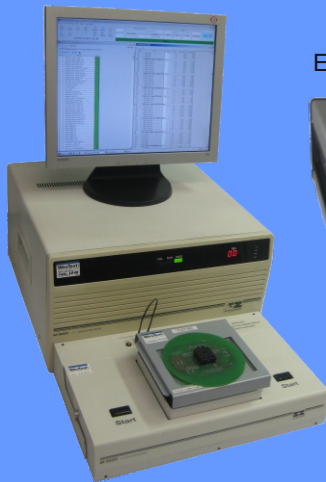


Elektrische Bauelemente-Qualifizierung

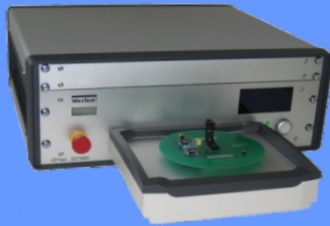
Test-Controller



M3000

Unites M4000/ Scadus

EDT1000/ EDTest (WesTest)



M36xx / credence Space



Meßgrößen

Strom, Spannung, Widerstand, Kapazität, Induktivität, Frequenz, Zeitdauer

physikalische Meßgrößen

Temperatur, Luftströmung, Länge, Druck

Testverfahren

Screening/ Selektion

Temp-Screening (mit Thermostream)

Qualifizierung (Parameter, Hersteller, ...)

Datenblatt-Test (100%)

Grundfunktion/ ID-Test (z.B. Brokerware)

Dauertests mit statistischen Auswertungen

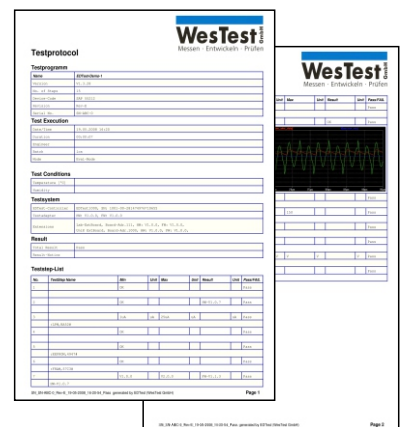
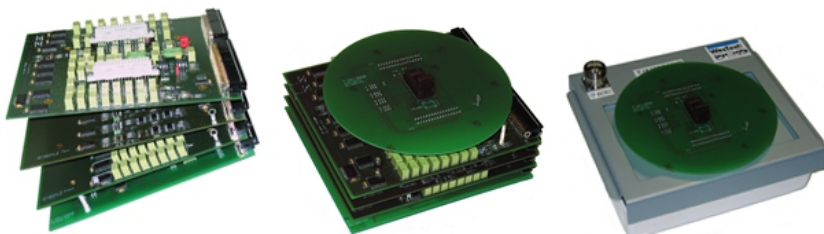
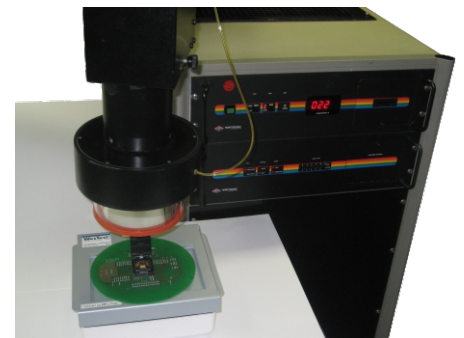
RunIn/ BurnIn, Kennlinien

Bauelemente

Mix-Signal Devices (static, programmable), Bridges
 Microcontroller, Bus-Transceiver (CAN, LIN, Flexray, SPI)
 Peripherals, Memories (Static RAM, ROM, PROM, EPROM, EEPROM),
 Logic arrays, Logic devices (CMOS, HCMOS, NMOS, PMOS, TTL, DTL, HTL, ECL)
 A/D Converters, D/A Converters, Sample & Hold devices, Voltage references
 Sensors (Temp, Hall, Opto), Operational amplifiers, Comparators, Chopper OA,
 Regulators, Switches (Low side, High side),
 Bipolar Transistors (NPN, PNP, Low power, Darlington, Field effect transistors),
 Diodes, Zenner diodes, Arrays, Optocouplers, Resistors, Capacitors, Inductors, Relais
 ...

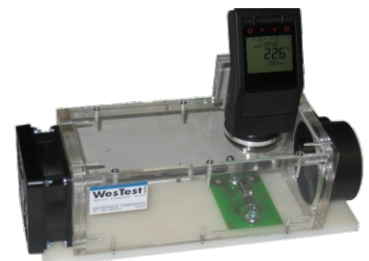
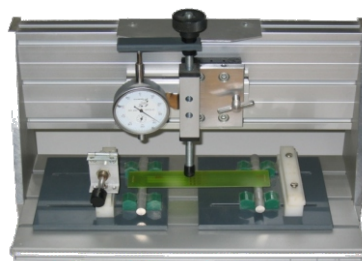
MikroController

- Aktivitätstest: Prozessor toggelt einen Digitalpin
- Funktionstest: Test von ausgewählten Funktionsblöcken (CPU, ALU, ADC, TIMER ...)
- Applikationstest: Test entsprechend Anwendung (evtl. in Applikationsschaltung)
- Temp-Screening



WesTest GmbH

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 34127 Kassel
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 Fax: 0561 98975-90



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 www.westest.de

Referenzen (Auswahl)

2764	MEMORY EPROM, 8192*8	RM3182	DUAL DIFFERENTIAL LINE DRIVERS, ARINC 429
27C010	128KX8 BIT EPROM	RX5VA	VOLTAGE DETECTOR
27C2048	128KX16 BIT CMOS EPROM	RXE30	POLYSWITCH
27C512	EEPROM 512K (64K * 8)	SDA0808	A/D CONVERTER, MUX, S&H
68HC16	MICROCONTROLLER, 8BIT	TJA1020	LIN transceiver
80C517/537	MICROCONTROLLER, 8BIT	SDA1810	A/D CONVERTER, 10 BIT
AD22004	LAMP CONTROL	SG1825	PULSE WIDTH MODULATOR, CURRENT MODE
AD667AD	12 BIT D/A CONVERTER	SN65176B	LINE DRIVER
AD7002	GSM BASEBAND I/O PORT	SN75435	QUAD PERIPHERAL DRIVER, 0.C., 600 MA
ADC0817	A/D CONVERTER, 8 BIT, ERROR 1 LSB, 100US, MULTIPLEXED INPUT	STK20C04	512X8 BIT CMOS NSRAM
ADC84KG12	A/D CONVERTER, 12 BIT, 0.012%, 10US	TCA965A	WINDOW DISCRIMINATOR
AT-IC01	FREQUENCY DIVIDER	TDA3047	PREAMPLIFIER
ATIC04AC	IMMOBILIZER BASESTATION	TDA7021	FM RECEIVER
ATR29	FLY WHEEL RECOGNITION	TDA7052	FM POWER DRIVER
ATR31	ACCELERATION EVALUATION	TDE1737	RELAY AND LAMP DRIVER, 45V, 0.3A
BI-IC	BUS INTERFACE IC	TEA1061	TELEPHON TRANSMISSION CIRCUIT
BIP178	ZÜNDUNGSTREIBER	TEA1124	ZERO VOLTAGE SWITCH
BSP452	MINI SMART	TEMT2200	IR TRANSISTOR, OPTOCOUPLER WITH TSMT2100
BTS413A	POWER SWITCH	TLE4202	DUAL DIFFERENTIAL AMPLIFIER
CA3524	PULSE WIDTH MODULATOR	TLE4268	LOW POWER VOLTAGE REGULATOR
CAT35104	SER. 512X8 BIT EEPROM	TLE5203	DC-MOTOR TREIBER
CG100	P ÜBERWACHUNG	TMS320AC39	VOICE BAND AUDIO PROCESSOR
CG33	VERY LOW DROP VOLTAGE REGULATOR	TMS320AD50	AUDIO BAND CONVERTER
CG560	AUTOMOTIVE	TSMS2100	IR DIODE, OPTOCOUPLER WITH TEMT2200
CG80B	ÜKB-VERSORGUNG	TY93062	SINGLE LOW SIDE SWITCH
CG82	RELAISTREIBER	TY93065	SERIELL LINK DRIVER
CG84	PARALLEL SERIELL SCHNITTSTELLE	U217B	ZERO VOLTAGE SWITCH
CG86	MICROPROCESSOR ÜBERWACHUNG UND VERSORGUNG	U2350B	PWM CONTROLLER
CJ161	AUTOMOTIVE	U2507	IR FRONTEND AMPLIFIER
CJ201	ENDSTUFENANSTEUERUNG	U2528B	PREAMPLIFIER FOR IR-SYSTEMS
CJ58	AUTOMOTIVE	U3211BM	IR TRANSMITTER
COP822	UP CONTROLLER	U6193B	TRIGGER IC 2
CP-IC	CHARGE PUMP IC	UAA1281	AIRBAG IC
CY13A	AUTOMOTIVE CONTROL	UC1825J	PULSE WIDTH MODULATOR, CURRENT MODE
CY17	ISO INTERFACE FOR AUTOMOTIVE	UC1901	POWER SUPPLY CONTROL
D2732A	MEMORY PROM, 4096*8, 250NS	UC2148	COMPANDER FOR FM RADIO TELEFONY TRANSCIEVER
DAC0832	D/A CONVERTER, 8 BIT, DOUBLE BUFFERED	UC2842	PWM CONTROLLER
DAC8512	D/A CONVERTER, 12 BIT, SERIAL INPUT	UPD65005	TKA MODEM IC (ASIC)
DCF77-C	DCF 77 RECEIVER	UPD7503	4 BIT MICROCONTROLLER WITH LCD DRIVER
DG303A	ANALOG SWITCH, 35 OHMS, +/-15 V	V3021	1 BIT REAL TIME CLOCK
DS3695	DIFFERENTIAL LINE TRANSCIEVER, RS-485	X25C02	256X8 BIT EEPROM
ELMOS116.06	SPEED CONTROL ASIC	TLE4296GV50	LowDrop Voltage Regulator
ELMOS116.07	MICROCONTROLLER WATCHDOG	ZN429E8	D/A CONVERTER, 8 BIT
FAIL SAVE	FAIL SAVE IC	ISL9V3040D3S	Ignition IGBT
GEC43	ALARM CIRCUIT	E100.42	LIN-/K-Bus Interface
HL2000	HAIRDRIYER	AD22057R	Sensor-Interface
HYBRID DHE	HYBRID FOR DHE	L9929	H-Bridge SPI-Controlled
HYBRID IV	TEMPERATURE CONTROL IC	LMP2870	Differenz Amplifiers
ICL7660	SUPER VOLTAGE CONVERTER	BSP772T	Smart Power High-Side Switch
IH5043CPE	CMOS ANALOG SWITCH	TLE6220GP	Smart Quad Low-Side Switch
IR2110	HIGH AND LOW SIDE DRIVER	BSS138W	SIPMOS Small-Signal-Transistor
IR2151	SELF OSCILLATING HALF-BRIDGE DRIVER	BTS724G	Smart high side power switch
IR8200	DMOS H-BRIDGE	BC846BW	NPN Transistor
KFE300	uP	BTS5210L	Smart high side power switch
L674	OCTAL GROUND MONITOR	AD8202	Difference amplifier
L9703	GROUND MONITOR	R-Array	4*22k array
L9705	OCTAL QUAD CONTACT INTERFACE	BAS40-04W	Schottky barrier (double) diode
L9822	OCTAL SERIELL SOLENOID DREIVER	LMP8277	Difference amplifier
L9824	OCTAL PARALLEL POWER INTERFACE	L9857	High Voltage High-Side Driver
LM2575	STEP DOWN VOLTAGE REGULATOR, 1 A	ESDA25SC6	Quad transil Array
LM2925	LOW DROPOUT REGULATOR WITH DELAY RESET	IR2117S	Single channel driver
LM2984	POWER SUPPLY SYSTEM	TLE6250	CAN-Transceiver
LM359	DUAL HIGH SPEED NORTON AMPLIFIERS	BUK9Y19-55B	N-Channel-TrenchMOS-FET
LMX2305	1,1 GHZ FREQUENCY SYNTHESIZER	NUP2105L	Dual Line CAN Protector
LMX2332	PLL DUAL FREQUENCY SYNTHESIZER	BTS612N1	Smart two channel high side power switch
LP2951	MICROPOWER VOLTAGE REGULATOR	IRF7379S	Complimentary Half Bridge
LS1240	PHONE RINGER	IRF7103	Dual n-channel power MOSFET
LS256B	TELEPHONE SPEECH CIRCUIT WITH MF INTERFACE	LM2904	Dual Operational Amplifier
LT1004/9	VOLTAGE REFERENCE	LM71	SPI/Microwire temperature sensor
LT1072HV	SWITCHING REGULATOR	L9929(SA)	H-Bridge SPI-Controlled
LT1081	RS232 DRIVER/RECEIVER	LMP8270Update	Difference amplifier
LTC1451	12-BIT DAC	LMP8277Update	Difference amplifier
M2560	DECADE PULSE DIALLER, C-MOS	SM8A27	Transient voltage suppressor
MA5416	LD / DTMF SWITCHABLE DIALLER CHIP	NCV8184DR2G	Micropower low dropout regulator
MAX 708	SUPERVISORY CIRCUIT	LM2901	Quad differential comparator
MAX192	10-BIT AD CONVERTER	VND5050AJ-E	Double channel high side driver
MAX233	DUAL RS-232 DRIVERS AND RECEIVERS	TLE4267	5V-Low-Drop Voltage Regulator
MAX707	SUPERVISORY CIRCUIT	CIC751	Companion microcontroller
MB3771	POWER SUPPLY MONITOR	BAS21U	Silicon switching diode
MBM27C102	64KX16 BIT EPROM	TL431	Adjustable precision shunt regulator
MC14053	A/D CONVERTER, 10 BIT, SERIAL INTERFACE	LM2902	Quadruple Operational Amplifier
MC145053	10-BIT ANALOG-DIGITAL CONVERTER MIT SERIELLEM INTERFACE	R2S2520M	18 channel low side driver
MC33063	SWITCHING REGULATOR	AD8202/CMRR	Difference amplifier
MC33464	MICROPOWER UNDERVOLTAGE SENSING CIRCUITS	NUD3124	Automotive inductive load driver
MC3419C-1L	SUBSCRIBER LOOP INTERFACE CIRCUIT	TLE 4728 G	2-Phase stepper-motor driver
MME3728	DC-DC CONVERTER	L9935	Two-phase stepper motor driver
MP7523AD	D/A CONVERTER, 8 BIT	TLE8209	New generation H-Bridge device
NOV03	WASCHMASCHINENSTEUERUNG	L9939XP(SA+STA)	H-Bridge SPI-Controlled
OC IC	OUTPUT CONTROL IC	LM2904WYPT	Low power dual operational amplifier
PBD3535	DTMF GENERATOR	LM2937ES.0	500mA low dropout regulator
PBL371	STEPPING MOTOR DRIVER	BTS3118D	Smart lowside power switch
PBL3726/19N	SPEECH CIRCUIT FOR ELECTRONIC TELEPHONES	AD8203	Difference amplifier
PC1611	HYBRID PC 16-11	TJA1080TS/N	FlexRay Transceiver
PCA82C250	CAN TRANSCIEVER	BTS5215L	Smart high side power switch
PCD3327P	PULSE DIALLER WITH REDIAL	L9929_Rev12	SPI Controlled H-Bridge
PCD8582	EEPROM, IIC BUS, 256 * 8 BIT	LM317M	500mA Adjustable Output, Positive Reg.
PM7528	DUAL D/A CONVERTER, 8 BIT	L9939 (SA)	H-Bridge SPI-Controlled
PMB2306	PLL FREQUENCY SYNTHESIZER	L9856	High Voltage High-Side Driver
PS HYBRID	POWER SUPPLY HYBRID	BUK2C80-50SDYB	Dual Channel High-Side TOPFET
PSB4500	SPEECH CIRCUIT WITH DTMF INTERFACE	INA193	Current shunt monitor