 Rated Current (@ 40 °C) 4 A
 IP Klasse IP67
 IP Class IP67



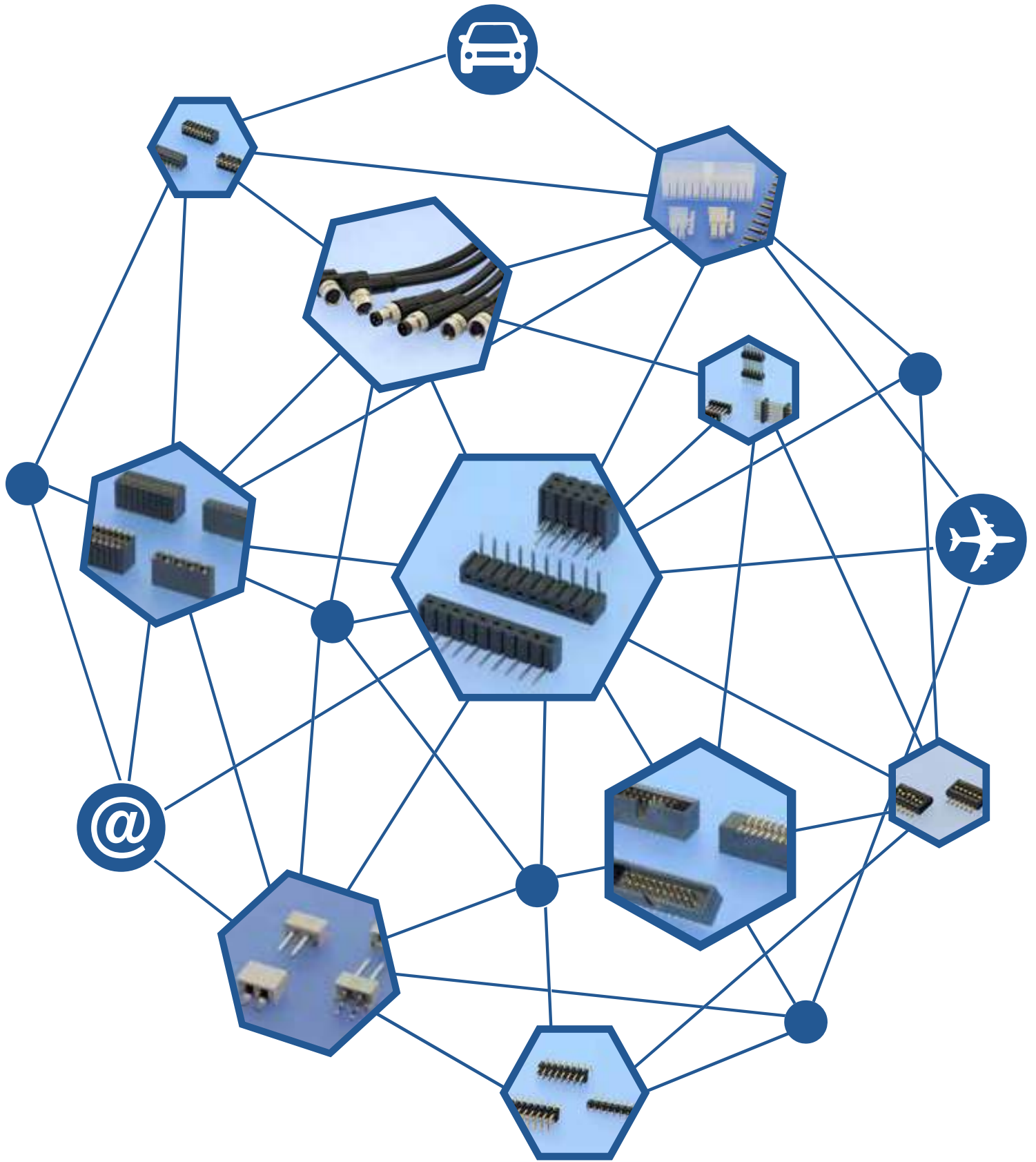
Series	Contacts*	Type*	Strain Relief*	Version
882-6	04	21	46	095
	04 05	12 Stecker, gewinkelt Male, right-angled 21 Kupplung, gerade Female, straight	46 Für Kabeldurchmesser 4-6mm For cable diameter 4-6mm 68 Für Kabeldurchmesser 6-8mm For cable diameter 6-8mm	



Series	Contacts*	Type*	Strain Relief	Material	Version
882-6	04	21	48	1	095
	04 05	11 Stecker, gerade Male, straight 21 Kupplung, gerade Female, straight	48 Für Kabeldurchmesser 4-8mm For cable diameter 4-8mm	1 Metallgehäuse Metal housing	

Weitere Optionen auf Anfrage!
 More options on request!

* Dies ist ein Bestellbeispiel -
 bitte durch Ihre Spezifikationen ersetzen.
 * This is an order example -
 please replace by your specifications.



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