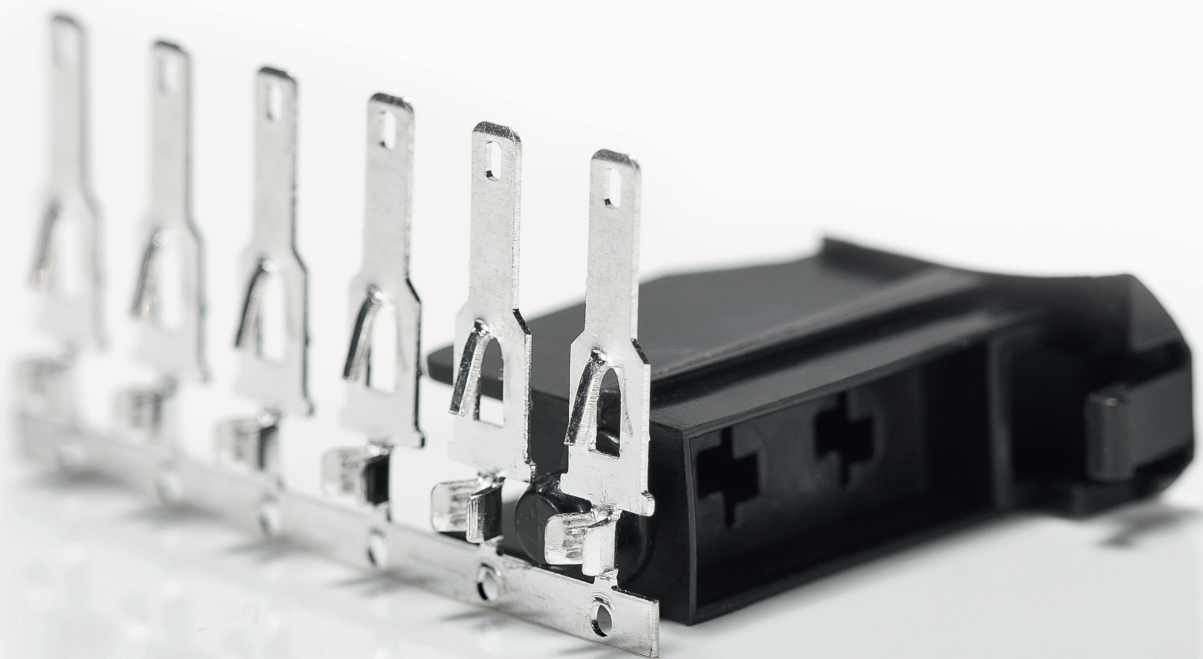


THE CONNECTOR BOOK

CUSTOM & STANDARD CONNECTORS



GSN ELECTRONICS // SINGAPORE – CHINA – EUROPE – HONG KONG
TS 16949 // ISO 9001 // ISO 14001 // UL // VDA



ABOUT GSN

COMPANY FACTS AND FIGURES

GROUP:	LOCATION:
Headquarters:	Singapore
Manufacturing plants:	China (x3)
Offices:	China, Europe, Hong Kong
Total employees:	250

OUTSTANDING PRODUCTS

Founded in 1999, GSN produces standard and custom connectors in mainland China.

Standard connectors

When it comes to standard connectors, GSN offers a wide range of tailored industry solutions including:

- VIBRA-SAFE for applications where vibration is an issue
- Embedded & IPC for industrial automation
- Solutions for the automotive industry
- Solutions for the medical industry

Custom connectors

GSN is the leading high-manufacturer of custom connectors that deliver on quality and price. GSN develops new designs and improves existing ones. If you have a product that requires modification of any kind, please do not hesitate to contact us.

OUTSTANDING SERVICES & INNOVATIONS

At GSN, we offer our sales partners a number of unique logistics, sales and marketing services, helping to simplify and enhance your processes.

GETTING THE BASICS RIGHT

We wish to emphasize how highly we value the work of our customers and sales partners. In fact, we view them as part of the GSN family. We regard our cooperation as true team-work involving equal partners.

At GSN, we get the basics right – and that means tangible benefits for all our customers.

- Complete certification: ISO TS 16949, ISO 9001, ISO 14001, UL
- Wide product range manufactured at three sites
- Attractive pricing that helps you win project contracts

CUSTOMERS WHO BENEFIT FROM GSN'S STANDARD AND CUSTOM CONNECTORS:

SIEMENS	BOSCH	SONY
TOSHIBA	PANASONIC	FLEXTRONICS
HUAWEI	GENERAL ELECTRIC	BMW
VW	PORSCHE	DAIMLER
FORD	LAND ROVER	JAGUAR
PEUGEOT	CHRYSLER	GM

USER GUIDE

3 NEW FEATURES

1 MOBILE APP

Our website is now available as a mobile app.

By **scanning the QR codes** that appear on each page of the catalogue, you are taken directly to the corresponding product website.

2 WEBCODE

A webcode is listed for each product. In addition to the QR code option described above, you can access technical data for a product by visiting our website www.gsn.cn.com/download-centre and **entering this four-digit webcode**.

3 AUTOMOTIVE PRODUCT APPROVALS

Tried-and-trusted quality you can rely on: Many of our products are approved for use in automotive applications. These products are labelled with a **yellow "automotive approved" logo**.

Male header | 2.00

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code. Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

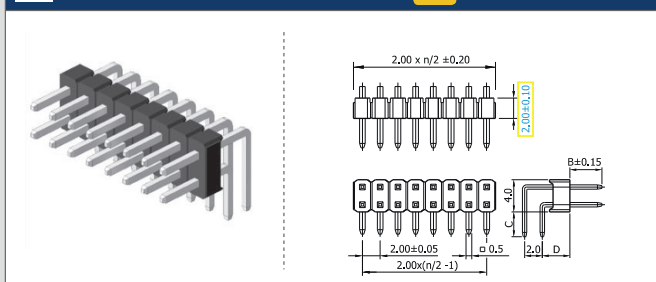


FURTHER PRODUCT INFORMATION is available. Please visit www.gsn.cn.com/download-centre

1

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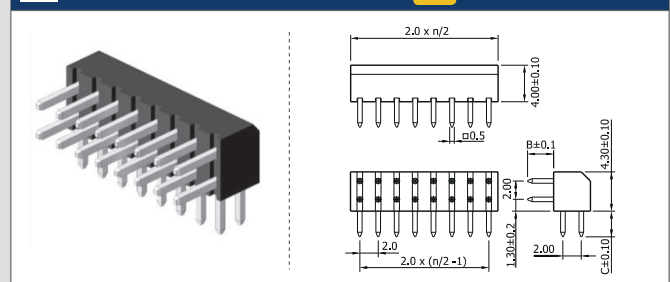
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3

automotive approved



CUSTOM SOLUTIONS

TECHNOLOGIES:

Development of new connectors || Improvement of existing designs

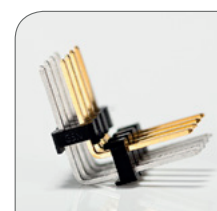


CUSTOM SOLUTIONS

BOARD TO BOARD

TECHNOLOGIES:

Press-Fit || Surface Mount / SMT || Through Hole / THT || Pin in Paste / PIP (THR)



BOARD TO BOARD

CABLE TO BOARD

TECHNOLOGIES:

Crimp terminal type || IDC Flat Ribbon Cable || Flat Flexible Cable (FFC) || Waterproof



CABLE TO BOARD

INPUT / OUTPUT

TECHNOLOGIES:

D-Sub || USB / Mini USB / Micro USB || Phone Jacks || DVI

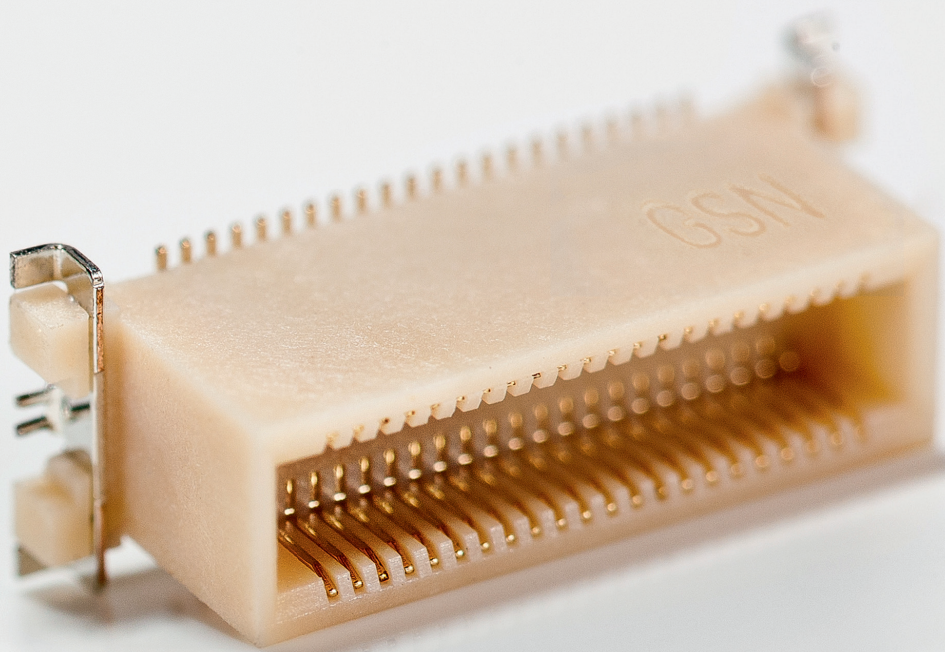


INPUT / OUTPUT

CUSTOM SOLUTIONS

TECHNOLOGIES:

Development of new connectors | Improvement of existing designs



BENEFITS OF GSN CUSTOM CONNECTORS

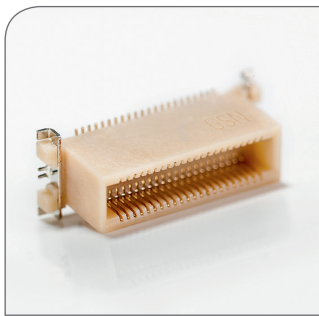
THE BENEFITS OF CUSTOM CONNECTORS BY GSN

Custom connectors by GSN offer a number of advantages. A tailor-made design ensures a precise fit for your product – delivering many structural benefits when compared with standard connectors.

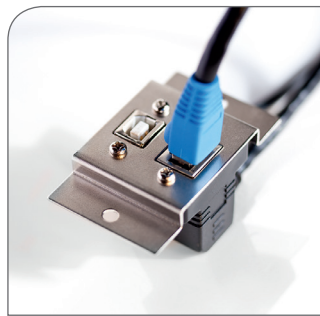
Moreover, not only are GSN custom connectors attractively priced, the development cycle for our products is very short. And we go above and beyond when it comes to design – often creating new and innovative solutions that exceed our customers' initial expectations. Our design centres in China and Europe look forward to helping you develop the perfect connectors for your products.

BY PARTNERING WITH GSN, CUSTOMERS BENEFIT FROM:

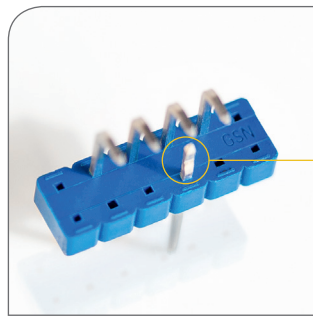
- TS 16949 & ISO 14001
- PPAP initial sample procedure
- 100% automatic assembly
- In-house manufacture
- Connectors approved for automotive & medical technology
- Local support for customer design requirements



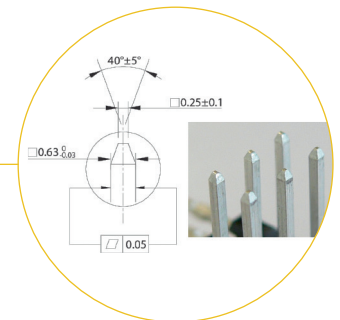
Pitch $\geq 0.25\text{mm}$



Complex designs



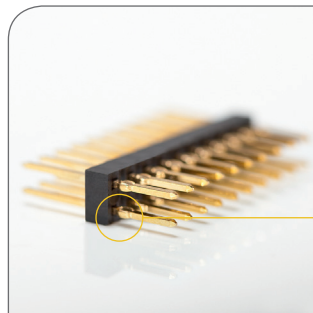
Automotive-grade precision



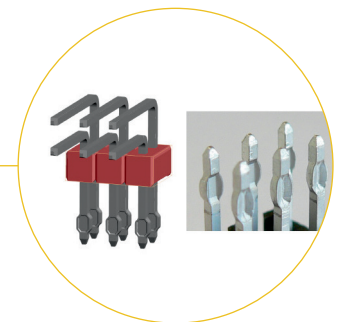
Ultra-precision moulds



Silver & palladium as an alternative to gold



Automotive press-fit



BOARD TO BOARD

TECHNOLOGIES:

Press-Fit | Surface Mount / SMT | Through Hole / THT | Pin in Paste / PIP (THR)



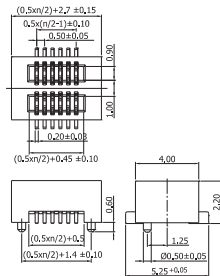
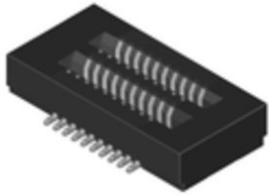
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Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

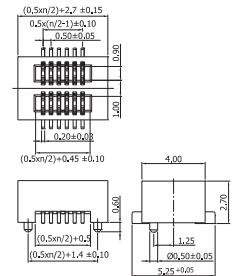
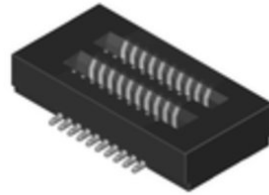


FURTHER PRODUCT INFORMATION is available.
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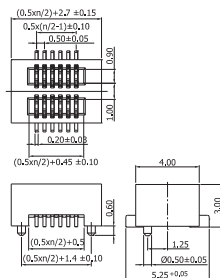
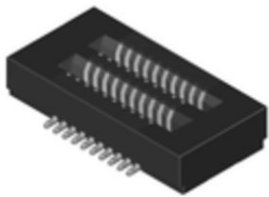
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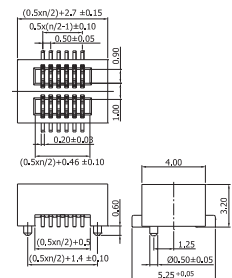
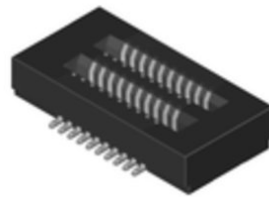
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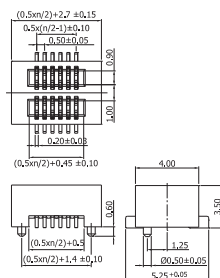
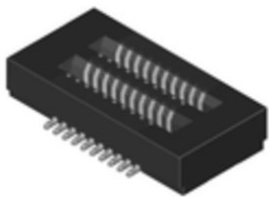
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✓ 11S052S1K // webcode: 1007



✓ 11S052S1L // webcode: 1009



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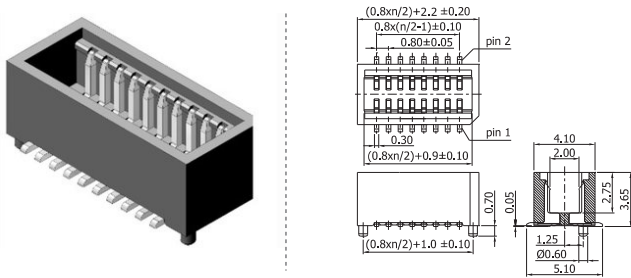
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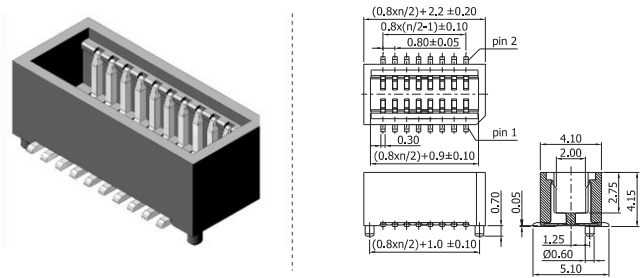


FURTHER PRODUCT INFORMATION is available.
Please visit: www.gsn.cn.com/download-centre

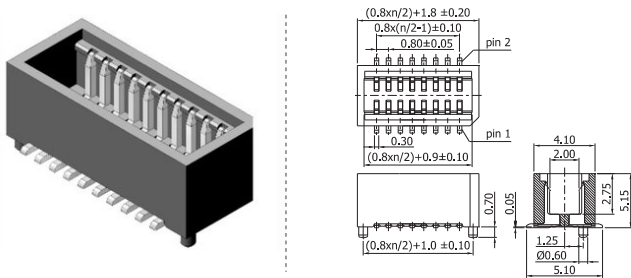
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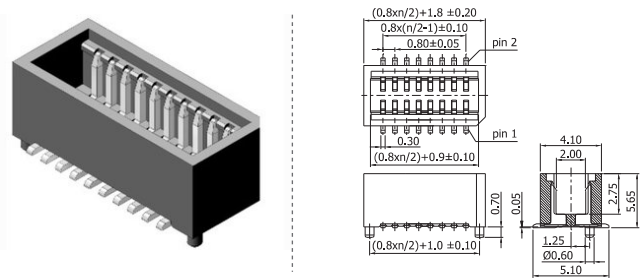
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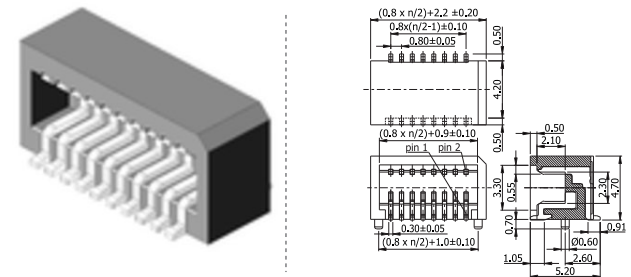
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✓ 11S082S1F // webcode: 1013



✓ 11S082S9A // webcode: 1014



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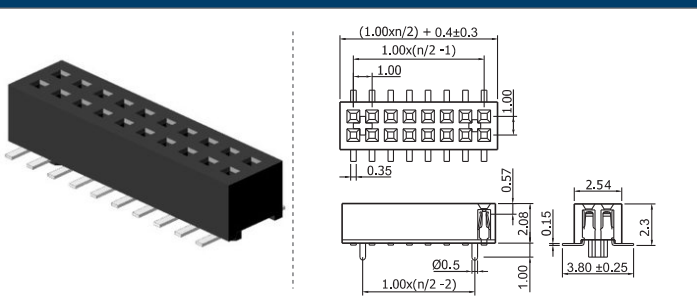
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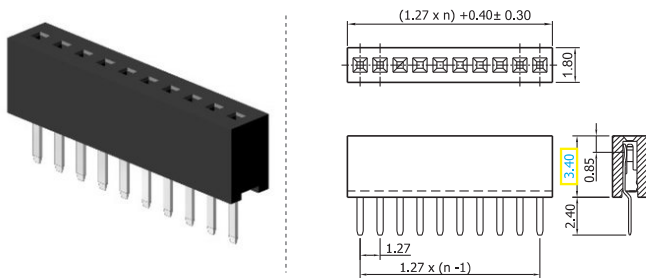
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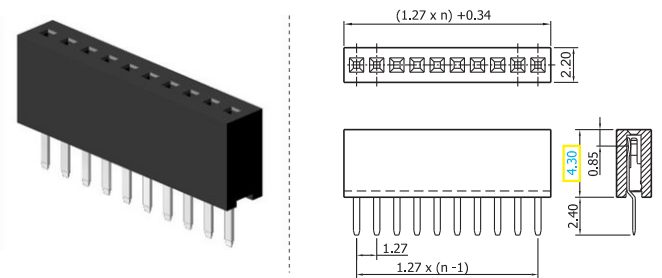


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Please visit: www.gsn.cn.com/download-centre

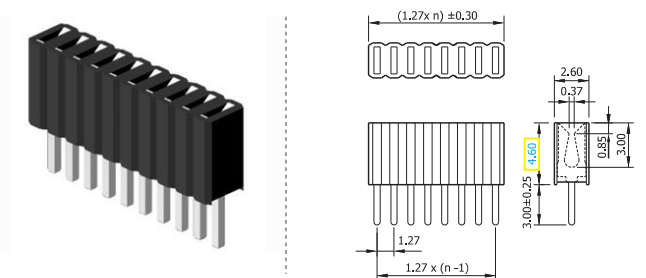
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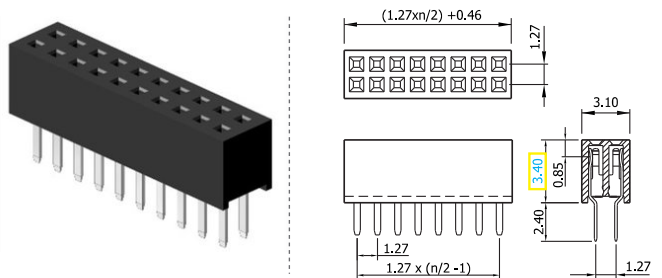
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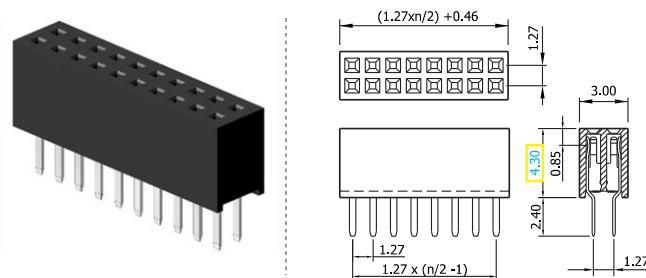
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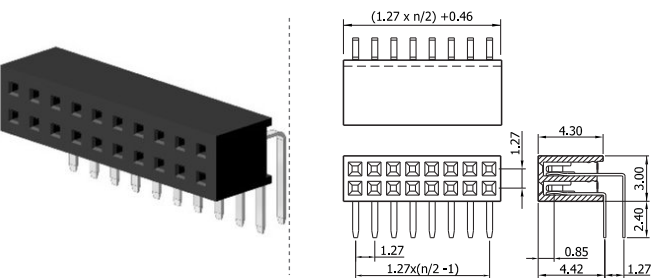
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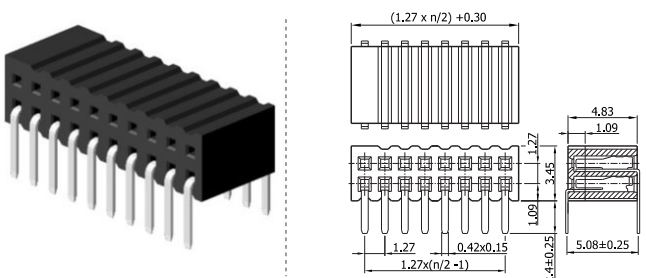
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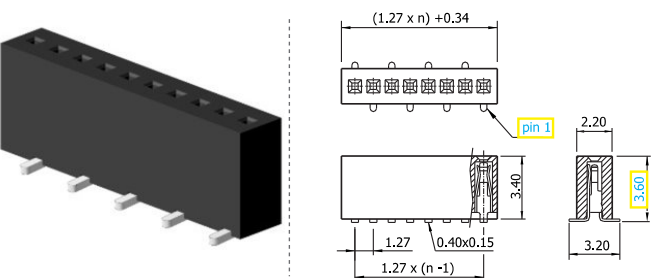
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✓ 11S122T9 // webcode: 1022



✓ 11S121S1F // webcode: 1023



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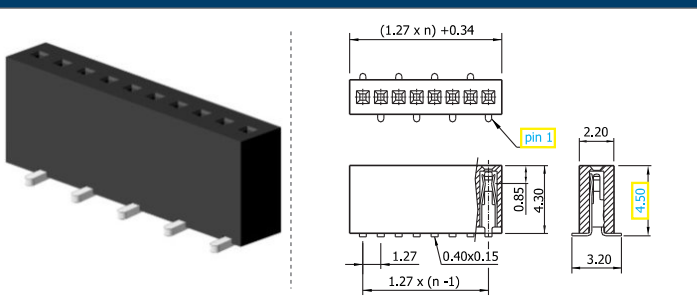
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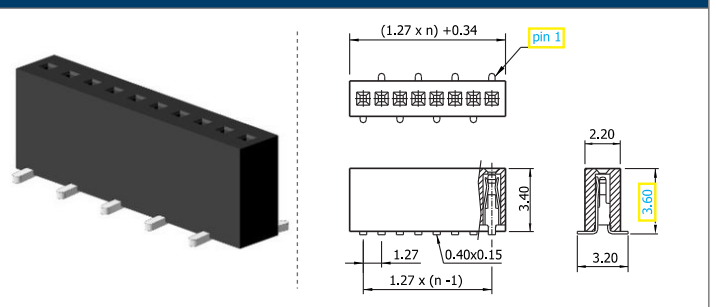


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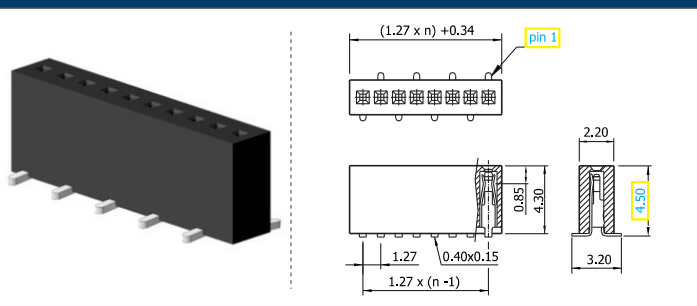
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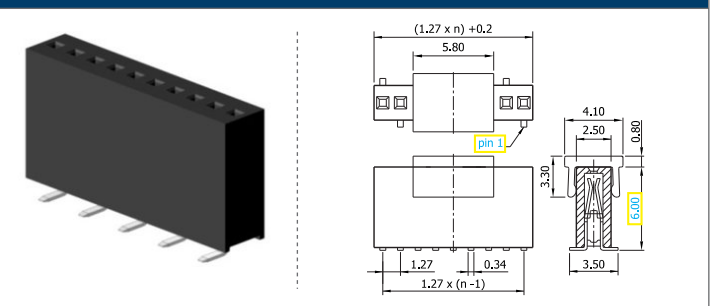
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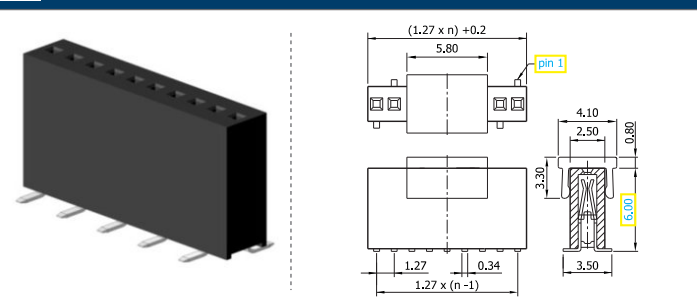
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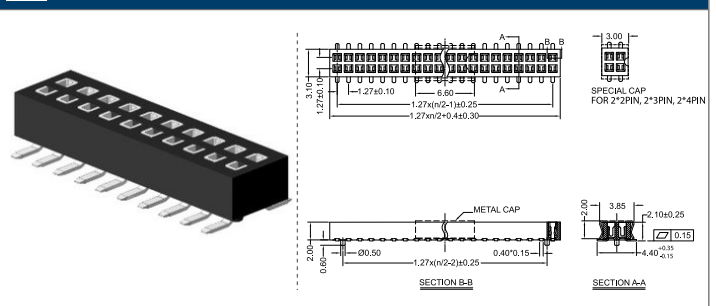
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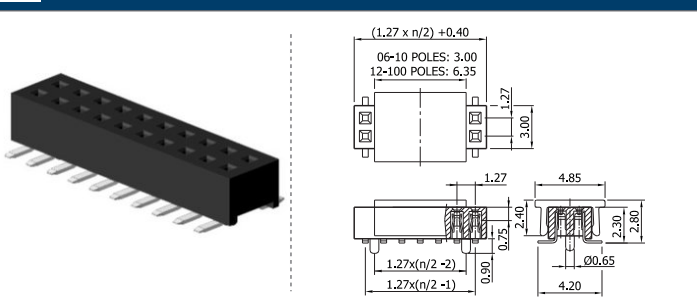
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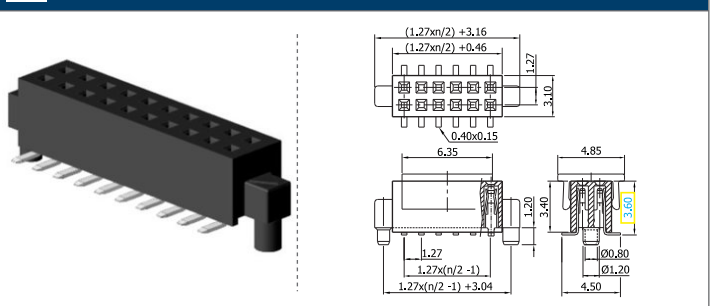
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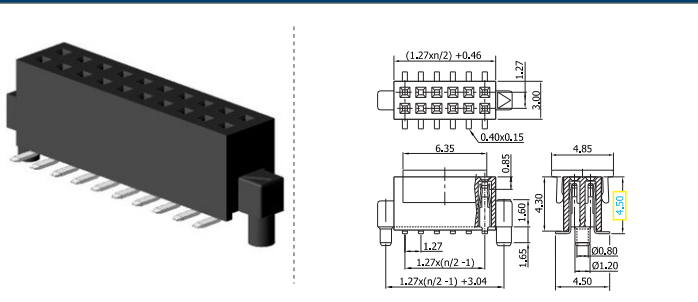
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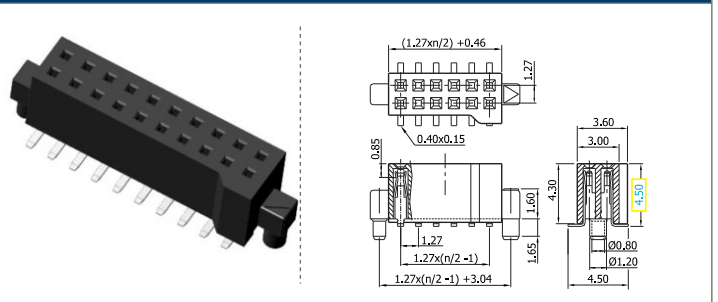


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Please visit: www.gsn.cn.com/download-centre

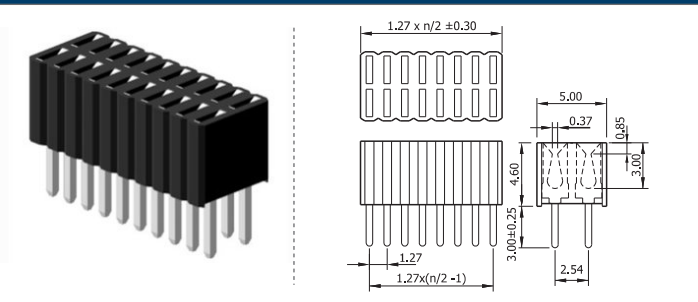
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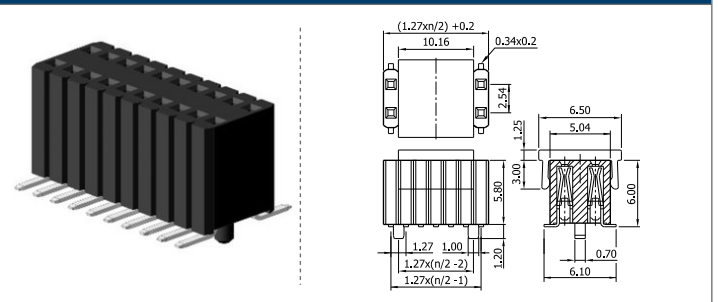
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✓ 11S132T1B // webcode: 1034



✓ 11S132S1 // webcode: 1035



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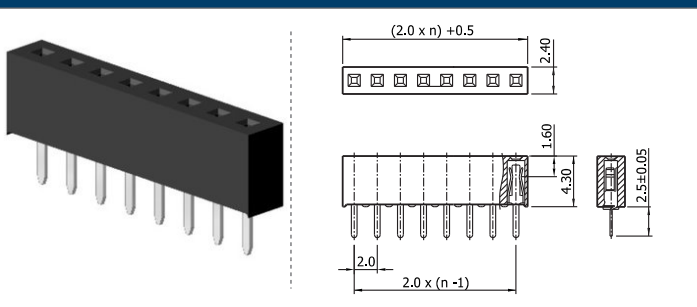
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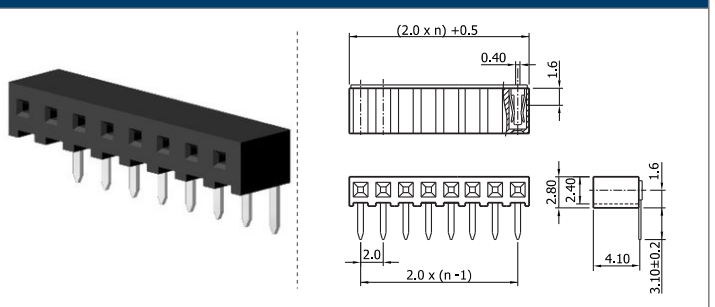


FURTHER PRODUCT INFORMATION is available. Please visit: www.gsn.cn.com/download-centre

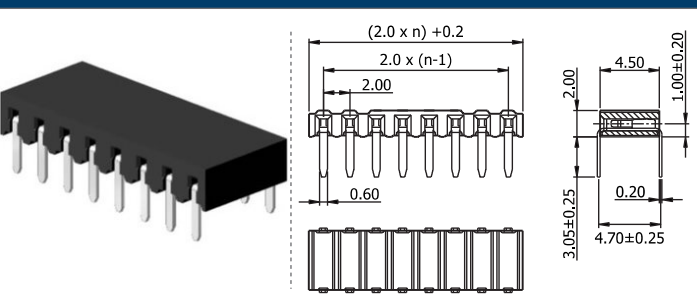
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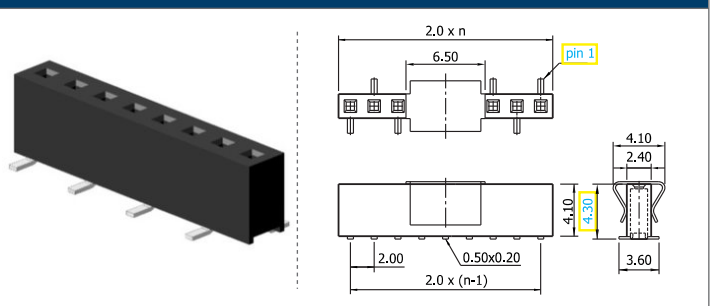
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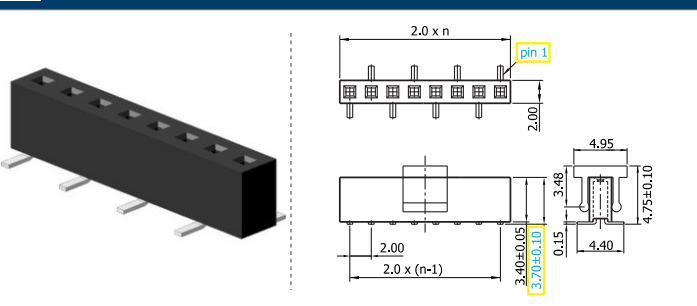
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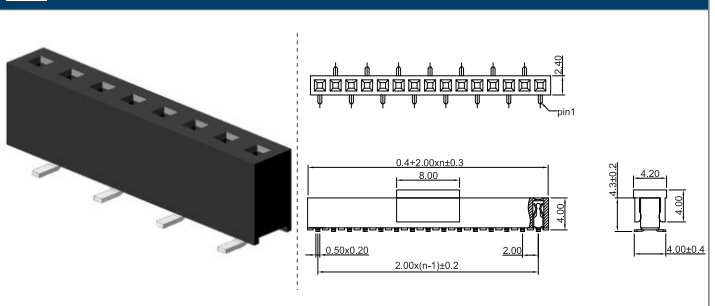
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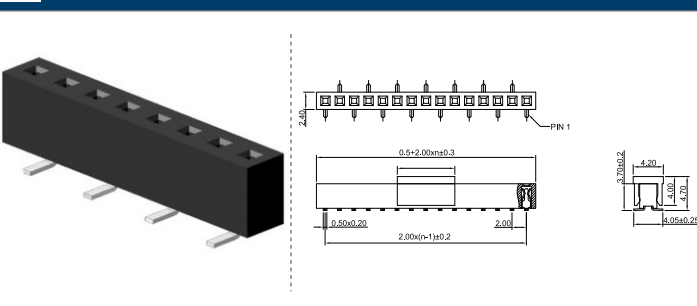
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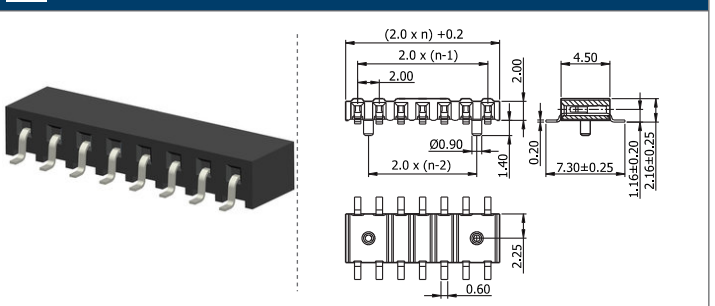
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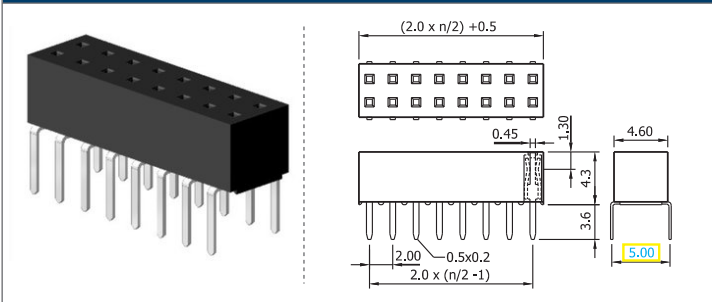
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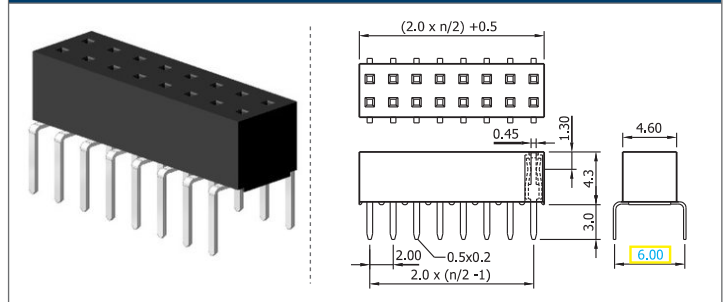


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Please visit: www.gsn.cn.com/download-centre

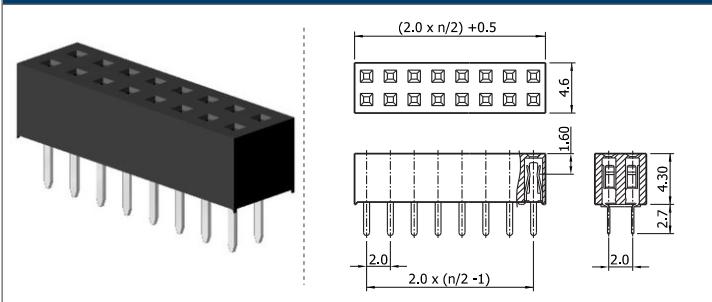
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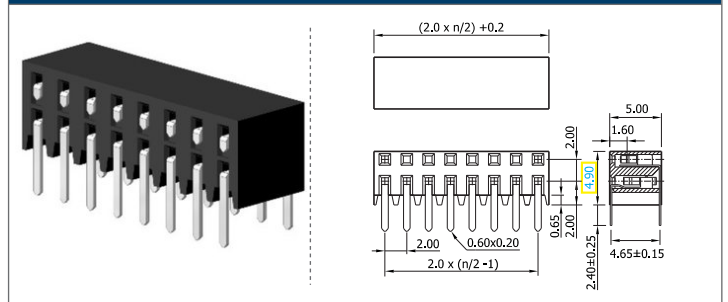
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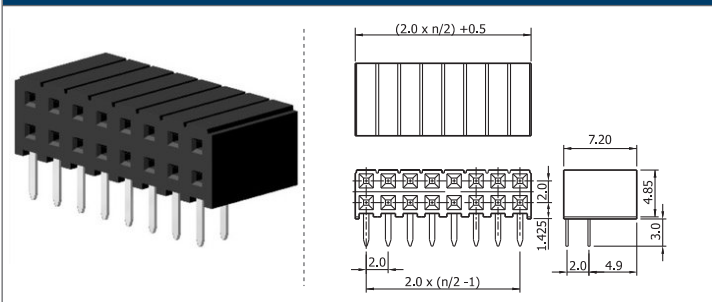
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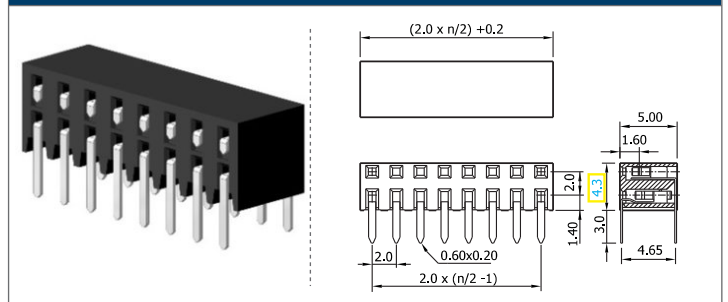
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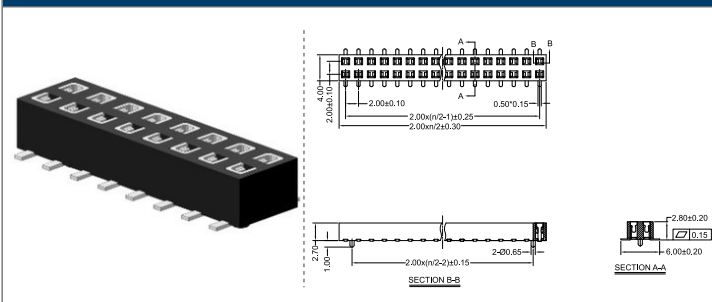
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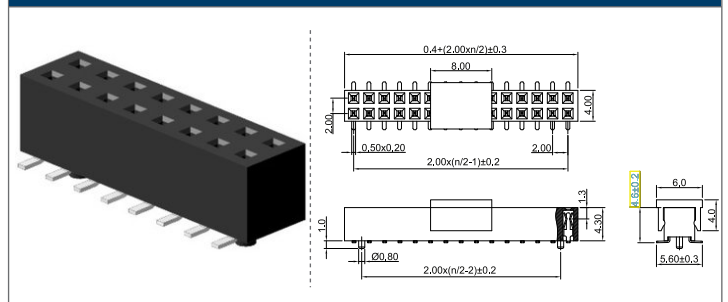
✓ 11S202T9C // webcode: 1041



✓ 11S202S1H // webcode: 1048 bottom contact



✓ 11S202S1B // webcode: 1052



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Female header | 2.00

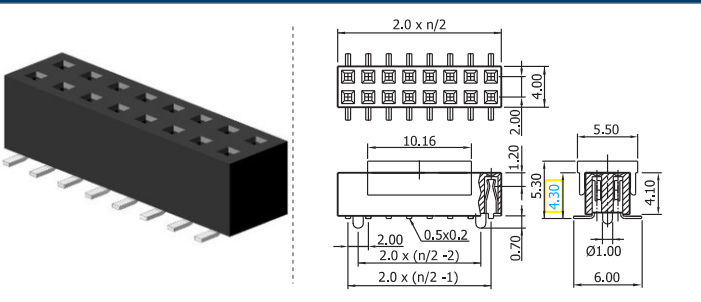
COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code. Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.



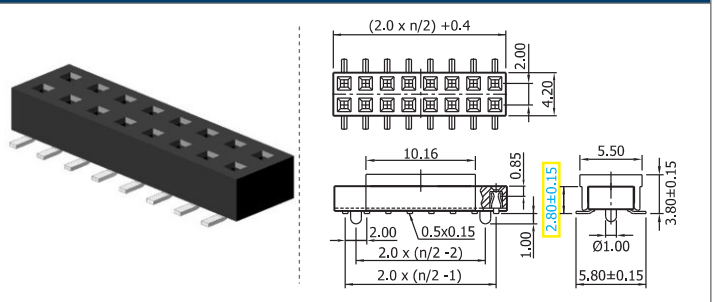
FURTHER PRODUCT INFORMATION is available. Please visit: www.gsn.cn.com/download-centre

BOARD-TO-BOARD

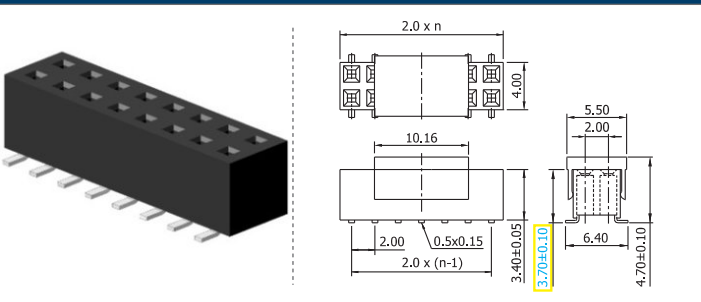
✓ 11S202S1C // webcode: 1051 automotive approved



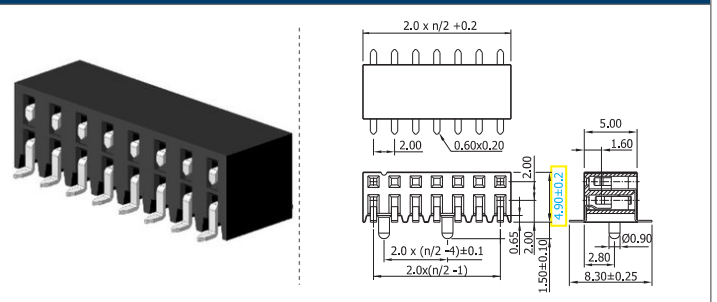
✓ 11S202S1E // webcode: 1049



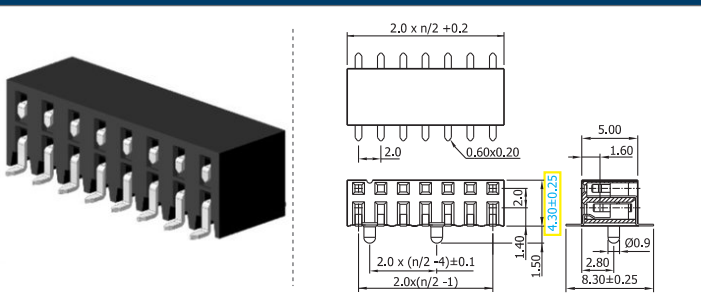
✓ 11S202S1F // webcode: 1050 automotive approved



✓ 11S202S9 // webcode: 1054



✓ 11S202S9A // webcode: 1053



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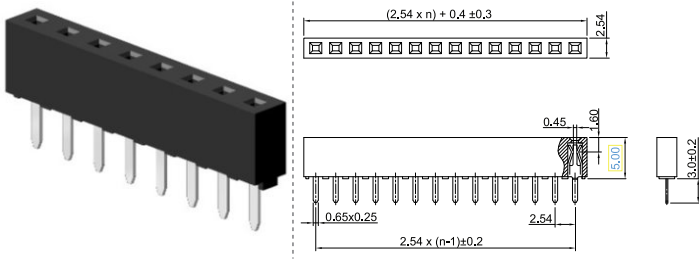
Female header | 2.54

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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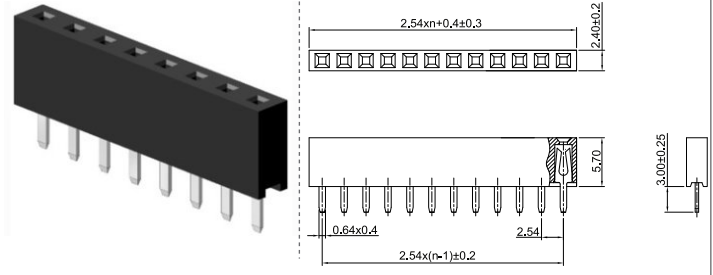


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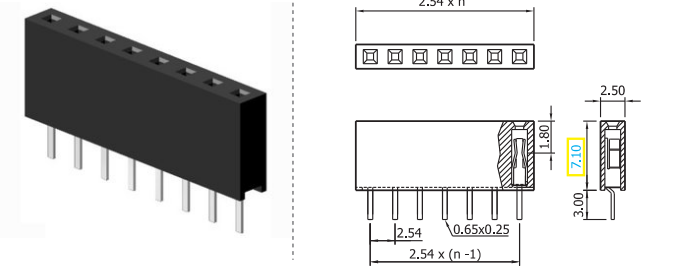
✓ 11S251T1D // webcode: 1055



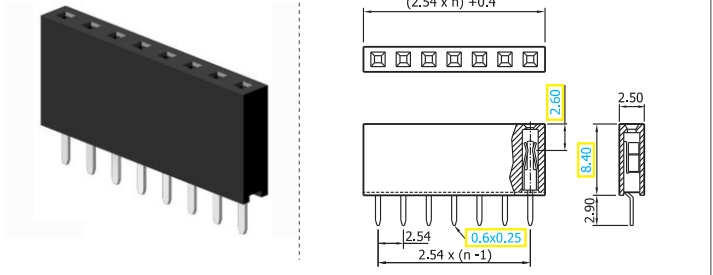
✓ 11S251T1E // webcode: 1056



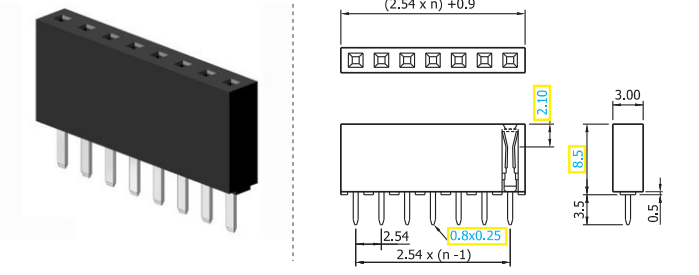
✓ 11S251T1F // webcode: 1057



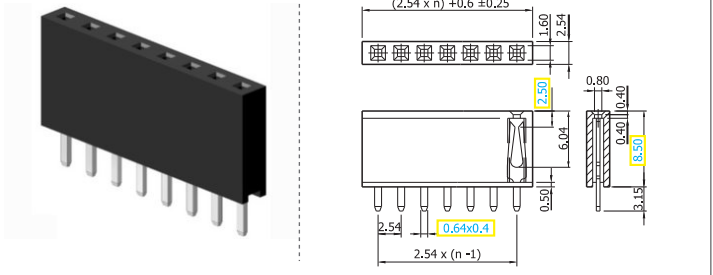
✓ 11S251T1N // webcode: 1058



✓ 11S251T1H // webcode: 1059

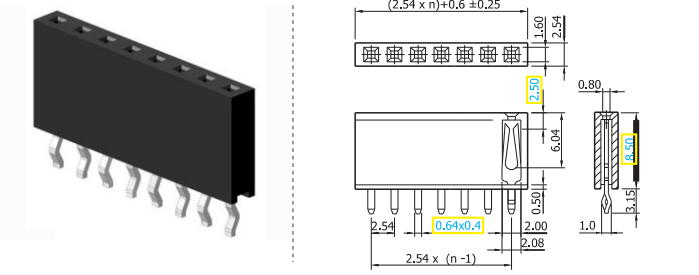


✓ 11S251T1G // webcode: 1060



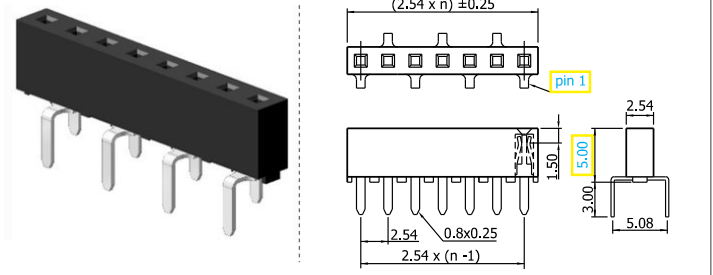
✓ 11S251T1P // webcode: 1061

kinked pins



✓ 11S251T1C // webcode: 1062

automotive approved



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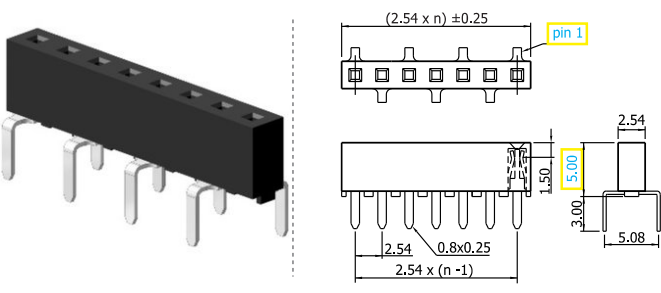
Female header | 2.54

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

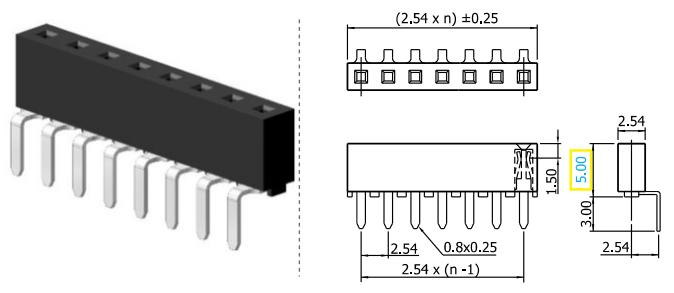


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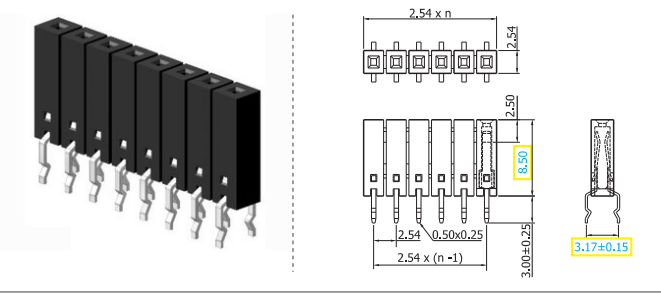
✓ 11S251T1B // webcode: 1063



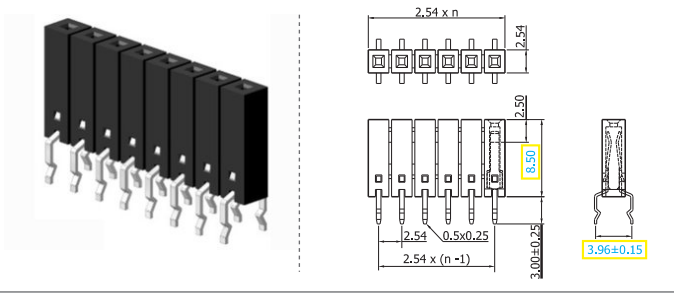
✓ 11S251T1A // webcode: 1064



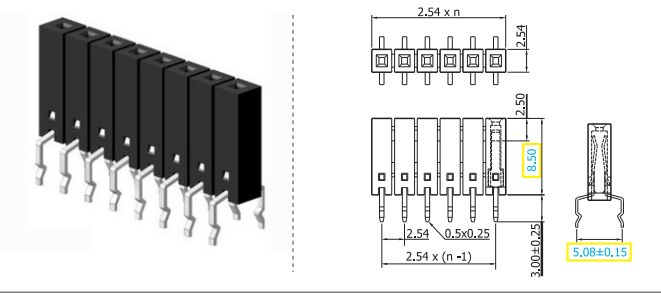
✓ 11S251T1T // webcode: 1065 bottom contact automotive approved



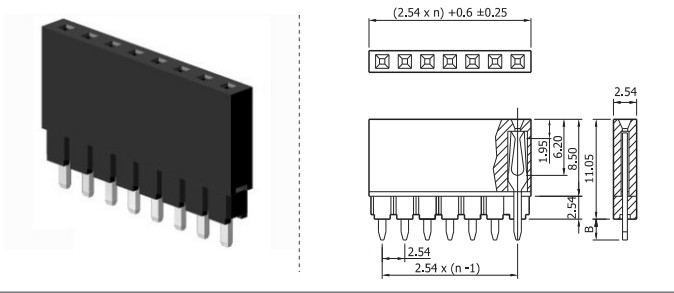
✓ 11S251T1R // webcode: 1066 bottom contact automotive approved



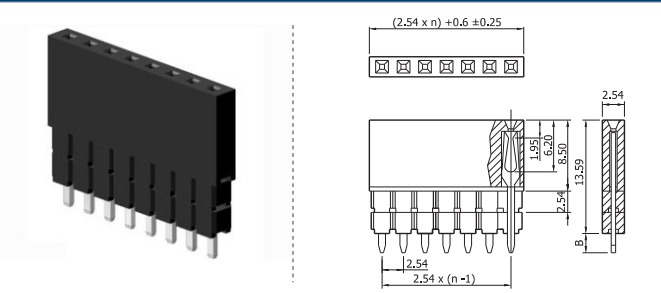
✓ 11S251T1S // webcode: 1067 bottom contact automotive approved



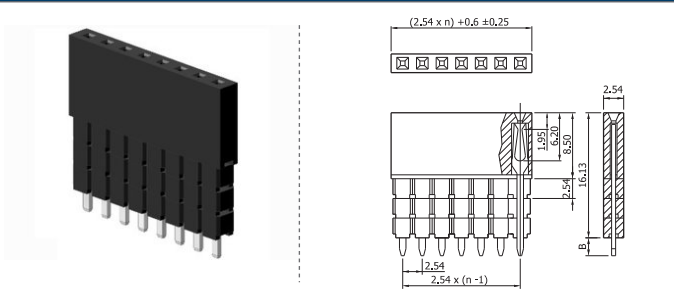
✓ 11S251T1J // webcode: 1068 H=11.05



✓ 11S251T1K // webcode: 1069 H=13.59



✓ 11S251T1L // webcode: 1070 H=16.13



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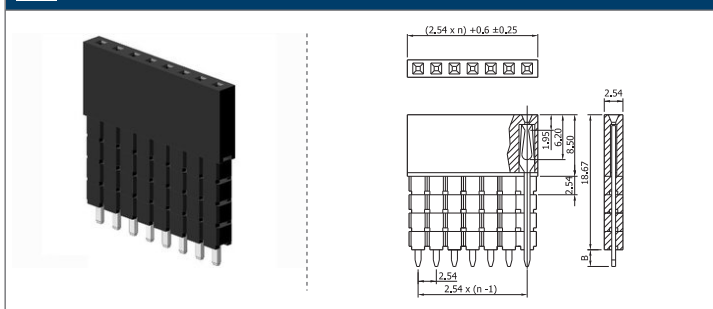
Female header | 2.54

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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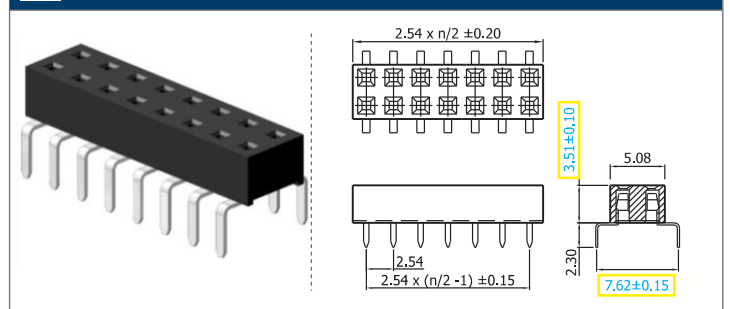


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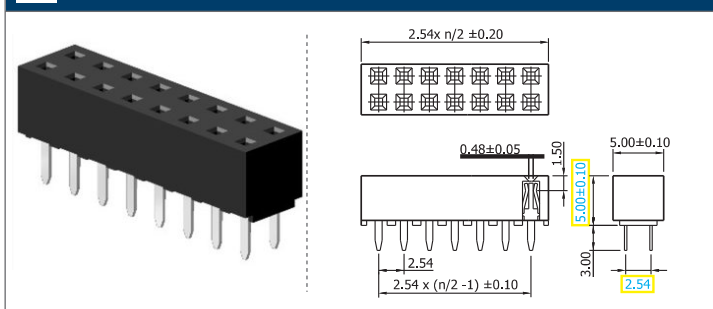
✓ 11S251T1M // webcode: 1071 H=18.67



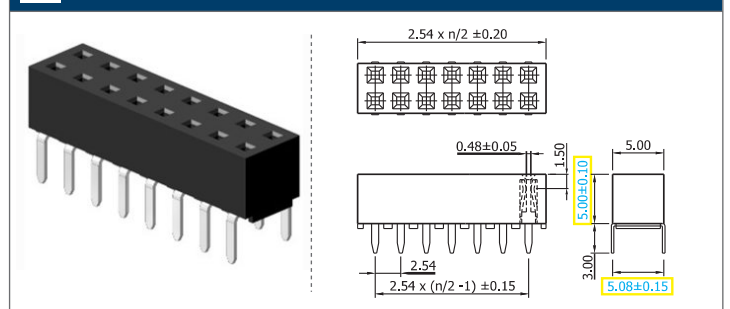
✓ 11S252T1N // webcode: 1072 bottom contact



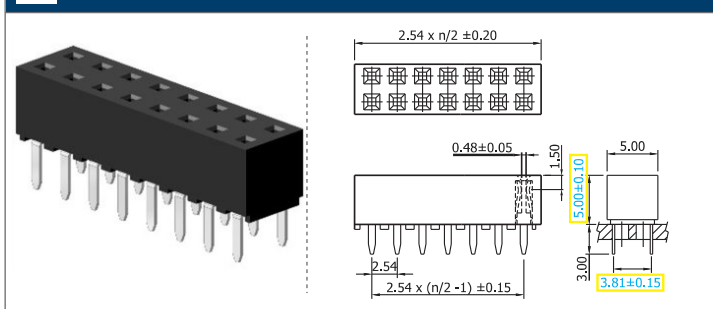
✓ 11S252T1D // webcode: 1073



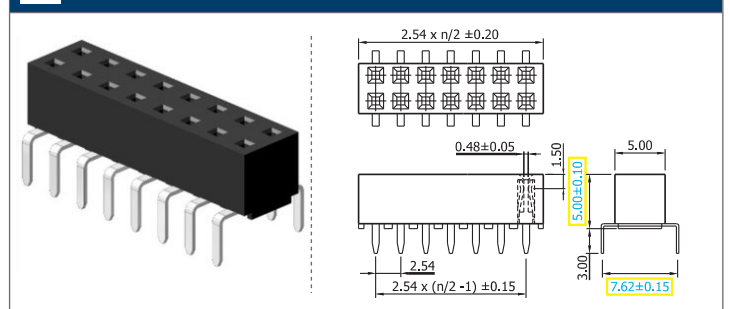
✓ 11S252T1B // webcode: 1074 bottom contact



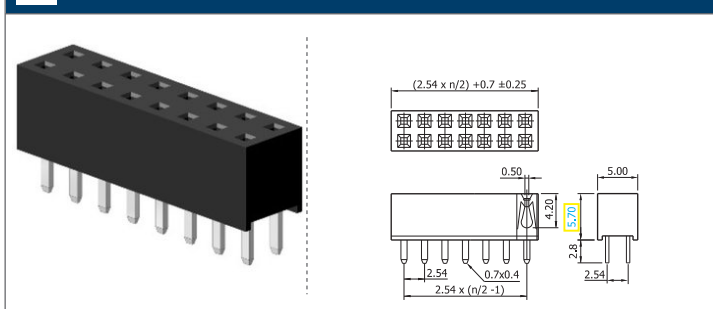
✓ 11S252T1A // webcode: 1075 bottom contact



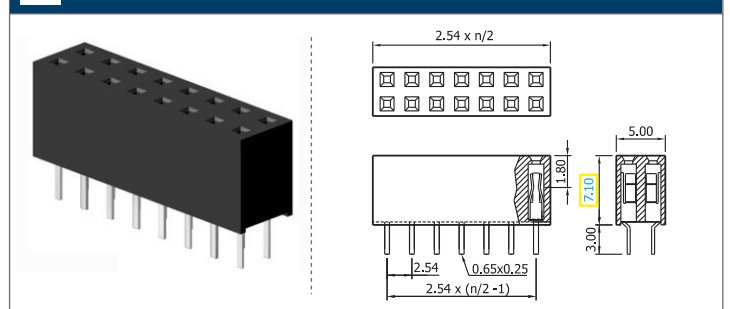
✓ 11S252T1C // webcode: 1076 bottom contact



✓ 11S252T1E // webcode: 1077



✓ 11S252T1F // webcode: 1078



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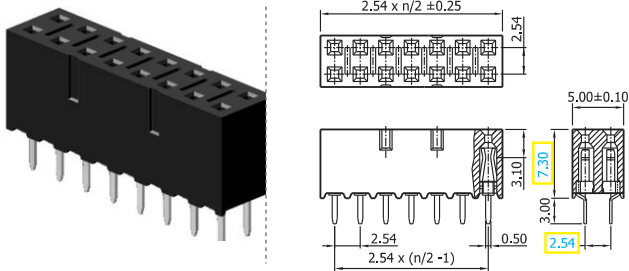
Female header | 2.54

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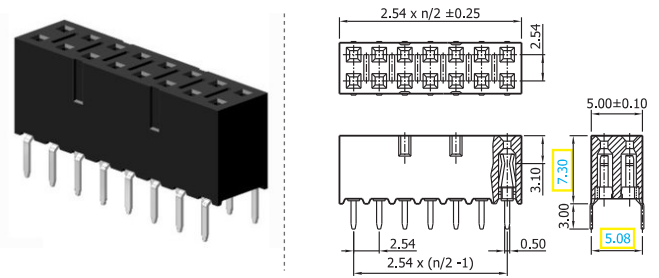
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✓ 11S252T1W // webcode: 1079



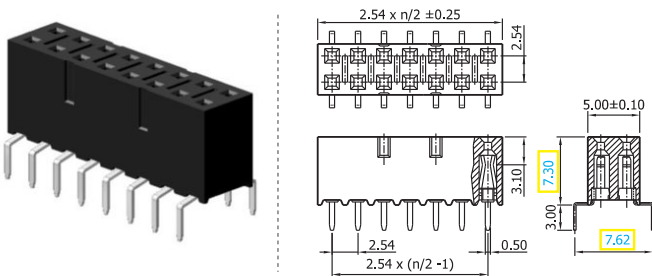
✓ 11S252T1X // webcode: 1080

bottom contact

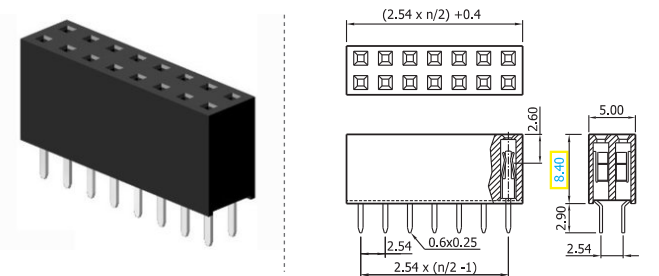


✓ 11S252T1Z // webcode: 1081

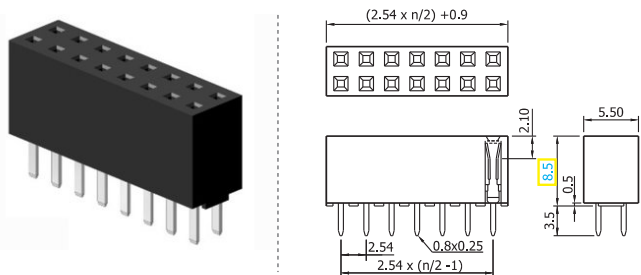
bottom contact



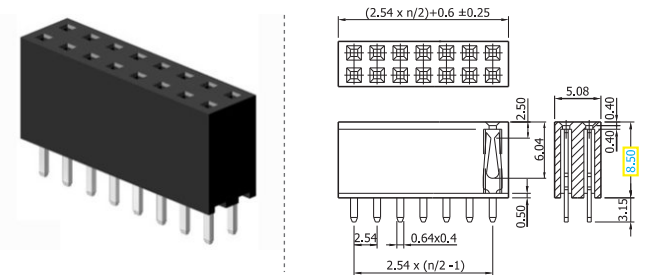
✓ 11S252T1P // webcode: 1082



✓ 11S252T1H // webcode: 1083

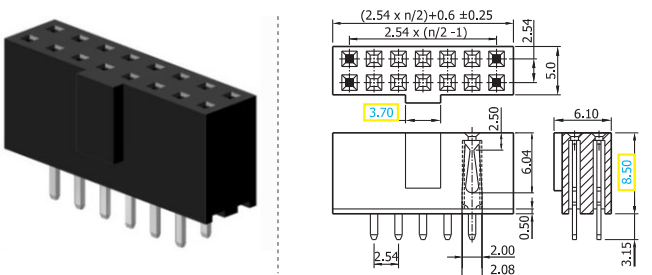


✓ 11S252T1G // webcode: 1084



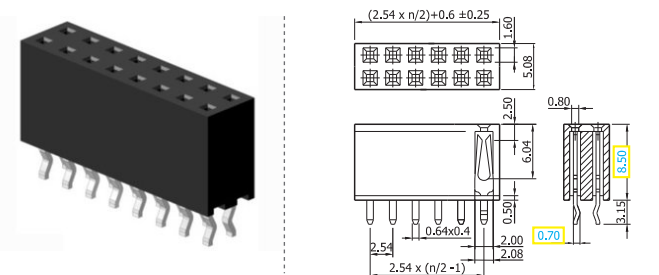
✓ 11S252T1S // webcode: 1085

void 4 pins



✓ 11S252T1T // webcode: 1086

kinked pins



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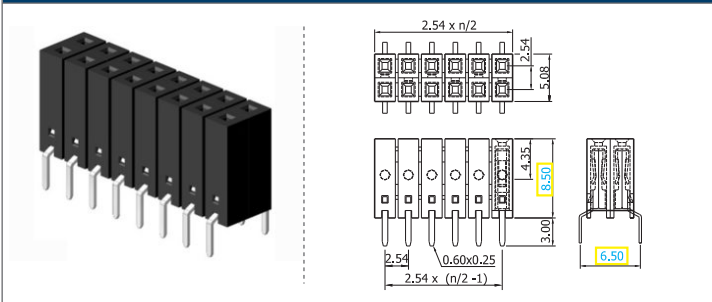
Female header | 2.54

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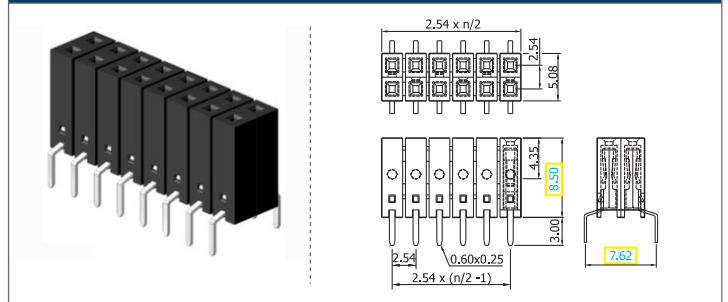


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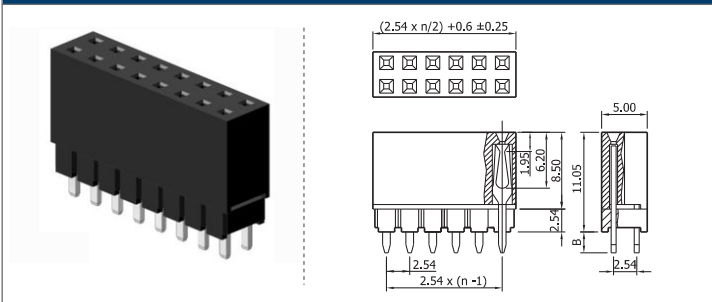
✓ 11S252T1U // webcode: 1087 bottom contact



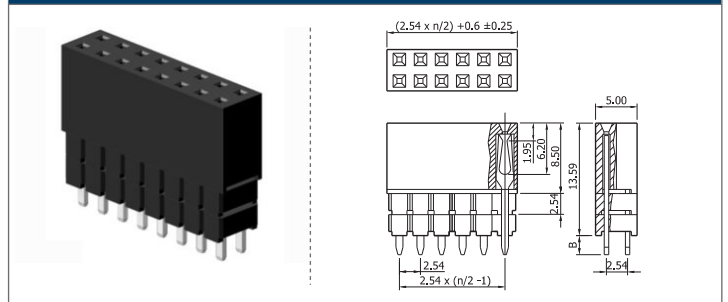
✓ 11S252T1V // webcode: 1088 bottom contact



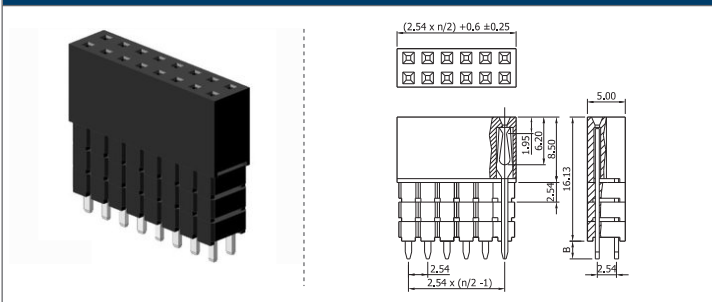
✓ 11S252T1J // webcode: 1089 H=11.05



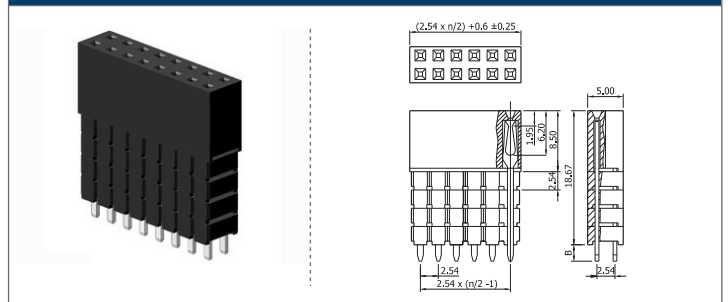
✓ 11S252T1K // webcode: 1090 H=13.59



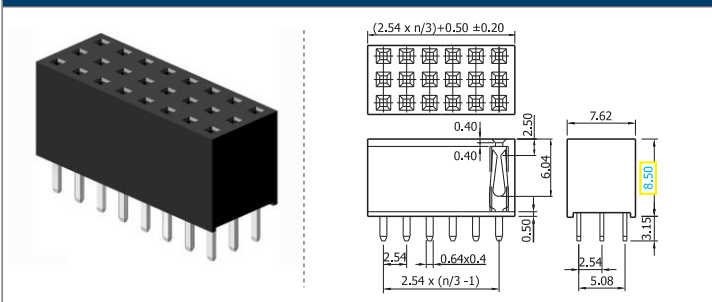
✓ 11S252T1L // webcode: 1091 H=16.13



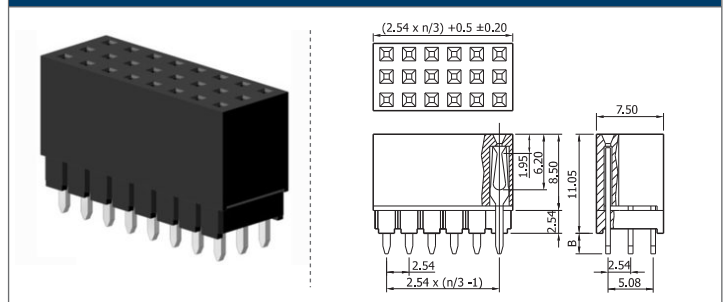
✓ 11S252T1M // webcode: 1092 H=18.67



✓ 11S253T1A // webcode: 1093



✓ 11S253T1B // webcode: 1094 H=11.05



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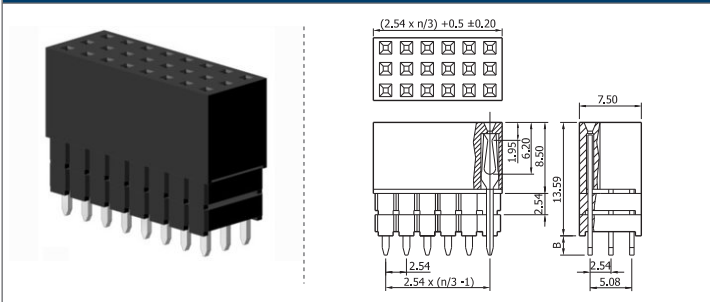
Female header | 2.54

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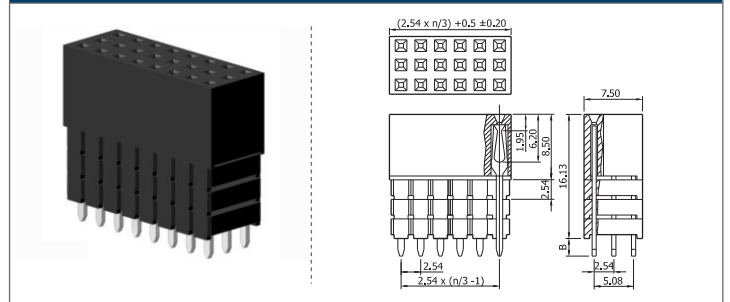


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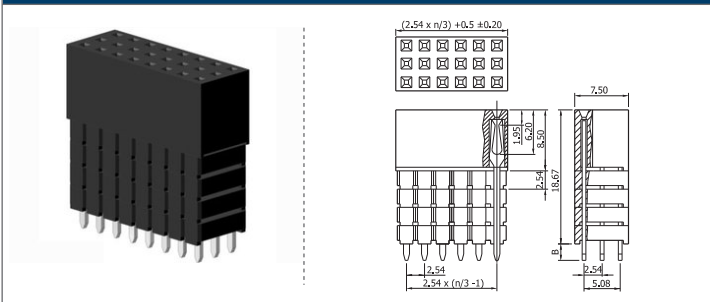
✓ 11S253T1C // webcode: 1095 H=13.59



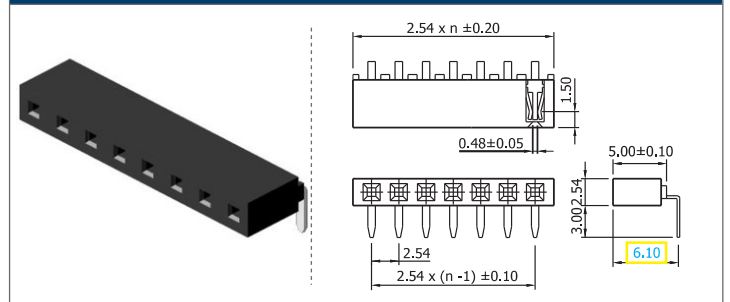
✓ 11S253T1D // webcode: 1096 H=16.13



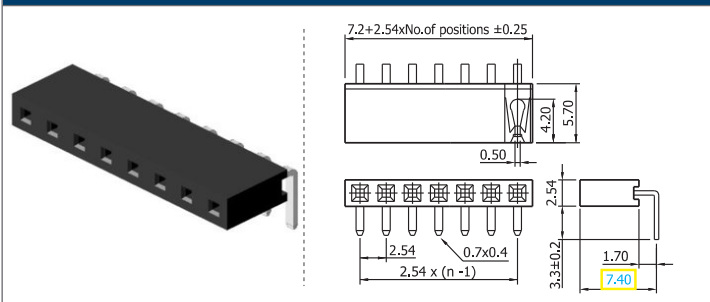
✓ 11S253T1E // webcode: 1097 H=18.67



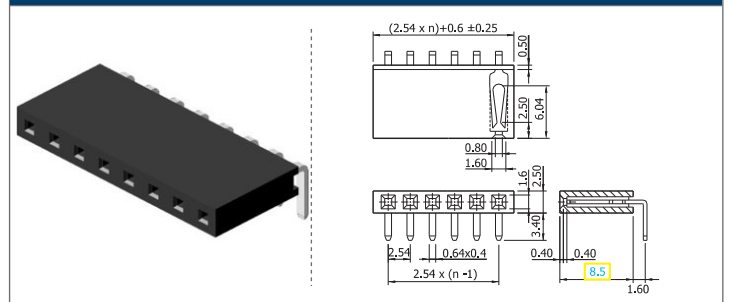
✓ 11S251T9B // webcode: 1098



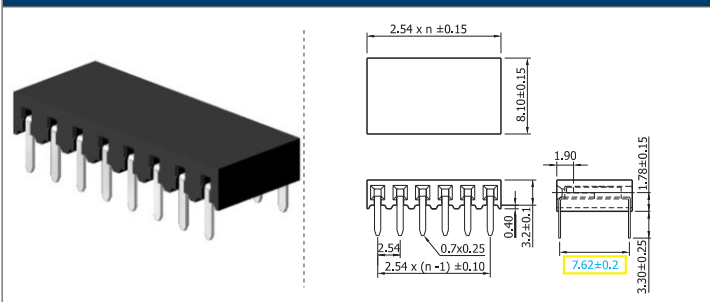
✓ 11S251T9D // webcode: 1099



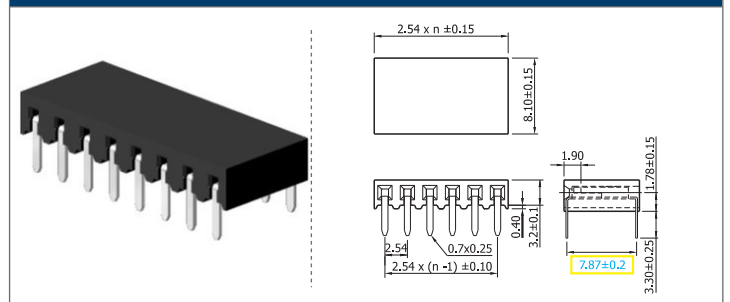
✓ 11S251T9A // webcode: 1100



✓ 11S251T9C // webcode: 1101



✓ 11S251T9E // webcode: 1102



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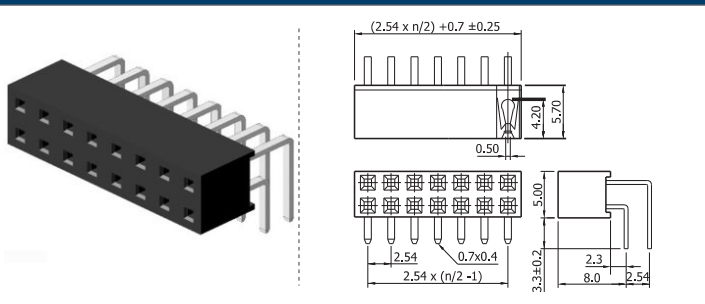
Female header | 2.54

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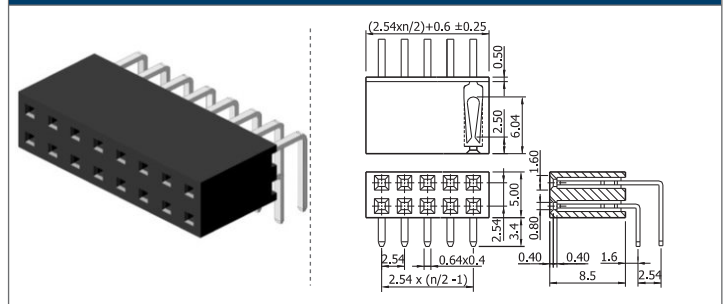


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✓ 11S252T9C // webcode: 1103

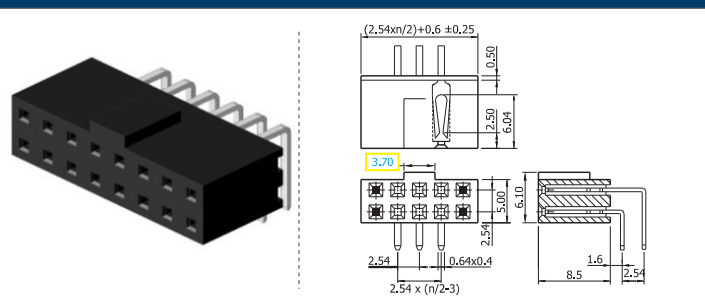


✓ 11S252T9A // webcode: 1104

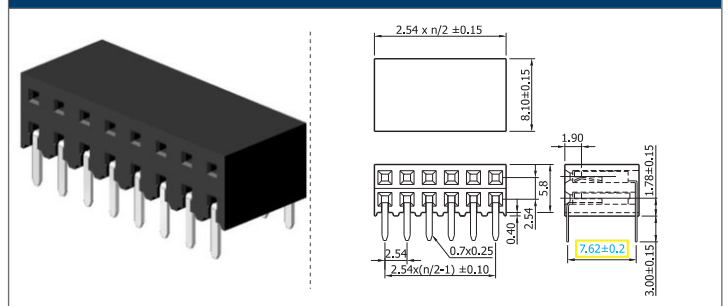


✓ 11S252T9E // webcode: 1105

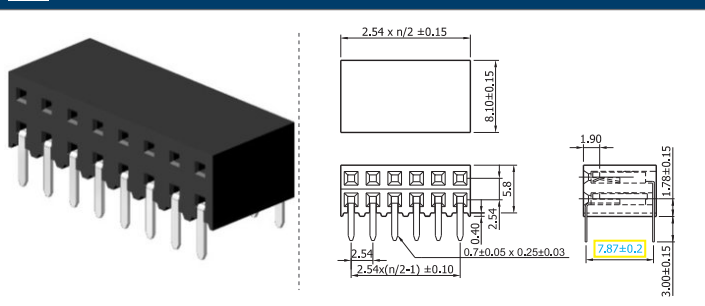
void 4 pins



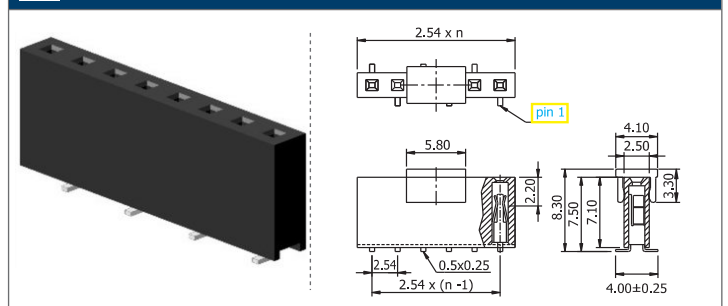
✓ 11S252T9B // webcode: 1106



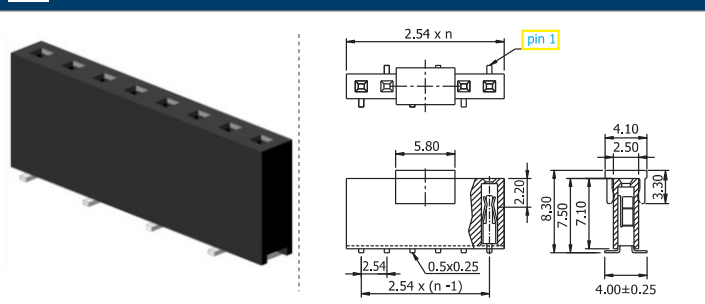
✓ 11S252T9D // webcode: 1107



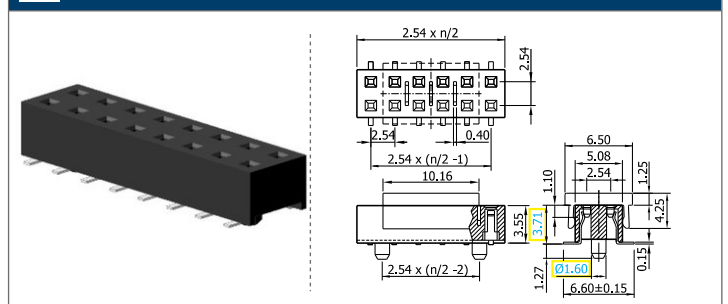
✓ 11S251S1 // webcode: 1108



✓ 11S251S1A // webcode: 1109



✓ 11S252S1C // webcode: 1110



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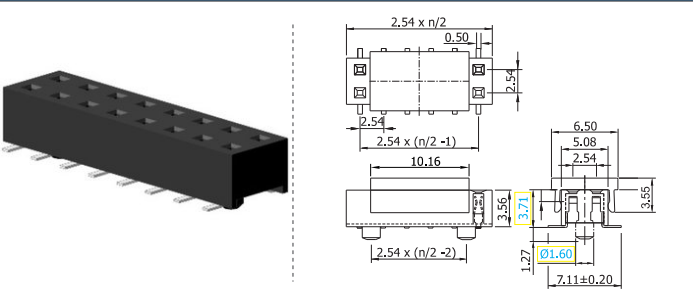
Female header | 2.54

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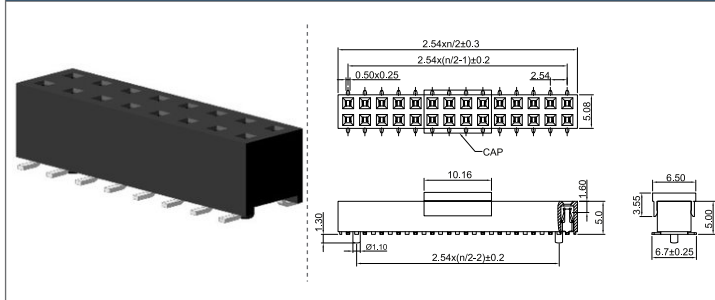


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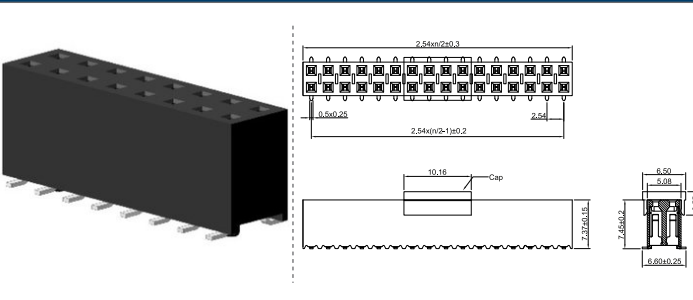
✓ 11S252S1F // webcode: 1111 bottom contact automotive approved



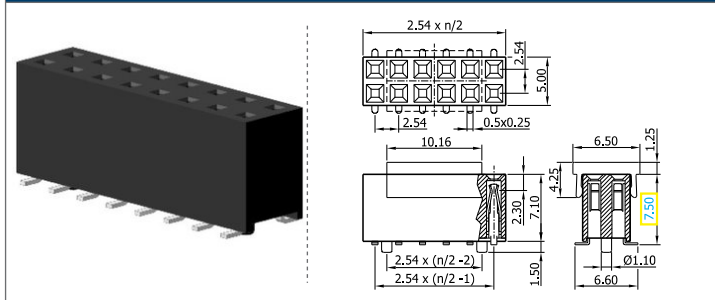
✓ 11S252S1A // webcode: 1112 bottom contact



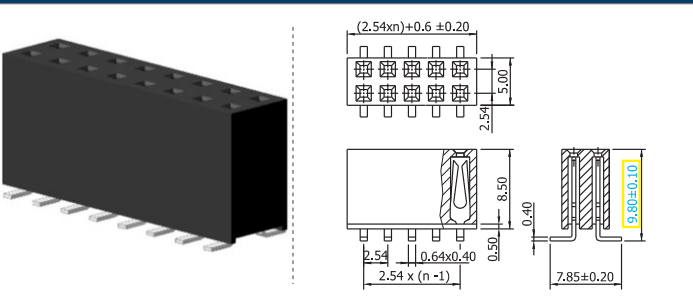
✓ 11S252S1N // webcode: 1113 bottom contact



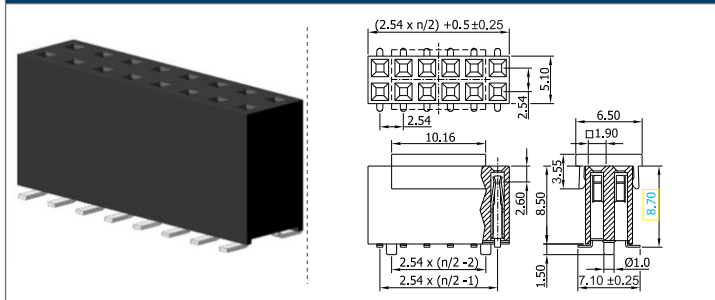
✓ 11S252S1B // webcode: 1114 bottom contact



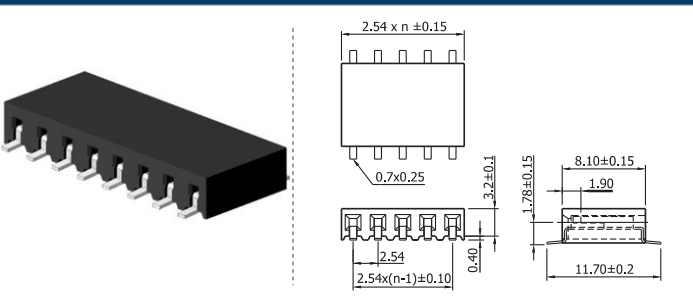
✓ 11S252S1M // webcode: 1115



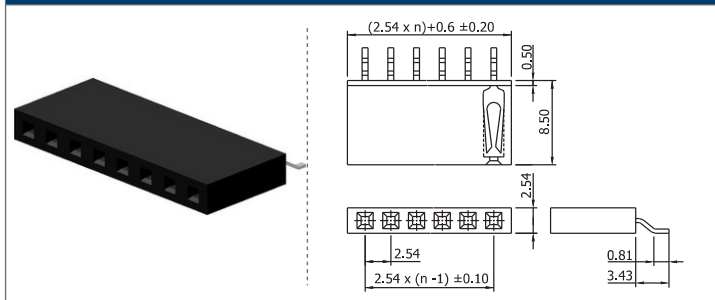
✓ 11S252S1P // webcode: 1116 bottom contact



✓ 11S251S9 // webcode: 1117



✓ 11S251S9A // webcode: 1118



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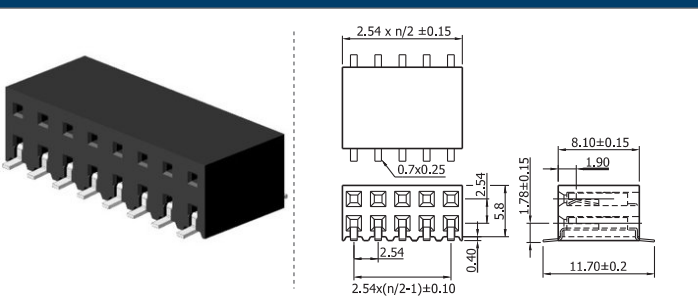
Female header | 2.54

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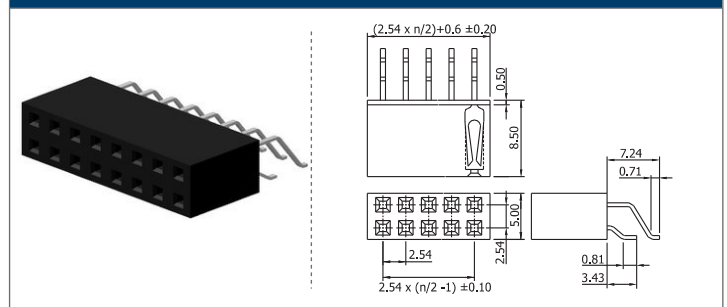


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✓ 11S252S9 // webcode: 1119



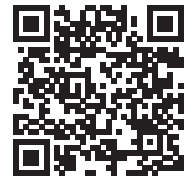
✓ 11S252S9B // webcode: 1120



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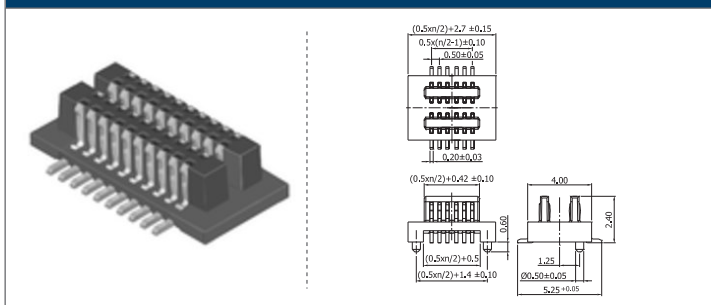
Male header | SMT 0.50

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

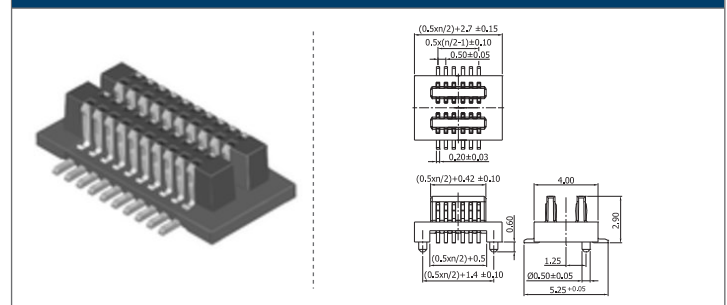


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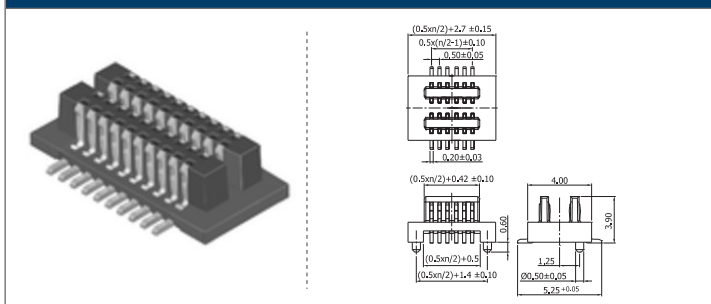
✓ 14052S1D // webcode: 1275



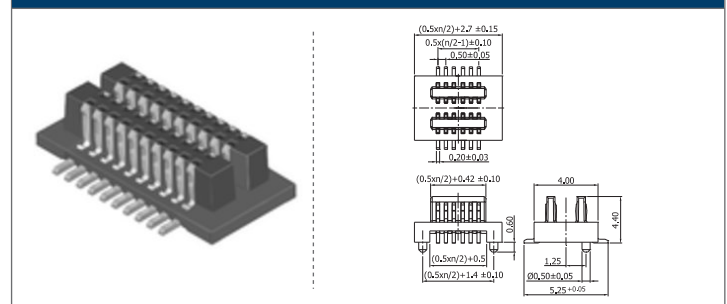
✓ 14052S1E // webcode: 1276



✓ 14052S1F // webcode: 1277



✓ 14052S1G // webcode: 1278



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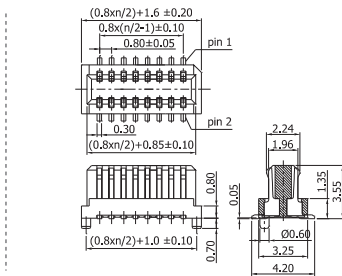
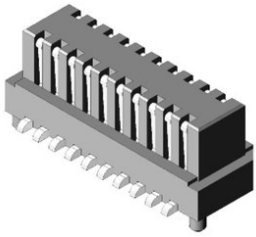
Male header | SMT 0.80

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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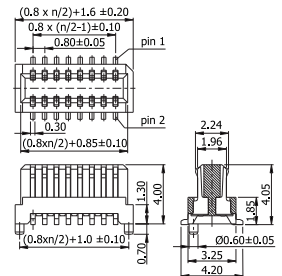
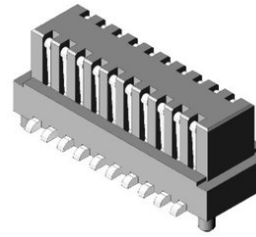


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✓ 14082S1A // webcode: 1273



✓ 14082S1B // webcode: 1274



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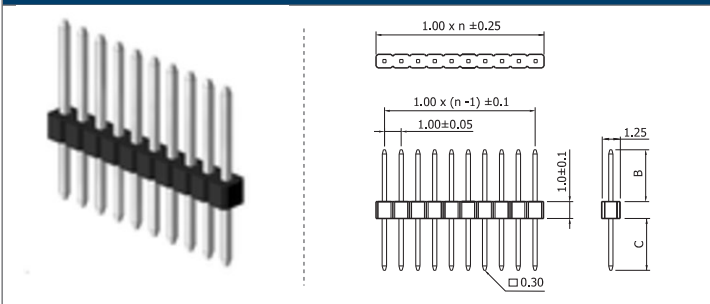
Male header | 1.00

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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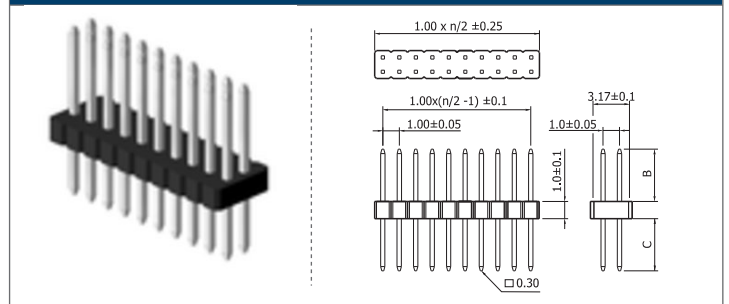


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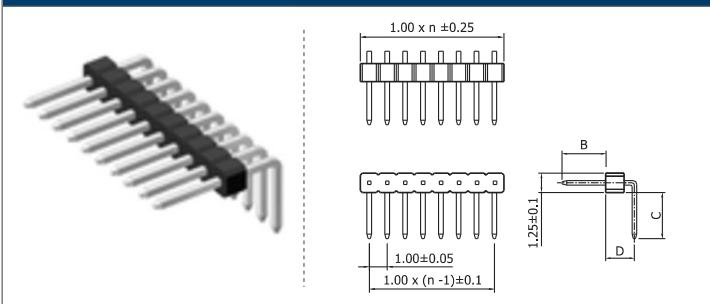
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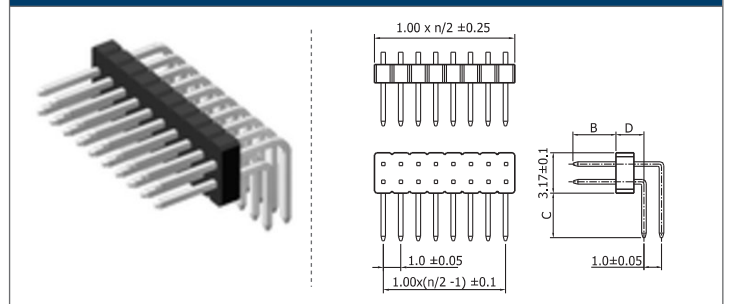
✓ 14102T1 // webcode: 1261



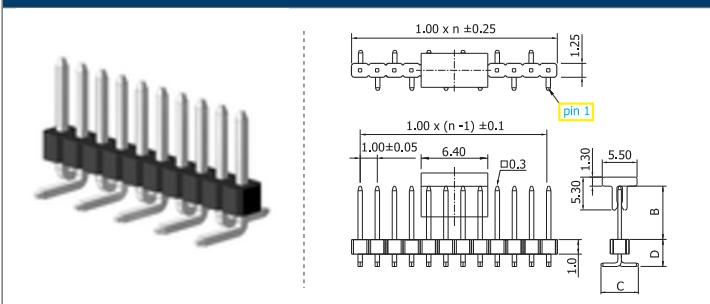
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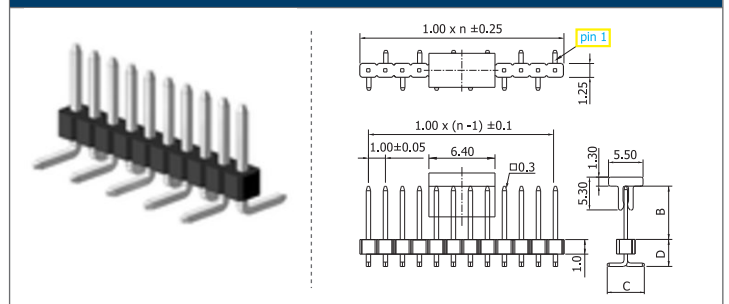
✓ 14102T9 // webcode: 1262



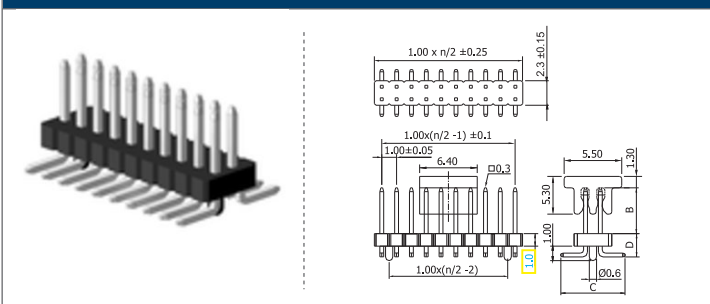
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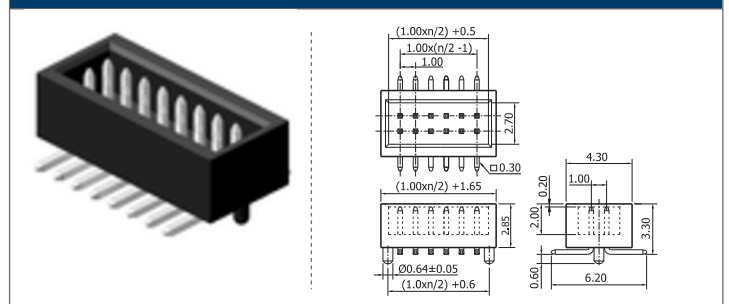
✓ 14101S1A // webcode: 1267 automotive approved



✓ 14102S1 // webcode: 1268 automotive approved



✓ 14102S1B // webcode: 1272



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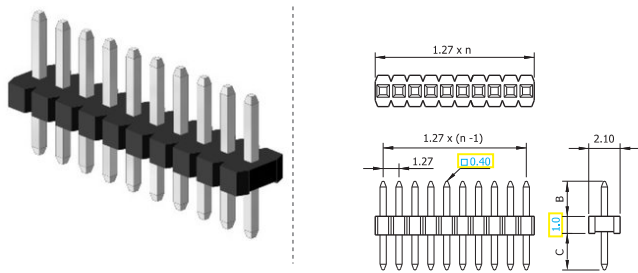
Male header | 1.27

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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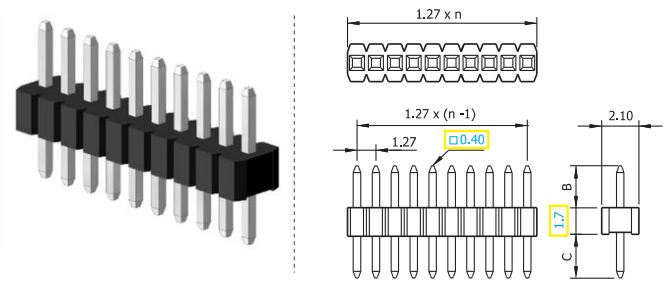


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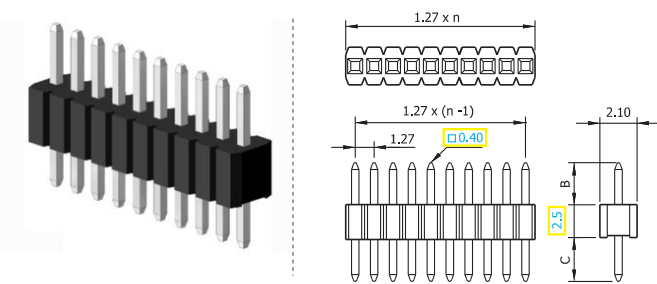
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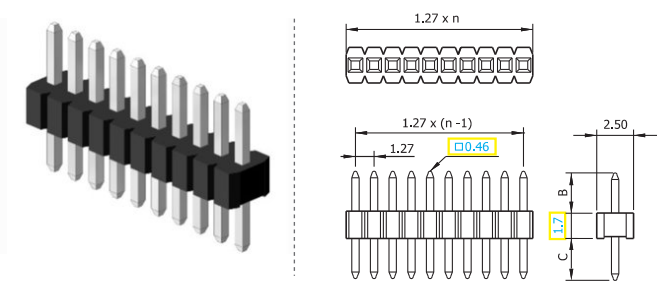
✓ 14121T1D // webcode: 1222



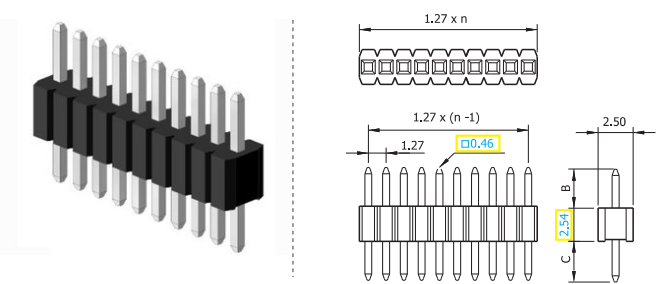
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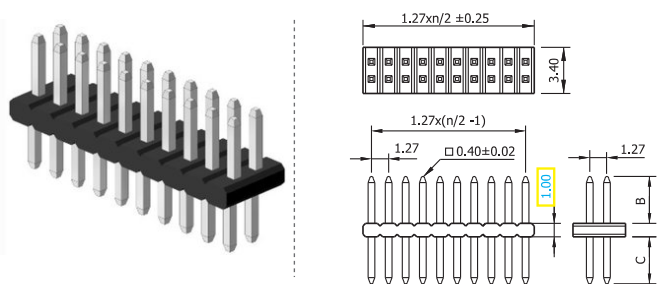
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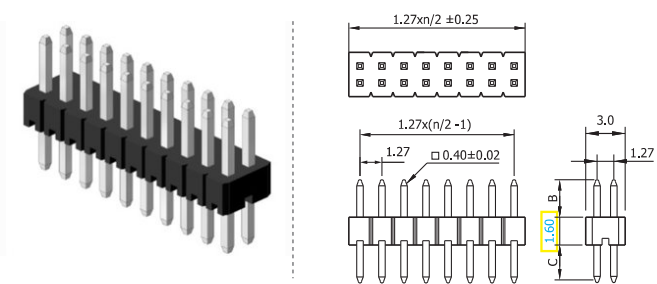
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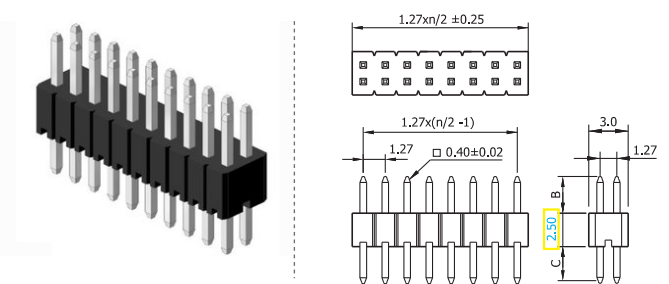
✓ 14122T1A // webcode: 1226



✓ 14122T1B // webcode: 1227



✓ 14122T1C // webcode: 1228



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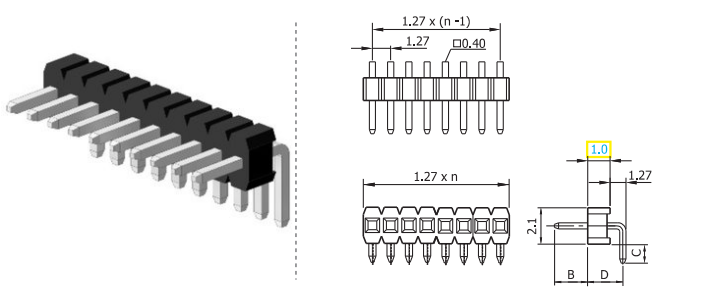
Male header | 1.27

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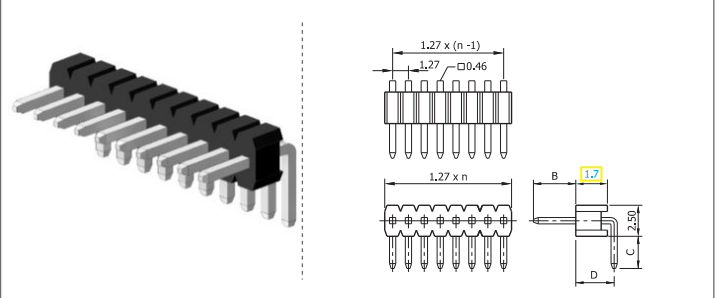


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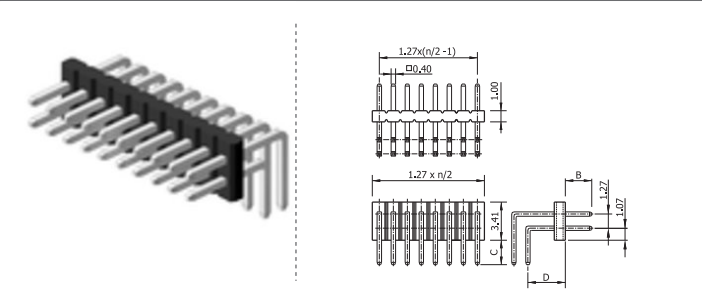
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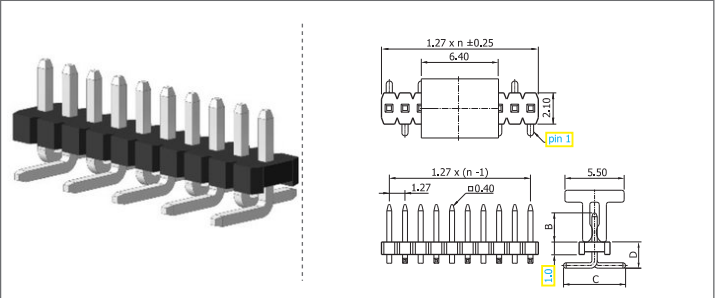
✓ 14121T9 // webcode: 1230



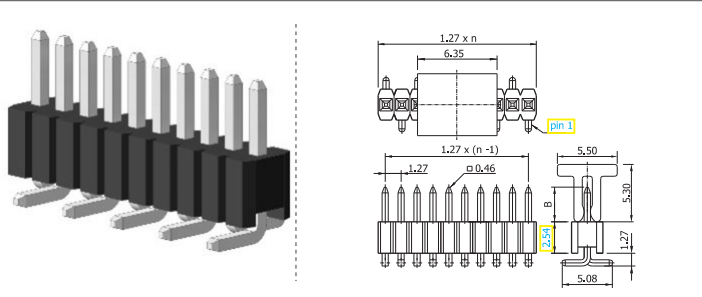
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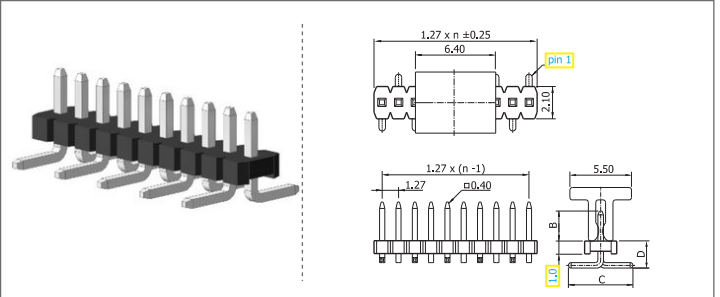
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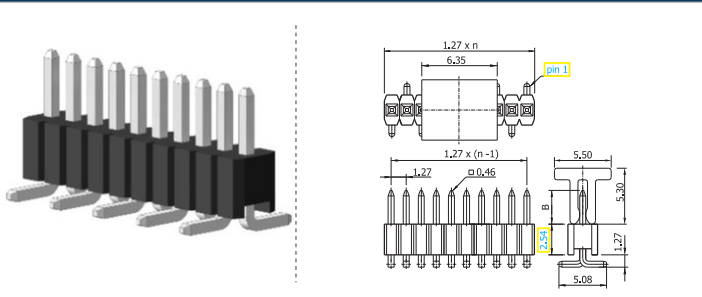
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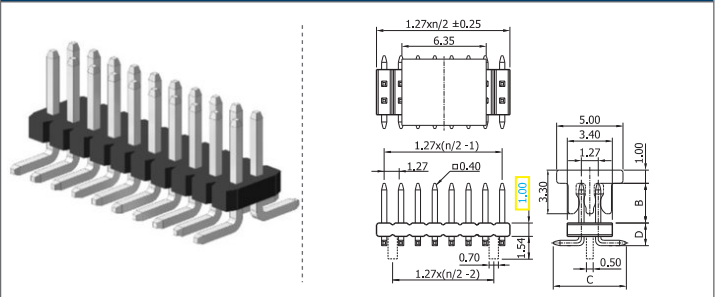
✓ 14121S1C // webcode: 1238



✓ 14121S1D // webcode: 1240



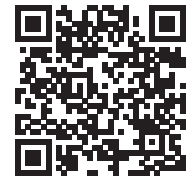
✓ 14122S1 // webcode: 1241



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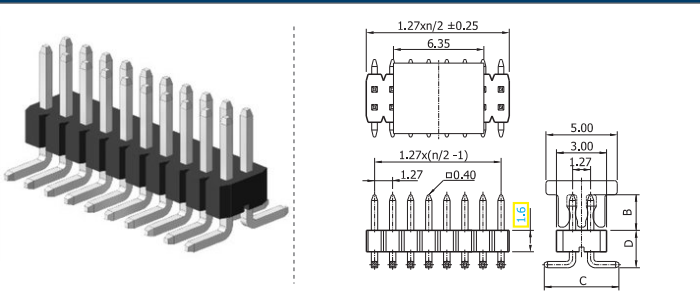
Male header | 1.27

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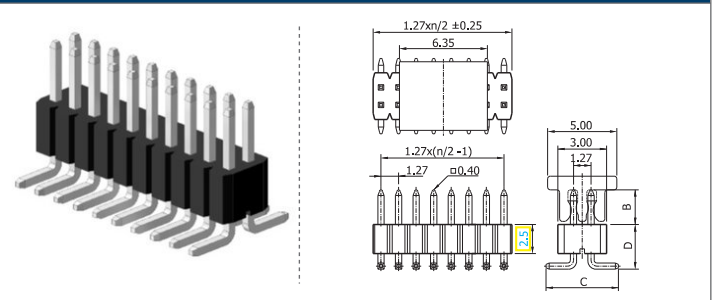


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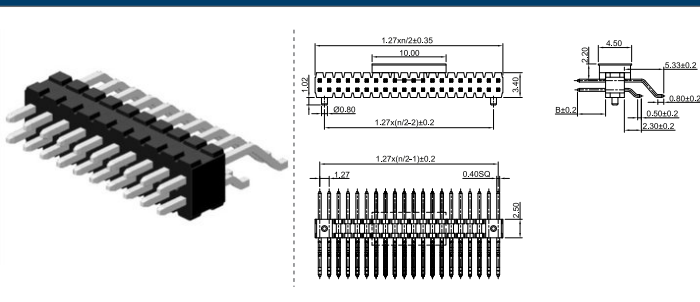
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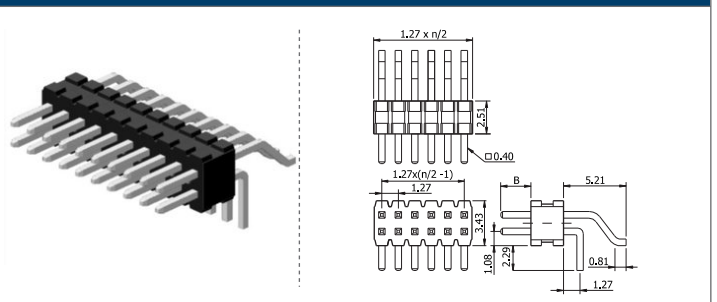
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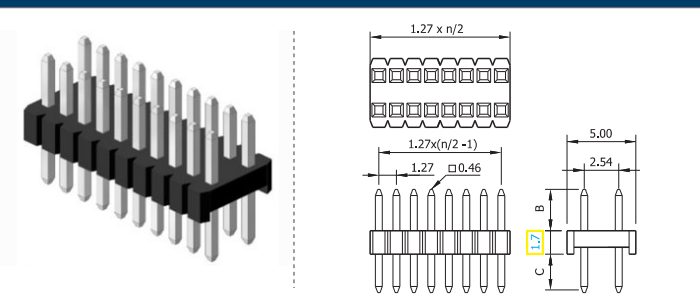
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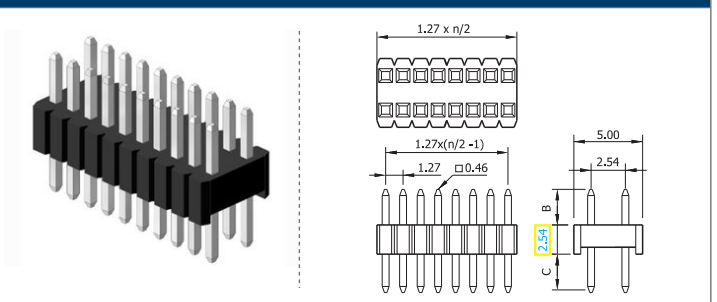
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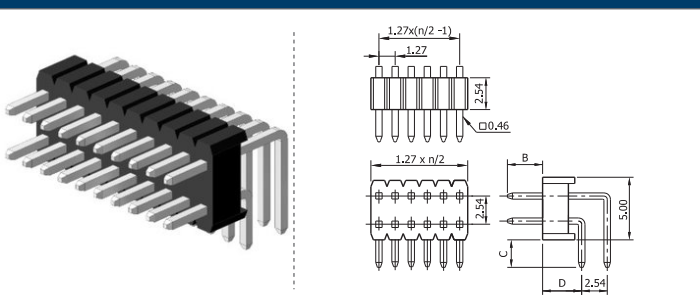
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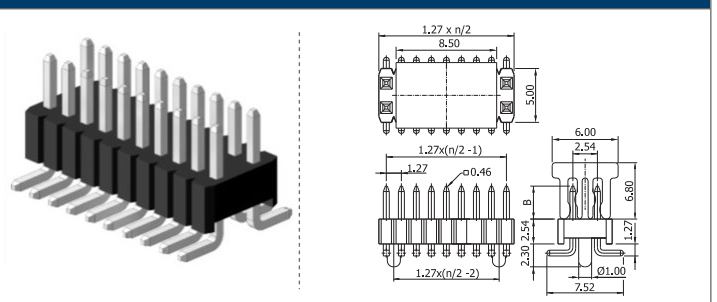
✓ 14132T1 // webcode: 1254



✓ 14132T9 // webcode: 1256



✓ 14132S1 // webcode: 1257



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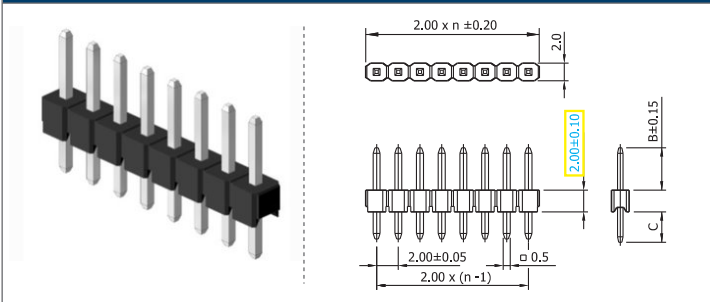
Male header | 2.00

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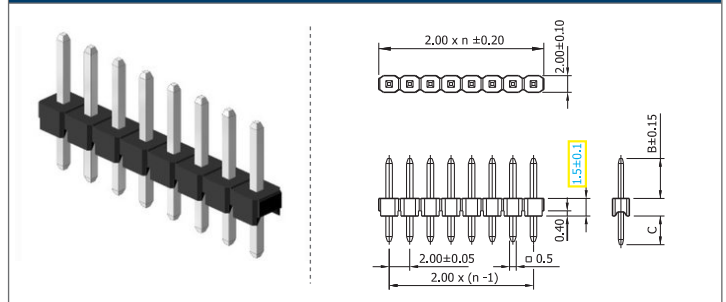


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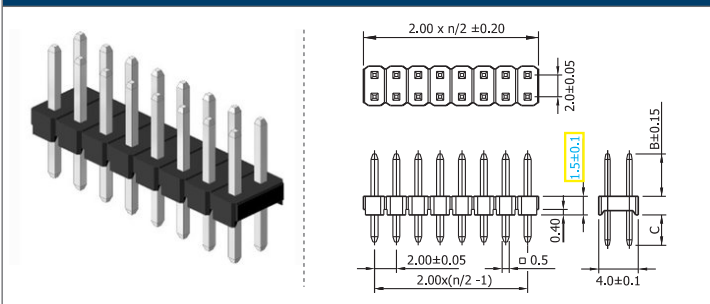
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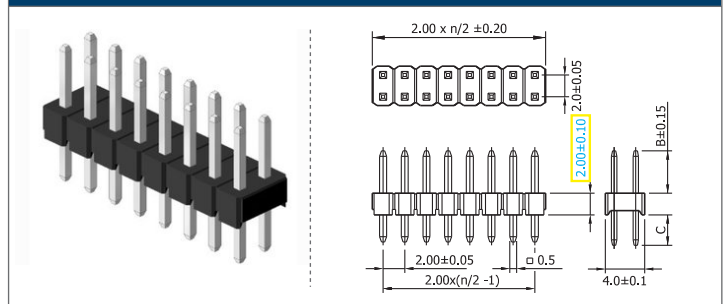
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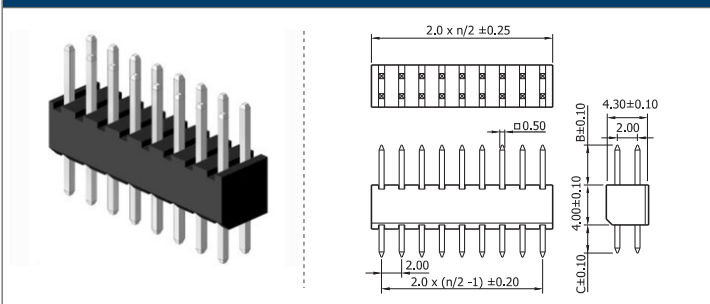
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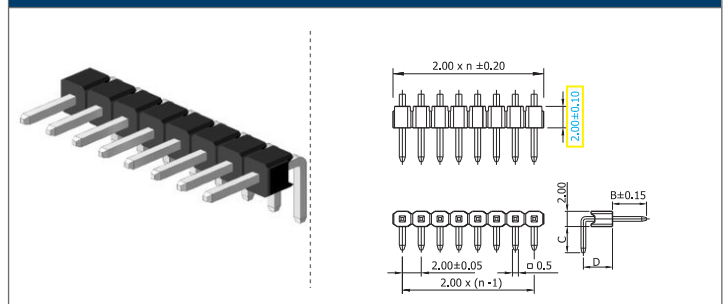
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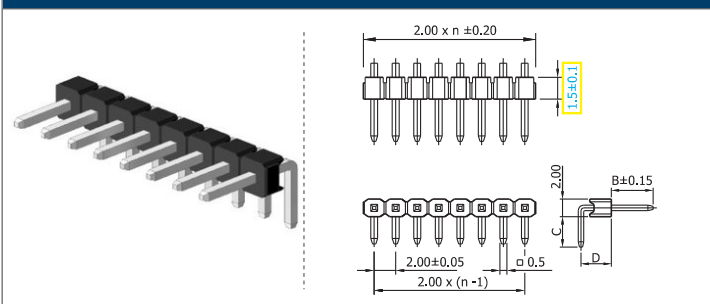
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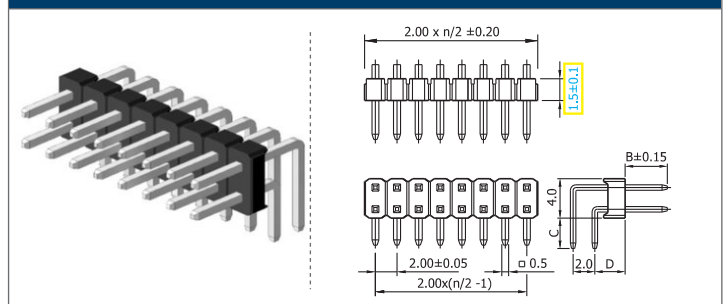
✓ 14201T9 // webcode: 1209



✓ 14201T9A // webcode: 1208



✓ 14202T9C // webcode: 1210



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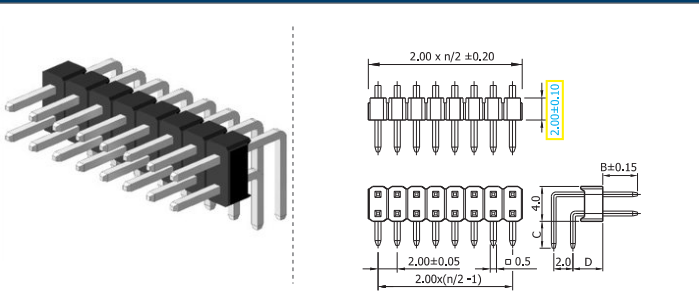
Male header | 2.00

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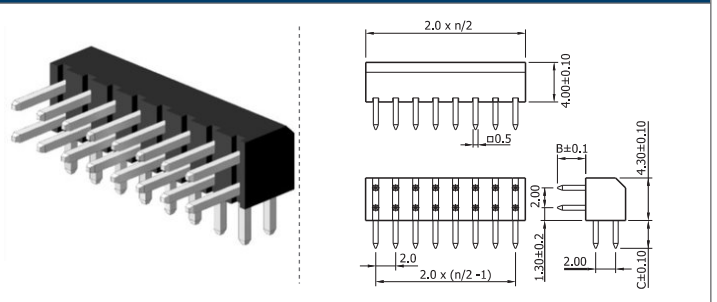


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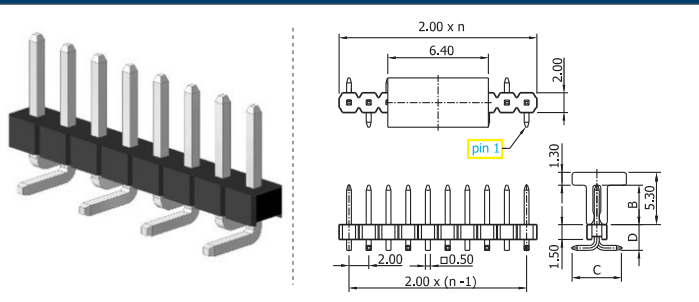
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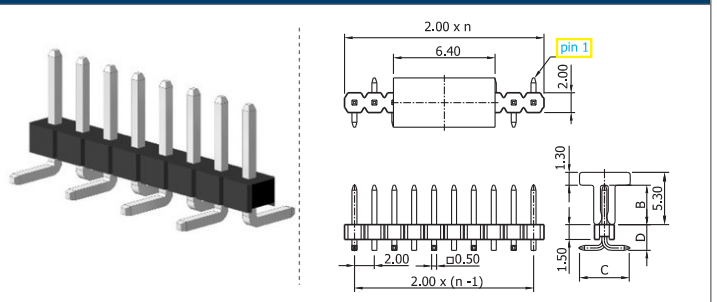
✓ 14202T9B // webcode: 1212 automotive approved



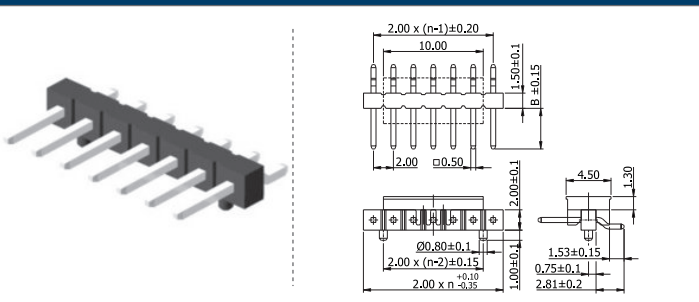
✓ 14201S1 // webcode: 1213



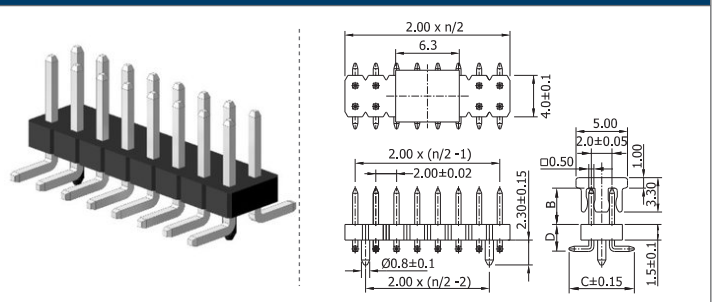
✓ 14201S1A // webcode: 1214



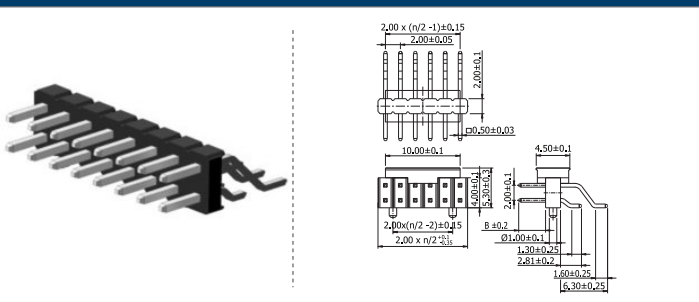
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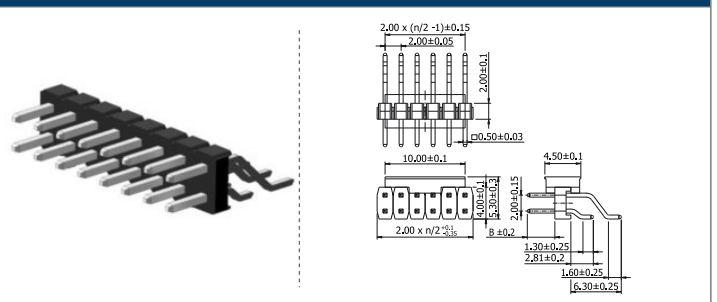
✓ 14202S1 // webcode: 1217 automotive approved



✓ 14202S9 // webcode: 1216



✓ 14202S9 // webcode: 1625



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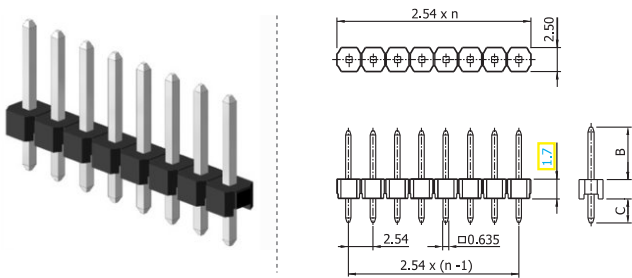
Male header | 2.54

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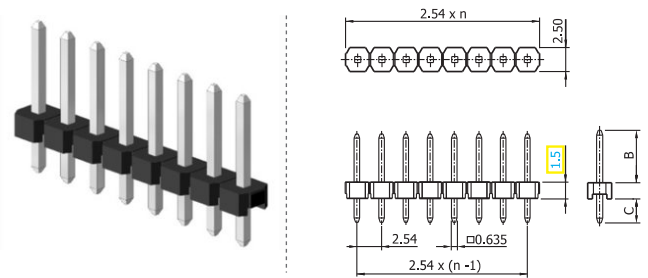


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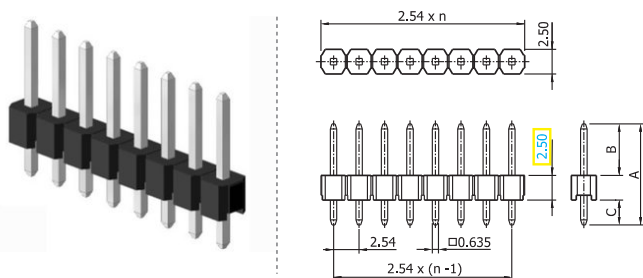
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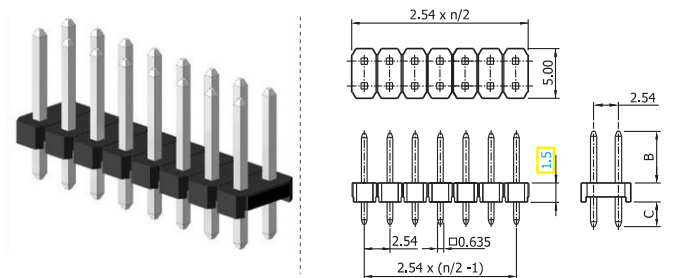
✓ 14251T1B // webcode: 1001



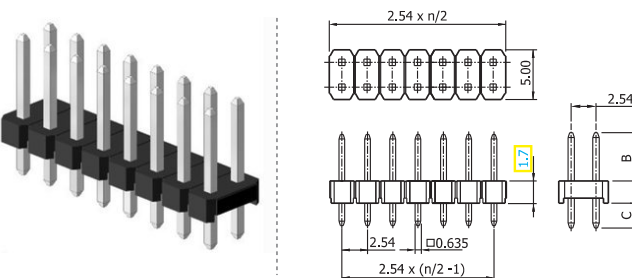
✓ 14251T1 // webcode: 1162



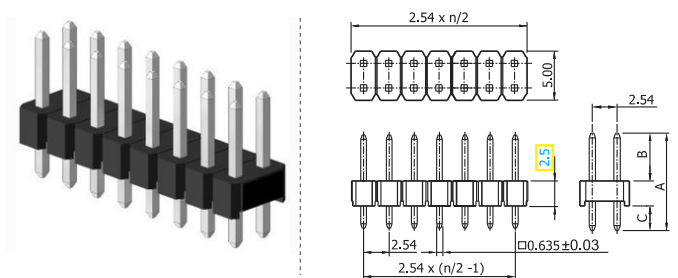
✓ 14252T1E // webcode: 1163



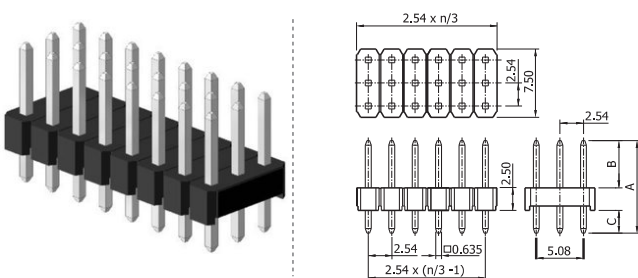
✓ 14252T1D // webcode: 1164



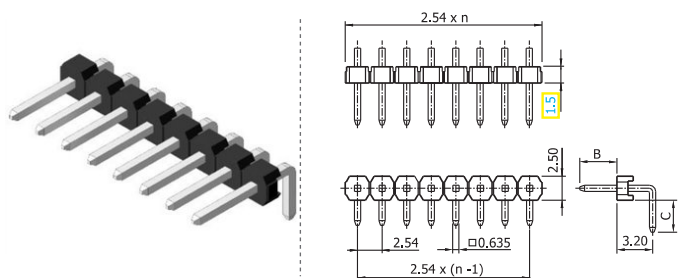
✓ 14252T1A // webcode: 1165 automotive approved



✓ 14253T1 // webcode: 1166



✓ 14251T9D // webcode: 1167



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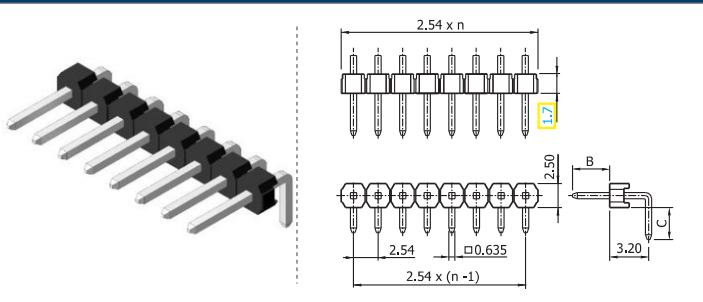
Male header | 2.54

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Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

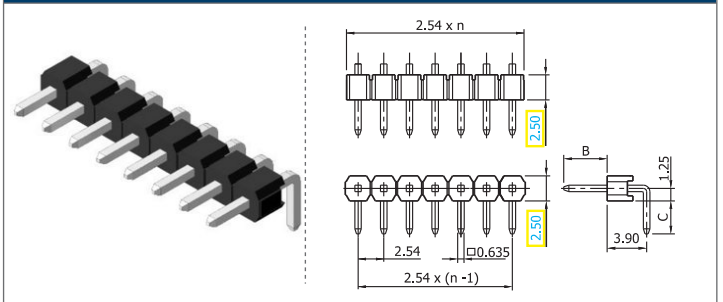


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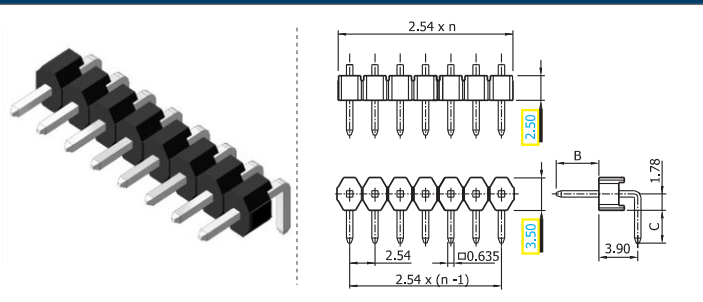
✓ 14251T9C // webcode: 1168



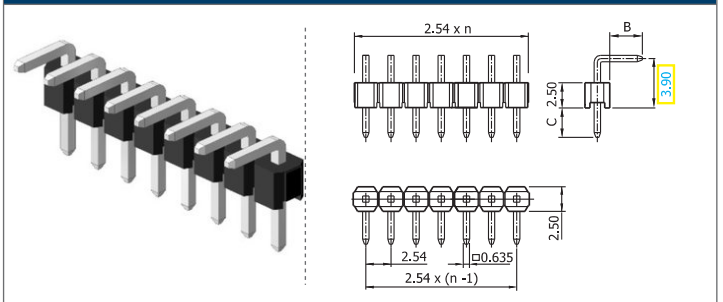
✓ 14251T9A // webcode: 1169



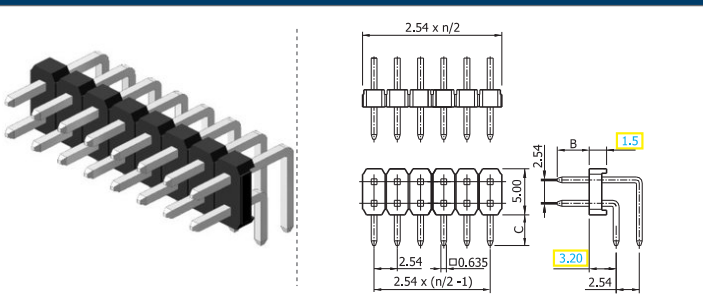
✓ 14251T9B // webcode: 1170



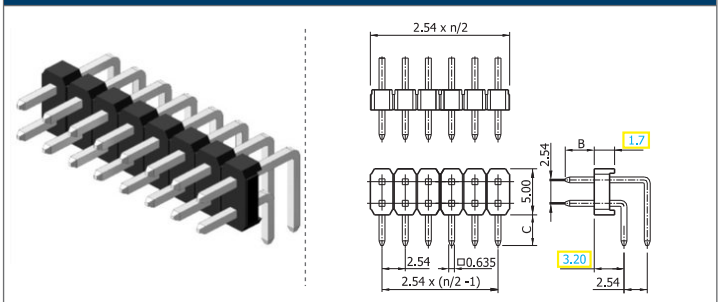
✓ 14251T9E // webcode: 1171



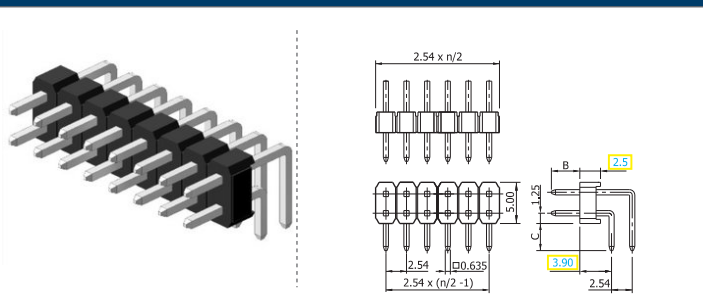
✓ 14252T9C // webcode: 1172



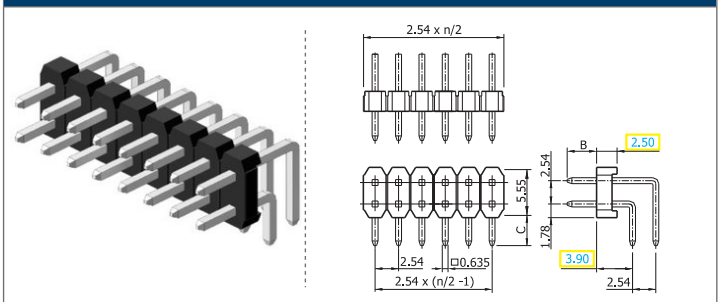
✓ 14252T9D // webcode: 1173



✓ 14252T9A // webcode: 1174 automotive approved



✓ 14252T9B // webcode: 1175



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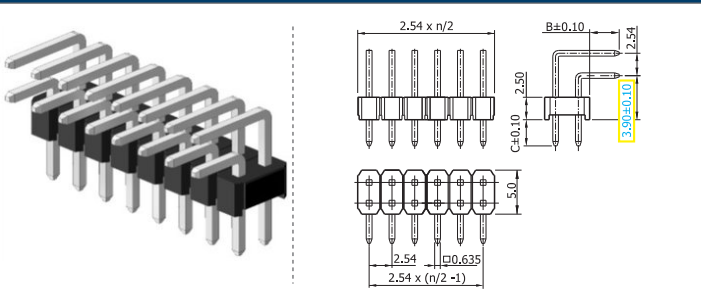
Male header | 2.54

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

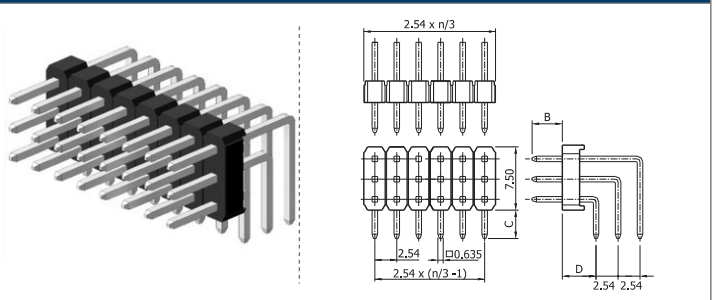


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✓ 14252T9F // webcode: 1176

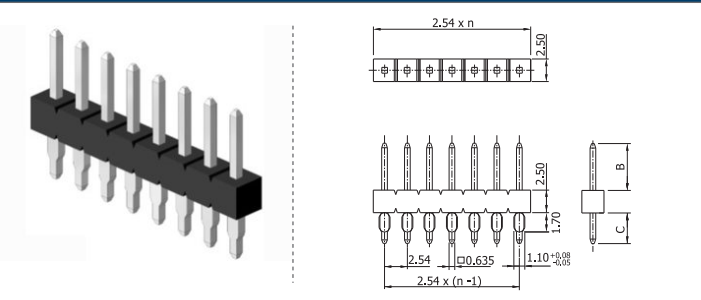


✓ 14253T9 // webcode: 1177



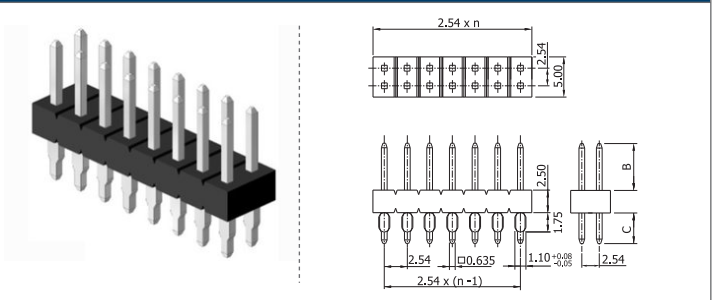
✓ 1425P1T1 // webcode: 1186

automotive approved
press fit



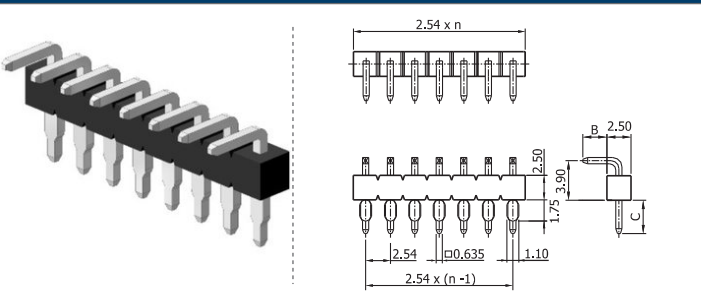
✓ 1425P2T1 // webcode: 1187

automotive approved
press fit



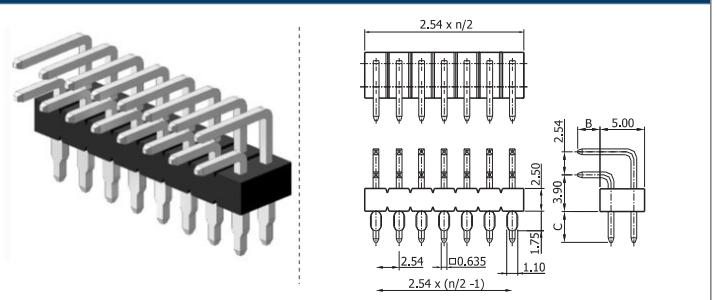
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automotive approved
press fit

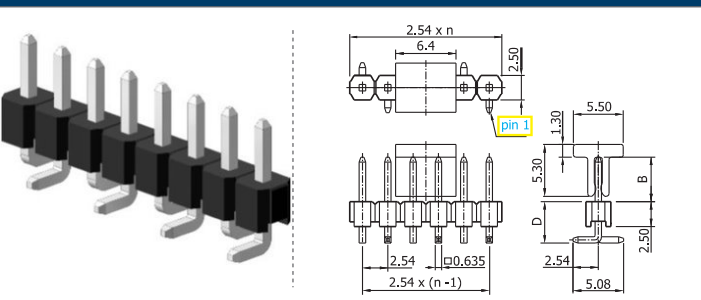


✓ 1425P2T9 // webcode: 1189

automotive approved
press fit

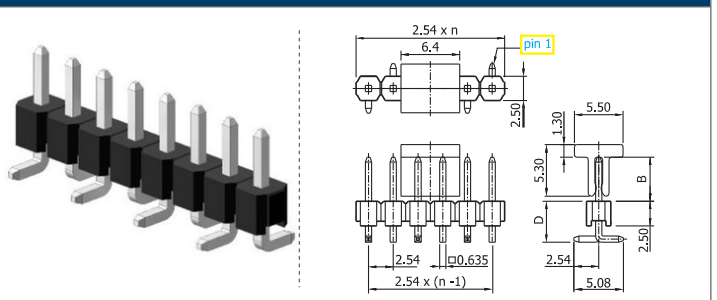


✓ 14251S1 // webcode: 1190



✓ 14251S1A // webcode: 1191

automotive approved



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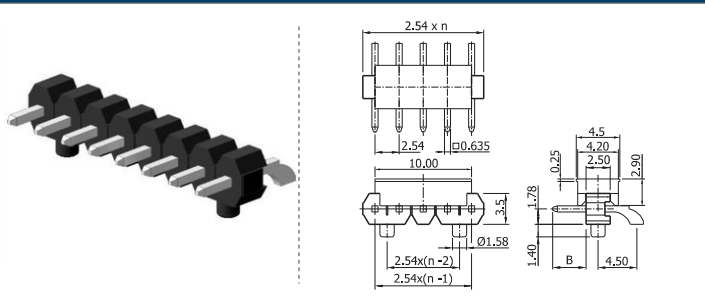
Male header | 2.54

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

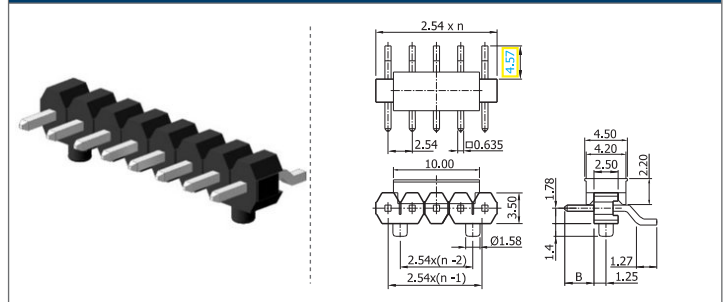


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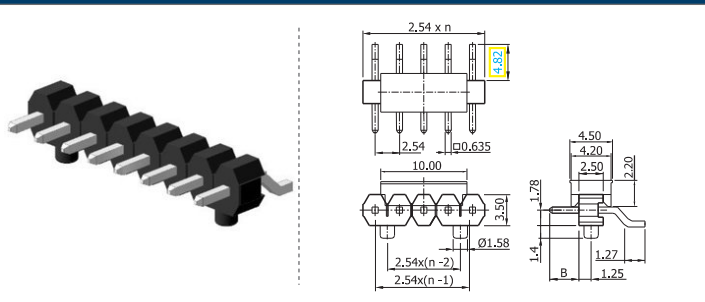
✓ 14251S9 // webcode: 1192



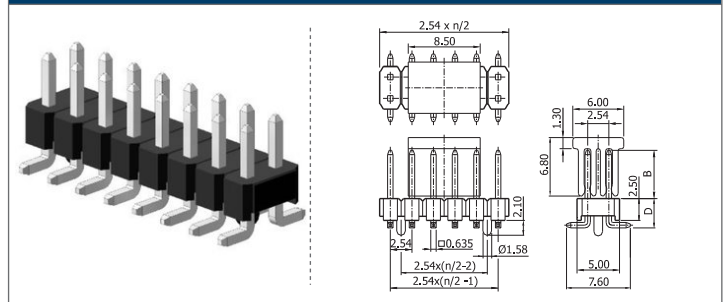
✓ 14251S9A // webcode: 1193



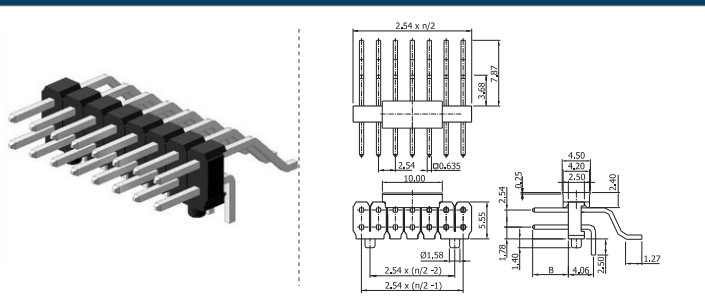
✓ 14251S9B // webcode: 1194 automotive approved



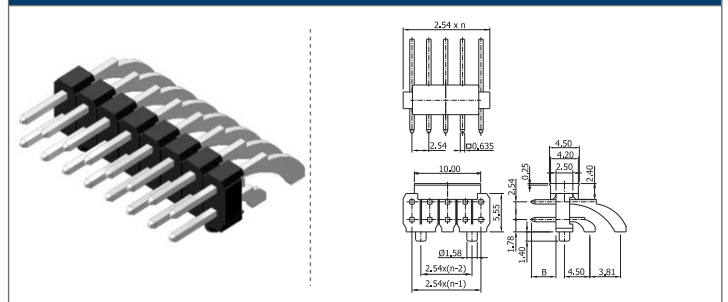
✓ 14252S1 // webcode: 1161



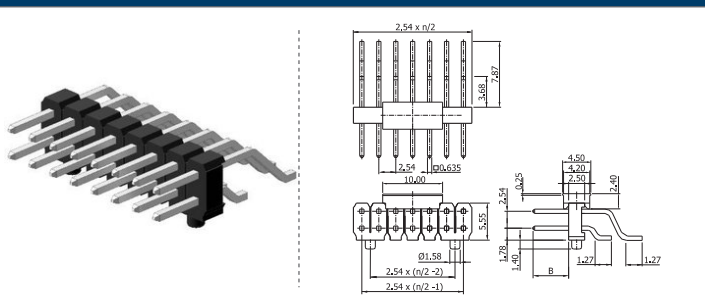
✓ 14252Z9 // webcode: 1195 automotive approved



✓ 14252S9 (OBSOLETE) // webcode: 1197



✓ 14252S9A // webcode: 1196



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Male header | 3.00

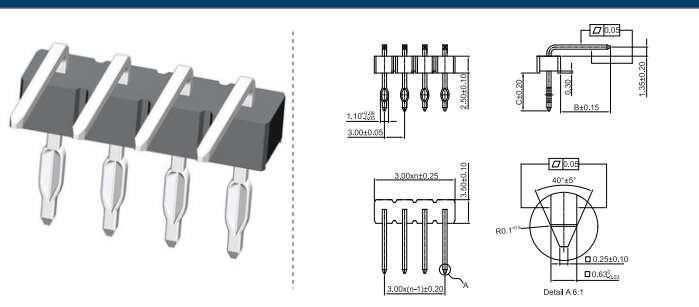
COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code. Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.



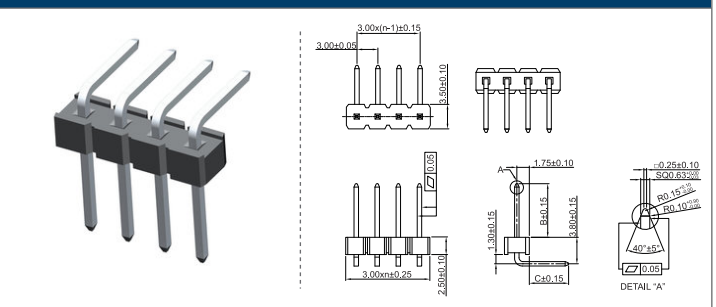
FURTHER PRODUCT INFORMATION is available. **Please visit:** www.gsn.cn.com/download-centre

BOARD-TO-BOARD

✓ 14301P9 // webcode: 1667 automotive approved



✓ 14301T9 // webcode: 1668 automotive approved



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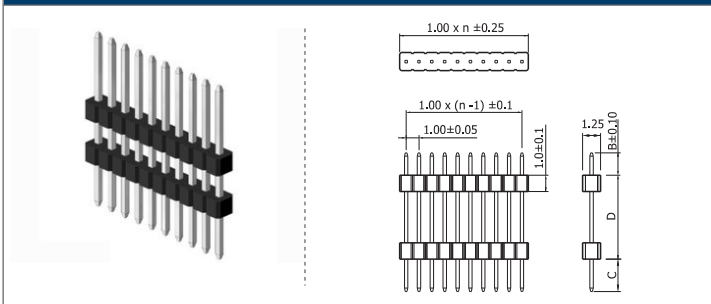
Sandwich header | 1.00

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

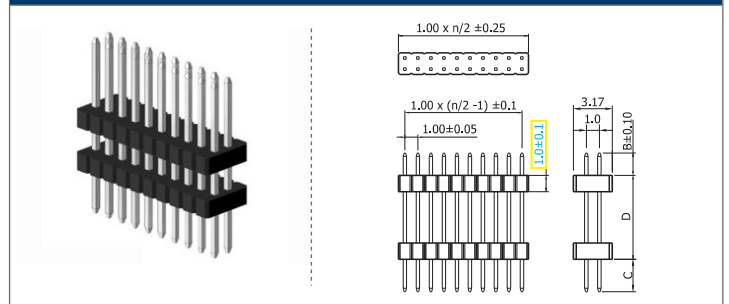


FURTHER PRODUCT INFORMATION is available.
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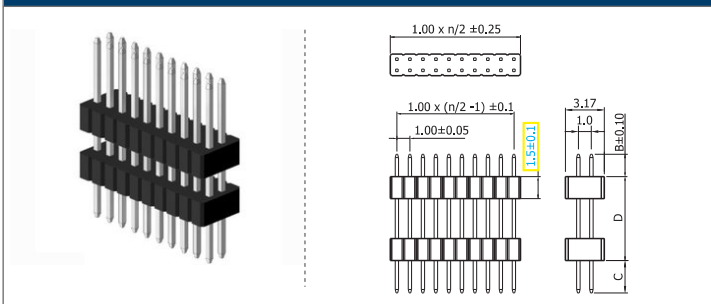
✓ 1410S1T1 // webcode: 1121



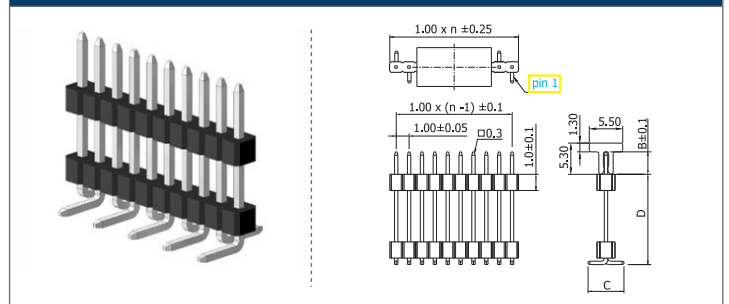
✓ 1410S2T1 // webcode: 1122



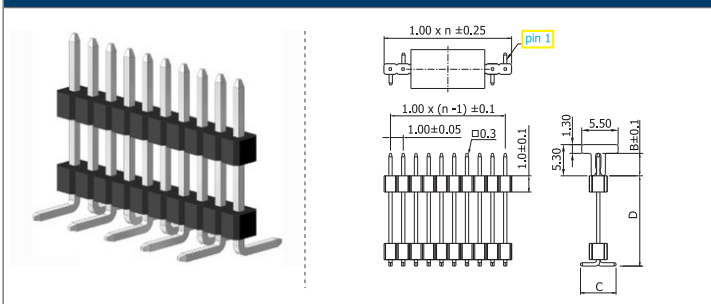
✓ 1410S2T1A // webcode: 1123



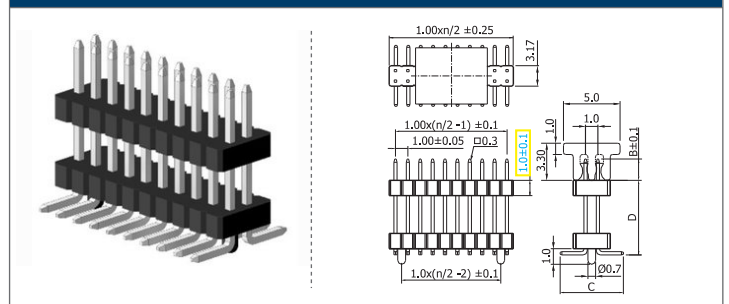
✓ 1410S1S1 // webcode: 1124



✓ 1410S1S1A // webcode: 1125



✓ 1410S2S1 // webcode: 1126



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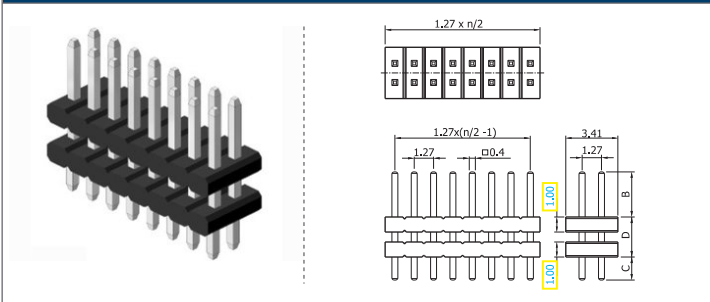
Sandwich header | 1.27

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

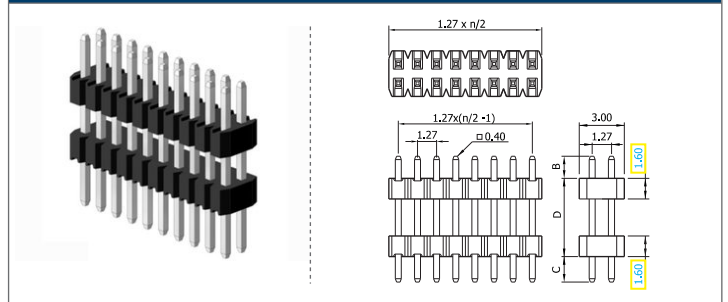


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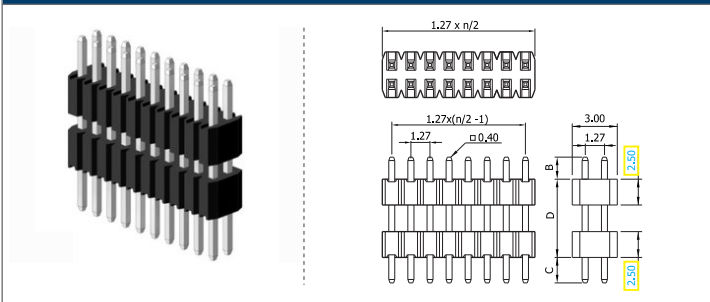
✓ 1412S2T1A // webcode: 1127



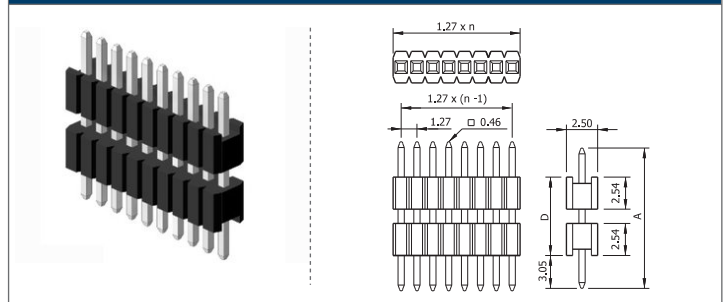
✓ 1412S2T1B // webcode: 1128



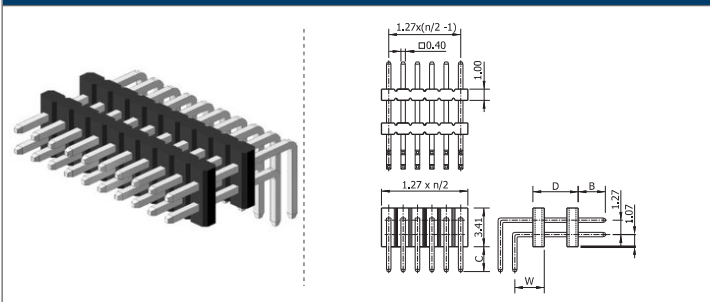
✓ 1412S2T1C // webcode: 1129



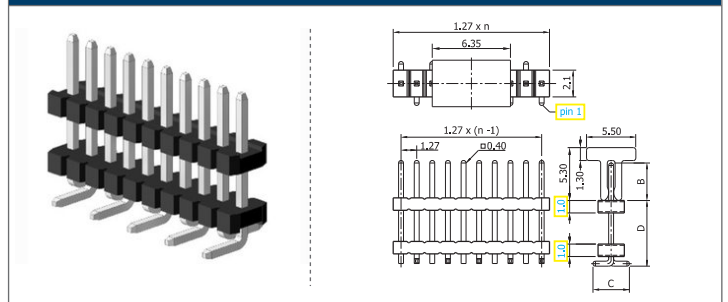
✓ 1412S1T1 // webcode: 1130



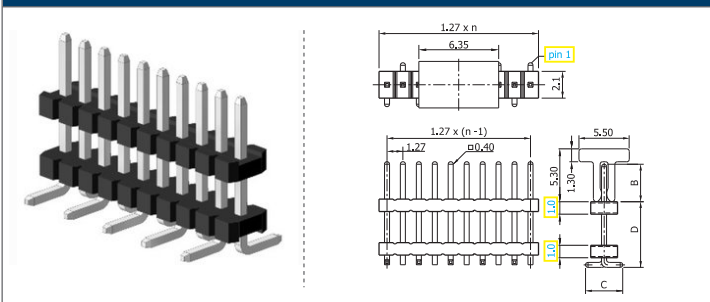
✓ 1412S2T9 // webcode: 1131



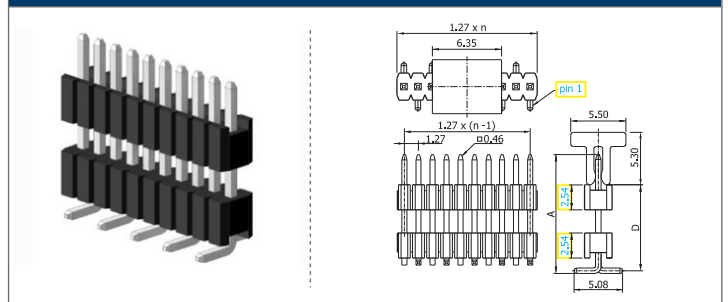
✓ 1412S1S1 // webcode: 1132



✓ 1412S1S1A // webcode: 1133



✓ 1412S1S1B // webcode: 1134



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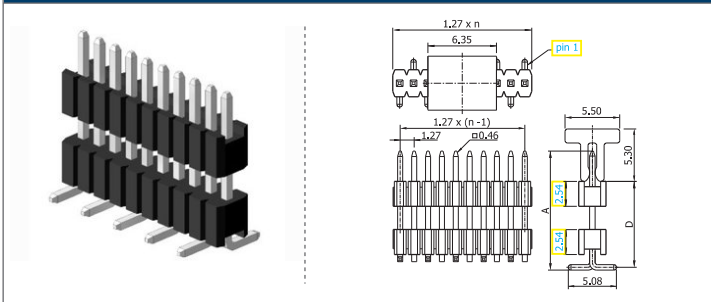
Sandwich header | 1.27

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

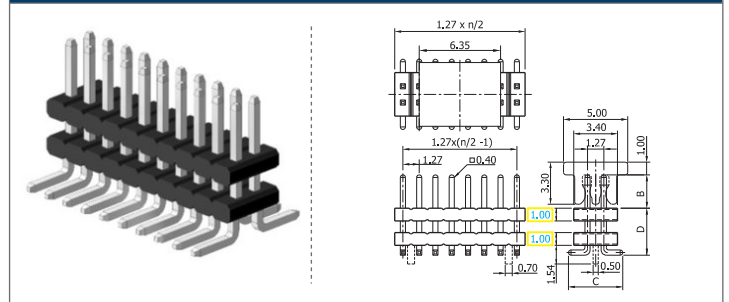


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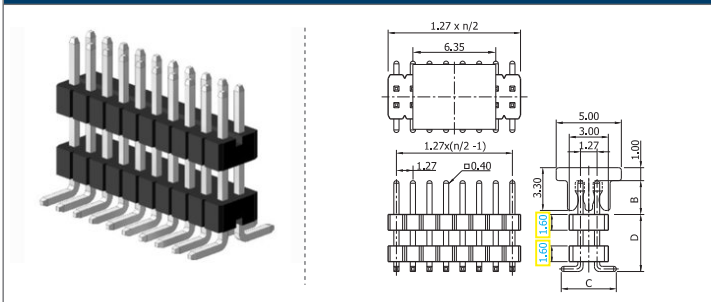
✓ 1412S1S1C // webcode: 1135



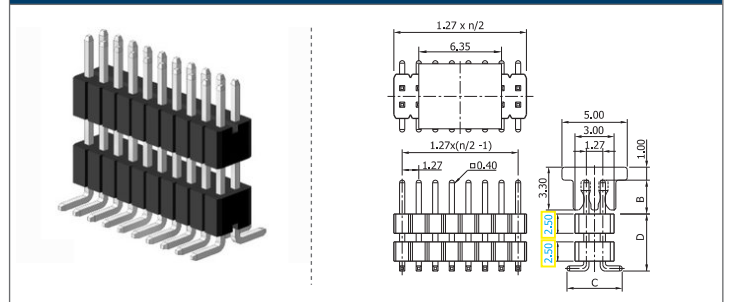
✓ 1412S2S1 // webcode: 1136



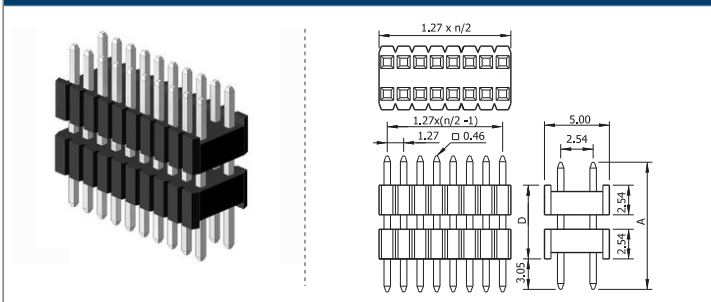
✓ 1412S2S1A // webcode: 1137



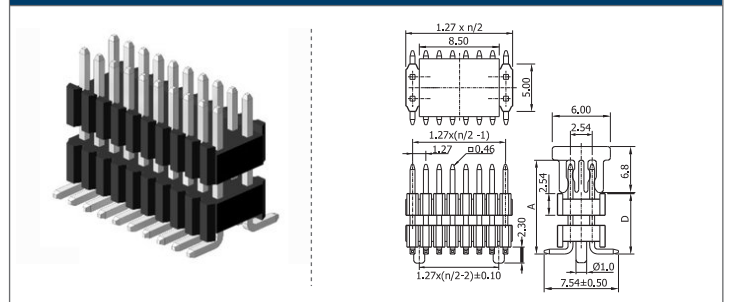
✓ 1412S2S1B // webcode: 1138



✓ 1413S2T1 // webcode: 1139



✓ 1413S2S1 // webcode: 1140



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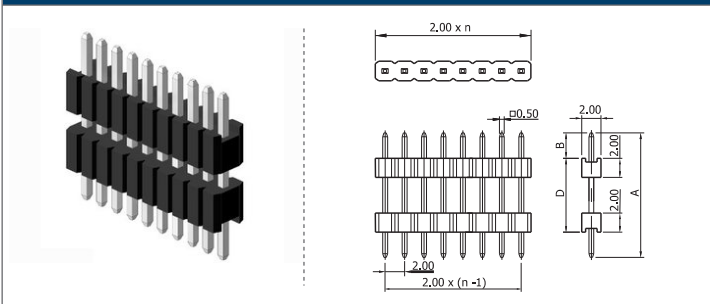
Sandwich header | 2.00

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code. Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

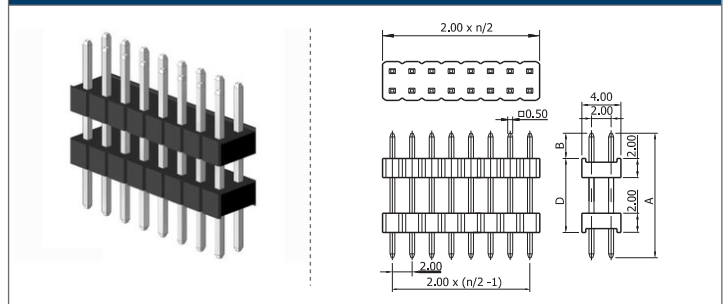


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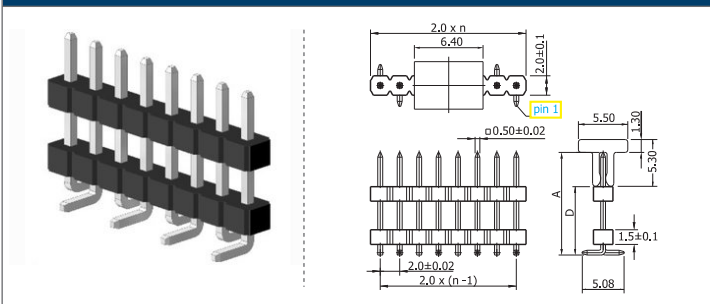
✓ 1420S1T1 // webcode: 1654



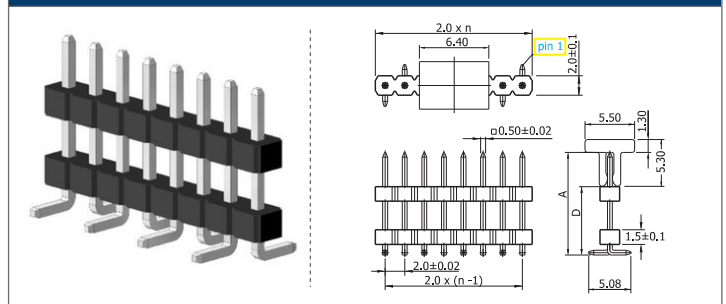
✓ 1420S2T1 // webcode: 1144



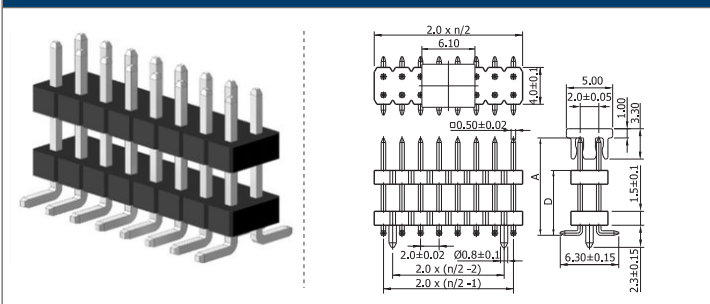
✓ 1420S1S1 // webcode: 1145



✓ 1420S1S1A // webcode: 1146



✓ 1420S2S1 // webcode: 1147

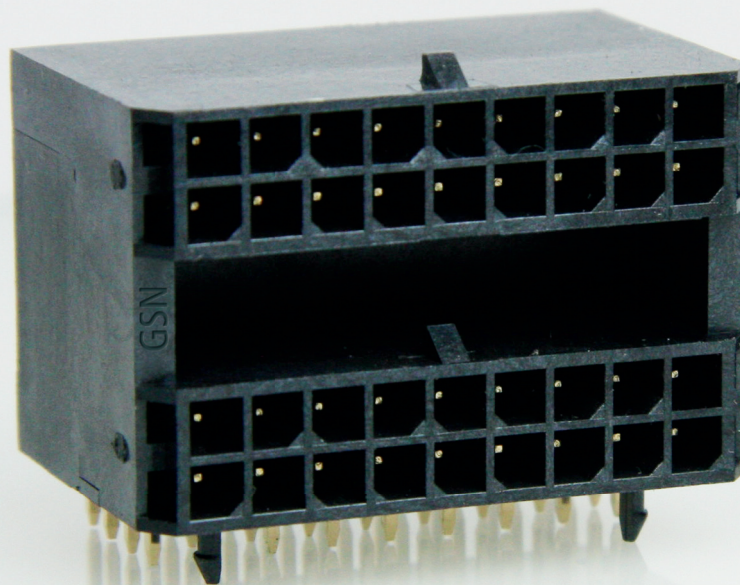


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CABLE TO BOARD

TECHNOLOGIES:

Crimp terminal type | IDC Flat Ribbon Cable | Flat Flexible Cable (FFC) | Waterproof



Crimp technology | 2.50

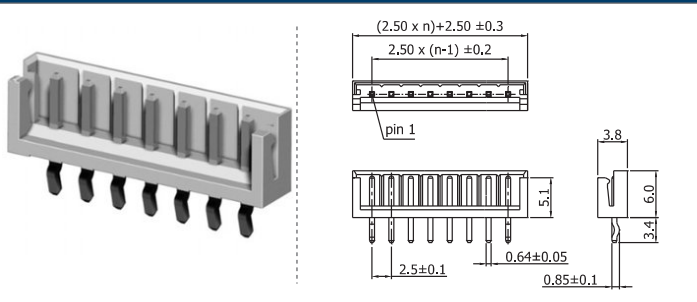
COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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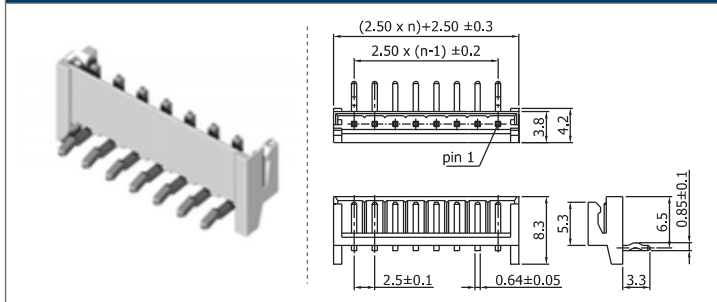
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CABLE-TO-BOARD

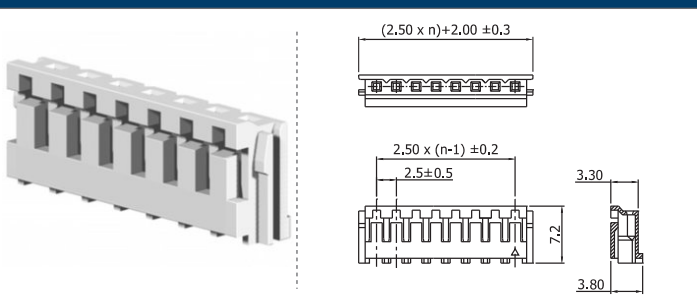
✓ 87P251T1D // webcode: 1319 kinked pins automotive approved



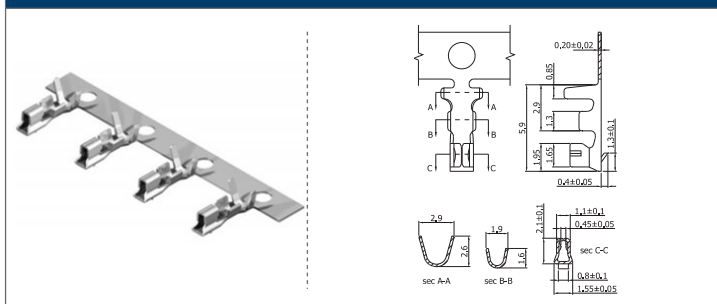
✓ 87P251T9D // webcode: 1320 kinked pins automotive approved



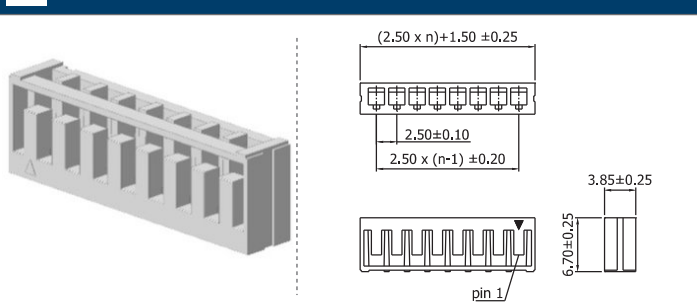
✓ 87H251X1K // webcode: 1321



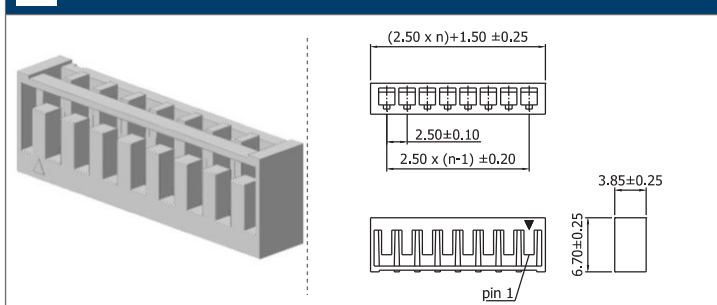
✓ 87C25FK // webcode: 1322



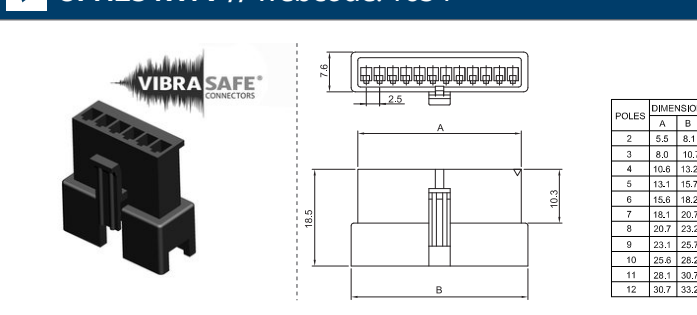
✓ 87H251X1P // webcode: 1323 board-in



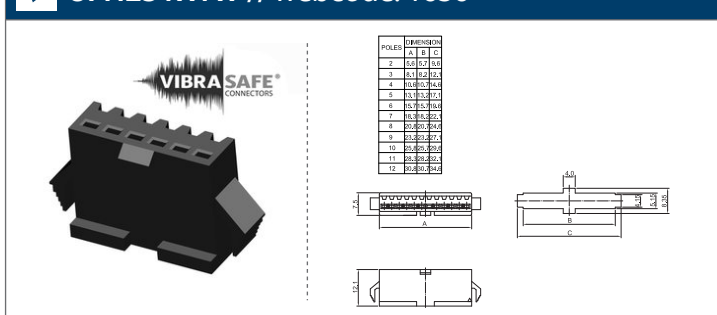
✓ 87H251X1N // webcode: 1324 board-in



✓ 87H251X1V // webcode: 1634



✓ 87H251X1W // webcode: 1636



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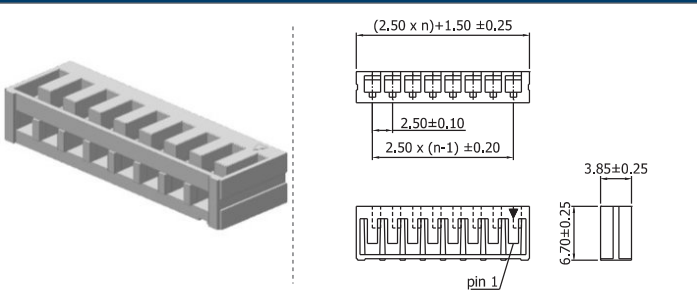
Crimp technology | 2.50

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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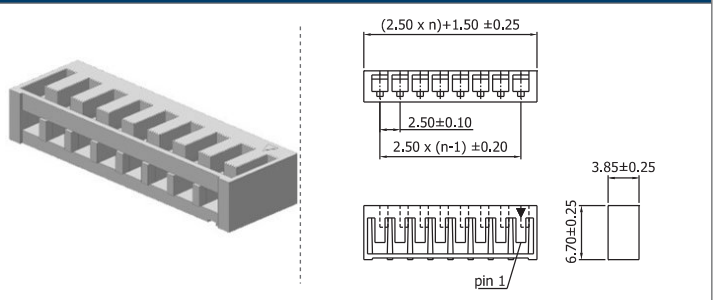


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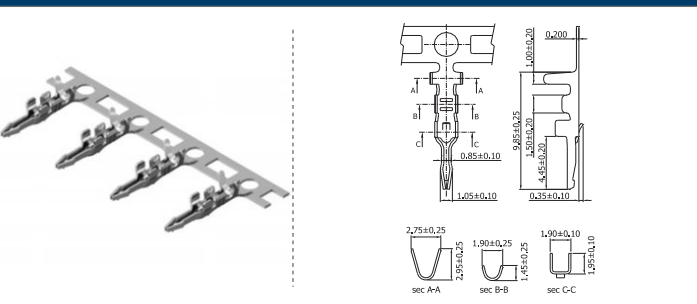
✓ 87H251X9C // webcode: 1325 board-in



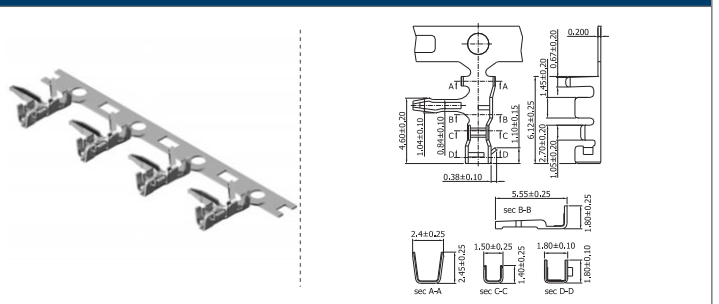
✓ 87H251X9B // webcode: 1326 board-in



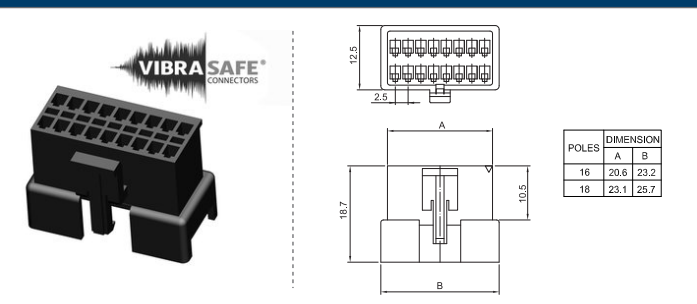
✓ 87C25MD // webcode: 1327 board-in



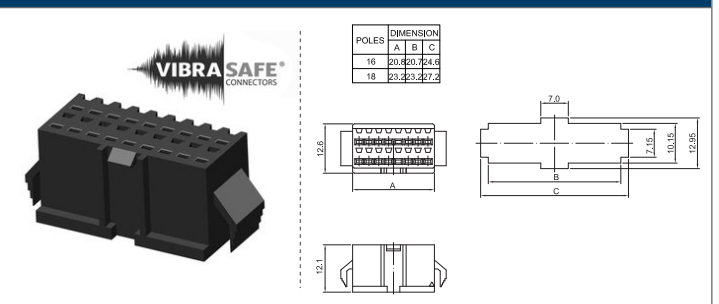
✓ 87C25M9B // webcode: 1328 board-in



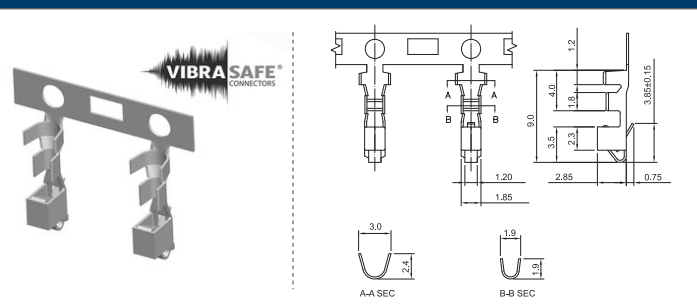
✓ 87H252X1V // webcode: 1635



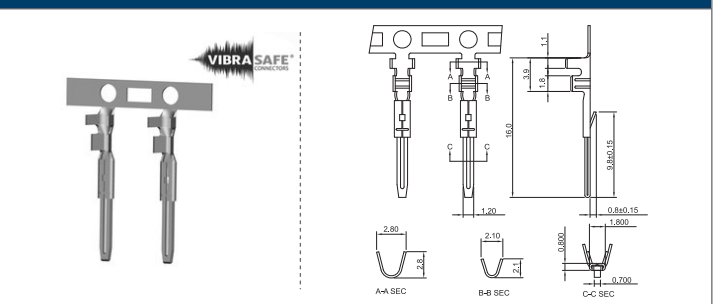
✓ 87H252X1W // webcode: 1637



✓ 87C25FV // webcode: 1640



✓ 87C25MV // webcode: 1641



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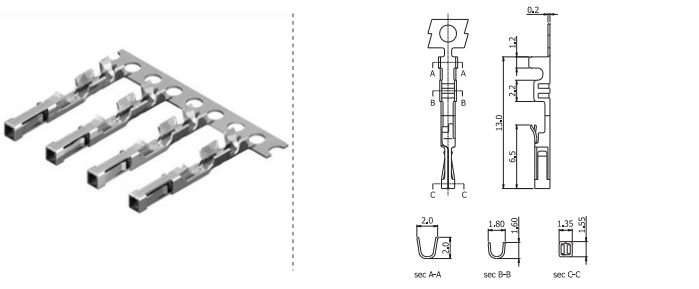
Crimp technology | 2.54

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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✓ 87C26FL // webcode: 1336



Crimp technology | 3.96

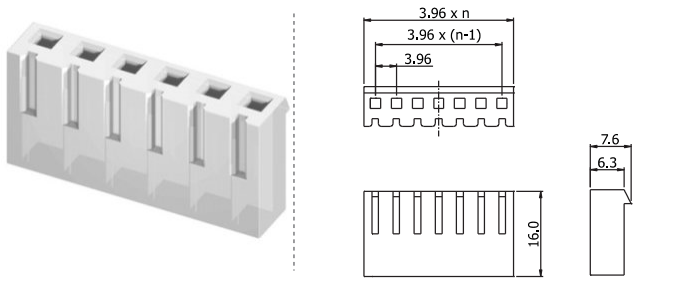
COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.



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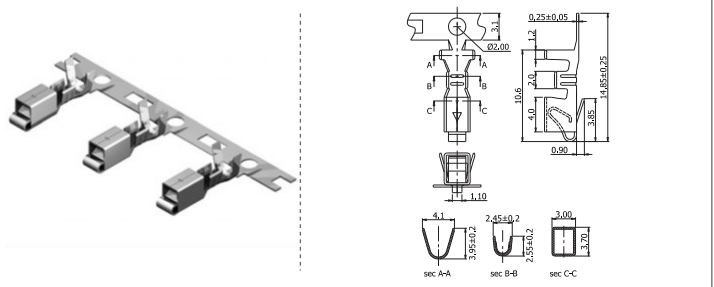
CABLE-TO-BOARD

✓ 87H391X1M // webcode: 1606



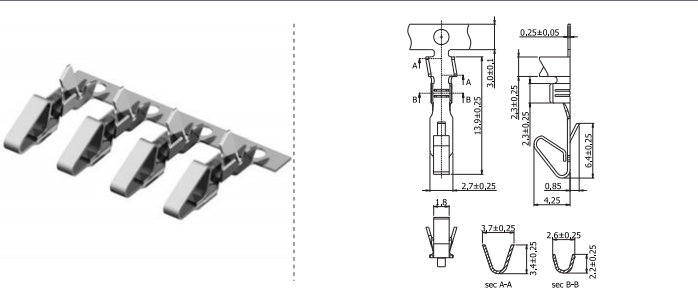
✓ 87C39FL // webcode: 1608

female



✓ 87C39FM // webcode: 1609

female



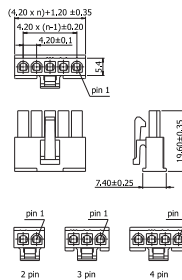
Crimp technology | 4.20

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

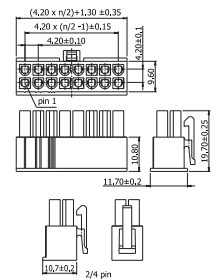


FURTHER PRODUCT INFORMATION is available.
Please visit: www.gsn.cn.com/download-centre

87H421X1D // webcode: 1352

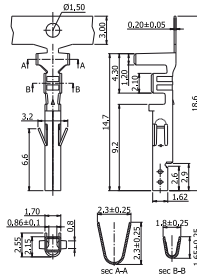


87H422X1F // webcode: 1353



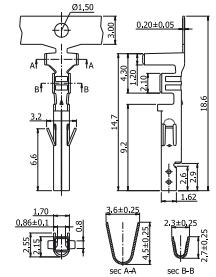
87C42FK // webcode: 1354

female

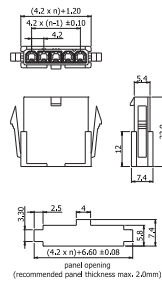


87C42FH // webcode: 1355

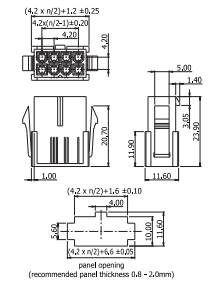
female



87W421X1F // webcode: 1356

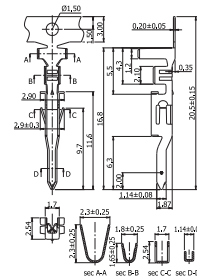


87W422X1F // webcode: 1357



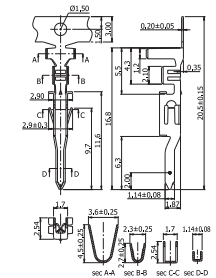
87C42MK // webcode: 1358

male



87C42MH // webcode: 1359

male



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Crimp technology | 4.20

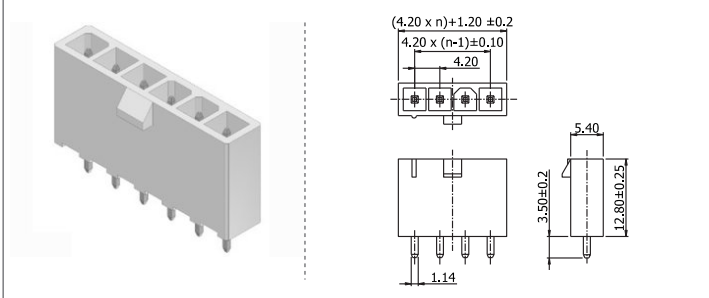
COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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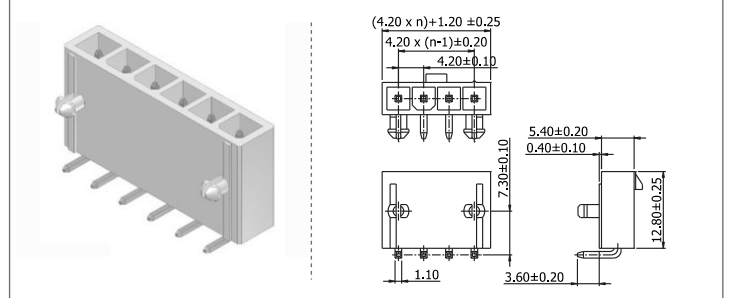
CABLE-TO-BOARD

✓ 87P421T1C // webcode: 1360

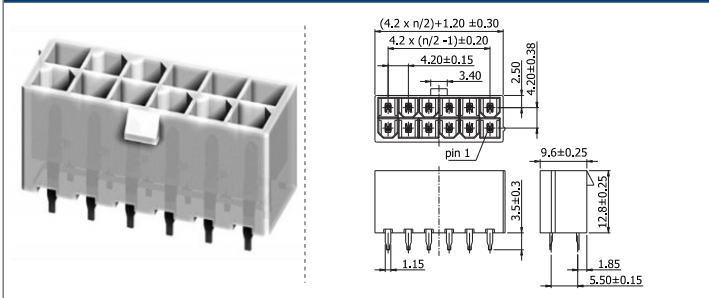


✓ 87P421T9B // webcode: 1361

with locating peg

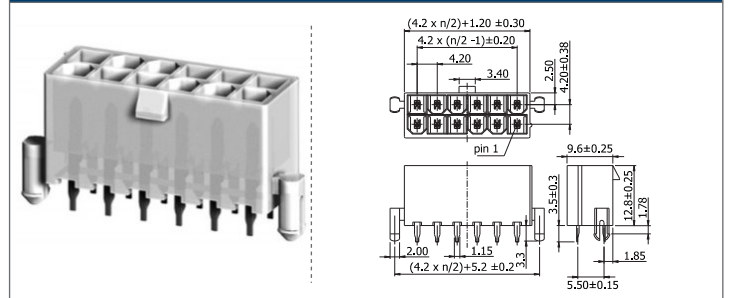


✓ 87P422T1K // webcode: 1604

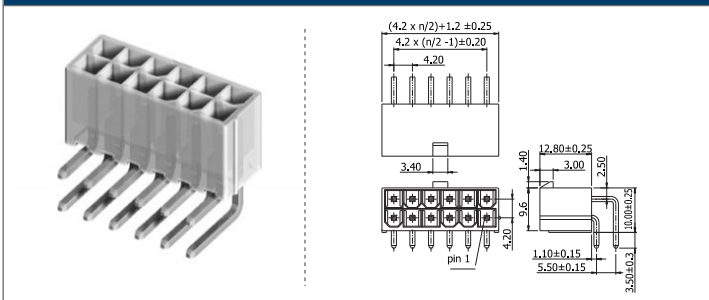


✓ 87P422T1K // webcode: 1363

with locating peg

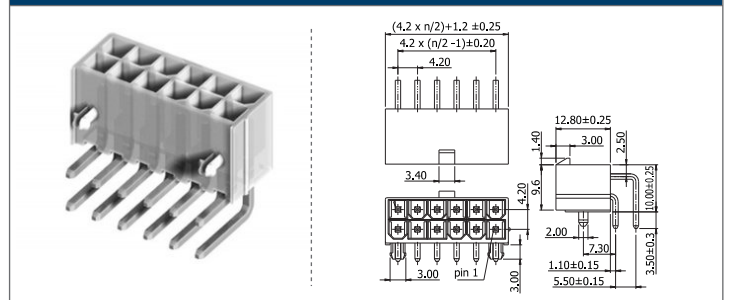


✓ 87P422T9L // webcode: 1585

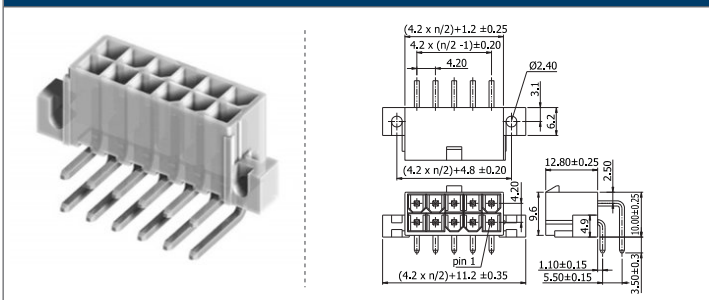


✓ 87P422T9L // webcode: 1365

with locating peg



✓ 87P422T9M // webcode: 1367



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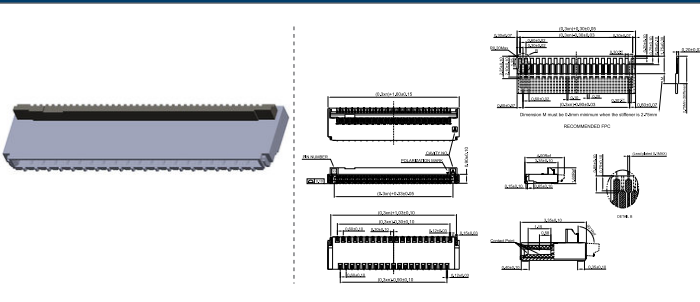
ZIF for FFC | 0.30

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.



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✓ 44-Z03G // webcode: 1679 double contact



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ZIF for FFC | 0.50

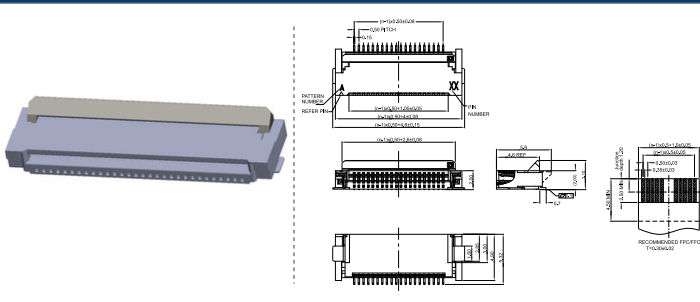
COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.



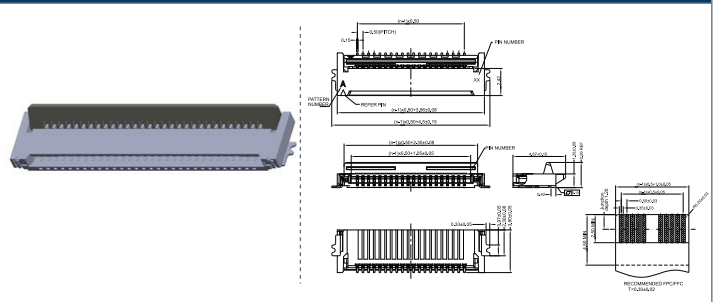
FURTHER PRODUCT INFORMATION is available.
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CABLE-TO-BOARD

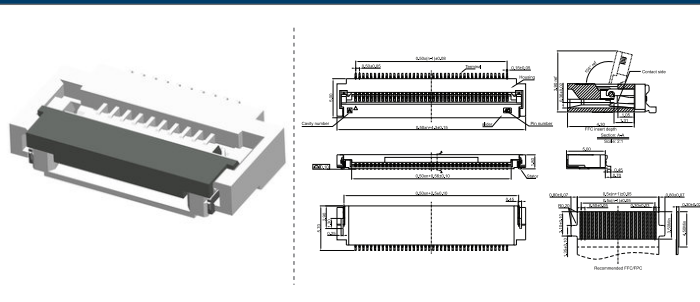
✓ 44-Z05E // webcode: 1681 double contact



✓ 44-Z05F // webcode: 1682 double contact



✓ 44-Z05C // webcode: 1685 locking -catch



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IDC red match

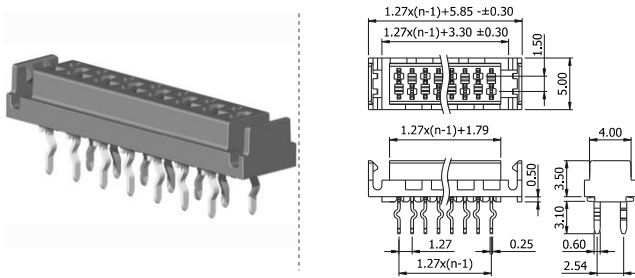
COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.



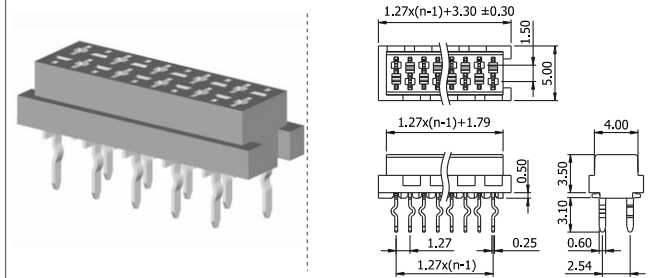
FURTHER PRODUCT INFORMATION is available.
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CABLE-TO-BOARD

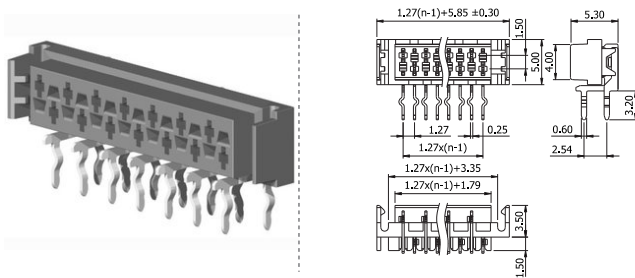
✓ **34-BVTFL // webcode: 1575** automotive approved



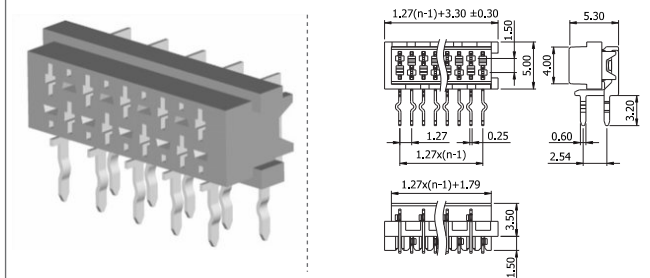
✓ **34-BVTFX // webcode: 1576** automotive approved



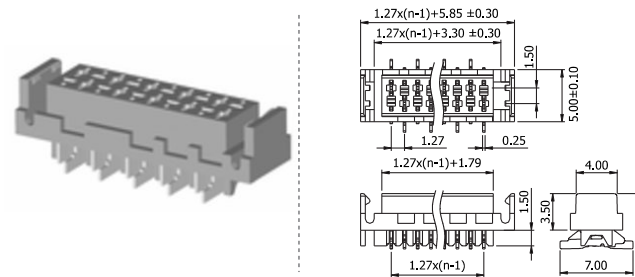
✓ **34-BHTFL // webcode: 1577** automotive approved



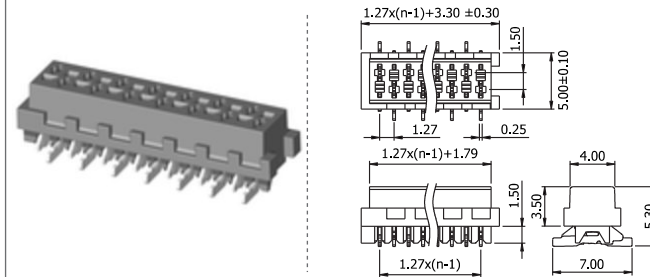
✓ **34-BHTFX // webcode: 1578** automotive approved



✓ **34-BVSFL // webcode: 1579** automotive approved



✓ **34-BVSFX // webcode: 1580** automotive approved



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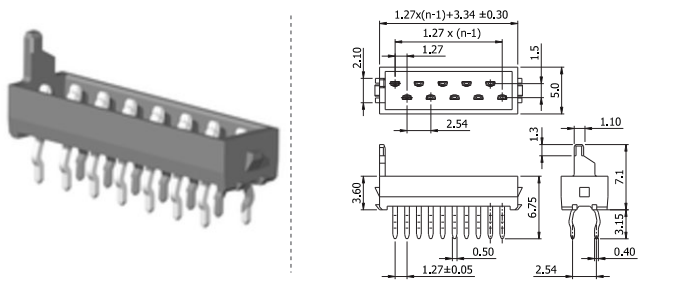
IDC red match

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

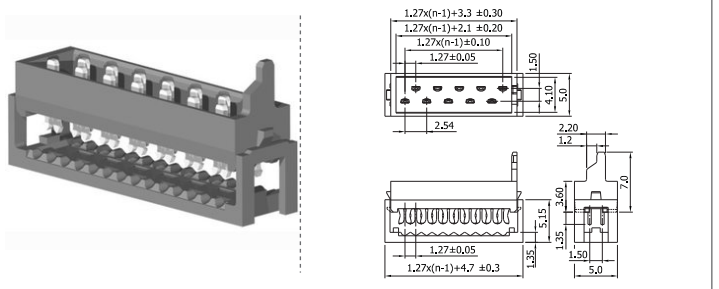


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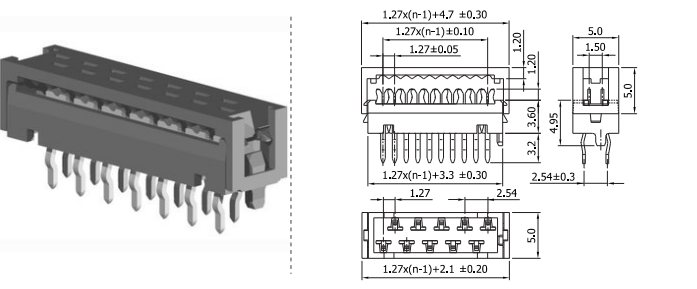
✓ **34-BVTMX // webcode: 1581** automotive approved



✓ **34-VIMX // webcode: 1582** automotive approved



✓ **34-VIXX // webcode: 1583** automotive approved



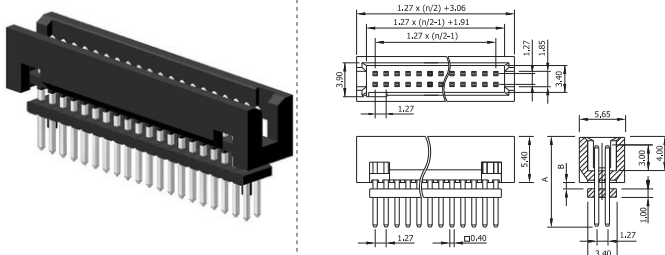
Standard IDCs

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

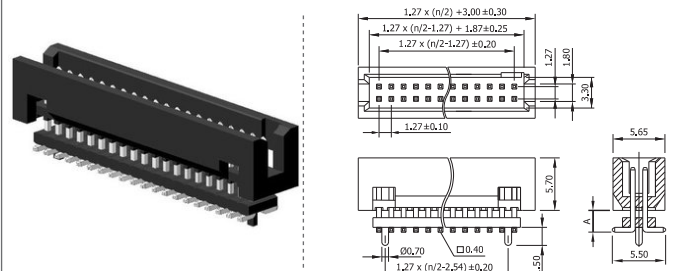


FURTHER PRODUCT INFORMATION is available.
Please visit: www.gsn.cn.com/download-centre

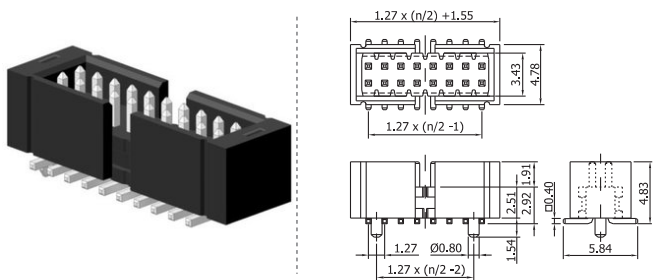
✓ 23-12VTXS // webcode: 1434



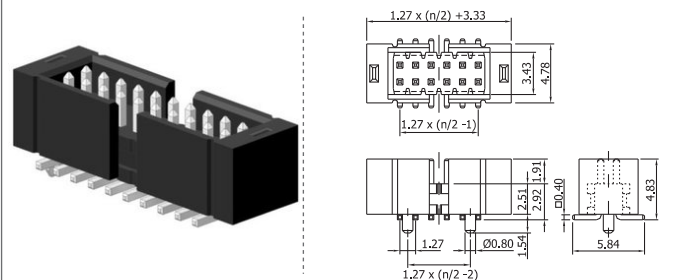
✓ 23-12VSXS // webcode: 1435



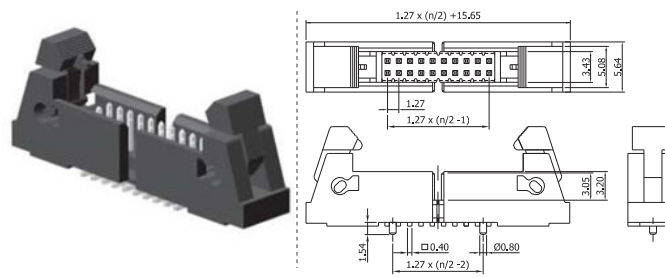
✓ 23-12VSX // webcode: 1436



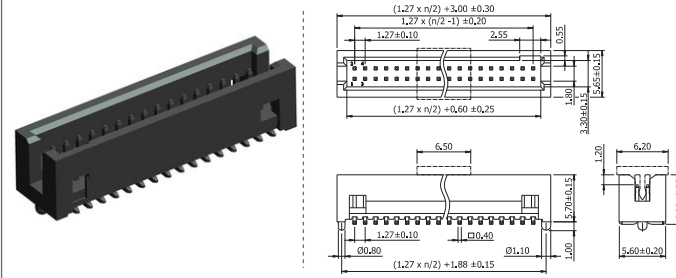
✓ 23-12VSXA // webcode: 1586



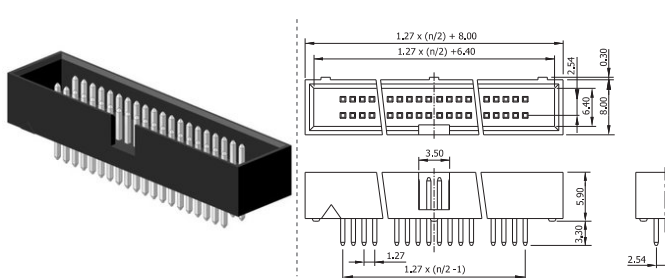
✓ 23-12VSS // webcode: 1438 short latch automotive approved



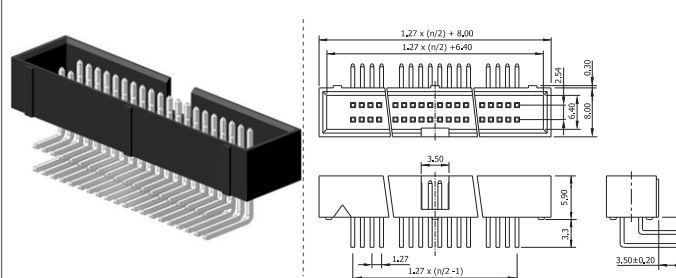
✓ 23-12VSXE // webcode: 1616



✓ 23-13VTX // webcode: 1439



✓ 23-13HTX // webcode: 1440



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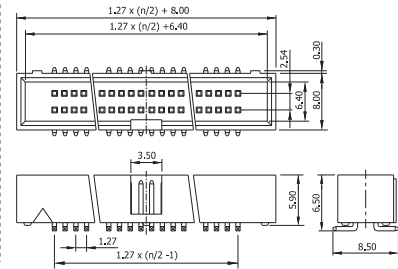
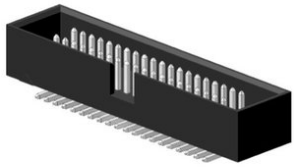
Standard IDCs

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✓ 23-13VSX // webcode: 1441



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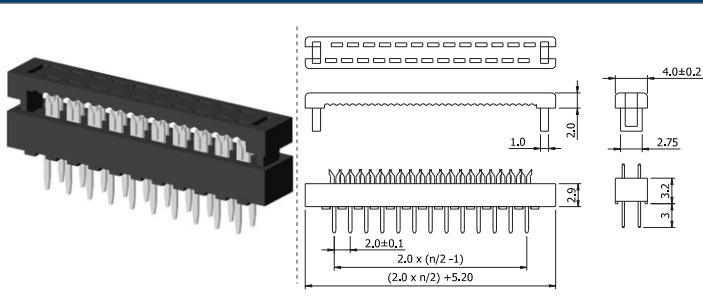
Standard IDCs

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

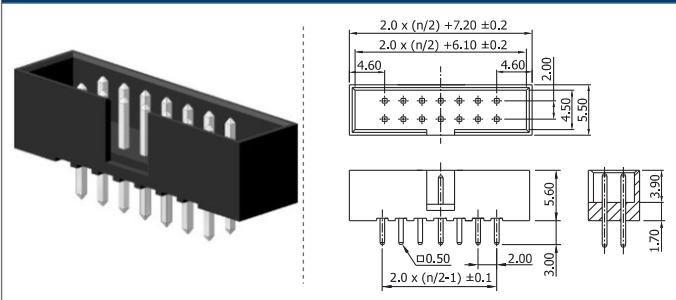


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✓ 14ID-20 // webcode: 1431

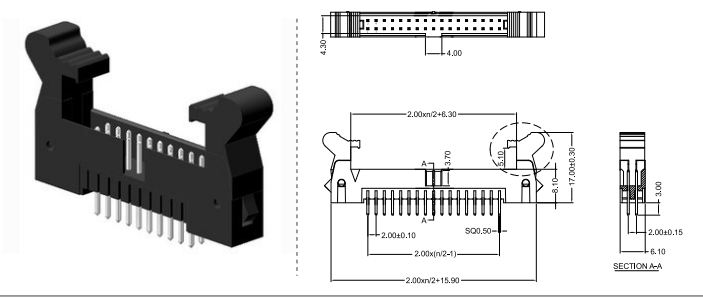


✓ 23-20VTX // webcode: 1442



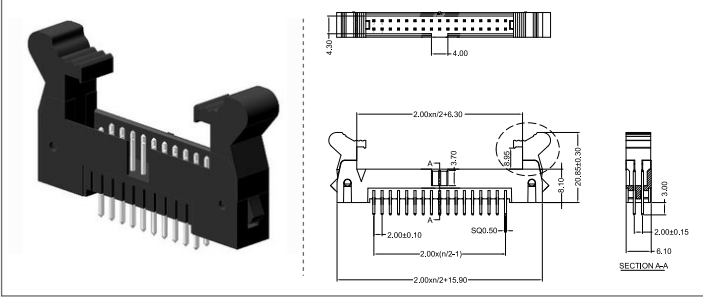
✓ 23-20VTS // webcode: 1443

short latch
automotive approved

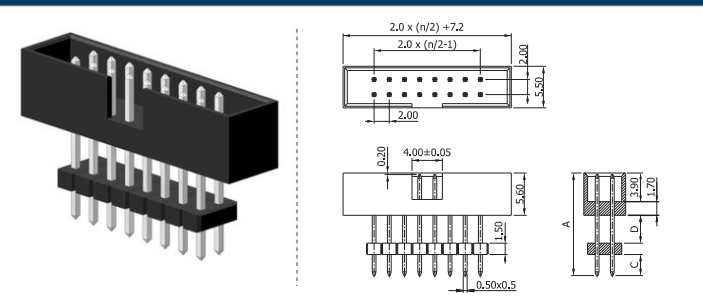


✓ 23-20VTL // webcode: 1444

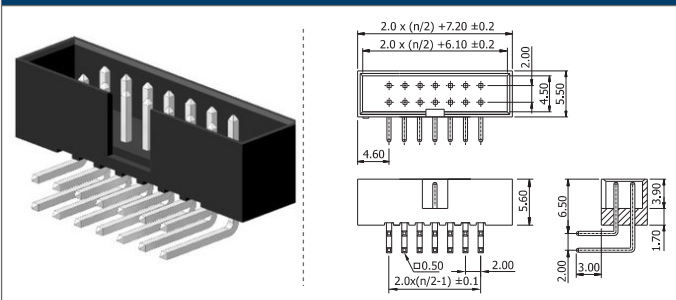
long latch
automotive approved



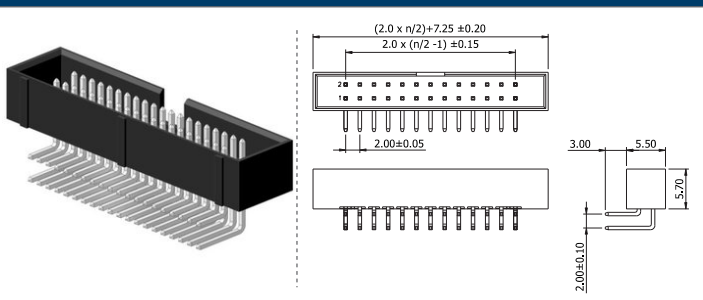
✓ 23-20VTXS // webcode: 1445



✓ 23-20HTX // webcode: 1446

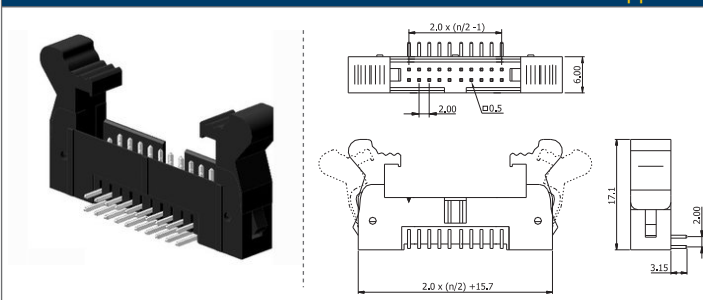


✓ 23-20HTXB // webcode: 1447



✓ 23-20HTL // webcode: 1448

long latch
automotive approved



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Standard IDCs

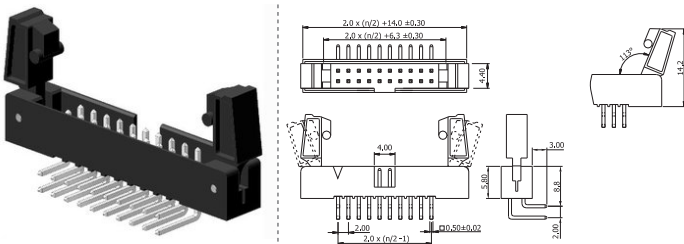
COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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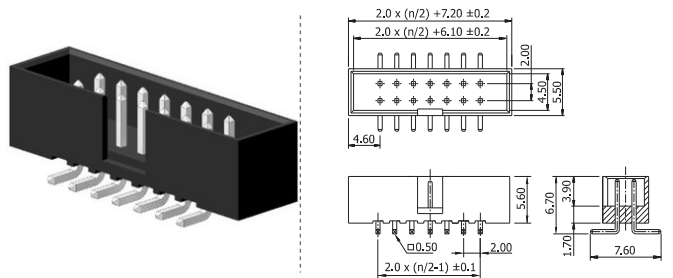
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CABLE-TO-BOARD

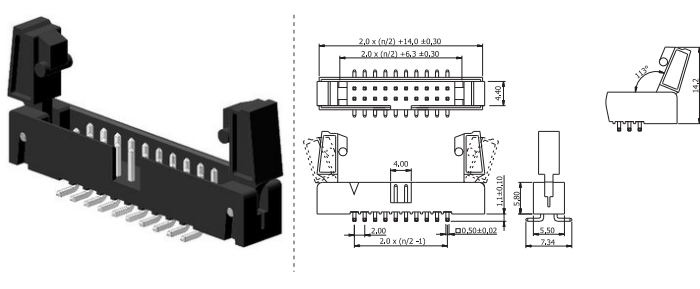
✓ **23-20HTS // webcode: 1449** short latch
automotive approved



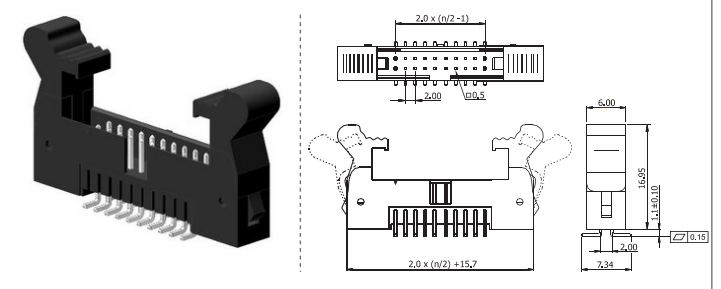
✓ **23-20VSX // webcode: 1450**



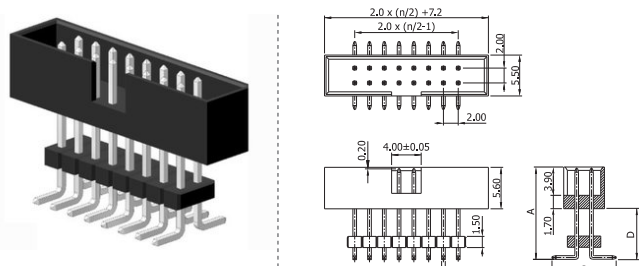
✓ **23-20VSS // webcode: 1451** short latch
automotive approved



✓ **23-20VSL // webcode: 1452** long latch
automotive approved



✓ **23-20VSXS // webcode: 1453**



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Standard IDCs

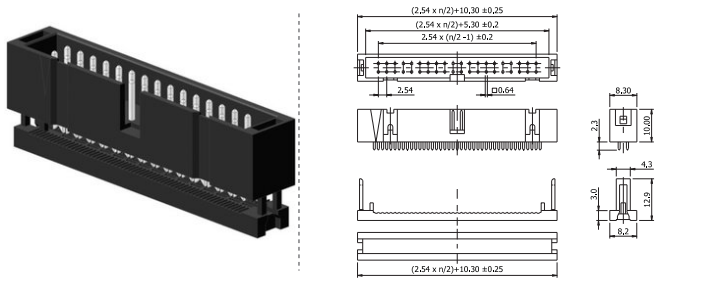
COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code. Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.



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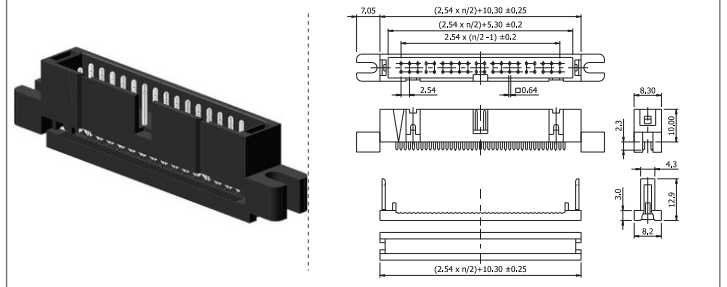
CABLE-TO-BOARD

✓ 23-25VIA //webcode: 1462

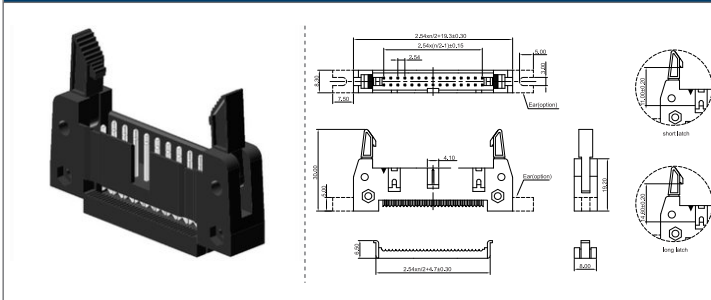


✓ 23-25VIA //webcode: 1499

with mounting ears

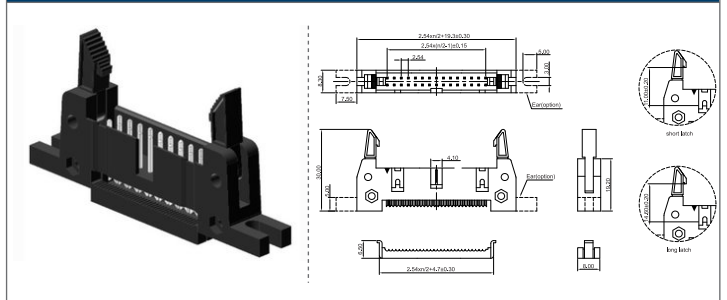


✓ 23-25VIA //webcode: 1500



✓ 23-25VIA //webcode: 1501

with mounting ears



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Waterproof

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✓ **8XH // webcode: 1647** automotive approved

MALE CONTACT VIEW:

2 POLES	3 POLES	4 POLES	5 POLES	6 POLES	7 POLES	9 POLES

FEMALE CONTACT VIEW:

2 POLES	3 POLES	4 POLES	5 POLES	6 POLES	7 POLES	9 POLES

✓ **8XW // webcode: 1648** automotive approved

MALE CONTACT VIEW:

2 POLES	3 POLES	4 POLES	5 POLES	6 POLES	7 POLES	9 POLES

FEMALE CONTACT VIEW:

2 POLES	3 POLES	4 POLES	5 POLES	6 POLES	7 POLES	9 POLES

✓ **8XP // webcode: 1649** automotive approved

MALE CONTACT VIEW:

2 POLES	3 POLES	4 POLES	5 POLES	6 POLES	7 POLES	9 POLES

FEMALE CONTACT VIEW:

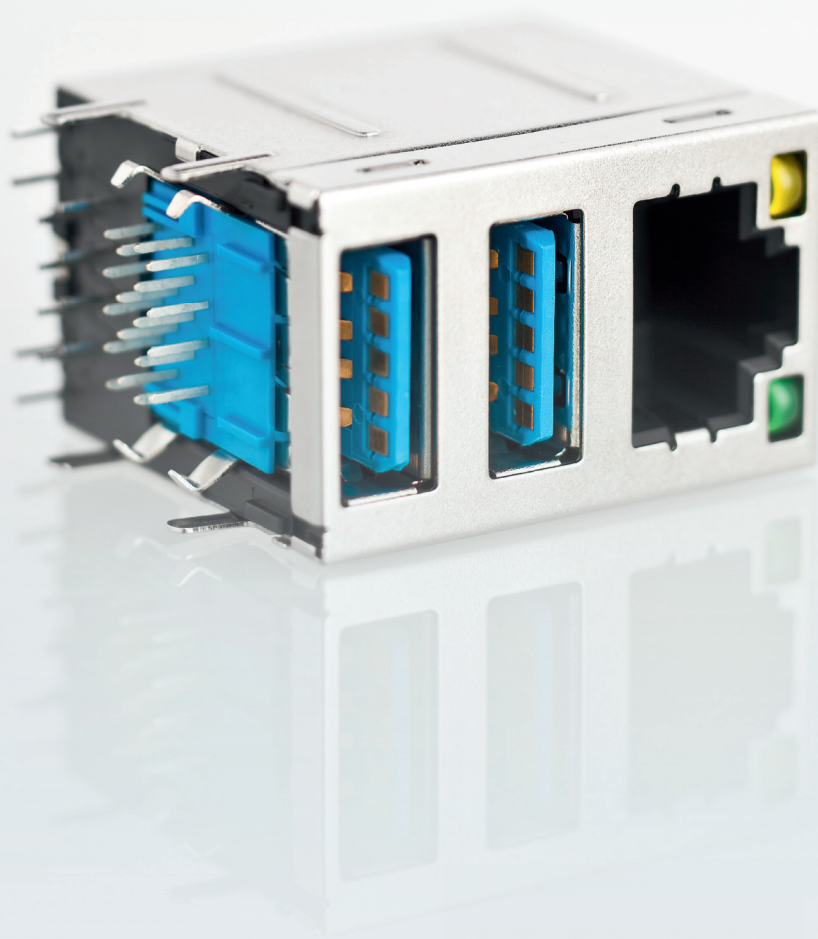
2 POLES	3 POLES	4 POLES	5 POLES	6 POLES	7 POLES	9 POLES

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INPUT / OUTPUT

TECHNOLOGIES:

D-Sub | USB / Mini USB / Micro USB | Phone Jacks | DVI



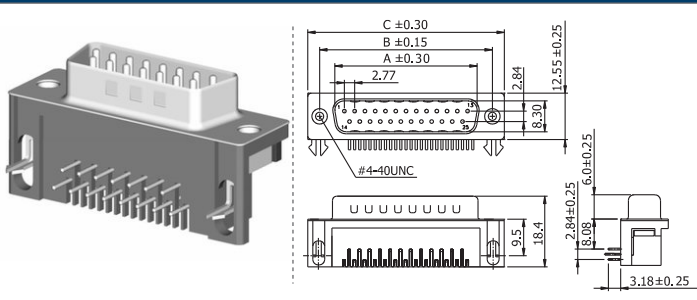
D-Sub | THT horizontal

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

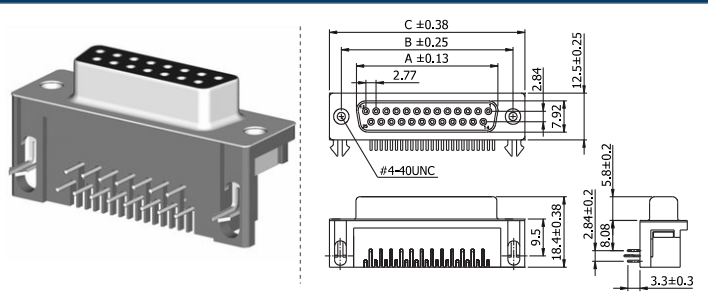


FURTHER PRODUCT INFORMATION is available.
Please visit: www.gsn.cn.com/download-centre

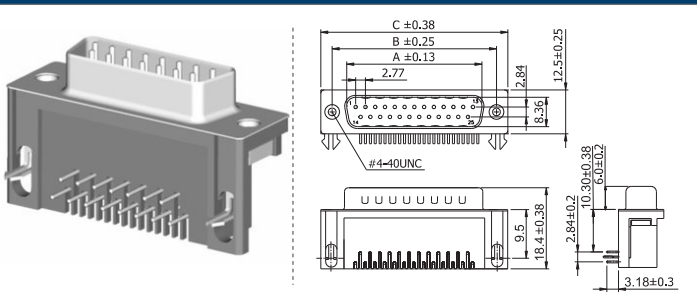
✓ **50-HDN-M // webcode: 1488** footprint 7.2



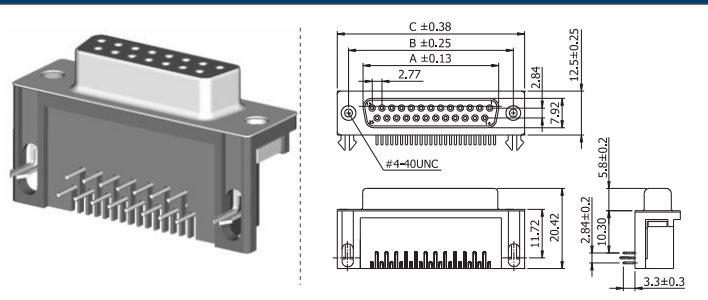
✓ **50-HDN-F // webcode: 1489** footprint 7.2



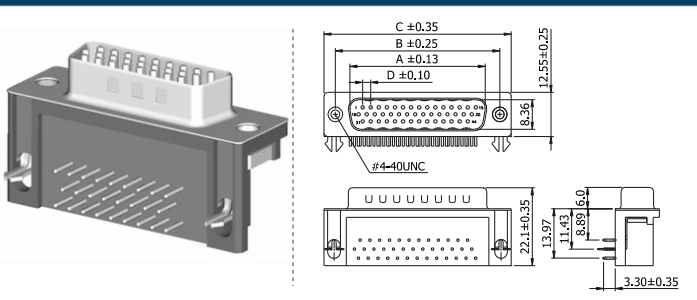
✓ **50-HEN-M // webcode: 1490** footprint 9.4



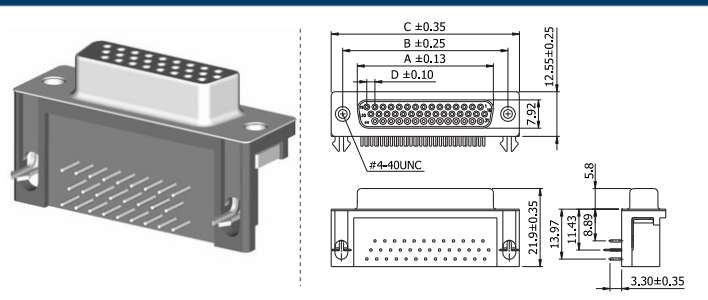
✓ **50-HEN-F // webcode: 1491** footprint 9.4



✓ **50-HLN-M // webcode: 1492** high density



✓ **50-HLN-F // webcode: 1493** high density



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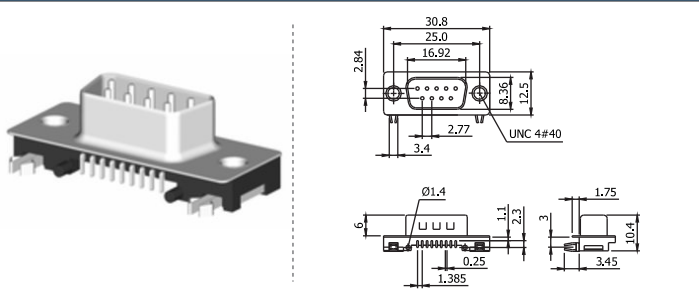
D-Sub | SMT horizontal

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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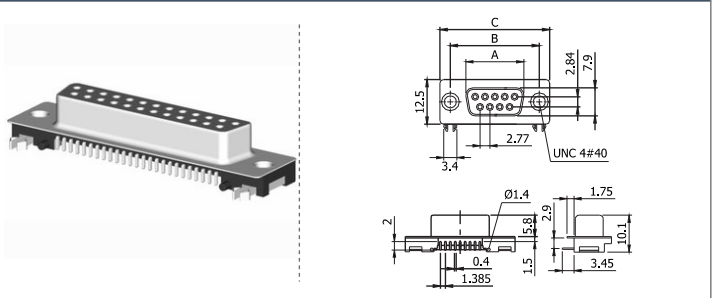


FURTHER PRODUCT INFORMATION is available.
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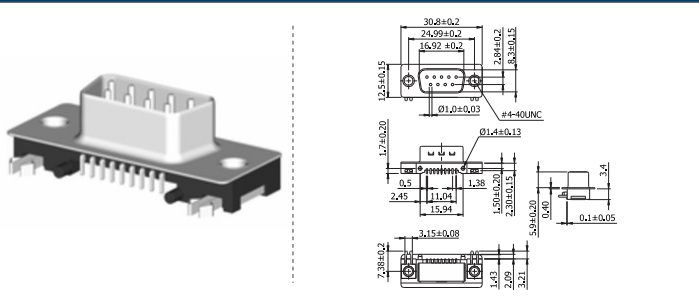
✓ 50-NBN-M // webcode: 1484



✓ 50-NBN-F // webcode: 1485

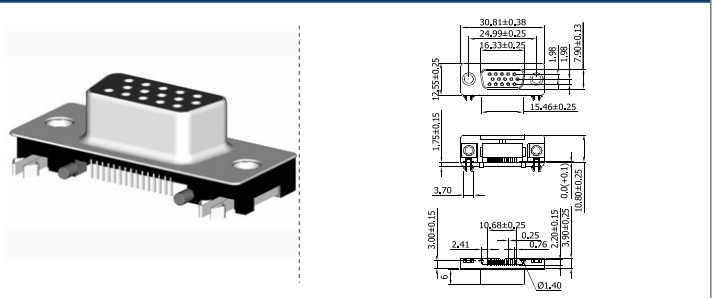


✓ 50-NCN-M // webcode: 1486



✓ 50-HO-F // webcode: 1487

high density



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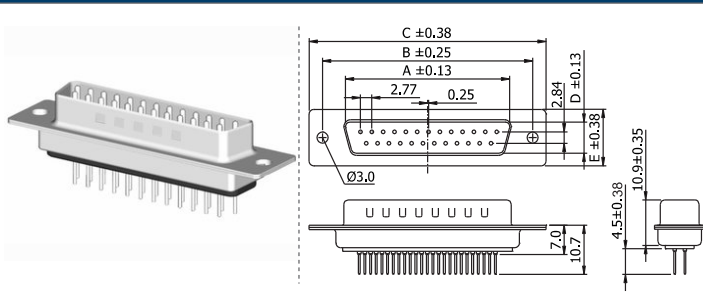
D-Sub | THT vertical

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

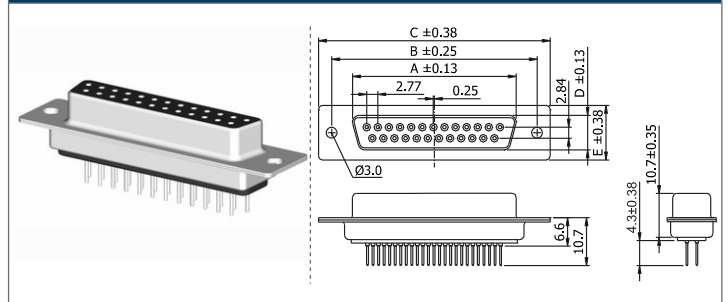


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✓ 50-VSN-M // webcode: 1476

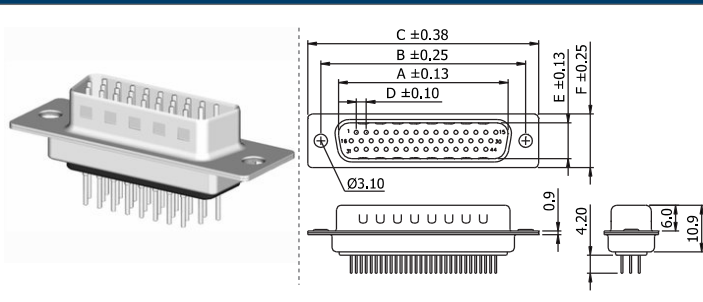


✓ 50-VSN-F // webcode: 1477



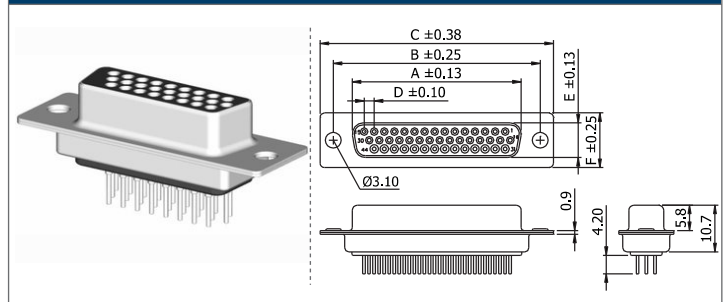
✓ 50-HNN-M // webcode: 1478

high density



✓ 50-HNN-F // webcode: 1479

high density



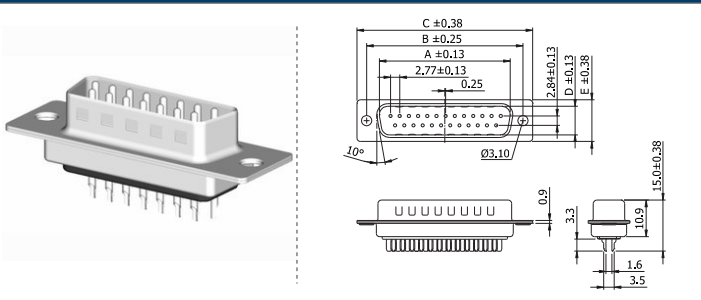
D-Sub | solder cup

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

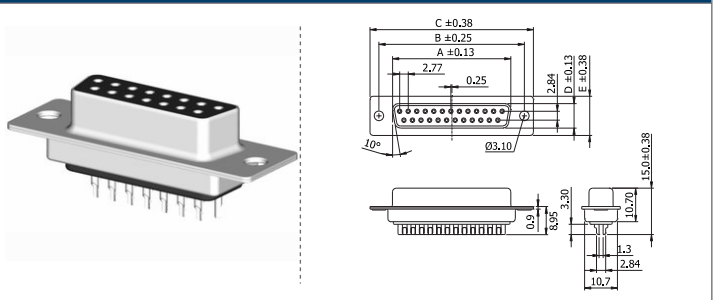


FURTHER PRODUCT INFORMATION is available.
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✓ 50-KNN-M // webcode: 1494

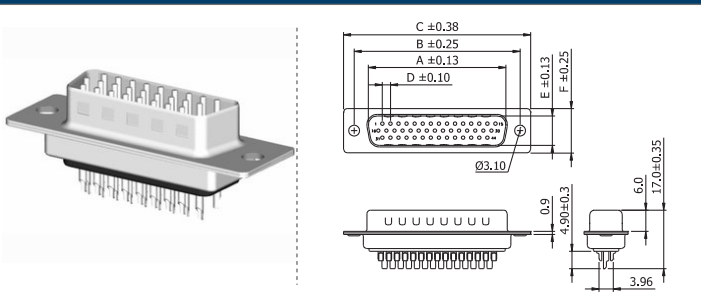


✓ 50-KNN-F // webcode: 1495



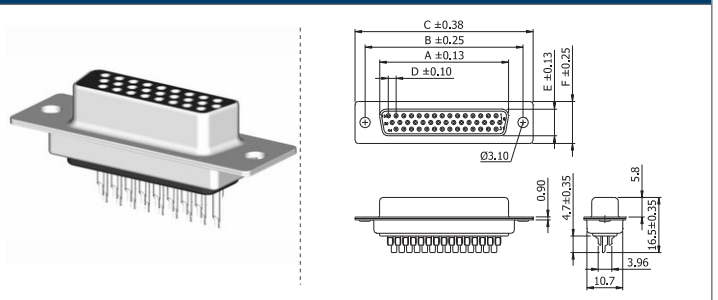
✓ 50-KHN-M // webcode: 1496

high density



✓ 50-KHN-F // webcode: 1497

high density



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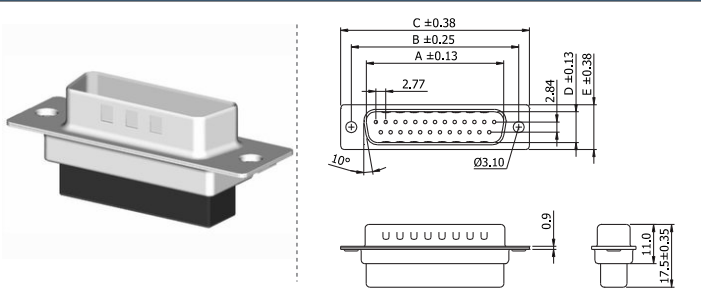
D-Sub | crimp housing

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

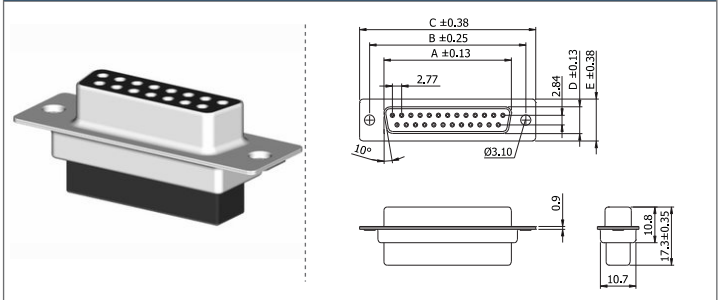


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✓ 50-CNN-M // webcode: 1470

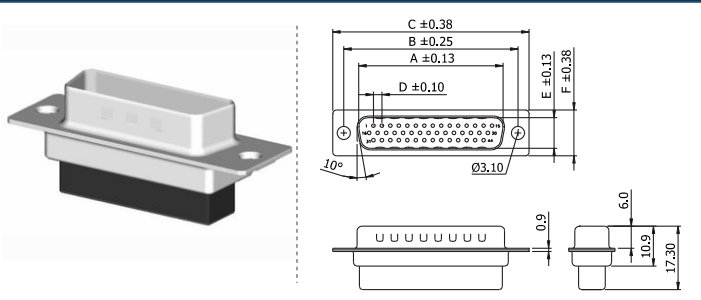


✓ 50-CNN-F // webcode: 1471



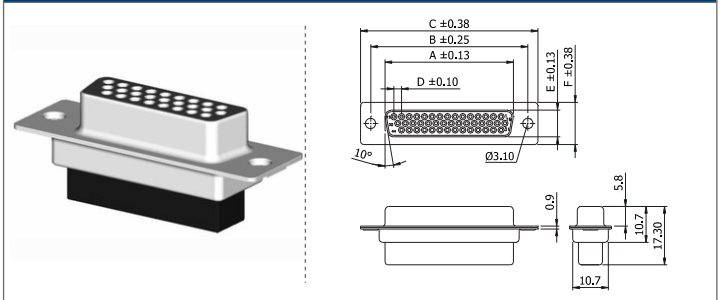
✓ 50-CHN-M // webcode: 1472

high density

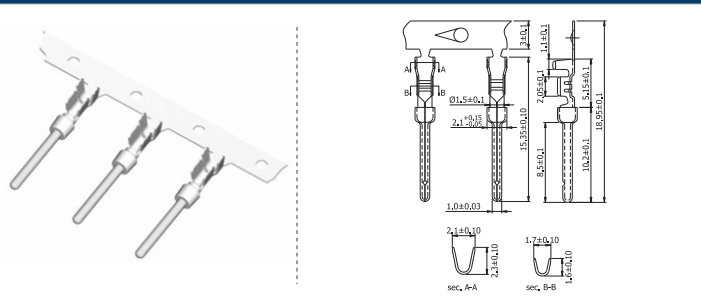


✓ 50-CHN-F // webcode: 1473

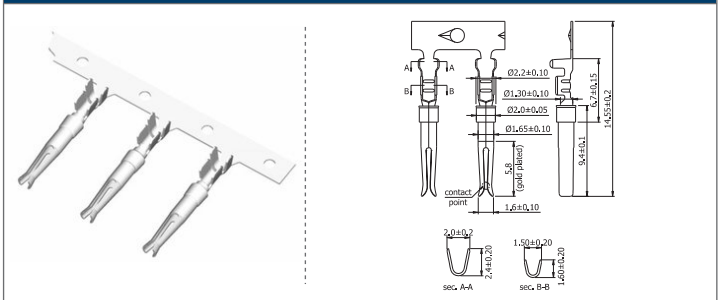
high density



✓ 50-CCN-MN-R // webcode: 1480

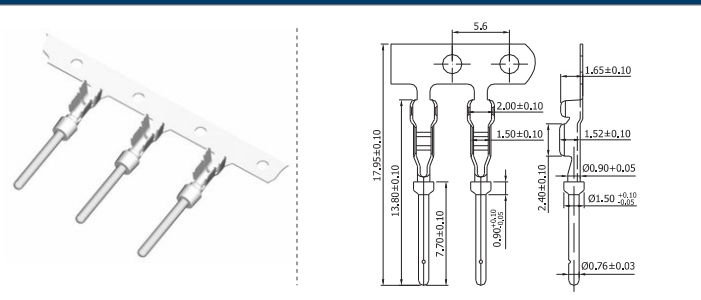


✓ 50-CCN-FN-R // webcode: 1481



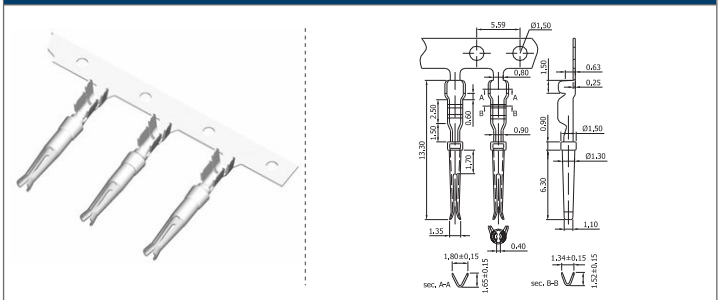
✓ 50-CC-MH-R // webcode: 1482

high density



✓ 50-CC-FH-R // webcode: 1483

high density



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D-Sub | IDC

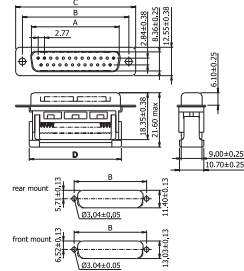
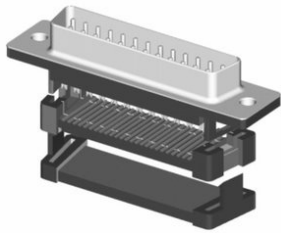
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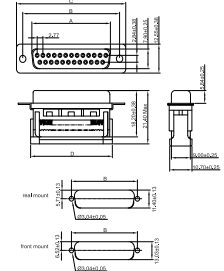
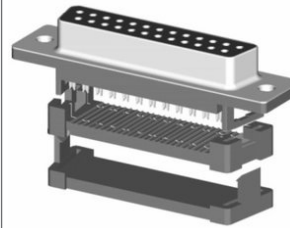
✓ 50-IFG-M // webcode: 1474

AWG #26-#28



✓ 50-IFG-F // webcode: 1475

AWG #26-#28



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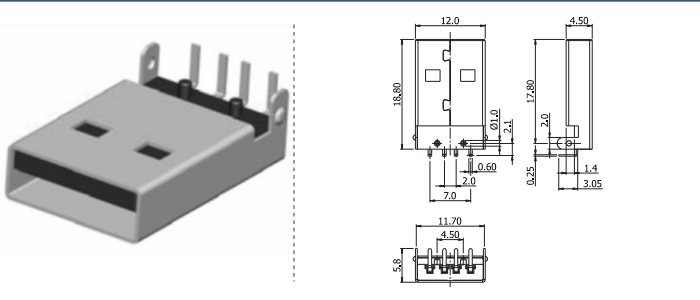
USB

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

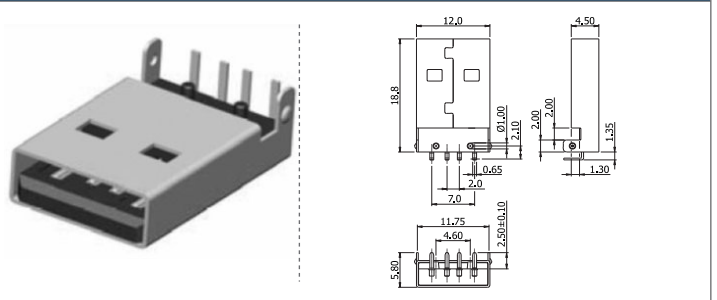


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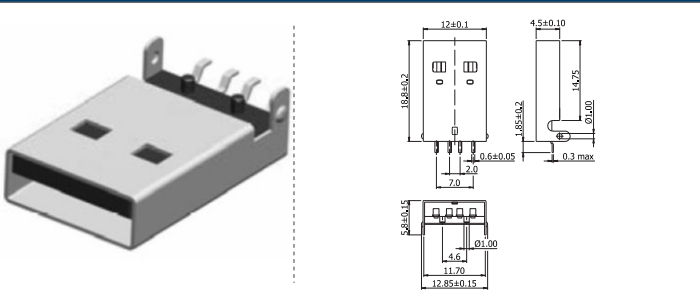
✓ 47SMT9E // webcode: 1548



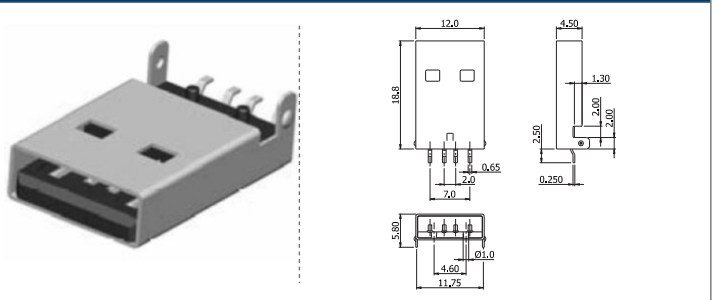
✓ 47SMT9F // webcode: 1550



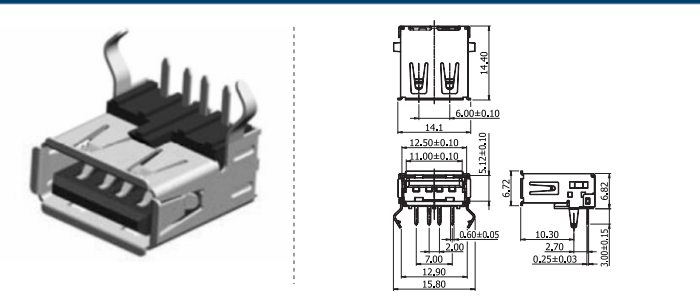
✓ 47SMS9E // webcode: 1551



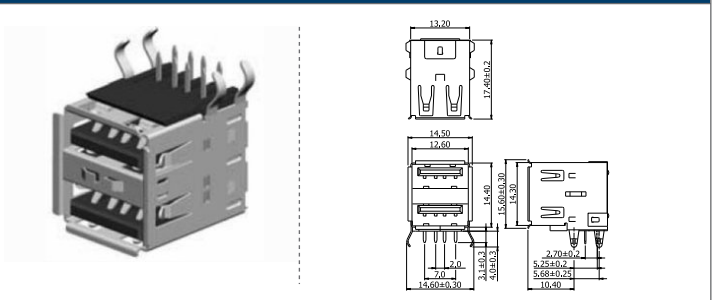
✓ 47SMS9F // webcode: 1552



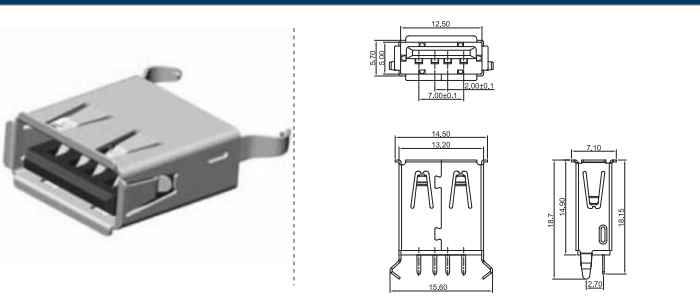
✓ 47SFT9E // webcode: 1553



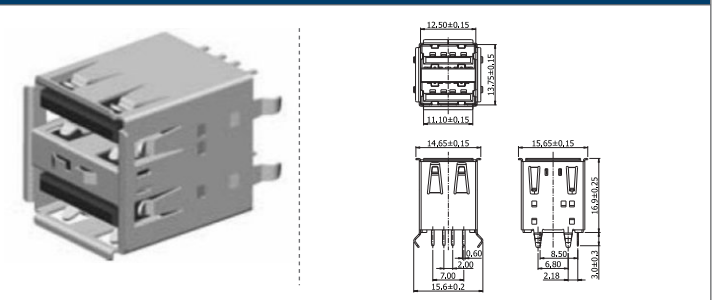
✓ 47SFT9DE // webcode: 1554



✓ 47SFT1E // webcode: 1555



✓ 47SFT1DE // webcode: 1556



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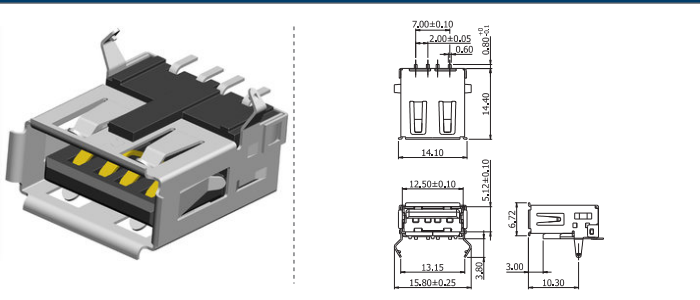
USB

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

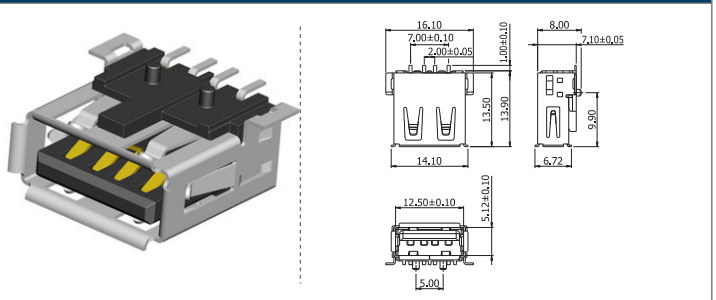


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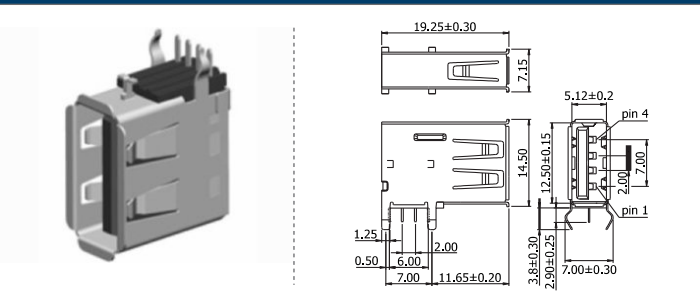
✓ 47SFS9E // webcode: 1557



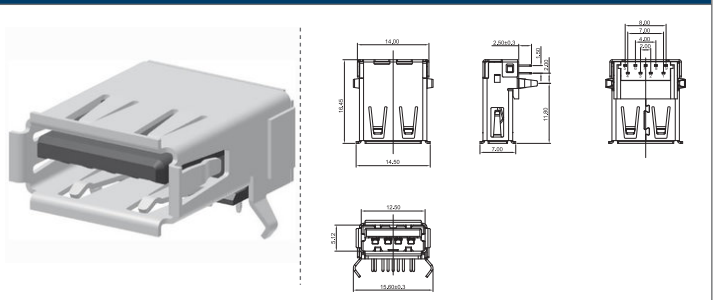
✓ 47SFS9F // webcode: 1558



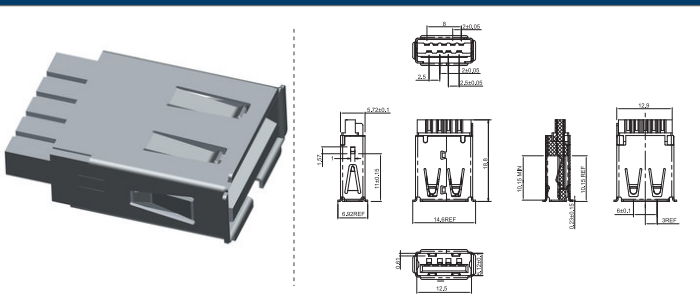
✓ 47SFT9F // webcode: 1562



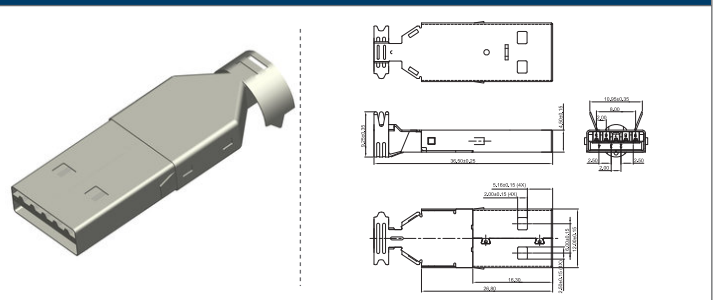
✓ 47TFT9A // webcode: 1619



✓ 47TFW1A // webcode: 1620

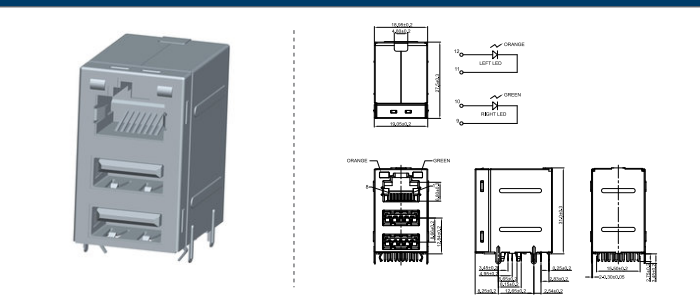


✓ 47TMW1A // webcode: 1618



✓ 47RJFT9L // webcode: 1659

RJ45 with LED



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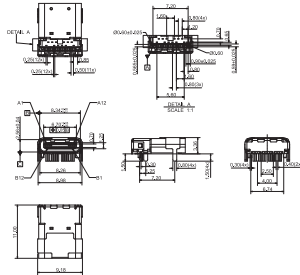
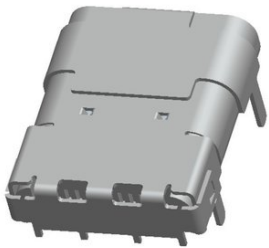
USB

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

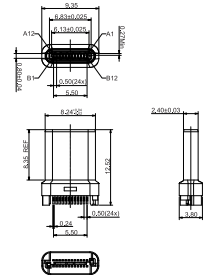


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✓ 47SFR9C // webcode: 1683



✓ 47SMW2C // webcode: 1684



INPUT/OUTPUT

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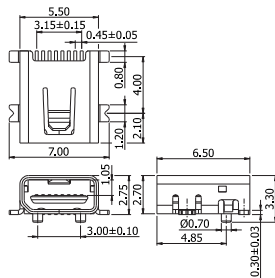
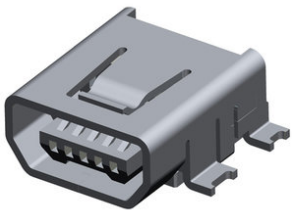
Mini-USB

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

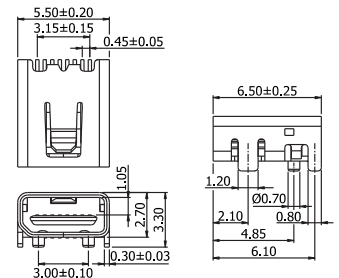
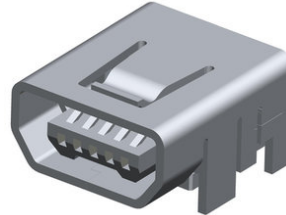


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✓ 47MFS9M // webcode: 1564



✓ 47MFS9L // webcode: 1565



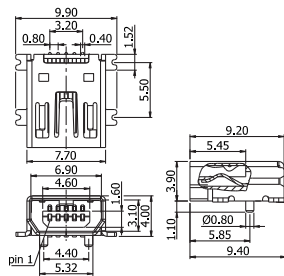
Mini-USB

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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✓ 47MFS9K // webcode: 1566



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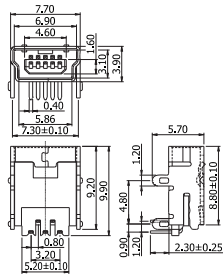
Mini-USB

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

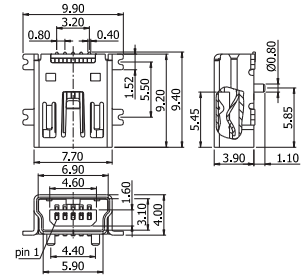


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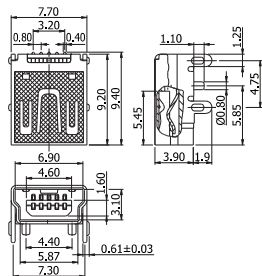
✓ 47MFT9K // webcode: 1567



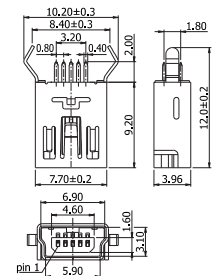
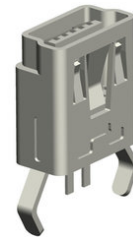
✓ 47MFS9K // webcode: 1568



✓ 47MFS9L // webcode: 1569



✓ 47MFT1E // webcode: 1570



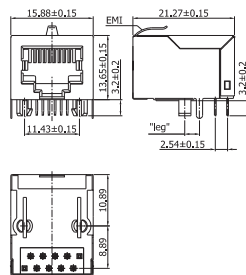
Phone jack – single | THT

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
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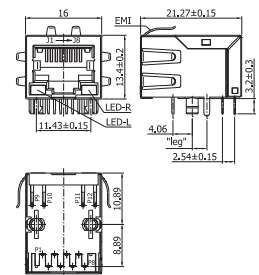
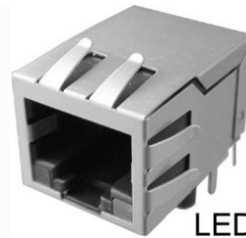
FURTHER PRODUCT INFORMATION is available.
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✓ 45TV11K // webcode: 1503

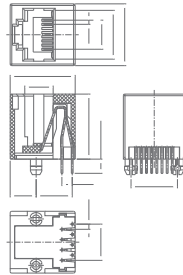
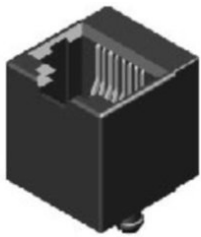


✓ 45TV11K // webcode: 1504

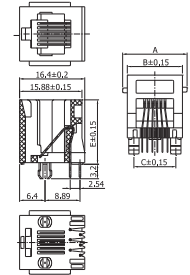
LED



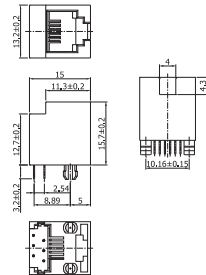
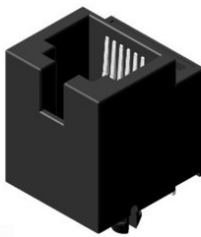
✓ 45TV11F // webcode: 1515



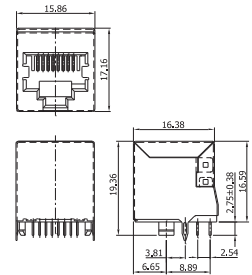
✓ 45TV11G // webcode: 1516



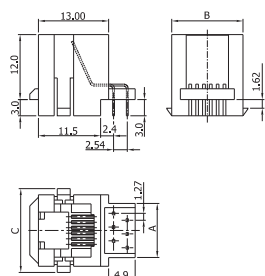
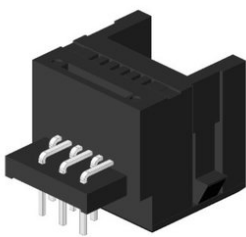
✓ 45TV11H // webcode: 1517



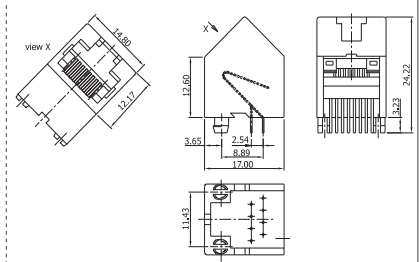
✓ 45TV11A // webcode: 1518



✓ 45TB11A // webcode: 1522



✓ 45TS11A // webcode: 1523



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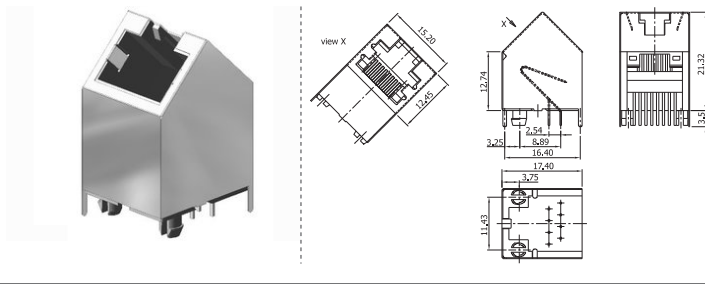
Phone jack – single | THT

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✓ 45TS11B // webcode: 1524



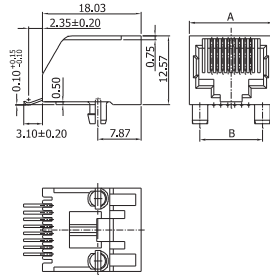
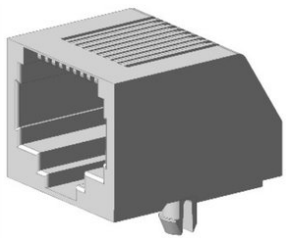
Phone jack – single | SMT

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

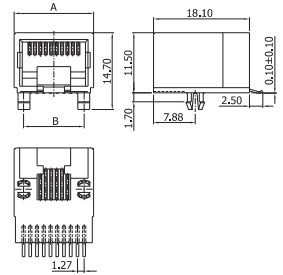


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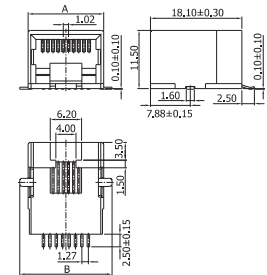
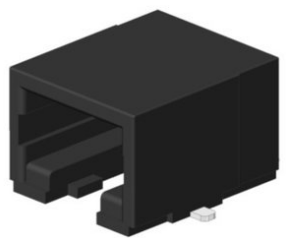
✓ 45SH11A // webcode: 1507 flange and key available



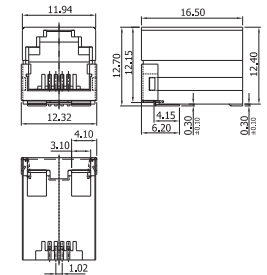
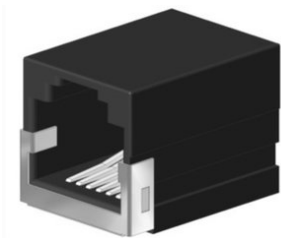
✓ 45SH11B // webcode: 1508 key available



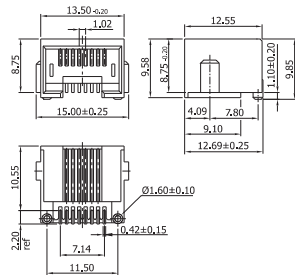
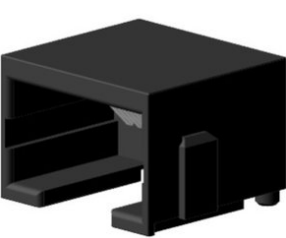
✓ 45SH11C // webcode: 1509 key available



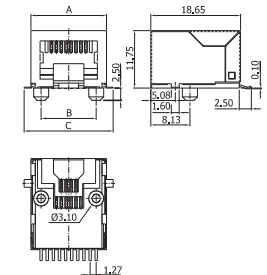
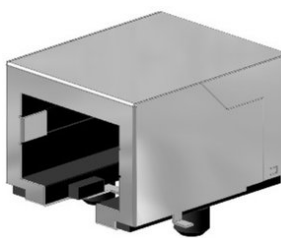
✓ 45SH11D // webcode: 1510



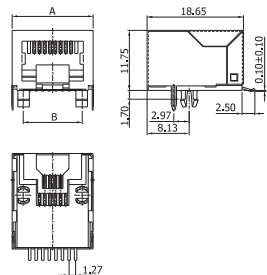
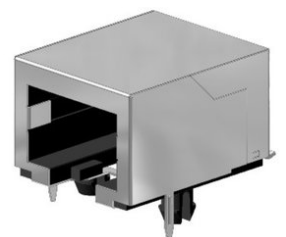
✓ 45SH11E // webcode: 1511 low profile



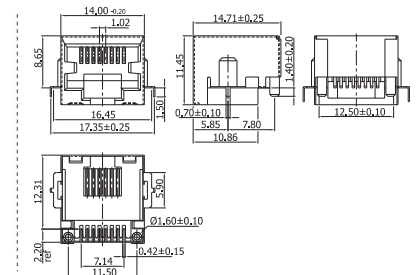
✓ 45SH11A // webcode: 1512



✓ 45SH11B // webcode: 1513



✓ 45SH11C // webcode: 1514



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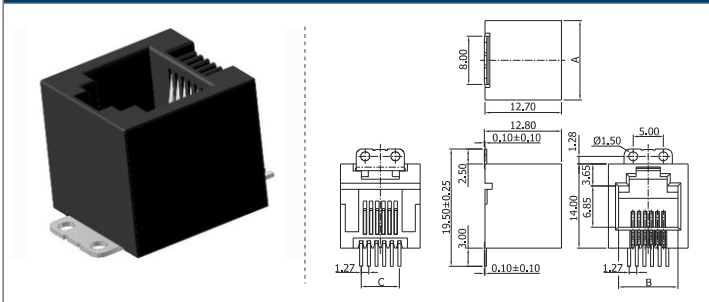
Phone jack – single | SMT

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✓ **45SV11B** // webcode: 1520 low profile



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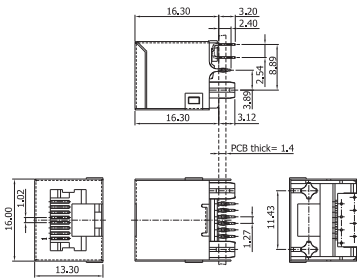
Phone jack – single | press fit

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✓ 45PV11A // webcode: 1521 press fit



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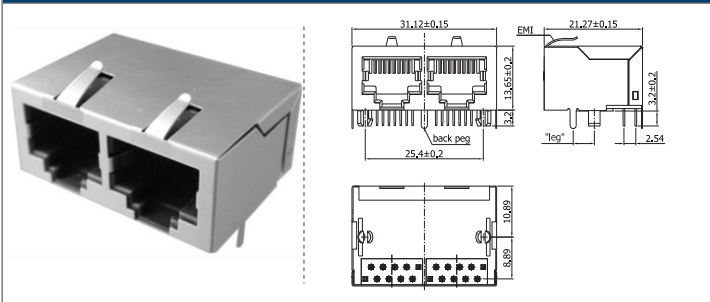
Phone jack – multi | THT

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code.
Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

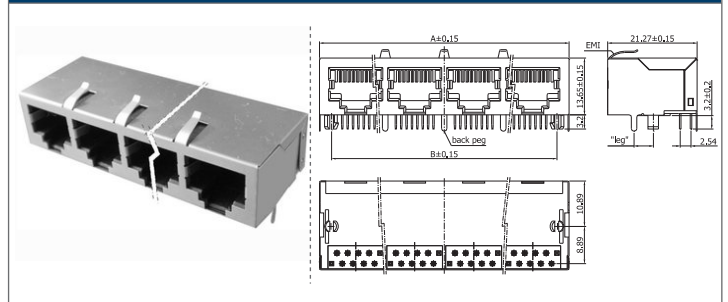


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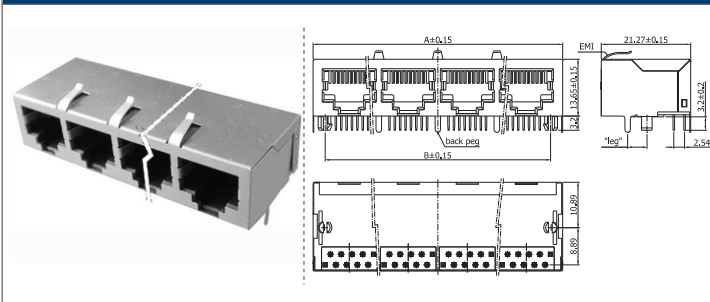
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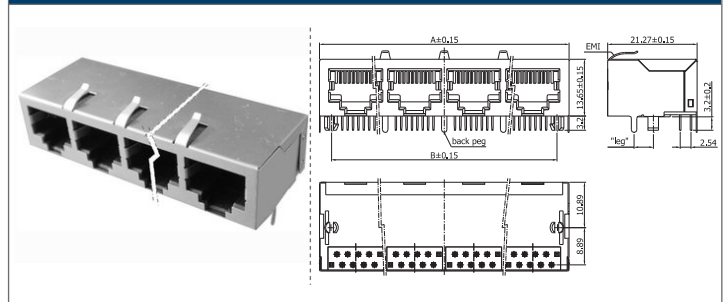
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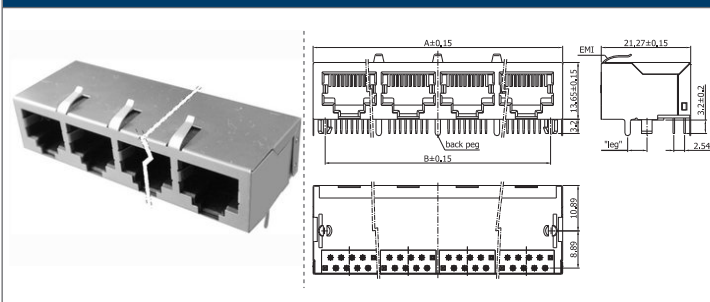
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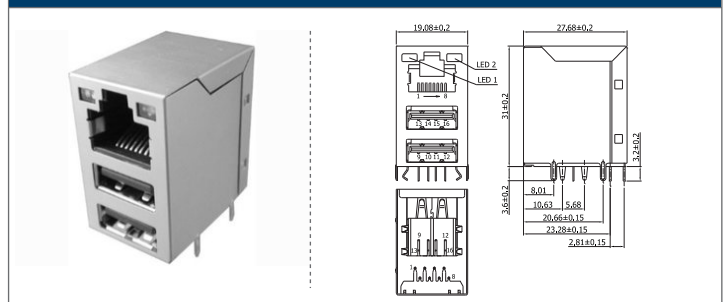
✓ 45TV16K // webcode: 1546



✓ 45TV18K // webcode: 1547



✓ 45TH11K // webcode: 1528



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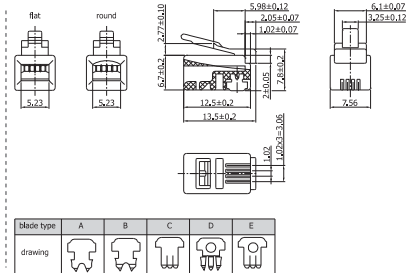
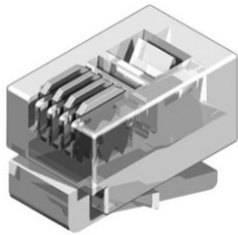
Phone plug

COMPLETE PRODUCT SPECIFICATIONS can be obtained by using the webcode or the QR code. Please enter the **webcode** at www.gsn.cn.com // Please scan the **QR code**.

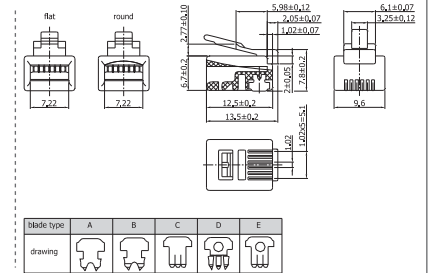
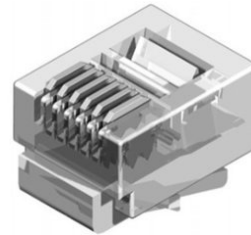


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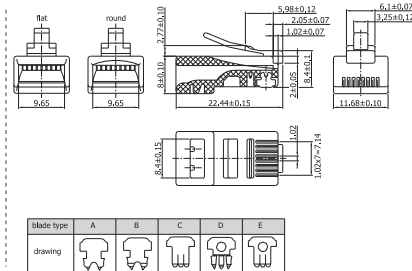
✓ 45CJPA // webcode: 1540



✓ 45CJPA // webcode: 1541

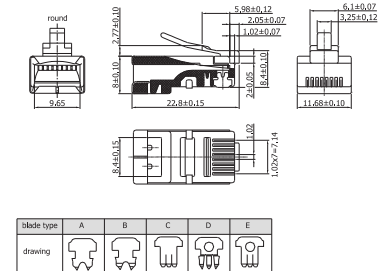


✓ 45CJPA // webcode: 1542



✓ 45CJPA // webcode: 1543

shielded



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