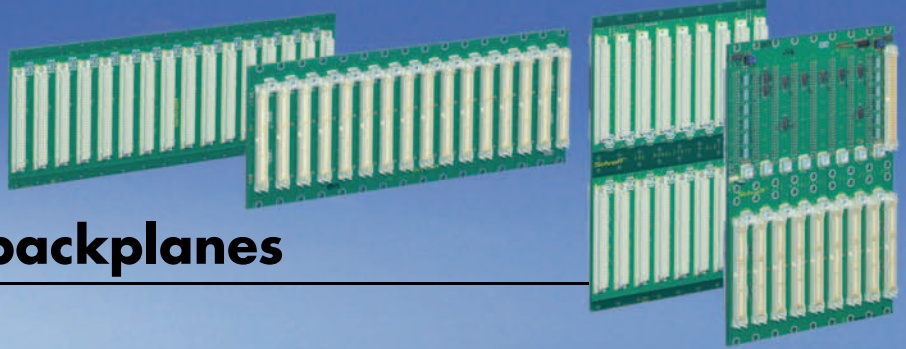


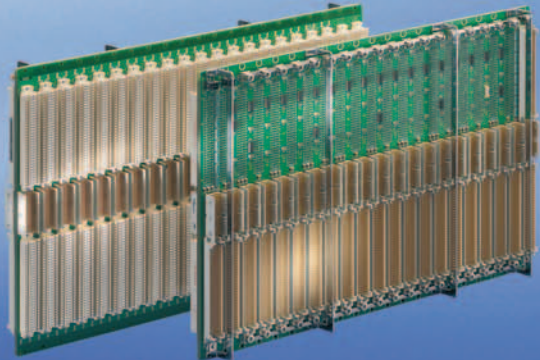
# Backplanes

- Overview ..... 0
- Cabinets ..... 1
- Wall mounted cases ..... 2
- Accessories for cabinets and wall mounted cases .... 3
- Climate control .... 4
- Desk-top cases .... 5
- Subracks/ 19" chassis ..... 6
- Front panels, plug-in units ..... 7
- Systems ..... 8
- Power supply units ..... 9
- Backplanes ..... 10**
- Connectors, front panel component system ..... 11
- Appendix ..... 12

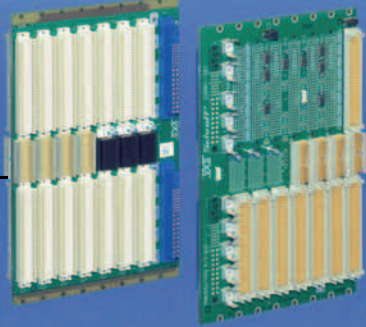
## VME backplanes



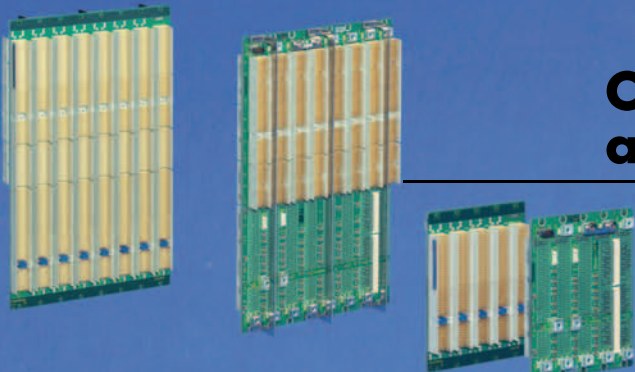
## VME64x backplanes



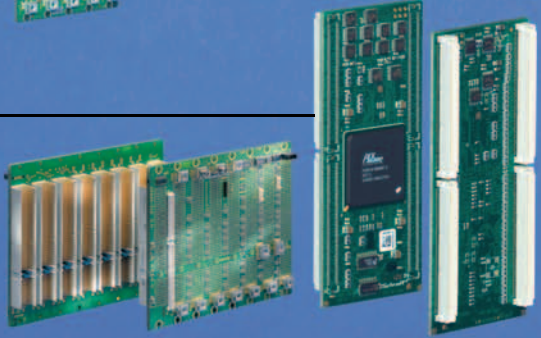
## VXS backplanes



## CPCI backplanes and bridges



## PXI backplanes



10506003 10506002 10502001 10506004 12406002 12406001 12406004 12402004 36106009

# Backplanes

Overview ..... 10.0

## Backplanes

### VMEbus

Monolithic J1/J2 . . . 10.2  
 J1 (3 U) . . . . . 10.3  
 J2 (3 U) . . . . . 10.4

### VME64 extension

Monolithic  
 VME64x . . . . . 10.5  
 VXS backplanes . . 10.5

### CompactPCI

3 U, 32-/ 64-bit . . . 10.6  
 I/O backplanes . . . 10.6  
 6,7 U, 64-bit . . . 10.7  
 Bridge . . . . . 10.9  
 Secondary,  
 32-/64-bit . . . . . 10.9

### PXI

Backplanes . . . . 10.10  
 Bridge . . . . . 10.10  
 cPSB, H.110  
 backplanes . . . . 10.11  
 CompactPCI  
 express  
 backplanes . . . . 10.11

### ATCA

AdvancedTCA  
 backplanes . . . . 10.12  
 MicroTCA  
 backplanes . . . . 10.12

### Power backplanes

with P 47  
 connector . . . . . 10.13  
 Power  
 piggyback . . . . . 10.13

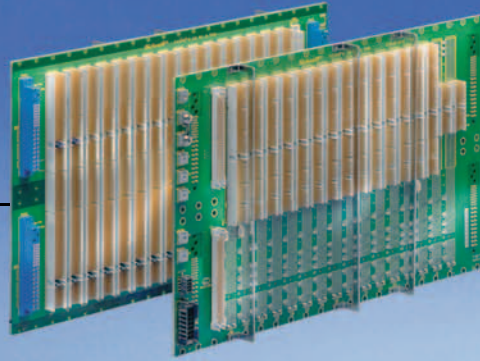
### Universal backplanes

with/ without through-  
 connected signal  
 lines . . . . . 10.14

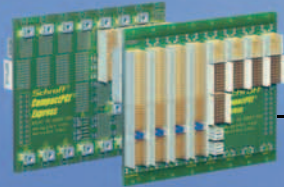
### Test adapters

Type  
 B - F, H, M . . . . 10.16  
 for VMEbus . . . . 10.21  
 6 / 9 U  
 test adapters . . . 10.22  
 Guide rails . . . . 10.23  
 Type / printed  
 board versions . . 10.24  
 Dimensions test  
 adapters . . . . . 10.25

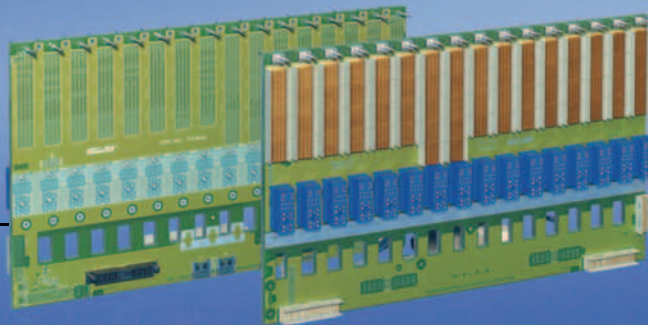
## cPSB and H.110 backplanes



## CPCI express backplanes



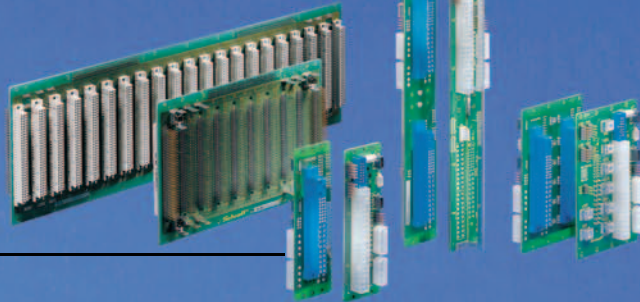
## AdvancedTCA backplanes



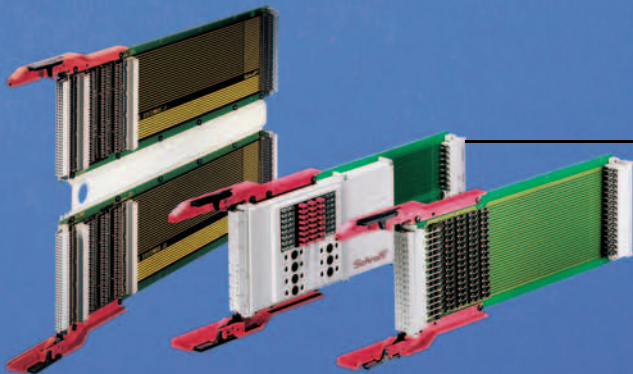
## MicroTCA backplanes



## Power and Universal backplanes



## Test adapter

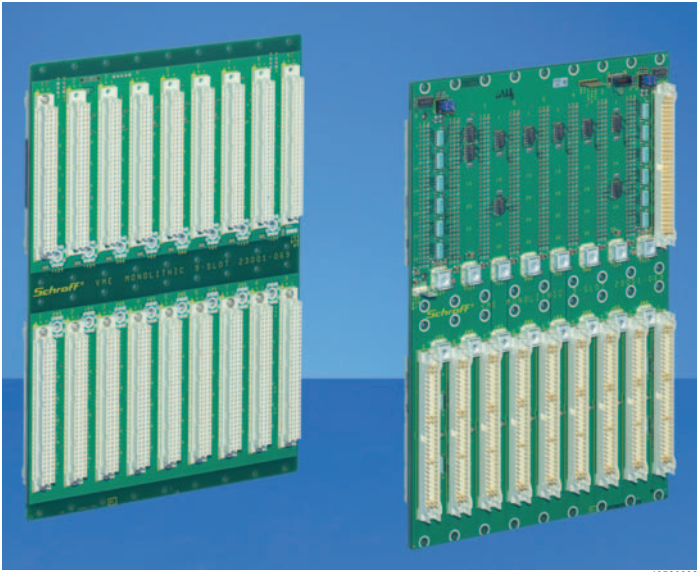


12402005 12606003 12406003 12606001 12096003 11902001 11192004 11100013 11100010 36106010



# Backplanes – VMEbus

## Monolithic J1/J2 backplanes (6 U)



10506003

- In accordance with VITA 1-1994 (VME standard)
- Termination can be switched between active/passive
- Electronic automatic Daisy Chain (EDC), ADC and MDC available on request
- Shielded signal layers
- Outstanding high-frequency noise suppression and very high MTBF values due to ceramic capacitors



### Delivery comprises

Item	Qty	Description
1	1	Backplane, EDC, fully fitted
2	10	Screw M4 x 6, with lock-washer

### Order Information

Number of slots	Width mm	Height U	Order no.
3	59.5	6	<b>23001-063</b>
4	79.8	6	<b>23001-064</b>
5	100.2	6	<b>23001-065</b>
6	120.5	6	<b>23001-066</b>
7	140.8	6	<b>23001-067</b>
8	161.1	6	<b>23001-068</b>
9	181.4	6	<b>23001-069</b>
12	242.4	6	<b>23001-072</b>
15	303.4	6	<b>23001-075</b>
16	321.3	6	<b>23001-076</b>
18	364.3	6	<b>23001-078</b>
20	405.0	6	<b>23001-080</b>
21	425.3	6	<b>23001-081</b>

EDC = Electronic automatic Daisy Chain

ADC = Automatic mechanical Daisy Chain

MDC = Manual Daisy Chain

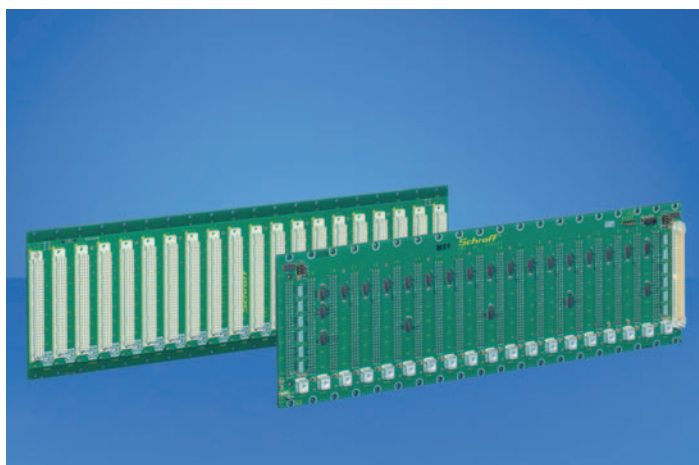


For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.



# Backplanes – VMEbus

## J1 backplanes (3 U)



10506001

- In accordance with VITA 1-1994 (VME standard)
- Termination can be switched between active/passive
- Electronic automatic Daisy Chain (EDC), ADC and MDC available on request
- Shielded signal layers
- Outstanding high-frequency noise suppression and very high MTBF values due to ceramic capacitors



### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted
2	10	Screw M4 x 6, with lock-washer

### Order Information

Number of slots	Width mm	Height U	Order no.
2	40.4	3	<b>23001-002</b>
3	59.7	3	<b>23001-003</b>
4	79.8	3	<b>23001-004</b>
5	100.2	3	<b>23001-005</b>
6	120.5	3	<b>23001-006</b>
7	140.8	3	<b>23001-007</b>
8	161.1	3	<b>23001-008</b>
9	181.4	3	<b>23001-009</b>
10	199.2	3	<b>23001-010</b>
11	219.5	3	<b>23001-011</b>
12	242.4	3	<b>23001-012</b>
13	260.2	3	<b>23001-013</b>
15	303.4	3	<b>23001-015</b>
17	341.4	3	<b>23001-017</b>
18	364.3	3	<b>23001-018</b>
20	405.0	3	<b>23001-020</b>
21	425.3	3	<b>23001-021</b>

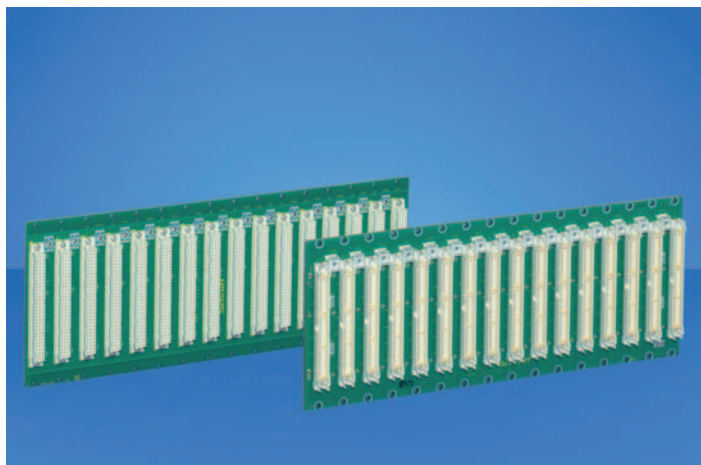
EDC = Electronic automatic Daisy Chain  
 ADC = Automatic mechanical Daisy Chain  
 MDC = Manual Daisy Chain



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 oneClick code = Order no.

# Backplanes – VMEbus

## J2 backplanes (3 U)



10506002

- In accordance with VITA 1-1994 (VME standard)
- Termination passive
- Outstanding high-frequency noise suppression and very high MTBF values due to ceramic capacitors



### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted
2	10	Screw M4 x 6, with lock-washer

### Order Information

Number of slots	Width mm	Height U	Order no.
2	40.4	3	<b>23001-032</b>
3	59.7	3	<b>23001-033</b>
4	79.8	3	<b>23001-034</b>
5	100.2	3	<b>23001-035</b>
6	120.5	3	<b>23001-036</b>
7	140.8	3	<b>23001-037</b>
10	199.2	3	<b>23001-040</b>
16	321.3	3	<b>23001-046</b>
20	405.0	3	<b>23001-050</b>
21	425.3	3	<b>23001-051</b>

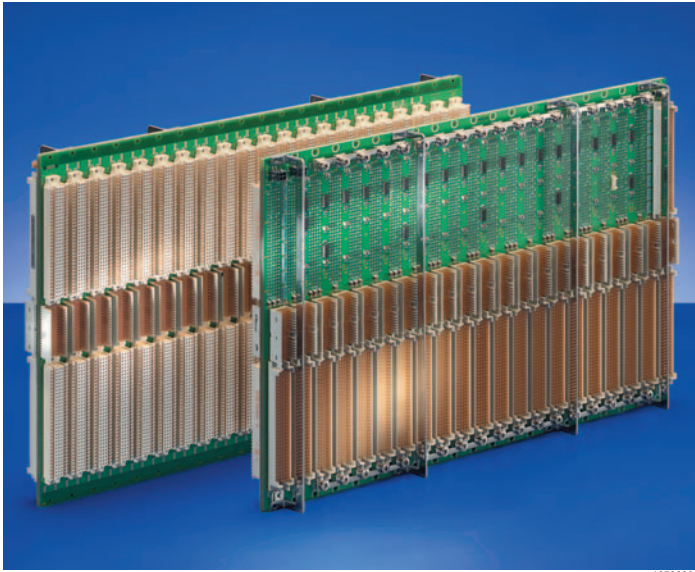


For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.



# Backplanes – VME64 extension

## Monolithic VME64x backplanes (6 U)



10502001



- In accordance with:
  - VITA 1.1-1997 VME64 extensions Standard
  - VITA 38 System Management for VME
- Termination, passive, Electronic automatic daisy chain (EDC)
- Outstanding high-frequency noise suppression and very high MTBF values due to ceramic capacitors
- 10-layer structure; thickness 4.7 mm; 7 U version with reinforced current feed, optional pluggable power supply

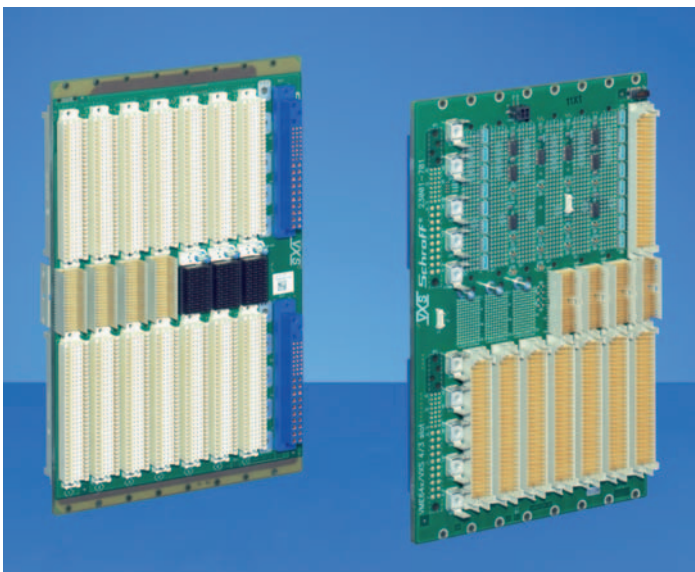
### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted
2	10	Screw M4 x 6, with lock-washer

### Order Information

Number of slots	Width mm	Height U	Without P0	With P0
			Order no.	Order no.
2	39.1	6	<b>23001-502</b>	<b>23001-532</b>
3	59.5	6	<b>23001-503</b>	<b>23001-533</b>
4	79.8	6	<b>23001-504</b>	<b>23001-534</b>
5	100.2	6	<b>23001-505</b>	<b>23001-535</b>
7	140.8	6	<b>23001-507</b>	<b>23001-537</b>
8	161.1	6	<b>23001-508</b>	<b>23001-538</b>
10	201.8	6	<b>23001-510</b>	<b>23001-540</b>
11	222.0	6	<b>23001-511</b>	<b>23001-541</b>
12	242.4	6	<b>23001-512</b>	<b>23001-542</b>
15	303.4	6	<b>23001-515</b>	<b>23001-545</b>
16	323.7	6	<b>23001-516</b>	<b>23001-546</b>
20	405.0	6	<b>23001-520</b>	<b>23001-550</b>
21	425.3	6	<b>23001-521</b>	<b>23001-551</b>
21	425.3	7	<b>23001-621</b>	<b>23001-651</b>

## VXS backplanes



10506004

- In accordance with VITA -41.0, -41.1, -41.10, -41.11

### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted
2	10	Screw M4 x 6, with lock-washer

### Order Information

Number of slots	Width mm	Height U	Description	Order no.
7	171.7	6	4 Slot VME64x, 3 x VXS payload slots, connected as ring, 2 x 47 slot position (above each other)	<b>23001-701</b>
20	405.4	6	18 x payload slots and 2 switch slots in the middle	<b>23001-720</b>

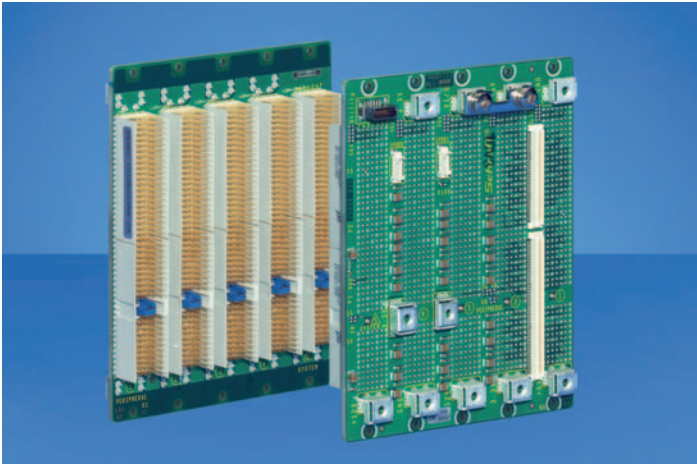
### Note

- Other backplanes in accordance with VITA -31, -41 and -46 in preparation



## Backplanes – CompactPCI bus

### CompactPCI backplanes 3 U, 32-bit and 64-bit



12406001

- In accordance with:
  - PICMG 2.0 R.3.0 CPCI Core specification
  - PICMG 2.1 R 2.0 Hot Swap specification
  - PICMG 2.9 R 1.0 System Management specification
- V/I/O with screwing bridge adjustable to +5 V (default) or +3.3 V
- Outstanding high frequency noise suppression and very high MTBF values due to ceramic capacitors
- 1 slot backplane for power supply
- 32-bit: rear I/O on P2

#### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted
2	10	Screw M4 x 6, with lock-washer, from 2 slots, for assembly of power connecting cable on the powerbugs

#### Order Information

Number of slots	Width mm	Height U	32-bit slot	64-bit slot	64-bit slot
			on the right Order no.	on the left Order no.	on the right Order no.
1	19.3	3	<b>23006-811</b>	<b>23006-811</b>	<b>23006-811</b>
2	39.6	3	<b>23006-812</b>	-	-
3	60.1	3	<b>23006-813</b>	<b>23006-733</b>	<b>23006-833</b>
4	80.3	3	<b>23006-814</b>	<b>23006-734</b>	<b>23006-834</b>
5	100.6	3	<b>23006-815</b>	-	<b>23006-835</b>
6	121.0	3	<b>23006-816</b>	<b>23006-736</b>	<b>23006-836</b>
7	141.2	3	<b>23006-817</b>	-	<b>23006-837</b>
8	161.6	3	<b>23006-818</b>	<b>23006-738</b>	<b>23006-838</b>

#### Note

- Bridging capability 4 ... 7 Slot, system slot on the right
- Secondary backplanes, see CompactPCI backplanes, secondary, page 10.9

### CompactPCI I/O backplanes



12403001

- In accordance with PICMG 2.0 r3.0 CPCI core specification
- For 3 U backplanes if 6 U boards are used
- Connects J4 and J5 from front to rear I/O board

#### Delivery comprises

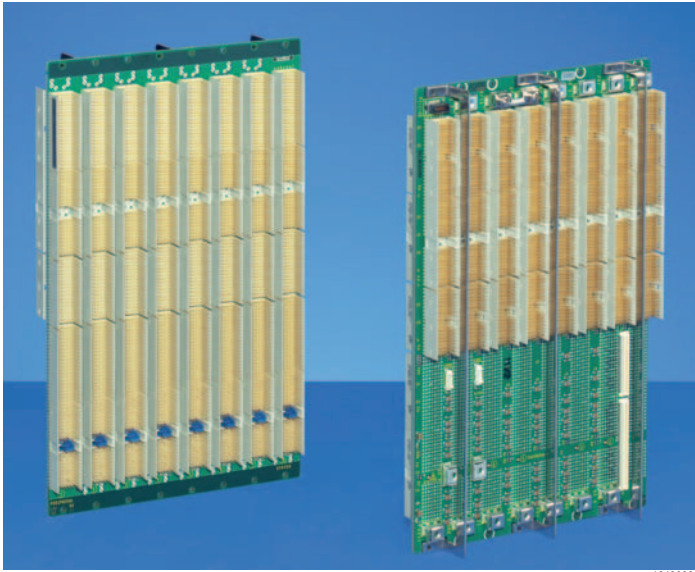
Item	Qty	Description
1	1	CompactPCI, I/O backplane

#### Order Information

Number of slots	Width mm	Height U	Order no.
1	19	3	<b>23090-719</b>

# Backplanes – CompactPCI bus

## CompactPCI backplane 6, 7 U, 64-bit



12406002

- In accordance with:
  - PICMG 2.0 R 3.0 CPCI Core specification
  - PICMG 2.1 R 2.0 Hot Swap specification
  - PICMG 2.9 R 1.0 System Management specification
- V/I/O with bridge, adjustable to +5 V (default) or +3.3 V
- Outstanding high frequency noise suppression and very high MTBF values due to ceramic capacitors



### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted
2	10	Screw M4 x 6, with lock-washer (except 23006-792)

### Order Information

Number of slots	Width mm	Height U	64-bit slot on the left	64-bit slot on the right
			Order no.	Order no.
2	39.6	7	<b>23006-792</b>	-
2	39.6	6	-	<b>23006-862</b>
3	60.1	6	-	<b>23006-863</b>
4	80.3	6	-	<b>23006-864</b>
5	100.6	6	<b>23006-765</b>	<b>23006-865</b>
6	121.0	6	-	<b>23006-866</b>
7	141.2	6	-	<b>23006-867</b>
8	161.6	6	<b>23006-768</b>	<b>23006-868</b>

### Note

- Bridging capability 4 ... 7 Slot, system slot on the right
- Secondary backplanes, see CompactPCI backplanes, secondary, page 10.9

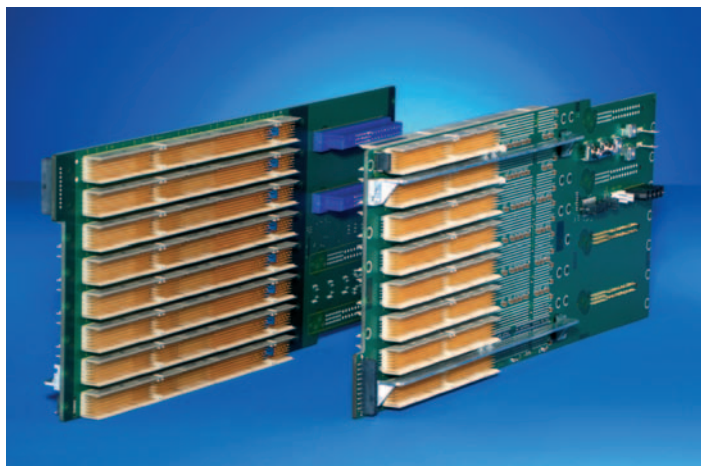


For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.



## Backplanes – CompactPCI

### CompactPCI backplane 6 U, 64-bit, with two connector positions for 3 U power supplies



12405002

- In accordance with:
  - PICMG 2.0 R 3.0 CPCI Core specification
  - PICMG 2.1 R 2.0 Hot Swap specification
  - PICMG 2.9 R 1.0 System Management specification
- V/I/O with screwing bridge adjustable to +5 V (default) or +3.3 V
- Outstanding high frequency noise suppression and very high MTBF values due to ceramic capacitors
- 2 connectors for 2 x 3 U CompactPCI power supplies (8 slot),  
1 connector for 1 x 3 U CompactPCI power supply (6 slot)



#### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted
2	1	Connector for fan plug-in unit
3	1	Power supply connector for drives
4	1	Power connections for all voltages
2	10	Screw M4 x 6, with lock-washer

Status signal: IPMbus, FAL#, DEG#, Utility, INH#, temperature sensors

#### Order Information

Number of slots	Width mm	Height U	Description	Order no.
6	121.0	9	64-bit	<b>23006-796</b>
6	121.0	9	H.110	<b>23006-612</b>
8	161.6	9	64-bit	<b>23006-797</b>
8	161.6	9	H.110, cPSB	<b>23006-611</b>

#### Note

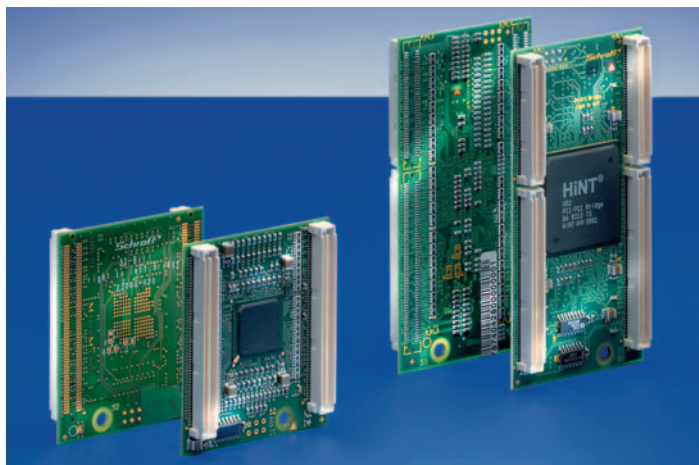
- Backplane for 3 up to 4 power supplies available on request
- CompactPCI power supplies, see chapter Power supply units



For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

## Backplanes – CompactPCI bus

### CompactPCI bridge



12406004

- In accordance with:
  - PICMG 2.6 CPCI Bridging specification
  - PCI 2.1 PCI Local Bus specification, Rev. 2.1
- Very compact version, no slot loss
- Assembly on the rear side
- No interference with rear I/O boards



### Delivery comprises

Item	Qty	Description
1	1	Bridge, system slot on the right

### Order Information

Description	Order no.
32-bit	<b>23006-920</b>
64-bit	<b>23006-922</b>

### CompactPCI backplanes, secondary, 32-bit / 64-bit



12401021

- In accordance with:
  - PICMG 2.0 R 3.0 CPCI Core specification
  - PICMG 2.1 R 2.0 Hot Swap specification
  - PICMG 2.9 R 1.0 System Management specification
- Secondary backplane for assembly in rows
- Outstanding high frequency noise suppression and very high MTBF values due to ceramic capacitors
- VI/O with bridge, adjustable to +5 V (default) or +3.3 V



### Delivery comprises

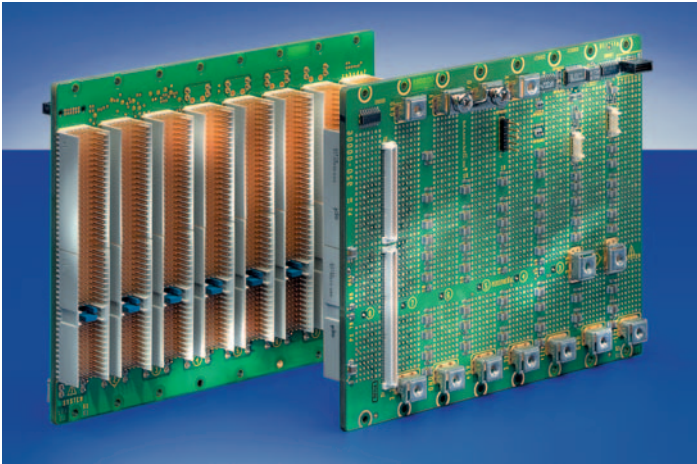
Item	Qty	Description
1	1	Backplane, fully fitted, system slot on the right
2	10	Screws M4 x 6, with lock-washer

### Order Information

Description	Height U	Number of slots	Width mm	Order no.
32-bit	3	4	80	<b>23006-824</b>
32-bit	3	7	141	<b>23006-827</b>
64-bit	3	4	80	<b>23006-854</b>
64-bit	3	7	141	<b>23006-857</b>
64-bit	6	7	141	<b>23006-887</b>

# Backplanes – PXI backplanes

## PXI backplanes



12402004

- In accordance with:
  - PXI specification R 2.0
  - PICMG 2.0 R 3.0 CPCI Core specification
  - PICMG 2.1 R 2.0 Hot Swap specification
  - PICMG 2.8 D 0.7 Pin registration for PXI
  - PICMG 2.9 R 1.0 System Management specification
- Clock switch / clock generation on the backplane
- 64-bit bus width, system slot on the left
- 12-layer structure, little crosstalk digital to analogue section
- Outstanding high frequency noise suppression and very high MTBF values due to ceramic capacitors
- Expansion capability using 5, 7 slot boards

### Delivery comprises

Item	Qty	Description
1	1	PXI backplane, 64-bit, system slot on the left
1	1	Screw M4 x 6, with lock-washer

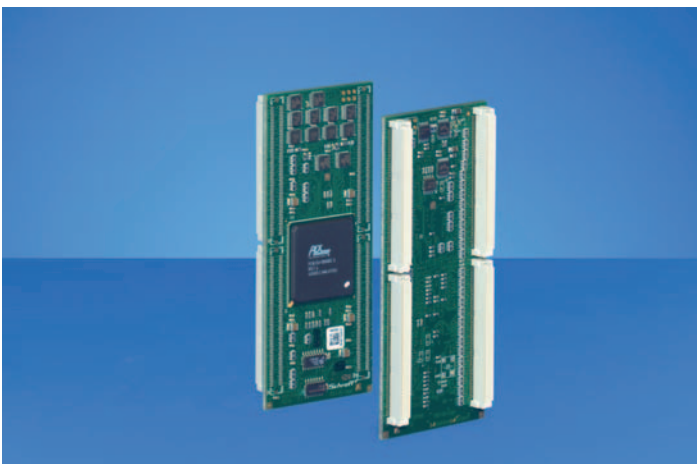
### Order Information

Number of slots	Width mm	Height U	Description	Order no.
5	100.6	3	primary	<b>23006-575</b>
7	141	3	primary	<b>23006-577</b>
8	162	3	primary	<b>23006-578</b>
7	141	3	secondary	<b>23006-587</b>
7	141	3	tertiary	<b>23006-597</b>



For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

## PXI bridge



12406004

### Delivery comprises

Item	Qty	Description
1	1	PXI bridge, 64-bit

### Order Information

Description	Order no.
PXI bridge	<b>23006-924</b>

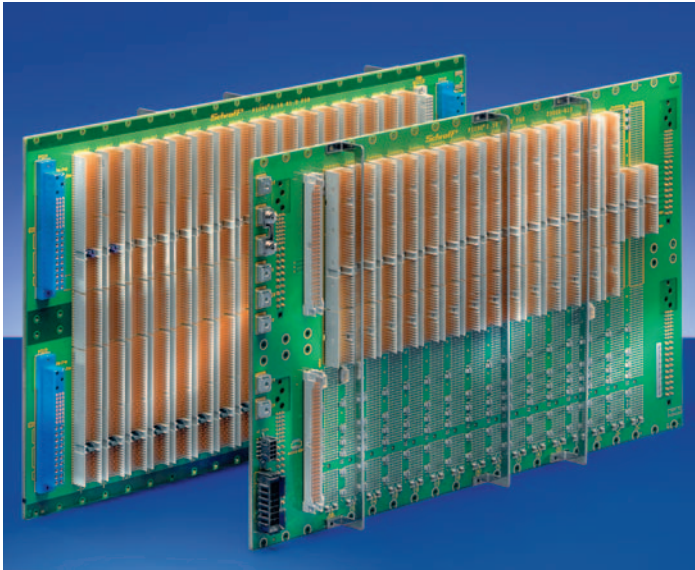
- Configuration software on the internet



For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

# Backplanes – CompactPCI bus

## cPSB and H.110 backplanes



12402005

- In accordance with:
  - PICMG 2.0 R 3.0 CPCI Core specification
  - PICMG 2.1 R 2.0 Hot Swap specification
  - PICMG 2.9 R 1.0 System Management specification
  - PICMG 2.16 R1.0 CPCI Packet Switching Backplane specification
- Outstanding high-frequency noise suppression and very high MTBF values due to ceramic capacitors
- VI/O with bridge adjustable to +5 V (default) or +3.3 V



### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted

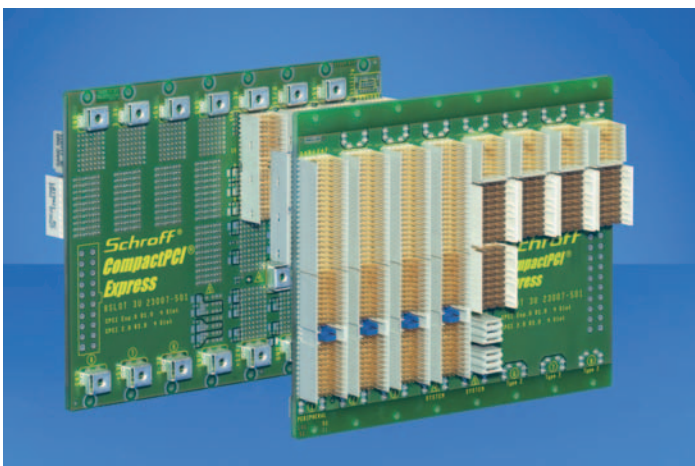
### Order Information

Number of slots	Width mm	Height U	Description	Order no.
8	161.6	6	H.110	<b>23006-601</b>
16	426.0	6	cPSB	<b>23006-610</b>



For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

## CompactPCI express backplane



12406003

- In accordance with:
  - PICMG 2.0 R 3.0 CPCI Core specification
  - PICMG EXP.0 Rev. 1.0

### Order Information

Number of slots	Width mm	Height U	Description	Order no.
8	162.0	3	4 legacy CPCI slots, system slot on the right, 1 CPCIe system slot, 3 CPCIe peripheral slots type 2	<b>23007-501</b>

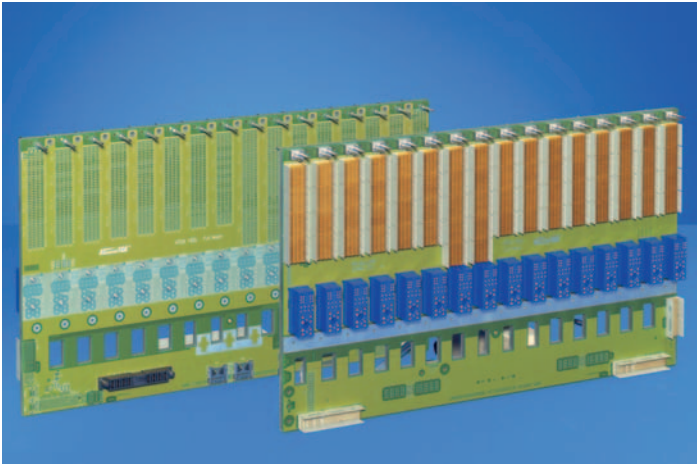


For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.



# Backplanes – AdvancedTCA

## AdvancedTCA backplane



Full mesh

12606003

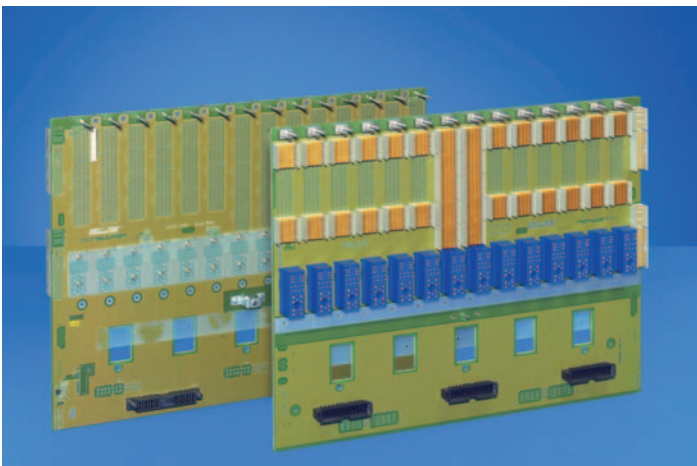
- In accordance with PICMG 3.0 ATCA Core specification (ATCA = Advanced Telecom Computing Architecture)
- Full mesh and dual star topologies
- 4 ports per link
- Slot positions for 2 redundant Shelf Management Controllers
- Plug for fan tray integrated backplane

### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted

### Order Information

Number of slots	Description	IPMI	Order no.
5	Full mesh	radial	<b>23005-329</b>
5	Full mesh	bussed	<b>23005-331</b>
14	Dual star	bussed	<b>23005-315</b>
14	Full mesh	bussed	<b>23005-327</b>
14	Dual star	radial	<b>23005-320</b>
14	Full mesh	radial	<b>23005-328</b>
14	Dual star	radial	<b>23005-330</b>
14	Dual star	radial	<b>23005-316</b>
14	Ring / Daisy Chain	–	<b>23005-317</b>
16	Dual star	bussed	<b>23005-325</b>
16	Full mesh	bussed	<b>23005-321</b>
16	Dual star	radial	<b>23005-326</b>
16	Dual star	radial	<b>23005-323</b>
16	Full mesh	radial	<b>23005-322</b>



Dual star

12606002

## MicroTCA backplane



12606001

- In accordance with:
  - PICMG  $\mu$ TCA D0.9
- Special topologies for research applications

### Delivery comprises

Item	Qty	Description
1	1	Backplane, fully fitted

### Order Information

Description	Order no.
10 slots AMC full height, 2 redundant hub (MCH slots), 2 power module slots (PM)	<b>23005-406</b>
8 full height slots, 4 half height slots, 2 hub (MCH slots), 2 power module slots (PM)	<b>23005-407</b>

- Further information on the internet

## Backplanes – Power backplanes

### Power bus backplane with P 47 connector



11902001

- In accordance with:
  - PICMG 2.9 System Management specification
  - PICMG 2.11 Compact PCI Power Interface specification
- Can be switched in parallel, PSU status signal FAL# and DEG# can be read out separately
- Geographic address can be set
- Mains supply via crimp contacts which snap into the connector; no mains/line voltage on the backplane



#### Delivery comprises

Item	Qty	Description
1	1	Backplane with P 47 connector
2	1	Input voltage cable harness, Positronic crimp sleeve – open end, length 500 mm
3	1	Output voltage cable harness, ATX ring tag, length 250 mm
4	3	Faston crimp sleeve for input cable harness



11901002

#### Order Information

Number of slots	Width mm	Height U	Description	Order no.
1	39.6	3	1 connector position P47	<b>23098-105</b>
2	80.3	3	2 connector positions P47 (side-by-side)	<b>23098-115</b>
1	39.6	6	1 onnector position P47 top	<b>23098-116</b>
1	39.6	6	2 connector positions P47 (one above the other)	<b>23098-117</b>

#### Note

- Signal cable set: IPMI cable, remote/sense cable, utility/sense cable available on request
- Power backplanes with M 24 connector available on request

### Power piggyback



12401002

- Is used for connection of pluggable power supplies, e.g. ATX power supplies on CompactPCI backplanes
- Is simply assembled onto the screw connections of the power supply on the rear side of Schroff CompactPCI backplanes

#### Order Information

Description	Qty	Order no.
Power piggyback	1	<b>23098-100</b>

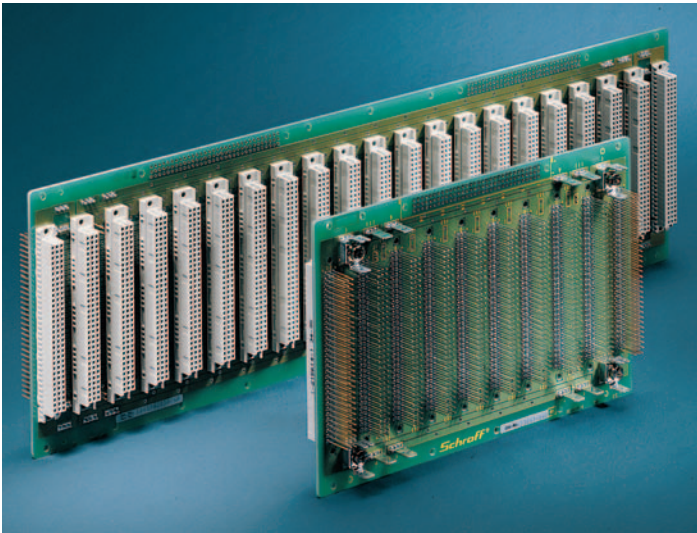


For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.



# Backplanes – Universal

## Backplane with through-connected signal lines, 3 U



12096003

- Power supply at each connector position (row 1 + 32)
- Adaption fields for connections
- Two versions:
  - 60 signal lines through-connected from connector to connector (C64), with C96 connector row "b", can be freely wired (2-layer) wire wrap
  - 90 signal lines through-connected from connector to connector (4-layer)

### Delivery comprises

Item	Qty	Description
1	1	Backplane
2	10	Bridge, grid dimension 5.08 mm
3	3	Jumper
4	1	10-pin male connector

### Order Information

Number of layers	Slot distance	Number of slots	Width	Connector type	Order no.
	HP		HP		
2	4	10	42	C64F	<b>23007-010</b>
2	4	10	42	C96F	<b>23007-040</b>
2	4	21	84	C64F	<b>23007-021</b>
2	4	21	84	C96F	<b>23007-051</b>
2	4	21	84		<b>23007-081</b>
2	3	14	42	C64F	<b>23007-114</b>
2	3	14	42	C96F	<b>23007-144</b>
2	3	28	84	C64F	<b>23007-128</b>
2	3	28	84	C96F	<b>23007-158</b>
2	3	28	84		<b>23007-188</b>
4	4	10	42	C96F	<b>23007-410</b>
4	4	21	84	C96F	<b>23007-421</b>

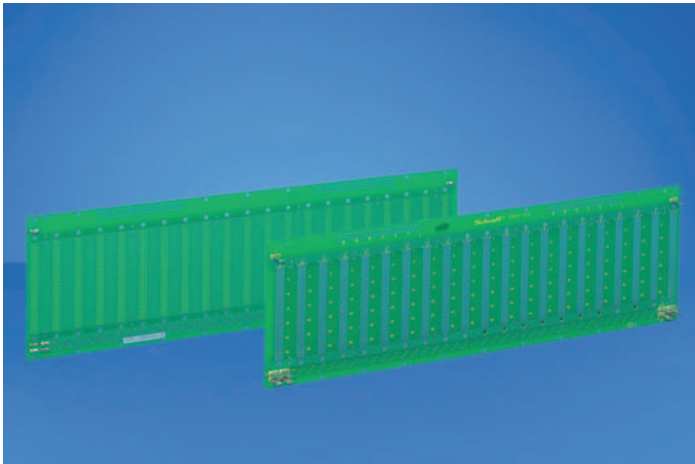
Connector type "-": not fitted, 96 solder points



For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

# Backplanes – Universal

## Backplane without through-connected signal lines



- Individual wiring of connectors possible, as signal lines are not through-connected
- Power supply at each slot (row 1 + 32)
- Adaption fields for connections

### Delivery comprises

Item	Qty	Description
1	1	Backplane (without connector)
2	10	Bridge, grid dimension 5.08 mm
3	3	Jumper
4	1	10-pin male connector

### Order Information

Number of layers	Slot distance HP	Number of slots	Width HP	Order no.
2	4	21	84	<b>23007-222</b>

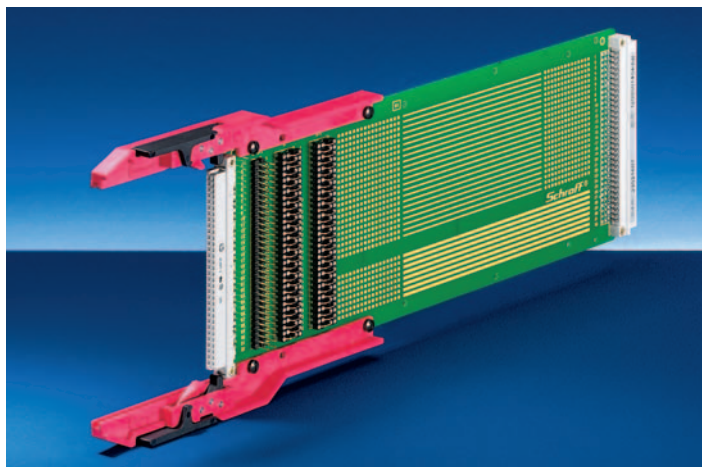


For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

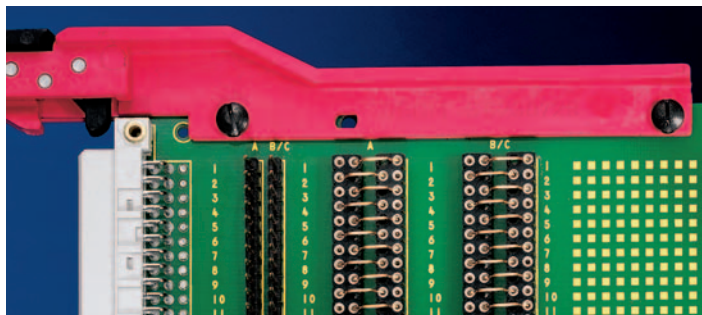


## Test adapters

### Test adapter, type B



11100018



11100019

- For connectors in accordance with DIN 41612
- Measuring field version for current and voltage measurement (V / I): Wire-wrap pins 0.6 mm and test bridges ( $\varnothing = 0.5$  mm)

#### Delivery comprises

Item	Qty	Description
1	1	Test adapter B64, assembled incl. guide rails
2	10	Jumper

#### Order Information

Connector type	Height U	For board depth mm	Type	Measuring field for	Order no.
B64	3	160	1L	V / I	<b>23021-607</b>
B64	3	220	1L	V / I	<b>23021-651</b>

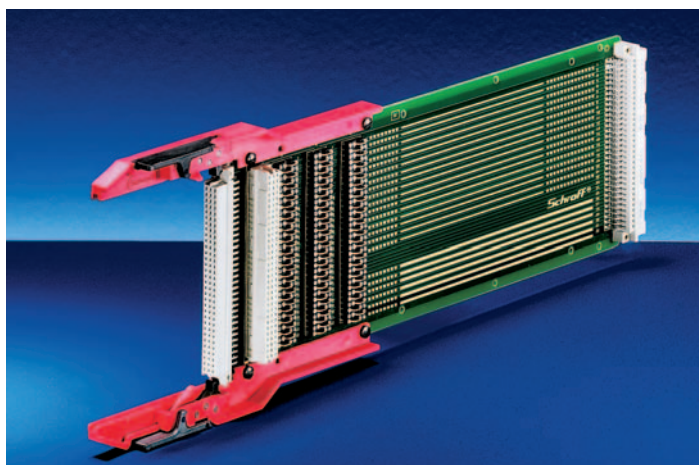
- Detailed dimensions, type, see from page 10.25
- 6 / 9 U test adapter, see page 10.22



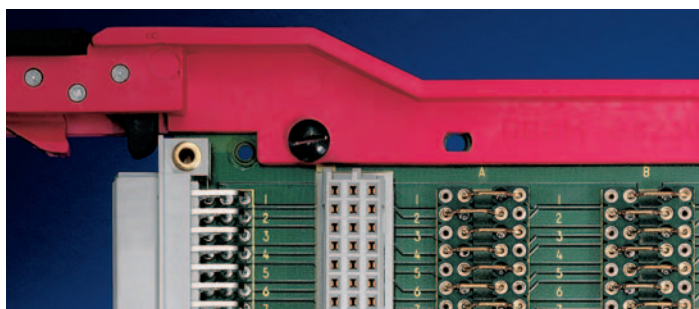
For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

# Test adapters

## Test adapter, type C



11100003



11100004

- For connectors in accordance with DIN 41612
- Measuring field version for
  - Voltage (V): Wire-wrap pins 0.6 mm and test bridges
  - Current/voltage (V / I): Wire-wrap pins 0.6 mm and test bridges ( $\varnothing = 0.5$  mm); C96 has connectors and test bridges
- Signal lines are 1 to 1 through-connected

### Delivery comprises

Item	Qty	Description
1	1	Test adapter C64, C96, assembled incl. guide rails
2	10	Jumper

### Order Information

Connector type	Height U	For board depth mm	Type	Measuring field for	Order no.
C 64	3	160	1L	V / I	<b>23021-608</b>
C 64	3	220	2L	V / I	<b>23021-652</b>
C 64	6	160	1L	V / I	<b>23022-601</b>
C 64	6	220	2L	V / I	<b>23022-651</b>
C 96	3	160	2L	V	<b>23021-603</b>
C 96	3	160	2L	V / I	<b>23021-609</b>
C 96	3	160	4L	V / I	<b>23021-610</b>
C 96	3	220	2L	V / I	<b>23021-653</b>
C 96	3	220	4L	V / I	<b>23021-654</b>
C 96	3	280	2L	V / I	<b>23021-700</b>
C 96	3	280	4L	V / I	<b>23021-701</b>
C 96	3	340	4L	V / I	<b>23021-750</b>
C 96	6	160	2L	V / I	<b>23022-602</b>
C 96	6	160	4L	V / I	<b>23022-603</b>
C 96	6	220	2L	V / I	<b>23022-652</b>
C 96	6	280	2L	V / I	<b>23022-700</b>

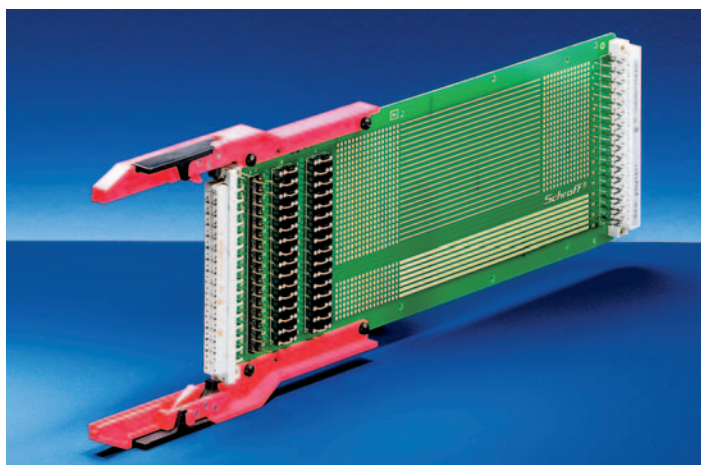
- Detailed dimensions, type, see from page 10.25
- 6 / 9 U test adapter, see page 10.22



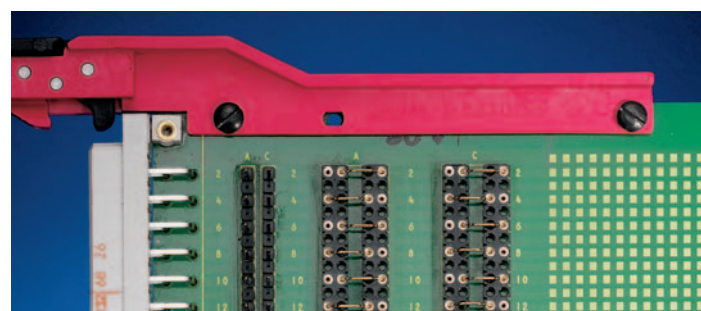
**For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)**  
oneClick code = Order no.

## Test adapters

### Test adapter, type D



11100005



11100006

- For connectors in accordance with DIN 41612
- Measuring field version for
  - Voltage (V): Wire-wrap pins 0.6 mm and test bridges
  - Current/voltage (V/I): Wire-wrap pins 0.6 mm and test bridges ( $\varnothing = 0.5$  mm)

#### Delivery comprises

Item	Qty	Description
1	1	Test adapter D32, assembled incl. guide rails
2	10	Jumper

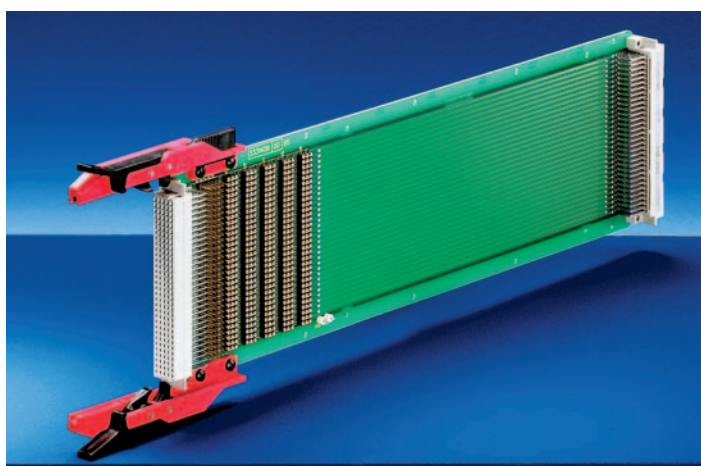
#### Order Information

Connector type	Height U	For board depth mm	Type	Measuring field for	Order no.
D32	3	160	1L	V / I	<b>23021-611</b>
D32	3	160	1L	V	<b>23021-604</b>
D32	3	220	1L	V / I	<b>23021-655</b>

#### Note

- Test adapters type D can not be used in combination with the adapter of other types
- Detailed dimensions, type, see from page 10.25
- 6 / 9 U test adapter, see page 10.22

### Test adapter, type E



11100017

- For connectors in accordance with DIN 41612
- Measuring field version for current and voltage measurement (V / I):
  - E 48: Wire-wrap pins 0.6 mm and test bridges ( $\varnothing = 0.5$  mm)

#### Delivery comprises

Item	Qty	Description
1	1	Test adapter assembled E48, assembled incl. guide rails
2	10	Jumper

#### Order Information

Connector type	Height U	For board depth mm	Type	Measuring field for	Order no.
E48	3	220	2L	V / I	<b>23021-656</b>

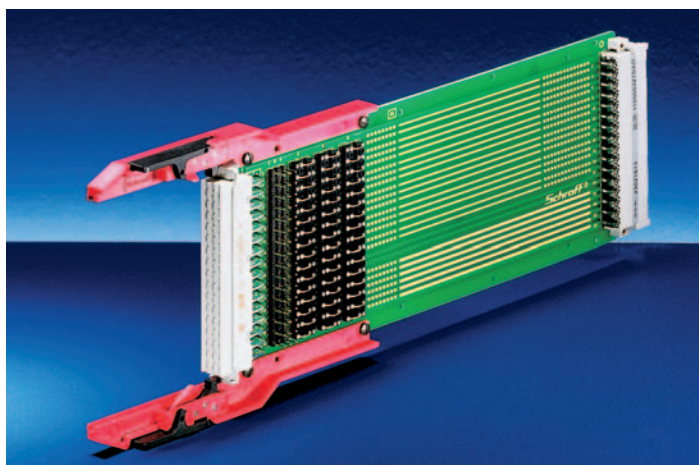
- Detailed dimensions, type, see from page 10.25
- 6 / 9 U test adapter, see page 10.22



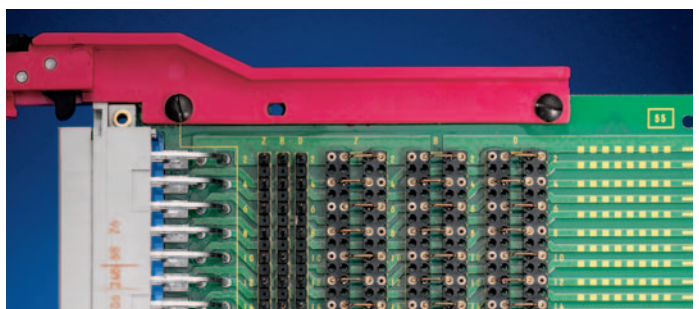
For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

## Test adapters

### Test adapter, type F



11100008



11100009

- For connectors in accordance with DIN 41612
- Measuring field version for
  - Voltage (V): Wire-wrap pins 0.6 mm and test bridges
  - Current/voltage (V / I): Wire-wrap pins 0.6 mm and test bridges ( $\varnothing = 0.5$  mm)

#### Delivery comprises

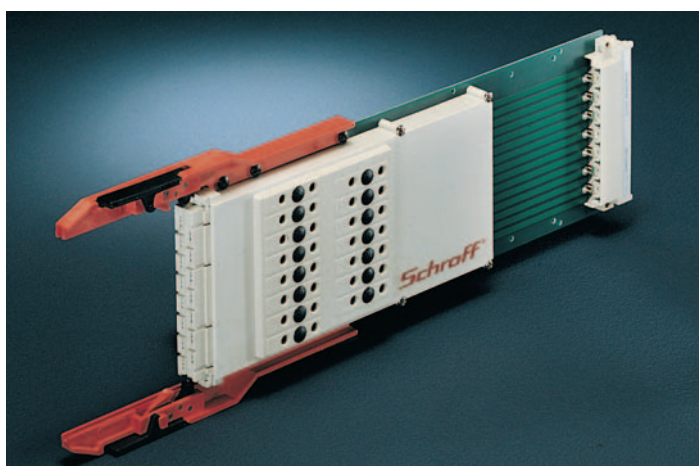
Item	Qty	Description
1	1	Test adapter F48, assembled incl. guide rails
2	10	Jumper

#### Order Information

Connector type	Height U	For board depth mm	Type	Measuring field for	Order no.
F48	3	160	2L	V	<b>23021-605</b>
F48	3	160	2L	V / I	<b>23021-613</b>
F48	6	160	2L	V / I	<b>23022-604</b>
F48	3	220	2L	V / I	<b>23021-657</b>

- Detailed dimensions, type, see from page 10.25
- 6 / 9 U test adapter, see page 10.22

### Test adapter, type H



11193001



11100012

- For connectors in accordance with DIN 41612
- Measuring field version for
  - Voltage (V): test sockets ( $\varnothing = 4$  mm)
  - Current/voltage measurement (V/I): test bridges ( $\varnothing = 4$  mm)

#### Delivery comprises

Item	Qty	Description
1	1	Test adaptor H15, assembled incl. guide rails

#### Order Information

Connector type	Height U	For board depth mm	Type	Measuring field for	Order no.
H15	3	160	1L	V	<b>23021-621</b>
H15	3	160	1L	V / I	<b>23021-615</b>
H15	3	220	1L	V / I	<b>23021-658</b>

- Detailed dimensions, type, see from page 10.25
- 6 / 9 U test adapter, see page 10.22



For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

# Test adapters

## Test adapter, type M



F24 / H7

11100013



11100014

- For connectors in accordance with DIN 41612
- Version with high current contacts
- Measuring field version for current and voltage measurement (V / I):
  - M (F/H): F: measurement lugs, measurement pins with jumper; H: test bridges ( $\varnothing = 4 \text{ mm}$ )

### Delivery comprises

Item	Qty	Description
1	1	Test adapter M, assembled incl. guide rails, measuring field for current and voltage

### Order Information

Connector type	Height U	For board depth mm	Type	Measuring field for	Order no.
M (F24/H7)	3	160	2L	V / I	<b>23021-616</b>
M (F24/H7)	3	220	2L	V / I	<b>23021-660</b>

- Detailed dimensions, type, see from page 10.25



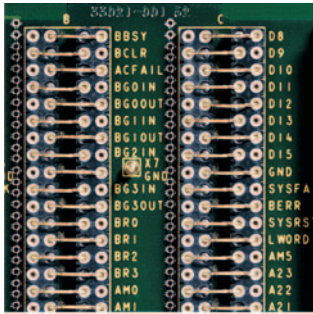
For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
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# Test adapters

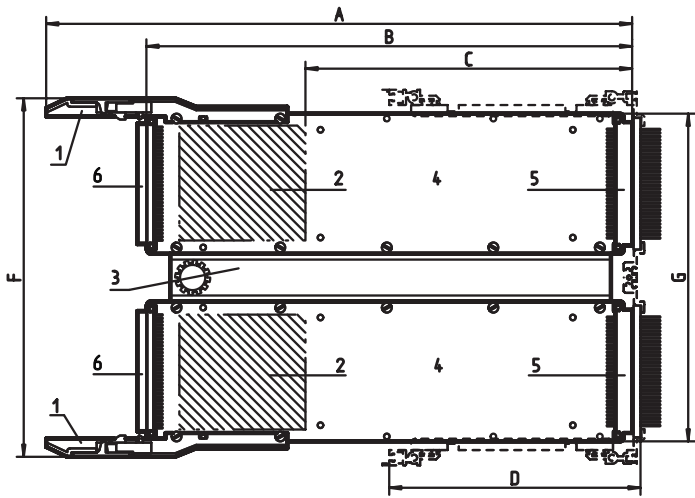
## Test adapter for VMEbus



11192004



11196001



TAA43143

- Measuring field version for current/voltage measurement: Wire-wrap pins 0.6 mm, measurement lugs, test bridges in 2 of 4 sockets ( $\varnothing = 0.5$  mm)
- Additional GND pins and pins, e.g. for measurement peak/oscilloscope
- Slot for second test unit or terminator board
- Voltage supply lines are designed for 2 A

### Delivery comprises

Item	Qty	Description
1	1	Test adapter, VMEbus
2	10	Jumper

### Order Information

Height	For board depth	Connector type		Order no.
		P1	P2	
3	160	C96	–	<b>23021-001</b>
3	160	–	C64	<b>23021-102</b>
3	160	–	C96	<b>23021-100</b>
3	220	C96	–	<b>23021-002</b>
3	220	–	C64	<b>23021-103</b>
3	220	–	C96	<b>23021-101</b>
3	280	C96	–	<b>23021-010</b>
3	280	–	C96	<b>23021-110</b>
6	160	C96	C96	<b>23022-002</b>
6	160	C96	C64	<b>23022-001</b>
6	220	C96	C96	<b>23022-004</b>
6	220	C96	C64	<b>23022-003</b>
6	280	C96	C96	<b>23022-010</b>

P1 = system bus, P2 = I/O bus

- 9 U test adapter, see page 10.22

### Dimensions table VMEbus test adapter

Board height	F (mm)	G (mm)
3 U	123.65	100
6 U	257	233.35

For board depth	A (mm)	B (mm)	C (mm)	D (mm)
160 mm	423	350	237	175.24
220 mm	483	410	297	235.24
280 mm	543	470	417	355.24

A = overall / total length, B = extension

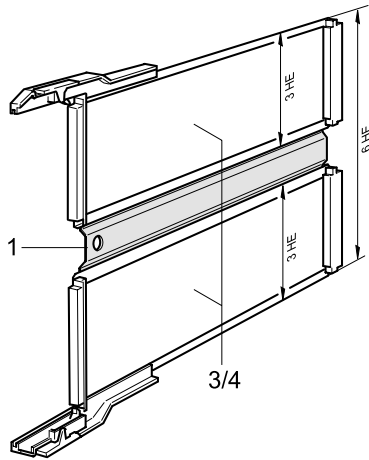


For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.

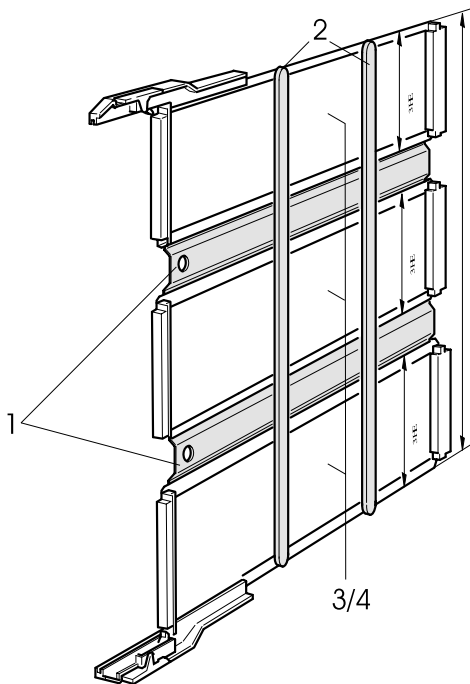
# Test adapters accessories

## 6 / 9 U test adapter

6 U



9 U



A4-2550

BPTE6567

- Applicable for types B, C, D, E, F
  - 6 U test adapter can be made from:
    - 2 × equal length 3 U test adapters (3/4)
    - 1 × intermediate adapter 6 U (1)
    - or
    - 1 × 3 U test adapter (3/4)
    - 1 × empty board (item 2 without connector)
    - 1 × intermediate adapter 6 U (1)
  - 9 U test adapter can be made from:
    - 3 × equal length 3 U test adapters (3/4)
    - 1 × intermediate adapter 9 U (1)
    - or
    - 2 × 3 U test adapters (3/4)
    - 1 × empty board (item 2 without connector)
    - 1 × intermediate adapter 9 U (1)
    - or other combinations
- test adapter item 4, type x  
empty board: item 3

### Delivery comprises (kit)

Item	Qty		Description
	6U	9 U	
1	1	2	Intermediate adapter, St, 1.5 mm, grey
2	–	2	Board stiffener

### Order Information

Description	For board depth	For test adapter	Order no.
	mm	depth (B) mm	
6 U	160	290	<b>20800-224</b>
6 U	220	350	<b>20800-168</b>
6 U	280	410	<b>20800-278</b>
6 U	340	470	<b>20800-279</b>
9 U	220	350	<b>23040-001</b>
9 U	340	470	<b>23040-003</b>
Bare board 3 U, 160 mm deep without connector, 1 piece			<b>23040-006</b>
Bare board 3 U, 220 mm deep without connector, 1 piece			<b>23040-007</b>

- Depth of test adapter (dimension B) at VMEbus test adapters, see page 10.21
- Depth of test adapters (dimension B) at type B, C, D, E, F, see page 10.25



For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.



# Test adapters accessories

## Guide rails



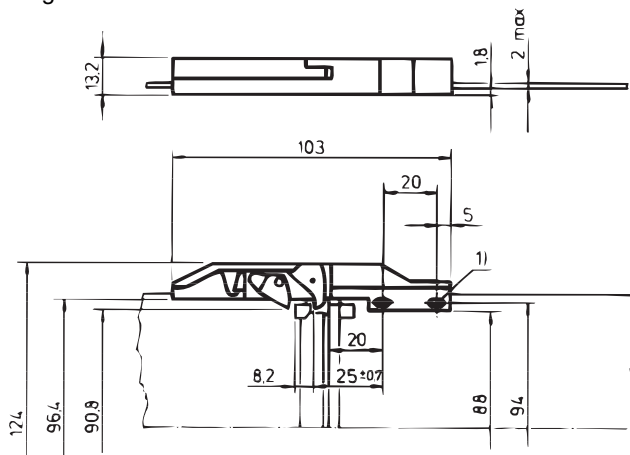
■ For assembly and locking of modules that have to be tested (for replacement purposes only, guide rails are included in the delivery comprises of all test adapters)

- Version
  - Short guide rail with/without locking lever
  - Long guide rail with/without locking lever

### Order Information

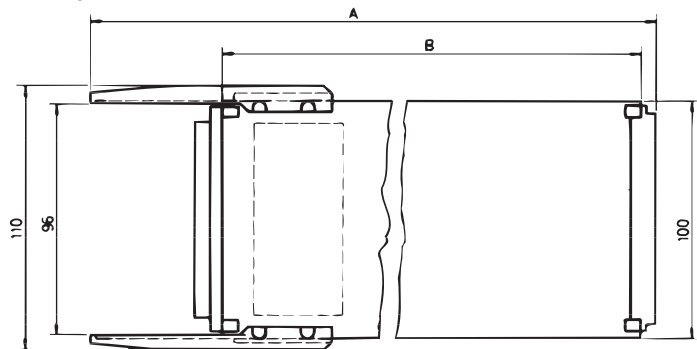
Description	Qty	Order no.
Type: short, with locking lever	2	<b>60800-834</b>
Type: short, without locking lever	1	<b>60800-032</b>
Type: long, with locking lever	2	<b>20800-212</b>
Type: long, without locking lever	2	<b>20800-213</b>

Short guide rail



A4-1908

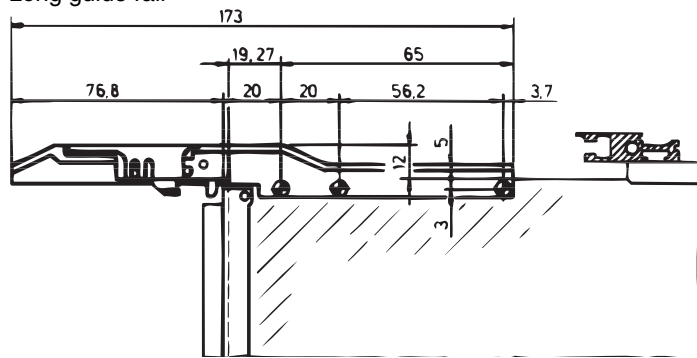
Short guide rail without lock



A4-2411

A, B, see "Technical data"

Long guide rail



A4-2551



For further information [www.schroff.biz/oneclick](http://www.schroff.biz/oneclick)  
oneClick code = Order no.





## Test adapters accessories

### Type / printed board versions

Epoxy resin fibreglass EP-GC02 in accordance with DIN 40802 (FR4).

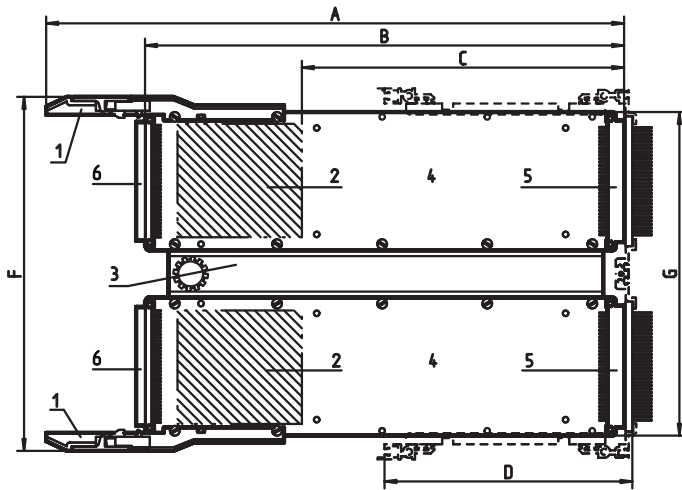
External connections (e.g. pins 1a, b, c and pins 32a, b, c) each with wide track or large-area tracks on inner layers – e.g. for shielding  $V_{CC}$ , GND.

#### Type

<b>1L</b>	Printed board single side laminated (suitable up to 2 MHz)
<b>2L</b>	Printed board double side laminated and through-plated (suitable up to approx. 8 MHz)
<b>4L</b>	Multi-layer, 4-layer (suitable from 8 MHz) Multi-layer technology with large-area inner layers (signal–plane–plane–signal). On the coax version, the large-area inner layers can be soldered onto any pins by means of power links.
<b>9L</b>	Multi-layer, 9-layer (suitable from 8 MHz) Multi-layer technology with plane inner layers (signal–plane–signal–signal–plane–signal) and shielded wires between the tracks.

# Test adapters accessories

## Dimensions test adapters



taa43143

- 1) Guide rail
- 2) Measuring field
- 3) Extraction aid
- 4) Test adapter
- 5) Connector (male)
- 6) Connector (female)

Board height	F mm	G mm
3 U	123.00	100.00
6U	257.00	233.35

Board depth	A mm	B mm	C mm	D mm
160mm	363	290	190	175.24
220 mm	423	350	250	235.24
280 mm	483	410	310	355.24
340 mm	543	470	370	415.24