

Online Direct Selling

of PCBs



www.microcirtec.com



YOUR ADVANTAGE

- + Standard delivery time from 5 WD
- + Express Service from 3 WD
- + Up to 20 % discount compared to offline
- + Instant pricing – without registration
- + Direct Ordering – 7 days, 24 hrs.
- + From one to eight layer PCBs
- + Checking of order status always possible
- + Access to order data at any time
- + Design Rule Check (DRC)
- + Electrical test optional
- + RoHs-Compliant (leadfree)
- + UL-Listing on desire



ONLY 3 STEPS

1. CHOOSE YOUR CALCULATION AREA

On www.microcirtec.com you have the choice between two calculation areas and one category for online requests for quotation. For many reasons most of our customers prefer the Medium Jet Line. *Please select!*

2. START THE QUOTATION PROGRAMM FOR FREE

Please enter your data into the form and do not hesitate to try different options (i.e. Electrical testing with adapter or flying probe).

3. ORDER YOUR PCBs ... READY!

Should our quotation prove satisfactory – click on the order button or put it into the shopping basket before and order later. For the ordering process we need your registration before. *It's certainly for free!*

For details look at page no. 2 ...

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1. CHOOSE YOUR CALCULATION AREA

The screenshot shows the Microcirtec website interface. At the top, there's a navigation bar with links like 'German', 'Contact', 'Jobs', etc. The main header features the Microcirtec logo and the text 'Printed Circuit Boards PCB made in Germany'. A prominent red banner highlights 'in multilayer with 8 layers online available. +++ NEW!! From now on multilayer with 8 layers online'. Below this, there's a 'Direct - Quote - Calculator — Online - Ordering' section. A large red button with a white arrow and the text 'calculate now click here!' is visible. To the right of this button, three service options are listed: 'Medium Jet Line', 'Basic Jet Line', and 'Premium Jet Line', each with a brief description and a 'More | Calculate' link. A 'Pay among others with:' section shows logos for PayPal, giro pay, VISA, and MasterCard. Below that, there's a 'Special tips (1/7)' section with a '[Show all tips]' link. A 'We search for added Value Reseller' section features an image of two hands shaking. At the bottom, there's a 'Your advantages at a glance' section with a grid of 10 checked boxes listing benefits like 'Direct-Online saves up to 20%*', 'Free registration', 'Standard 5 w-days turnaround without surcharge', etc. The footer includes contact information and a list of certification logos (MOODY, ZEN, LEAD-FREE).

MEDIUM JET LINE

For all prototypes and up to volume batches. All kind of features for standard PCBs can be quoted and ordered: from 1 to 8 layers, RoHs-Compliant, UL, Electrical Test and as Express Service.

BASIC JET LINE

Perfect for testing several prototypes in one order batch. Cheap, quick and easy online ordering!

PREMIUM JET LINE

Suitable for all volumes and specifications. Send us your request for quotation and our team will send you a manual quotation as soon as possible.

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2.1 CALCULATING

ENTER YOUR DATA

The screenshot shows a web form for calculating PCB prices. It includes various input fields and dropdown menus. Annotations on the left side of the form include: 'Article description of PCBs' pointing to the 'Designation of the board' field; 'Number of PCBs' pointing to the 'Number of Units of each PCBs' field; 'Length of PCB in mm' pointing to the 'Length of PCB in mm' field; 'Width of PCB in mm' pointing to the 'Width of PCBs in mm' field; 'Would you like a delivery in panelized Boards (PB)?' pointing to the 'Delivery in Panelized Boards' dropdown; 'Would you like an Electrical testing?' pointing to the 'Test optional' dropdown; 'Would you like a Silk screen?' pointing to the 'Silk Screen' dropdown; and 'Shipping method' pointing to the 'Methods of Shipment' dropdown. Annotations on the right side include: 'Number of layers' pointing to the 'Number of Layers' dropdown; 'Use the hyperlink for field information (click on the red letters)' pointing to the red asterisks in the form; 'Item number' pointing to the 'Item-Number' field; 'File format: Gerber, Eagle, ODB++, DPF' pointing to the 'File Format' dropdown; 'Protective coating (is given)' pointing to the 'Protective Coating' dropdown; 'Contour: Milling, routing etc.' pointing to the 'Routing / Scoring' dropdown; 'Type of a base material (is given)' pointing to the 'Type of the Base Material' dropdown; 'Final Copper Thickness of outer Layers: 35 μ - 70 μ' pointing to the 'Final Copper Thickness of Outer Layers' dropdown; 'Final PCB Thickness in mm: 1,00 mm - 2,40 mm' pointing to the 'Final PCB Thickness in mm' dropdown; 'Specifications and Listings: UL Approbation?' pointing to the 'Specifications and Listings' dropdown; 'Number of MAAs: Change of milling directions' pointing to the 'Milling and Routing? MAAs' dropdown; and 'Design Rule Check? (DRC)' pointing to the 'Design Rule Check' dropdown. At the bottom, there are four buttons: 'Calculation' (with a red arrow pointing to 'Calculate your price'), 'Reset' (with a red arrow pointing to 'Delete the form data'), 'Order' (with a red arrow pointing to 'Order now*'), and 'Shopping basket' (with a red arrow pointing to 'Save your data in the shopping basket for recalling or changing*'). A note at the bottom right states: '* This options are only possible, if you logged in.' A large grey number '2' is on the left side of the page.

Article description of PCBs

Number of PCBs

Length of PCB in mm

Width of PCB in mm

Would you like a delivery in panelized Boards (PB)?

Would you like an Electrical testing?

Would you like a Silk screen?

Shipping method

Put in necessary information (f. ex. your own order number or annotations being necessary for the handling of your order)

Number of layers

Use the hyperlink for field information (click on the red letters)

Item number

File format: Gerber, Eagle, ODB++, DPF

Protective coating (is given)

Contour: Milling, routing etc.

Type of a base material (is given)

Final Copper Thickness of outer Layers: 35 μ - 70 μ

Final PCB Thickness in mm: 1,00 mm - 2,40 mm

Specifications and Listings: UL Approbation?

Number of MAAs: Change of milling directions

Design Rule Check? (DRC)

Calculate your price

Delete the form data

Order now*

Save your data in the shopping basket for recalling or changing*

* This options are only possible, if you logged in.

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2.2 ONLINE QUOTATION

RESULT OF CALCULATION

After having put in your data the system will calculate automatically. The result is our quotation:

microCIRTEC
Microcirtec Micro Circuit Technology GmbH
Oberdiessemer Strasse 15, 47805 Krefeld
Registration-No: KR HRB 2703 -
USt-IdNr.: DE 120 151 127
Managing Director: Andreas Brüggemann
Current Server time:
28. Feb. 2008 Uhr: 14:39:41
Project-Adviser: gaby.gross@microcirtec.de

Online-Quotation - Medium-Line:
Order No:
08-02-28-154199-AF-43550
Telephone: ++49 (0) 21 51 825-1
Hot-Line: ++49-(0)-171-325 0 853
Fax: ++49 (0) 21 51 932 450
E-Mail: Tecline@MicroCirtec.de
Internet: www.MicroCirtec.de

Invoice address:
VAT-ID-No.: none |
Gratefully we confirm the receipt of your inquiry and are pleased to offer you the following products subject to further evaluation. All business transactions are based on our General Terms and Conditions of Sale and Supply (being documented on: [which you can view on internet](#)) which also apply to orders in the future.

Delivery address:
DE -

In accordance with our technical specifications:(2s-ffk-2C-1ep)-ML [-?]
Product Name: Leiterplatte | Item-Number: abc123

Length of PCB mm:	100 mm	Width of PCB:	100 mm
Length of Panelized Board:	- N/A - mm	Width of Panelized Board:	- N/A - mm
Test-Points on Top Layer:	100	Test-Points on Bottom Layer:	- N/A -
Type of the Base Material:	FR 4	Surface (RoHS -Compliant):	HASL
Final Thickness of PCB mm:	1,55 mm	Contour:	Routed
Copper Thickness Outer Layer:	35 µ	Standard Lead Time:	10
Copper Thickness Inner Layer:	- N/A -	Surcharge Standard Lead Time	0
Min Milling Tool:	2,00 mm	Surcharge Silk Screen	1
Smallest pad:	0,80 mm	Surcharge Material / Scoring:	- N/A -
Min finished Hole Size:	0,30 mm	Total Lead Time:	11
Min. Track / Gap:	150µ		
Data-Base Format:	GERB274X		

1000 pcs Double sided pth printed circuit boards [-?]
with double sided programm for flying-probe E-tester; with solder mask on both sides;
with green colour, with Silk Screen on one side, with yellow colour, without UL-listing;
plus surcharge for Normal-Shipment. Delivery time (dt) 1-2 working days (wd);
with -1- MAA-Units covers 20 MAAs (Milling Angle Alterations / Milling Dipping Points);

	pcs	unit price	first order	re-order
Printed Circuit Boards	1000	€ 1,56	1.563,20	1.563,20
Costs for flying probe E-Test;		€	21,60	
Setup costs		€	104,00	
Value - I		€	1.688,80	1.563,20
Total unit price [-?]	1000	€	1,69	1,56

Remarks:
- None -

[-?] Shopping basket [-?] Calculation [-?] Order [-?] Print view

Address and contact data

Summary of calculation in text form

Prices for electrical test

Setup costs

Total amount

Unit price for 1st order

Unit price following orders

Back to calculation form

Put into the shopping basket

Order immediately

Printing of quotation

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3.1 ORDERING

SENDING DATA

In order to carry out your order correctly, the accompanying files must be transferred to our server.

If you have uploaded your files, please conform it with „Continue“ to finish the ordering procedure.

Items	uploading on:	Clients:	Cur. No.	Item Name	Item No. (Prefix)	Filename
<input checked="" type="checkbox"/>	2008-02-28	154199-MIC	43550	Leiterplatte	abc123_	readme.txt
<input checked="" type="checkbox"/>	2008-02-28	154199-MIC	43550	Leiterplatte	abc123_	testdatei.zip

<- Add new production data.

<input type="checkbox"/>	Transfer Data	154199-MIC	43550	Leiterplatte	abc123_	
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Delete Print Overview Continue

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3.2 ORDERING

SHOPPING BASKET

Press the button for instant ordering or transfer our quotes into the shopping basket. From here you can overview and manage the status of running orders or add missing files.

Please remember to transfer your files of the open orders to our server. The necessary steps for it will be described on the previous page.

Call up calculation Call up result Ordering Send your data later Status of order Other order information

Shopping Basket (Status 0+11+1+2) for: (eMail-Address) gaby.gross@microcirtec.de — (Client Number) 154199 MIC

Items	Calculate / Show Quote / Order / Data Transfer	STAT	Pay. Type	Date Status-2	Date Status-6	Repeat Order	Cur. No.	Item-ID-No.	Item No.	Item Name	Your Item No.	Number of ML	Variable Cost a Piece	Surcharge	One-time costs	WD
<input checked="" type="checkbox"/>	Calculate / Show Quote / Order / Data Transfer		0				43553	0000000		Leiterplatte	abc123_	1000	1,56	0 %	125,60	10
<input type="checkbox"/>	Calculate / Show Quote / Order / Data Transfer		0				43552	0000000		Leiterplatte	abc123_	1000	1,56	0 %	125,60	10

All Items Show

20 Lines per Screen Page 1 Lines Total 2

Delete Cancel Print Overview Details Delivery address

Delete marked calculation Cancelling oder Printing Shows details of the order in form of a receipt