



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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CH20M SHL-SMT 5.00/04GL 4.2BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
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 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
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Naturally, the CH20M system also shows its perfection in the peripheral interface.

If you are taking into consideration design options, processing, usability, reliability and security, then pin headers and connectors are just as critical in the real world as the entire system.

In every sector, the connection technology is at the top of its class.

- **100% non-interchangeable** the unique, captive "Auto-Set" encoding ensures a misconnection-proof assignment of the connections.
- **100% safe** Touch protection for the pin header and socket block on both sides
- **100% efficient** All THR pin headers are reflow compatible

General ordering data

| | |
|------------------|---|
| Order No. | 1069640000 |
| Part designation | SHL-SMT 5.00/04GL 4.2BX |
| Version | PCB plug-in connector, male header, 5 mm, No. of poles: 4, Solder pin length: , black |
| GTIN (EAN) | 4032248825080 |
| Qty. | 120 pc(s). |

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Technical data

Dimensions (1)

| | | | |
|--------|---------|-------|---------|
| Length | 27.6 mm | Width | 20.4 mm |
| Height | 14.4 mm | | |

System parameters

| | | | |
|--------------------------|---------------------------|-----------------------------|----------|
| Version | Connection element, left | No. of connections | 4 |
| Type of contact to PCB | Solder connection, direct | Tolerance for the PCB shape | ±0.15 mm |
| Contact to terminal rail | No | Encapsulation option | No |

Material data

| | | | |
|--|--------|--|--------------|
| Flammability class UL 94 | V-0 | Insulating material | LCP |
| Colour | black | Contact material | Copper alloy |
| Contact surface | tinned | Highest continuous operating temperature, min. | -20 °C |
| Highest continuous operating temperature, max. | 85 °C | | |

Rating data to DIN IEC

| | | | |
|--|-------|--|-------|
| Rated current, max. No. of poles (Tu=20°C) | 10 A | Rated current, no. of poles (Tu=40°C), max. | 9 A |
| Rated voltage for overvoltage class/pollution severity II/2 | 400 V | Rated voltage for overvoltage class/pollution severity III/2 | 320 V |
| Rated voltage at overvoltage category/pollution degree III/3 | 250 V | Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 4 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 4 kV | Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 kV |

Approvals

Approvals institutes

Classifications

eClass 6.0 27-26-07-04