

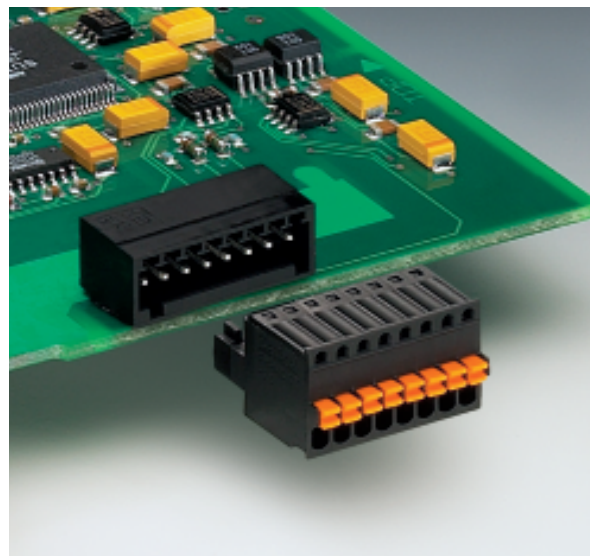
## MICRO COMBICON Headers for Through Hole Reflow Applications MC(V) 0,5/...G-2,5 THT 2.5 mm Pitch

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The consistent use of Through Hole Reflow plug connectors has also made it necessary to extend the COMBICON THR range to include the miniature pitch of 2.5 mm. The new THR MICRO COMBICON headers are of high-temperature resistant plastic and are ideally suited for the SMT reflow processes commonly encountered in industrial environments.

The possibility of being able to process the THR header together with SMD components in just one step using the PIN IN PASTE process, extends the scope of performance of the compact and space-saving MICRO plug connector. The familiar standard component family is now available with 2-12 positions as both vertical and horizontal version, as THR component.

The MC(V) 0,5-THT pin strips are equipped with 3.5 mm standard solder pins, and versions with short solder pins are also available on request. In combination with the through contacted drilled holes, the THR pin strips achieve the same high degree of mechanical stability as the headers soldered using the wave soldering process. The articles are available in loosely packaged form, but can also be supplied on request in a 44 mm wide tape.



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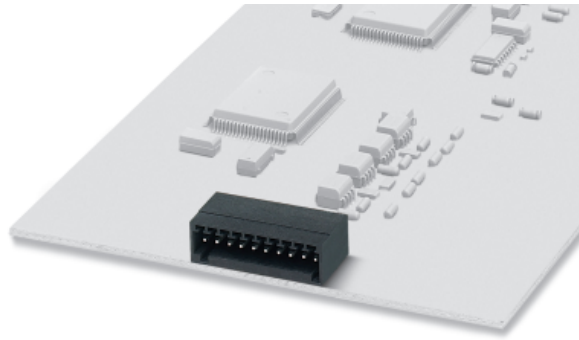


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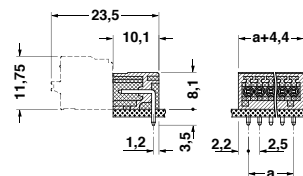
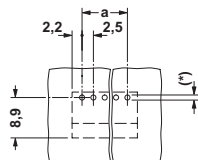
**MC 0,5/...-G-2,5 THT**  
**2.5 mm Pitch**



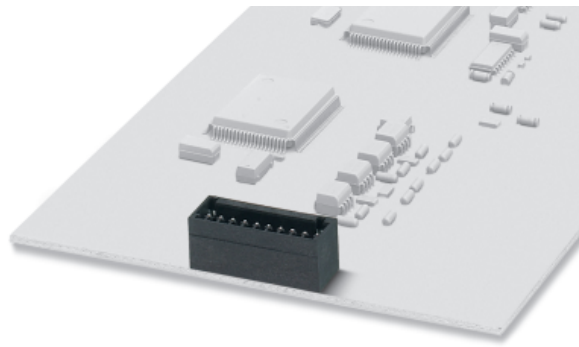
**Note:**

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description                                                                                                              | No. of pos. | Dim.<br>a<br>[mm]                                                                 | Type                | Order No.                          | Pcs./Pkt. |
|--------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|---------------------|------------------------------------|-----------|
| <b>Headers, plug-in direction parallel to the conductor axis, 2.5 mm pitch, color: black,</b>                            | 2           | 2.5                                                                               | MC 0,5/2-G-2,5 THT  | 19 63 42 1                         | 50        |
|                                                                                                                          | 3           | 5                                                                                 | MC 0,5/3-G-2,5 THT  | 19 63 43 4                         |           |
|                                                                                                                          | 4           | 7.5                                                                               | MC 0,5/4-G-2,5 THT  | 19 63 44 7                         |           |
|                                                                                                                          | 5           | 10                                                                                | MC 0,5/5-G-2,5 THT  | 19 63 45 0                         |           |
|                                                                                                                          | 6           | 12.5                                                                              | MC 0,5/6-G-2,5 THT  | 19 63 46 3                         |           |
|                                                                                                                          | 7           | 15                                                                                | MC 0,5/7-G-2,5 THT  | 19 63 47 6                         |           |
|                                                                                                                          | 8           | 17.5                                                                              | MC 0,5/8-G-2,5 THT  | 19 39 30 3                         |           |
|                                                                                                                          | 9           | 20                                                                                | MC 0,5/9-G-2,5 THT  | 19 63 49 2                         |           |
|                                                                                                                          | 10          | 22.5                                                                              | MC 0,5/10-G-2,5 THT | 19 63 50 2                         |           |
|                                                                                                                          | 11          | 25                                                                                | MC 0,5/11-G-2,5 THT | 19 63 51 5                         |           |
|                                                                                                                          | 12          | 27.5                                                                              | MC 0,5/12-G-2,5 THT | 19 39 31 6                         |           |
| (1) <b>Coding profile</b> , is inserted into the groove on the header <b>after</b> reflow-soldering, made of red plastic |             |  | <b>CP-MC 0,5</b>    | <b>18 81 43 5</b>                  | 100       |
| <b>Technical data</b>                                                                                                    |             |                                                                                   | see description     |                                    |           |
| Dimensions                                                                                                               |             |                                                                                   |                     | 2.5                                |           |
| Pitch                                                                                                                    |             | [mm]                                                                              |                     | *) ≤ 8-pos. = 1.2 / > 8-pos. = 1.3 |           |
| Hole diameter                                                                                                            |             | [mm]                                                                              |                     | 0.8 x 0.8                          |           |
| Pin dimensions                                                                                                           |             | [mm]                                                                              |                     |                                    |           |
| <b>Technical data in accordance with IEC/ DIN VDE</b>                                                                    |             |                                                                                   |                     |                                    |           |
| Insulating material group                                                                                                |             | —                                                                                 |                     | IIIa                               |           |
| Surge voltage category / contamination class                                                                             |             | —/—                                                                               | III / 3             | III / 2                            | II / 2    |
| Rated voltage                                                                                                            |             | [V]                                                                               | 32                  | 160                                | 160       |
| Rated surge voltage                                                                                                      |             | [kV]                                                                              | 1.5                 | 2.5                                | 2.5       |
| Nominal current / cross section                                                                                          |             | [A]/[mm²]                                                                         |                     | 4 / —                              |           |
| Maximum load current / cross section                                                                                     |             | [A]/[mm²]                                                                         |                     | 4 / —                              |           |
| <b>Insulating material</b>                                                                                               |             |                                                                                   |                     | PA                                 |           |
| Inflammability class in acc. with UL 94                                                                                  |             |                                                                                   |                     | VO                                 |           |
| <b>Approval data (UL/CUL and CSA)</b>                                                                                    |             |                                                                                   |                     |                                    |           |
| <b>Nominal voltage / current / conductor sizes</b>                                                                       |             | UL/CUL: [V]/[AI/AWG]<br>CSA: [V]/[AI/AWG]                                         |                     | applied for                        | —         |



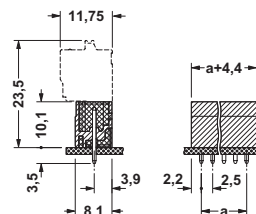
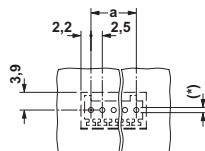
# MCV 0,5/...-G-2,5 THT 2.5 mm Pitch



## Note:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description                                                                                   | No. of pos.                                                                                                              | Dim.<br>a<br>[mm]                                                                 | Type                               | Order No.        | Pcs./Pkt. |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------|------------------|-----------|
| <b>Headers, plug-in direction vertical to the conductor axis, 2.5 mm pitch, color: black,</b> | 2                                                                                                                        | 2.5                                                                               | MCV 0,5/2-G-2,5 THT                | 19 63 53 1       | 50        |
|                                                                                               | 3                                                                                                                        | 5                                                                                 | MCV 0,5/3-G-2,5 THT                | 19 63 54 4       |           |
|                                                                                               | 4                                                                                                                        | 7.5                                                                               | MCV 0,5/4-G-2,5 THT                | 19 63 55 7       |           |
|                                                                                               | 5                                                                                                                        | 10                                                                                | MCV 0,5/5-G-2,5 THT                | 19 63 56 0       |           |
|                                                                                               | 6                                                                                                                        | 12.5                                                                              | MCV 0,5/6-G-2,5 THT                | 19 63 57 3       |           |
|                                                                                               | 7                                                                                                                        | 15                                                                                | MCV 0,5/7-G-2,5 THT                | 19 63 58 6       |           |
|                                                                                               | 8                                                                                                                        | 17.5                                                                              | MCV 0,5/8-G-2,5 THT                | 19 63 59 9       |           |
|                                                                                               | 9                                                                                                                        | 20                                                                                | MCV 0,5/9-G-2,5 THT                | 19 63 60 9       |           |
|                                                                                               | 10                                                                                                                       | 22.5                                                                              | MCV 0,5/10-G-2,5 THT               | 19 63 61 2       |           |
|                                                                                               | 11                                                                                                                       | 25                                                                                | MCV 0,5/11-G-2,5 THT               | 19 63 62 5       |           |
|                                                                                               | 12                                                                                                                       | 27.5                                                                              | MCV 0,5/12-G-2,5 THT               | 19 63 63 8       |           |
|                                                                                               | (1) <b>Coding profile</b> , is inserted into the groove on the header <b>after</b> reflow-soldering, made of red plastic |  |                                    | <b>CP-MC 0,5</b> |           |
| <b>Technical data</b>                                                                         |                                                                                                                          |                                                                                   |                                    |                  |           |
| Dimensions                                                                                    |                                                                                                                          |                                                                                   | see description                    |                  |           |
| Pitch                                                                                         |                                                                                                                          | [mm]                                                                              | 2.5                                |                  |           |
| Hole diameter                                                                                 |                                                                                                                          | [mm]                                                                              | *) ≤ 8-pos. = 1.2 / > 8-pos. = 1.3 |                  |           |
| Pin dimensions                                                                                |                                                                                                                          | [mm]                                                                              | 0.8 x 0.8                          |                  |           |
| <b>Technical data in accordance with IEC/ DIN VDE</b>                                         |                                                                                                                          |                                                                                   |                                    |                  |           |
| Insulating material group                                                                     |                                                                                                                          | –                                                                                 |                                    | IIIa             |           |
| Surge voltage category / contamination class                                                  |                                                                                                                          | –/–                                                                               | III / 3                            | III / 2          | II / 2    |
| Rated voltage                                                                                 |                                                                                                                          | [V]                                                                               | 32                                 | 160              | 160       |
| Rated surge voltage                                                                           |                                                                                                                          | [kV]                                                                              | 1.5                                | 2.5              | 2.5       |
| Nominal current / cross section                                                               |                                                                                                                          | [A]/[mm²]                                                                         |                                    | 4 / –            |           |
| Maximum load current / cross section                                                          |                                                                                                                          | [A]/[mm²]                                                                         |                                    | 4 / –            |           |
| <b>Insulating material</b>                                                                    |                                                                                                                          |                                                                                   |                                    | PA               |           |
| Inflammability class in acc. with UL 94                                                       |                                                                                                                          |                                                                                   |                                    | V0               |           |
| <b>Approval data (UL/CUL and CSA)</b>                                                         |                                                                                                                          |                                                                                   |                                    |                  |           |
| <b>Nominal voltage / current / conductor sizes</b>                                            |                                                                                                                          | UL/CUL: [V]/[A]/AWG<br>CSA: [V]/[A]/AWG                                           |                                    | applied for      | –         |



# MC 0,5/...-G-2,5 THT R44

## 2.5 mm Pitch

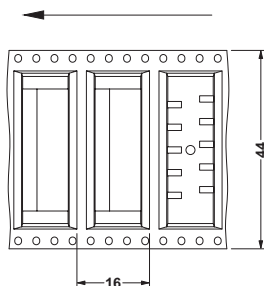


### Note:

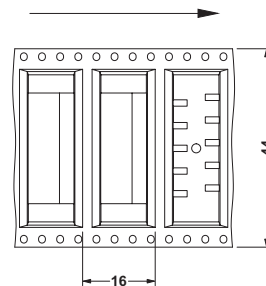
COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description                                                                                                     | No. of pos.                                                                                                              | Dim.<br>a<br>[mm] | Type                                    | Order No.                                                                         | Pcs./Pkt. |                  |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------|-----------------------------------------------------------------------------------|-----------|------------------|
| <b>Headers packed in tapes, plug-in direction horizontal to the conductor axis, 2.5 mm pitch, color: black,</b> | 2                                                                                                                        | 2.5               | MC 0,5/2-G-2,5 THT R44                  | 19 63 64 1                                                                        | 330       |                  |
|                                                                                                                 | 3                                                                                                                        | 5                 | MC 0,5/3-G-2,5 THT R44                  | 19 63 65 4                                                                        |           |                  |
|                                                                                                                 | 4                                                                                                                        | 7.5               | MC 0,5/4-G-2,5 THT R44                  | 19 63 66 7                                                                        |           |                  |
|                                                                                                                 | 5                                                                                                                        | 10                | MC 0,5/5-G-2,5 THT R44                  | 19 63 67 0                                                                        |           |                  |
|                                                                                                                 | 6                                                                                                                        | 12.5              | MC 0,5/6-G-2,5 THT R44                  | 19 63 68 3                                                                        |           |                  |
|                                                                                                                 | 7                                                                                                                        | 15                | MC 0,5/7-G-2,5 THT R44                  | 19 63 69 6                                                                        |           |                  |
|                                                                                                                 | 8                                                                                                                        | 17.5              | MC 0,5/8-G-2,5 THT R44                  | 19 63 70 6                                                                        |           |                  |
|                                                                                                                 | 9                                                                                                                        | 20                | MC 0,5/9-G-2,5 THT R44                  | 19 63 71 9                                                                        |           |                  |
|                                                                                                                 | 10                                                                                                                       | 22.5              | MC 0,5/10-G-2,5 THT R44                 | 19 63 72 2                                                                        |           |                  |
|                                                                                                                 | 11                                                                                                                       | 25                | MC 0,5/11-G-2,5 THT R44                 | 19 63 73 5                                                                        |           |                  |
|                                                                                                                 | 12                                                                                                                       | 27.5              | MC 0,5/12-G-2,5 THT R44                 | 19 63 74 8                                                                        |           |                  |
|                                                                                                                 | (1) <b>Coding profile</b> , is inserted into the groove on the header <b>after</b> reflow-soldering, made of red plastic |                   |                                         |  |           | <b>CP-MC 0,5</b> |
| <b>Technical data</b>                                                                                           |                                                                                                                          |                   |                                         |                                                                                   |           |                  |
| Dimensions                                                                                                      |                                                                                                                          |                   | see description                         |                                                                                   |           |                  |
| Pitch                                                                                                           |                                                                                                                          |                   | 2.5                                     |                                                                                   |           |                  |
| Hole diameter                                                                                                   |                                                                                                                          |                   | ≤ 8-pos. = 1.2 / > 8-pos. = 1.3         |                                                                                   |           |                  |
| Pin dimensions                                                                                                  |                                                                                                                          |                   | 0.8 x 0.8                               |                                                                                   |           |                  |
| <b>Technical data in accordance with IEC/ DIN VDE</b>                                                           |                                                                                                                          |                   |                                         |                                                                                   |           |                  |
| Insulating material group                                                                                       |                                                                                                                          |                   | IIIa                                    |                                                                                   |           |                  |
| Surge voltage category / contamination class                                                                    |                                                                                                                          |                   | III / 3 III / 2 II / 2                  |                                                                                   |           |                  |
| Rated voltage                                                                                                   |                                                                                                                          |                   | 32 160 160                              |                                                                                   |           |                  |
| Rated surge voltage                                                                                             |                                                                                                                          |                   | 1.5 2.5 2.5                             |                                                                                   |           |                  |
| Nominal current / cross section                                                                                 |                                                                                                                          |                   | 4 / –                                   |                                                                                   |           |                  |
| Maximum load current / cross section                                                                            |                                                                                                                          |                   | 4 / –                                   |                                                                                   |           |                  |
| <b>Insulating material</b>                                                                                      |                                                                                                                          |                   |                                         |                                                                                   |           |                  |
| Inflammability class in acc. with UL 94                                                                         |                                                                                                                          |                   | PA                                      |                                                                                   |           |                  |
|                                                                                                                 |                                                                                                                          |                   | V0                                      |                                                                                   |           |                  |
| <b>Approval data (UL/CUL and CSA)</b>                                                                           |                                                                                                                          |                   |                                         |                                                                                   |           |                  |
| <b>Nominal voltage / current / conductor sizes</b>                                                              |                                                                                                                          |                   | UL/CUL: [V]/[A]/AWG<br>CSA: [V]/[A]/AWG |                                                                                   |           |                  |
|                                                                                                                 |                                                                                                                          |                   | applied for<br>–                        |                                                                                   |           |                  |

MC 0,5/...-G-2,5 THT R44,  
Tape width 44 mm, even nos. of positions,  
feeder direction



MC 0,5/...-G-2,5 THT R44,  
Tape width 44 mm, odd nos. of positions,  
feeder direction



# MCV 0,5/...-G-2,5 THT R44 2.5 mm Pitch

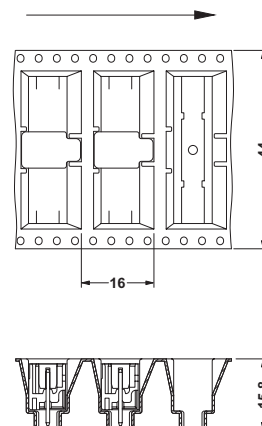


## Note:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description                                                                                                              | No. of pos. | Dim.<br>a<br>[mm]                                                                 | Type                                               | Order No.  | Pcs./Pkt. |
|--------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------|----------------------------------------------------|------------|-----------|
| <b>Headers packed in tapes, plug-in direction vertical to the conductor axis, 2.5 mm pitch, color: black,</b>            | 2           | 2.5                                                                               | MCV 0,5/2-G-2,5 THT R44                            | 19 63 75 1 | 330       |
|                                                                                                                          | 3           | 5                                                                                 | MCV 0,5/3-G-2,5 THT R44                            | 19 63 76 4 |           |
|                                                                                                                          | 4           | 7.5                                                                               | MCV 0,5/4-G-2,5 THT R44                            | 19 63 77 7 |           |
|                                                                                                                          | 5           | 10                                                                                | MCV 0,5/5-G-2,5 THT R44                            | 19 63 78 0 |           |
|                                                                                                                          | 6           | 12.5                                                                              | MCV 0,5/6-G-2,5 THT R44                            | 19 63 79 3 |           |
|                                                                                                                          | 7           | 15                                                                                | MCV 0,5/7-G-2,5 THT R44                            | 19 63 80 3 |           |
|                                                                                                                          | 8           | 17.5                                                                              | MCV 0,5/8-G-2,5 THT R44                            | 19 63 81 6 |           |
|                                                                                                                          | 9           | 20                                                                                | MCV 0,5/9-G-2,5 THT R44                            | 19 63 82 9 |           |
|                                                                                                                          | 10          | 22.5                                                                              | MCV 0,5/10-G-2,5 THT R44                           | 19 63 84 5 |           |
|                                                                                                                          | 11          | 25                                                                                | MCV 0,5/11-G-2,5 THT R44                           | 19 63 85 8 |           |
|                                                                                                                          | 12          | 27.5                                                                              | MCV 0,5/12-G-2,5 THT R44                           | 19 63 86 1 |           |
| (1) <b>Coding profile</b> , is inserted into the groove on the header <b>after</b> reflow-soldering, made of red plastic |             |  | CP-MC 0,5                                          | 18 81 43 5 | 100       |
| <b>Technical data</b>                                                                                                    |             |                                                                                   | see description                                    |            |           |
| Dimensions                                                                                                               |             |                                                                                   | 2.5                                                |            |           |
| Pitch                                                                                                                    |             | [mm]                                                                              | $\leq 8\text{-pos.} = 1.2 / > 8\text{-pos.} = 1.3$ |            |           |
| Hole diameter                                                                                                            |             | [mm]                                                                              | 0.8 x 0.8                                          |            |           |
| Pin dimensions                                                                                                           |             | [mm]                                                                              |                                                    |            |           |
| <b>Technical data in accordance with IEC/ DIN VDE</b>                                                                    |             |                                                                                   |                                                    |            |           |
| Insulating material group                                                                                                |             | —                                                                                 | IIIa                                               |            |           |
| Surge voltage category / contamination class                                                                             |             | —/—                                                                               | III / 3                                            | III / 2    | II / 2    |
| Rated voltage                                                                                                            |             | [V]                                                                               | 32                                                 | 160        | 160       |
| Rated surge voltage                                                                                                      |             | [kV]                                                                              | 1.5                                                | 2.5        | 2.5       |
| Nominal current / cross section                                                                                          |             | [A]/[mm <sup>2</sup> ]                                                            | 4 / —                                              |            |           |
| Maximum load current / cross section                                                                                     |             | [A]/[mm <sup>2</sup> ]                                                            | 4 / —                                              |            |           |
| <b>Insulating material</b>                                                                                               |             |                                                                                   | PA                                                 |            |           |
| Inflammability class in acc. with UL 94                                                                                  |             |                                                                                   | V0                                                 |            |           |
| <b>Approval data (UL/CUL and CSA)</b>                                                                                    |             |                                                                                   |                                                    |            |           |
| Nominal voltage / current / conductor sizes                                                                              |             | UL/CUL: [V]/[A]/AWG<br>CSA: [V]/[A]/AWG                                           | applied for<br>—                                   |            |           |

MCV 0,5/...-G-2,5 THT R44,  
Tape width 44 mm, even and odd nos. of positions,  
feeder direction





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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