

KLS_neu_bom

Bezeichner	Footprint	Stückzahl	Bezeichnung	Anbieter und Referenz	Bestellnummer
Leiterplatte KLS					
C203,C307,C305,C309,C107,C105,C303,C207,C302,C117,C204,C201,C108,C119,C209,C206,C301,C101	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	18	100n	R	KEM X7R0805 100N
C103,C104	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	2	27p	R	KEM C0G0805 27P
C202,C205,C208	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	3	10n	R	X7R-G0805 10N
C116,C308,C102,C106,C306,C118,C109	C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	7	10u	R	GRM21BR61E106K
C310,C113,C304,C115	CP_Radial_D10.0mm_P3.50mm	4	470u	R	RD1C477M0811M180
C114,C112	CP_Radial_D12.5mm_P5.00mm	2	2200u	R	RD1E228M12025100
X101	Crystal_HC49-U_Vertical	1	18,432MHz	R	IC23TH18.432
D201,D202,D301,D204,D302,D206,D203,D205	D_SOD-123	8	1N4148W-13-F	R	1N4148W HOT
D101,D102	Diode_Bridge_OnSemi_SDIP-4L	2	DB1A70	R	SMD DB1A70
U1	DIP-28_W7.62mm	1	PIC18F26K80		DL4JAL
			Fassung	R	GS 28P-S
F102	Fuseholder_Cylinder-5x20mm_Schurter_0031_8201_Horizontal_Open	1	200mA	R	ESKA 503400
F101,F103	Fuseholder_Cylinder-5x20mm_Schurter_0031_8201_Horizontal_Open	2	600mA	R	ESKA 503930
	Feinsicherung	1	200mA	R	MTR. 0,2A
	Feinsicherung	2	600mA	R	MTR. 0,63A
(J106,J107,J104)	PinSocket_2x14_P2.54mm_Vertical	1	NULL Kraft Sockel maximal 2x 14pin schmal o. breit		Ebay Reichelt Völkner
RV201	Potentiometer_Bourns_3296Y_Vertical	1	100k	R	64Y-100K
RV301	Potentiometer_Bourns_3296Y_Vertical	1	500k	R	64Y-500K
RV303	Potentiometer_Bourns_3296Y_Vertical	1	50k	R	64Y-50K

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RV302	Potentiometer_Bourns_3296Y_Vertical	1	200k	R	64Y-200K
J101	PSS-254-5G	1	Programmer	R	PSS-254
J103	PSS-254-5G	1	UART_USB	R	PSS-254
J102	PSS-254-5G	1	LED_Info	R	PSS-254
	2x Stecker und Kontakte PSK-254 5 polig			R	PSK 254/5W
	Kontakte PSK 254			R	PSK-KONTAKTE
R309	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	82k	R	RND 155HP05 EJ
R310	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	8,2k	R	RND 155HP05 EI
R104	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	1K	R	PAN ERJ6ENF1001V
R305	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	820k	R	WAL WR08X8203FTL
R317	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	1	100	R	SMD-0805 100
R108,R106	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	2	2,7k	R	SMD-0805 2,70K
R318,R314	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	2	1	R	PAN ERJ6BQF1R0V
R102,R103	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	2	390	R	SMD-0805 390
R204,R202,R205,R206,R201,R203,R207,R308,R216,R211,R320,R304,R217,R210,R313,R221,R218,R214,R303,R220,R213,R311,R208,R315,R212,R219,R209,R301,R215	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	29	10k	R	SMD-0805 10,0K
R316,R105,R306	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	3	1k	R	PAN ERJ6ENF1001V
R307,R312,R319,R302	R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	4	10k*	*	*
R223	R_2512_6332Metric_Pad1.40x3.35mm_HandSolder	1	10	D	RC2512JK-0710RL
R222	R_2512_6332Metric_Pad1.40x3.35mm_HandSolder	1	1	D	RMCF2512FT1R00
K304,K302,K301,K201,K303	Relay_DPDT_Omron_G6K-2P	5	G6K-2	R	G6K-2P 12V
U201,U301	SO-8_3.9x4.9mm_P1.27mm	2	AD8642ARZ	D	AD8642ARZ
U302,U203,U202	SOIC-14_3.9x8.7mm_P1.27mm	3	AD8643ARZ	D	AD8643ARZ

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U102	SOIC-16_3.9x9.9mm_P1.27mm	1	ULN2003	R	ULN 2003 ADR
Q303	SOT-23	1	BC858C	R	BC 858C SMD
Q302	SOT-23	1	BC848C	R	BC 848C SMD
DZ201,DZ203,DZ202	SOT-23	3	BZX84-C5V6	R	SMD ZD 5,6
U103,U106	SOT-23-6	2	MCP4726	R	MCP 4726A0T-E/CH
J105	TerminalBlock_4Ucon_1x04_P3.50mm_Horizontal	1	Netz	R	AKL 059-04
TP301	TestPoint_Pad_1.0x1.0mm	1	DA-Wandler B/G	*	*
TP302	TestPoint_Pad_1.0x1.0mm	1	DA-Wandler K/D	*	*
U104	TO-220-3_Horizontal_TabDown	1	LM 2940 CT12	R	LM 2940 CT12
U105	TO-220-3_Horizontal_TabDown	1	LM 2990 T-12	R	LM 2990 T-12
Q304	TO-252-2	1	MJD32	D	MJD32CT4G
Q301	TO-252-2	1	MJD31	D	MJD31CT4G
U101	TO-252-2	1	L78M05CDT	R	L78M05CDT STM
TR101	Transformer_CHK_EI54-12VA_2xSec	1	EI54/18,8 212	R	EI 54/18,8 212
Gehäuse GEH EG 2; ich habe nur die Seitenprofile verwendet; das Gehäuse war zu schmal.				R	GEH EG 2
Leiterplatte LED Info					
J101	PinHeader_1x05_P2.54mm_Vertical	1	Conn_01x05_Pin		nicht bestückt nur Lötunkte
D102	LED_D3.0mm	1	LEDgn	R	3034G3D-EHE-A
D101,D103	LED_D3.0mm	2	LEDrt	R	3034R1C-DSB-C
D104	LED_D3.0mm	1	LEDge	R	VIS TLHY 4400
Leiterplatte USB Anschluss					
J2	PSS-254-5G	1	Conn_01x05_Pin		nicht bestückt nur Lötunkte
J1	USB_B_Lumberg_2411_02_Horizontal	1	USB_B	R	USB BW

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Bezeichner	Footprint	Stückzahl	Bezeichnung	Anbieter und Referenz	Bestellnummer
U1	SSOP-28_5.3x10.2mm_P0.65mm	1	FT232RL	R	FT232RNL
C2,C1	C_0805_2012Metric	2	100n	R	KEM X7R0805 100N
R2	R_0805_2012Metric	1	10k	R	SMD-0805 10,0K
R1	R_0805_2012Metric	1	4,7k	R	SMD-0805 4,70K

R	Reichelt
D	Digikey