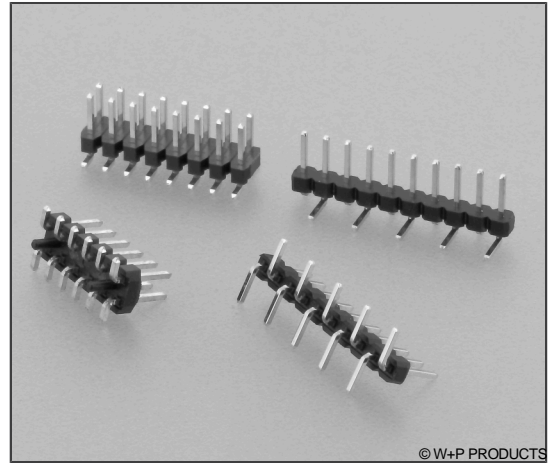


# 46-7351 Economy Version

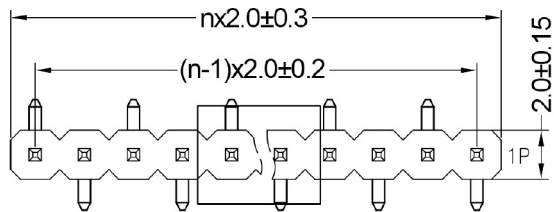
SMT-Stiftleisten RM 2,00mm, stehend, 1-/2-reihig  
SMT Pin Headers, 2.00mm Pitch, Vertical, Single/Double Row

## Technische Daten / Technical Data

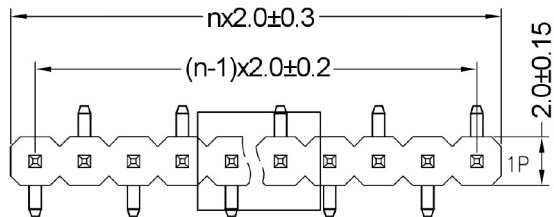
Isolierkörper	Thermoplast, nach UL94 V-0
Insulator	Thermoplastic, rated UL94 V-0
Kontaktmaterial	Kupferlegierung
Contact Material	Copper alloy
Kontaktoberfläche	Au über Ni
Contact Surface	Au over Ni
Durchgangswiderstand	< 20 mΩ
Contact Resistance	< 20 mΩ
Isolationswiderstand	> 1000 MΩ
Insulation Resistance	> 1000 MΩ
Spannungsfestigkeit	500 V AC/DC
Test Voltage	500 V AC/DC
Nennstrom	1,5 A
Current Rating	1.5 A
Temperaturbereich	-40 °C ~ +105 °C
Temperature Range	-40 °C ~ +105 °C
Verarbeitung	260 °C für 5 sec. / 230 °C für 30-60 sec.
Processing	260 °C for 5 sec. / 230 °C for 30-60 sec.



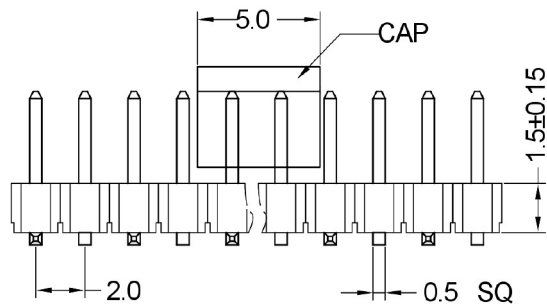
© W+P PRODUCTS



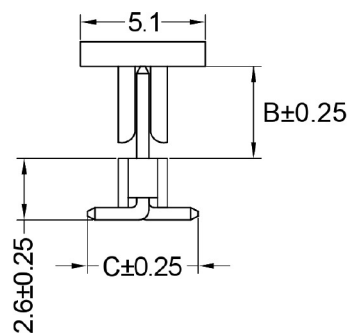
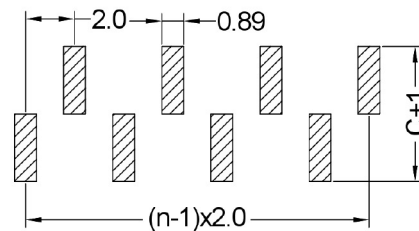
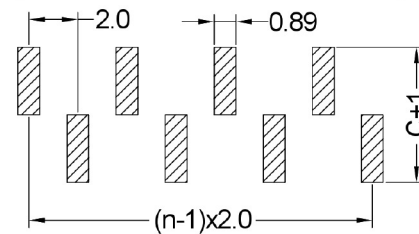
Layout B1



Layout B2



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



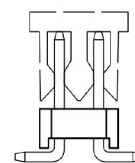
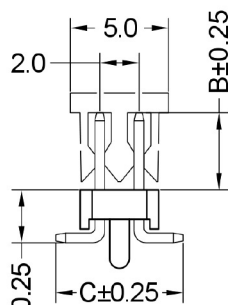
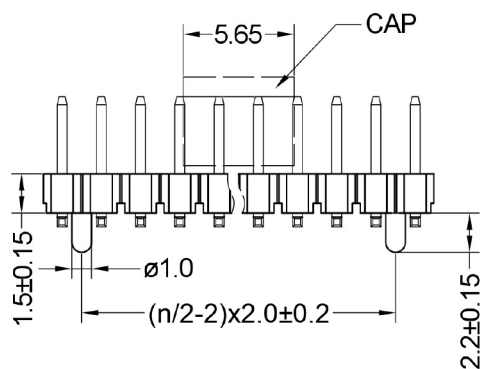
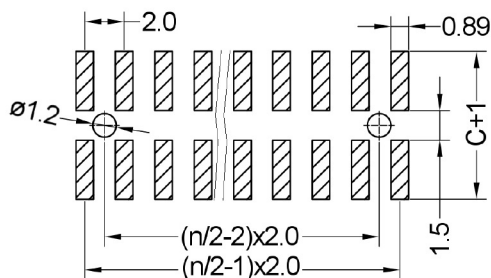
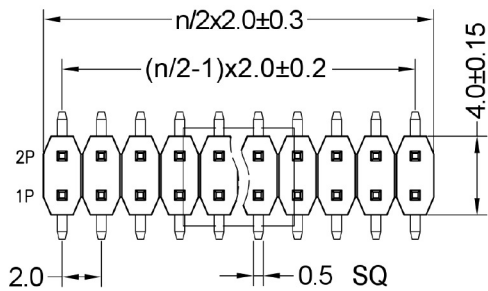
Series	Contacts*	Rows*	Dimensions*	Plating	Locating Pegs*	Packing*
<b>46-7351</b>	<b>10</b> 03-20	<b>11</b> 11 Einreihig B1 Single row B1 12 Einreihig B2 Single row B2	<b>10</b> 10 B=4.00 C=7.00mm 20 B=4.00 C=6.00mm 99 Kundenspezifisch Customer-specific	<b>00</b> 00 Vergoldet Gold plated	<b>00</b> 00 Ohne Pos.hilfen W/o loc. pegs	<b>PPST</b> ST PPST PPTR

# 46-7351 Economy Version

SMT-Stiftleisten RM 2,00mm, stehend, 1-/2-reihig

SMT Pin Headers, 2.00mm Pitch, Vertical, Single/Double Row

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



Locating Pegs  
Option -10-

Without locating Pegs  
Option -00-

Series	Contacts*	Rows	Dimensions*	Plating	Locating Pegs*	Packaging*
<b>46-7351</b>	<b>20</b> 04-40 Zweireihig Double row	<b>20</b> 20 Zweireihig Double row	<b>10</b> 10 B=4.00 C=7.00mm 20 B=4.00 C=6.00mm 99 Kundenspezifisch Customer-specific	<b>00</b> 00 Vergoldet Gold plated	<b>00</b> 00 Ohne Pos.hilfen W/o loc. pegs 10 Mit Pos.hilfen With loc. pegs	<b>PPST</b> ST PPST PPTR

\* 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 P&P-Pads / In tubes with P&P-Pads

**PPTR** Tape & Reel mit P&P-Pads / Tape & Reel with P&P-Pads

### Reflow-Lötempfehlung für kurze Lötzeiten

Die Bauteile sollten gemäß folgendem Temperatur-Profil in Anlehnung an die IPC/JEDEC J-STD-020C für bleifreies Löten im Reflow-Verfahren verarbeitet werden (Maximalwerte).

Profileigenschaft	Kennwert
Temperatur Minimum $T_{Smin}$	150 °C
Temperatur Maximum $T_{Smax}$	200 °C
Dauer $T_{Smin} - T_{Smax}$	60 – 180s
Temperatur Lötbereich $T_L$	untere Temperaturangabe [°C]
Verweildauer oberhalb $T_L$	laut Angabe im Datenblatt [sec]
Ramp-Up Rate $T_{Smax} - T_P$	max. 3 °C / s
Höchsttemperatur $T_P$	obere Temperaturangabe [°C]
Dauer Höchsttemperatur	laut Angabe im Datenblatt [sec]
Ramp-Down Rate $T_{Pmax} - T_{Smin}$	6 °C / s
Dauer 25 °C – Höchsttemperatur $T_P$	max. 8m

### Reflow Soldering Recommendation For Shorter Peak Times

Items should be soldered according to IPC/JEDEC J-STD-020C temperature profile for leadfree reflow soldering (maximum values).

Profile Feature	Key Values
Minimum Temperature $T_{Smin}$	150 °C
Maximum Temperatur $T_{Smax}$	200 °C
Duration $T_{Smin} - T_{Smax}$	60 – 180s
Soldering Range Temperature $T_L$	Lower Temperature [°C]
Duration above $T_L$	Acc. to datasheet [sec]
Ramp-Up Rate $T_{Smax} - T_P$	max. 3 °C / s
Peak Temperature $T_P$	Upper Temperature [°C]
Duration Peak Temperature	Acc. to datasheet [sec]
Ramp-Down Rate $T_{Pmax} - T_{Smin}$	6 °C / s
Duration 25°C - Peak Temp. $T_P$	max. 8min

