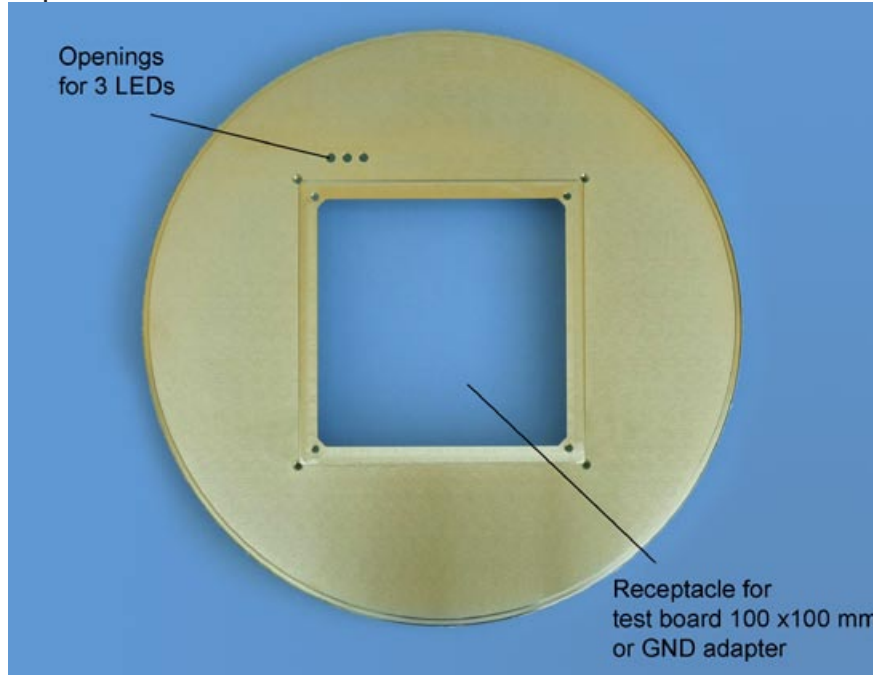


Item	Components	Quantity	Order reference																				
01	Ground plane (cut-out 100 x 100 mm)	1	GND 25																				
02	The connection board is inserted into the Ground plane from below. (not visible in the photo)	1	CB 0708																				
03	Different cut-out versions are available for the following GND adapter:		GNDA																				
	<table border="1"> <thead> <tr> <th>Variant</th> <th>GND adapter width / mm</th> <th>GND adapter height / mm</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>22.9</td> <td>22.9</td> <td>GNDA-01</td> </tr> <tr> <td>2</td> <td>32.7</td> <td>32.7</td> <td>GNDA-02</td> </tr> <tr> <td>3</td> <td>22.9</td> <td>68.3</td> <td>GNDA-03</td> </tr> <tr> <td>4</td> <td>45.8</td> <td>68.3</td> <td>GNDA-04</td> </tr> </tbody> </table>	Variant	GND adapter width / mm	GND adapter height / mm		1	22.9	22.9	GNDA-01	2	32.7	32.7	GNDA-02	3	22.9	68.3	GNDA-03	4	45.8	68.3	GNDA-04		
Variant	GND adapter width / mm	GND adapter height / mm																					
1	22.9	22.9	GNDA-01																				
2	32.7	32.7	GNDA-02																				
3	22.9	68.3	GNDA-03																				
4	45.8	68.3	GNDA-04																				
04	4 channel oscilloscope adapter	1	OA 4005																				
05	Probe tip holder	1	TH21																				
06	Sloping ground adapter 30° bracket 45° bracket	1 1	SGA 30 SGA 45																				

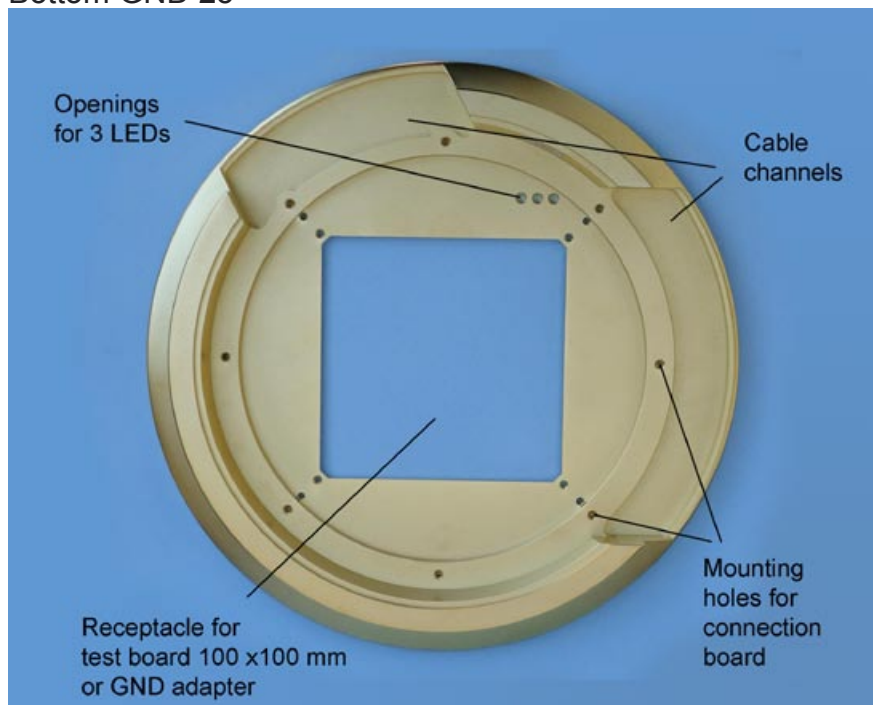
Top GND 25



The size of the IC to be tested determines the correct size of the IC adapter board. The plug on the back side of the IC adapter board connects the IC to be tested to the connection board CB 0708.

The ground plane GND 25 consists of steel with a gold plated surface to ensure a optimal magnetic adhesion and contacting of the probes.

Bottom GND 25

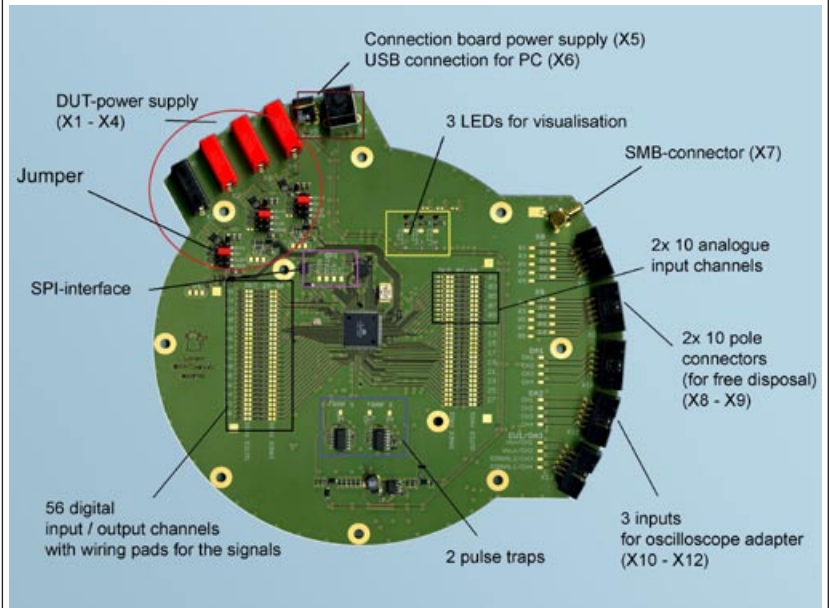


Diameter: 218 mm
 Weight (with CB 0708): 2.0 kg
 Height of the receptacle: 1.5 mm

Receptacle for test board or GND adapter		Order reference
width	height	
100.0 [mm]	100.0	GND 25

Properties:

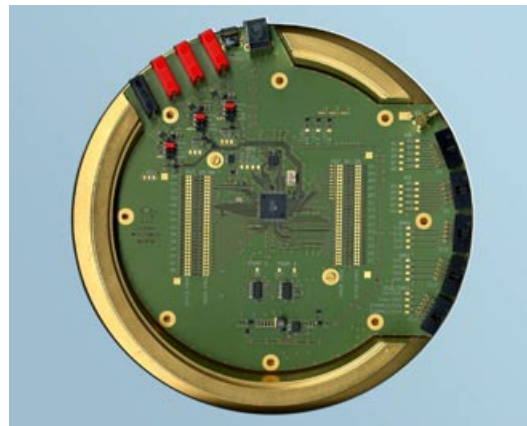
The CB 0708 is a connection board with a microcontroller to monitor and control a DUT during an EMC measurement.
The CB 0708 is controlled through control commands from a PC via USB.
The power is supplied via USB or from an external power supply unit.



Performance parameters:

Up to 56 digital input and output channels	- freely programmable
Up to 10 analogue input channels	- each with optional input voltage divider
1 SPI port	- to control and monitoring tasks of the DUT
3 power supplies (3-24 V, 500 mA)	- each with voltage and current measurement - can be activated and deactivated via the control software
2 pulse traps (pulse stretching)	- 1 x 100 ms pulse stretching as a fast and independent pulse indicator - 1 x variable trap programmable via the control software
3 LEDs for independent use	- as indicators for various signals
Wiring field to freely wire the DUT pins	- two 10 pole connectors (2.54 mm pitch) for free disposal - up to three connectors (2.54 mm pitch) for 4 channel oscilloscope adapter (OA 4005) - one SMB connector to connect a clock generator or similar

Connection board CB 0708 mounted under the ground plane GND 25 (Bottom view with wiring for the DUT)



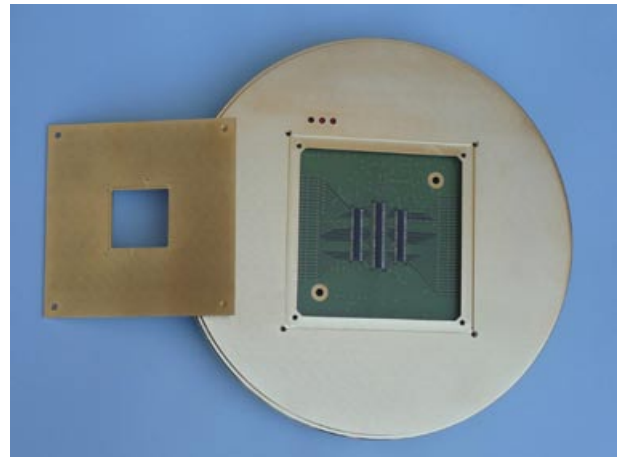
Properties:


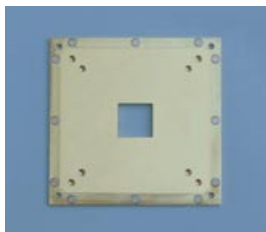

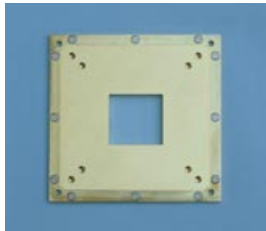

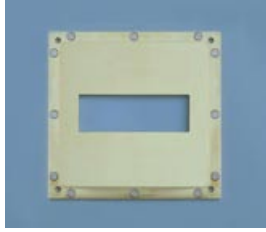
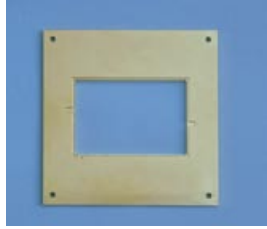
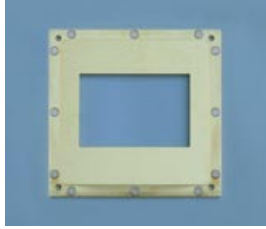
The GND adapter for the ground plane GND 25 are available in different types.

The size of the IC to be tested determines the size of the IC adapter.

The IC adapter board contains the test IC, the filter elements and the necessary components for the function. The plug on the back side of the IC adapter board connects the IC to be tested to the corresponding connection board.

Additional filters are normally located on the connection board for power-electronic applications.



Order reference	GND adapter		Top	Bottom
	height [mm]	width		
GND A-01 for the GND 25	22.9	22.9		
GND A-02 for the GND 25	32.7	32.7		
GND A-03 for the GND 25	22.9	68.3		
GND A-04 for the GND 25	45,8	68,3		

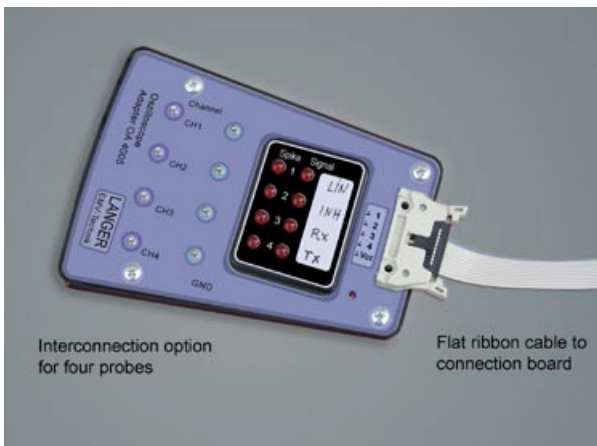
There are two ways to produce IC adapter cards:

1. Service provided by the Langer EMV-Technik GmbH (based on an offer)
2. Production by the customer himself with assistance from the Langer EMV-Technik GmbH

OA 4005

4 IC test board components
4.4 Oszilloscope adapter


page 40



Easy connection of probes for monitoring of 4 signals from DUT.

Digital signals will be displayed with LEDs (internal pulse stretching).

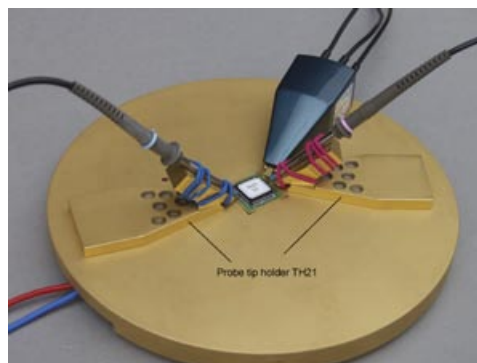
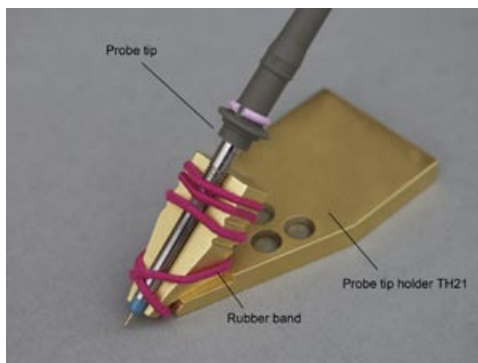
max. Input voltage: 50 V

Cut-off frequency : 45 MHz sine-wave signal
1 MHz square-wave signal

Order reference: OA 4005

TH21

4 IC test board components
4.5 Probe tip holder



The scope of delivery does not include a probe tip.

Order reference: TH21

The probe tip holder can be used for measurements up to 3 GHz. The frequency is generally limited by the probe tip used.

The rubber band fixation enables the use of a wide variety of different probe tip types. Internal magnets ensure the fixation on the GND plane.

SGA

4 IC test board components
4.6 Sloping ground adapter for probes



The scope of delivery does not include a probe.

Order reference:
SGA 30
SGA 45