PADS - Projekty 2023L

Lp	Projekt	Link	Uwagi
Bio-sygnały			
1	Evaluating the AD8232 Single-Lead Heart Rate Monitor Front End	https://www.analog.com/media/en/technical-documentation/user-guides/AD8232-EVALZ_UG-514.pdf	
2	AFE7222 Evaluation Module	https://www.ti.com/tool/AFE7222EVM#design-files	Trochę rozbudowany projekt – można go uprościć
3	MAX30001EVSYS	https://www.analog.com/en/design-center/evaluation-hardware-and-software/evaluation-boards-kits/max30001evsys.html#eb-overview	Trochę rozbudowany projekt – można go uprościć
Audio			
4	Karta muzyczna dla Raspberry Pi	https://ep.com.pl/files/ift/12967-ep_2020-03_058-061.pdf	
5	Wzmacniacz stereo 200W	https://www.ti.com/lit/ug/slau874/slau874.pdf?ts=1677963262508&ref_url=https%253A%252F%252Fwww.ti.com%252Fproduct%252FTPA3223	
6	Wzmacniacz mono 8W	https://www.ti.com/lit/ug/slou529a/slou529a.pdf?ts=1677963441895&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FTAS5431Q1EVM	
7	Wzmacniacz „inductor-less”	https://www.ti.com/lit/ug/slau524/slau524.pdf?ts=1677963545230&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FTAS5806MEVM	
8	Automotive Integrated Digital Audio Interface Receiver and Transmitter	https://www.ti.com/lit/ug/sbou037/sbou037.pdf?ts=1677963653694&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FDIX4192EVM-PDK	
Urządzenia kontrolno-pomiarowe			
9	Miernik pojemności akumulatorów MPA-10	https://ep.com.pl/files//12527.pdf	Trzeba zamienić komponenty na SMD

10	TUSS4440 transformer driven ultrasonic transducer with LDO evaluation module	https://www.ti.com/lit/ug/slau822a/slau822a.pdf?ts=1677966105136&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FBOOSTXL-TUSS4440	
11	Ultrasonic Sensing for Level and Concentration Measurement Evaluation Module	https://www.ti.com/lit/ug/sniu023/sniu023.pdf?ts=1677966212344&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FTDC1000-C2000EVM	
12	LDC1101 1.8V, High Resolution Inductance to Digital Converter Evaluation Module	https://www.ti.com/lit/ug/snou137/snou137.pdf?ts=1677966336504&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FLDC1101EVM	
13	LDC1614 Evaluation Module for Inductance to Digital Converter with Sample PCB Coils	https://www.ti.com/lit/ug/snou135a/snou135a.pdf?ts=1677966435107&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FLDC1614EVM	
Power			
14	Lead-Acid Battery Charger	https://www.mouser.pl/datasheet/2/256/MAX17702EVKITA-2327367.pdf	
15	BQ25622 evaluation module for single-cell 3.5-A battery charger with low IQ and current-limit pin	https://www.ti.com/lit/ug/sluuck2a/sluuck2a.pdf?ts=1677964256223&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FBQ25622EVM	
16	DRV8316R three-phase PWM motor driver evaluation module	https://www.ti.com/lit/ug/slvubz9b/slvubz9b.pdf?ts=1677964480371&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FDRV8316REVM	
17	DRV8328A three-phase PWM motor driver evaluation module	https://www.ti.com/lit/ug/slvucd3a/slvucd3a.pdf?ts=1677964554066&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FDRV8328AEVM	Trochę rozbudowany projekt – można go uprościć
18	Intel IMVP6+ Atom CPU Core Power Reference Design	https://www.ti.com/tool/PMP5114	
19	Power Reference Design for Positron Emission Tomography (PET) Scanner Processing and Control Board	https://www.ti.com/tool/PMP5754	
20	Intel IMVP6.5 Core i7 CPU Core Power Reference Design	https://www.ti.com/tool/PMP5800	
21	Universal AC 40W Set Top Box Power Supply (1.2V @ 3A)	https://www.ti.com/tool/PMP5411	
22	62.5W auxiliary power supply for three-phase power converter	https://www.infineon.com/dgdl/Infineon-AN2020-39_REF_62W_FLY_1700V_SIC-ApplicationNotes-v01_00-EN.pdf?fileId=5546d462724fa97201725048764b05a6	
23	Power Over Ethernet (PoE) Power Module (90 Watts), Connected Lighting Platform	https://www.onsemi.com/design/tools-software/evaluation-board/LIGHTING-POWER-POE-GEVB	

24	TPS2375 IEEE802.3af POE Powered Device Evaluation Module	https://www.ti.com/tool/TPS2375EVM	
25	NXQ1TXH5 WPC 1.2 Qi-compliant wireless charger demo board	https://www.nxp.com/products/no-longer-manufactured/nxq1txh5-wpc-1-2-qi-compliant-wireless-charger-demo-board:NXQ1TXH5DB1401	
26	650mA Wireless Battery Charger Demonstration Kit	https://www.analog.com/en/design-center/evaluation-hardware-and-software/evaluation-boards-kits/DC2554A.html#eb-overview	
Inne			
27	HDC3020 evaluation module for temperature and humidity sensors	https://www.ti.com/lit/ug/snau267a/snau267a.pdf?ts=1677964842905&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FHDC3020EVM	
28	Isolation amplifier	https://www.ti.com/lit/ug/slau733/slau733.pdf?ts=1677964962792&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FISO224EVM	
29	AMC1100 Evaluation Module	https://www.ti.com/lit/ug/sbau196a/sbau196a.pdf?ts=1677965054448&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FAMC1100EVM	
30	DAC63204 evaluation module for four-channel, 12-bit, VOUT and IOUT smart DAC	https://www.ti.com/lit/ug/slau866/slau866.pdf?ts=1677965140658&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FDAC63204EVM	
31	AFE881H1 evaluation module for 16-bit low-power AFE with DAC, ADC, and HART® modem	https://www.ti.com/lit/ug/slau858/slau858.pdf?ts=1677929174263&ref_url=https%253A%252F%252Fwww.ti.com%252Fproduct%252FAFE88101	
32	DAC82002 evaluation module for dual-channel, 16-bit, low-glitch-noise, unbuffered-voltage-output DAC	https://www.ti.com/lit/ug/sbau401/sbau401.pdf?ts=1677927476413&ref_url=https%253A%252F%252Fwww.ti.com%252Fproduct%252FDAC82002	
33	ADS1285 performance demonstration kit for 32-bit high-resolution two-channel delta-sigm	https://www.ti.com/lit/ug/sbau394a/sbau394a.pdf?ts=1677965495727&ref_url=https%253A%252F%252Fwww.ti.com%252Ftool%252FADS1285EVM-PDK	Trochę rozbudowany projekt – można go uprościć
34	12-Bit Impedance Converter Network Analyzer	https://www.analog.com/en/design-center/evaluation-hardware-and-software/evaluation-boards-kits/eval-ad5933.html	
35	1200 V SOI gate driver 6ED2231S12T evaluation board	https://www.infineon.com/dgdl/Infineon-UG-2022-04_EVAL-6ED2231S12TM1-UserManual-v01_00-EN.pdf?fileId=8ac78c8c85ecb34701865efefdfa55cf	
36	Evaluation mother/daughterboards	https://www.infineon.com/dgdl/Infineon-Infineon-2ED2410-EB-Family-UG-UserManual-v01_00-EN.pdf?fileId=8ac78c8c82ce56640182e88b28167006	
37	XMC4500 Relax Lite Kit	https://www.infineon.com/dgdl/Board_Users_Manual_XMC4500_Relax_Kit-V1_R1.2_released.pdf?fileId=db3a30433acf32c9013adf6b97b112f9	

38	12V 1A AUTOMOTIVE FLYBACK CONVERTER for AUTOMOTIVE APPLICATIONS	https://www.infineon.com/dgdl/Infineon-Z8F70258391_12V_1A_Flyback_Converter_Gen2-ApplicationNotes-v02_00-EN.pdf?fileId=5546d46269e1c019016a015c9fc44158	
39	TLE9461-3ES / TLE9471-3ES Evaluation Board	https://www.infineon.com/dgdl/Infineon-Lite_SBC_Evaluation_Board-Getting_Started-UserManual-v01_00-EN.pdf?fileId=5546d46267c74c9a0167d02c0bcd1a6a	
RF			
40	CC1310 LaunchPad™ development kit for sub-1-GHz SimpleLink™ wireless MCU	https://www.ti.com/tool/LAUNCHXL-CC1310#design-files	
CPLD/FPGA			
41	Evalboard for MAX10	https://maximator-fpga.org/wp-content/uploads/2018/06/MAXimator-board.pdf	
42	MachXO3L Starter Kit	https://www.latticesemi.com/products/developmentboardsandkits/machxo3lsta rterkit	Trochę rozbudowany projekt – można go uprościć