

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 ...

Online Direct Selling

of PCBs



www.microcirtec.com

1. CHOOSE YOUR CALCULATION AREA

The screenshot shows the Microcirtec website interface. At the top, there's a navigation bar with links for German, Contact, Jobs, Terms of Trade, Technical Terms, Imprint, Sitemap, and FAQ. The main header features the Microcirtec logo and the title 'Printed Circuit Boards' with a sub-header '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 the 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. The 'Medium Jet Line' description states it's the preferred marketplace for quotes and orders, suitable for standard PCBs. The 'Basic Jet Line' is described as suitable for testing prototypes. The 'Premium Jet Line' is for high-end technology. Below the service descriptions, there's a 'Price inquire:' section with contact information: 'tecline@microcirtec.de' and '+49-21 51-825-1'. A 'Your advantages at a glance' section lists 10 benefits, such as 'Direct-Online saves up to 20%*', 'Free registration', and 'Standard 5 w-days turnaround without surcharge'. At the bottom, there are logos for 'MOODY', 'ZEN', and '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.

Online Direct Selling

of PCBs



www.microcirtec.com

2.1 CALCULATING

ENTER YOUR DATA

*** These fields must be filled out**

Designation of the board:

*** Number of Units of each PCBs: [-?]**

*** Length of PCB in mm:**

*** Width of PCBs in mm:**

*** Delivery in Panelized Boards: [-?]**

*** E-Test optional: [-?]**

*** Silk Screen:**

*** Methods of Shipment: [?]**

Delivery address: [?]

Invoice address

Remarks: (Available number of characters:) 255

For further Infos? Please, Call us: ++49 (0) 2151 825-204 / -203 /

Number of Layers:

*** Item-Number: [-?]**

*** File Format [-?]**

Protective Coating: HASL (leadfree)

Routing / Scoring: Routed to Size

Type of the Base Material: FR 4

Final Copper Thickness of Outer Layers: 35 μ

Final PCB Thickness in mm: 1,55

Specifications and Listings: WITHOUT - UL - Listing

Milling and Routing? MAAs: [-?] 20 - MAAs for normal Milling and Routing

Design Rule Check: [-?] WITHOUT - Design Rule Check

Calculation Reset Order Shopping basket

Annotations:

- 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.

Online Direct Selling

of PCBs



www.microcirtec.com

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 Brügggen
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 |

Delivery address:
DE -

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.

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

Online Direct Selling

of PCBs



www.microcirtec.com

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_	
--------------------------	---------------	------------	-------	--------------	---------	--

Buttons: Delete, Print Overview, Continue

Online Direct Selling

of PCBs



www.microcirtec.com

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