

Locolno Keypad

Ref Name	Qty	Component	Value	Package	Manufacturer	Farnell	Reichelt	Other Part Number	Description
PL1	1	1x2_Bruecke		1x02-oct			SL 1X40G 2,54		2 way Pin Header
T1	1	2N2222	BC337	TO92A			BC 337-40		NPN TRANSISTOR
T2	1	BC327	BC327	TO92A			BC 327-40		PNP TRANSISTOR
S1..S16	16	10-XX		B3F-10XX			TASTER 3301B		OMRON SWITCH
IC4	1	78XXS	78L05	TO92			MC 78L05 ACPG	LP2950 ACZ5,0	VOLTAGE REGULATOR
J1	1	520250-3		520250-3	Molex 95501-2661	1536490		Econ Connect MEB6/6PL Voelkner Y726811	RJ12 Connector 6/6P
U1	1	ATmega328-TQFP		SMD	Atmel		ATMEGA 328P-AU		8-bit AVR Microcontroller 8Kb Prog Flash
C8	1	C2,5-3	15p	C025				TC-K15PF2 Voelkner S601721	CAPACITORnaming: grid - package width
C2, C4	2	C2,5-3	100n	C025					CAPACITORnaming: grid - package width
C5, C6, C7, C9	4	Capacitor	100n	0603			X7R-G0603 100N		Capacitor
C3	1	CPOL_RM2_D5	4.7µ	E2_D5			RAD 4,7/35		ELECTROLYTIC CAPACITOR grid 2mm, diameter 5mm
C1	1	CPOL_RM2.5_D7	47uF/35V	THT			RAD 47/35		ELECTROLYTIC CAPACITOR grid 2.54 mm, diameter 7 mm
D1, D2	2	Diode bedrahtet	1N4148	diod04			1N 4148		Diode
R3	1	FUSE PTC RM5	PTC/100mA	THT			PFRA 010		
S17	1	KMR2		SMD		1437636	KMR231 G LFS	KMR231 Voelkner S679772	OMRON SWITCH
LED1	1	LED3MM	LED3MM	3mm					LED3 mm, round
LED2	1	LED3MM	LED3MM	3mm					LED3 mm, round
IC2	1	LM311		DIL			LM 311 DIP		COMPARATOR
FTDI	1	PINHD-1X6-90		1x6-90			SL 1X40W 2,54		PIN HEADER
R7	1	R-EU_0204/7	4K7	0204/7					RESISTOR, European symbol
R9	1	R-EU_0204/7	10k	0204/7					RESISTOR, European symbol
R8	1	R-EU_0204/7	22k	0204/7					RESISTOR, European symbol
R1, R2	2	R-EU_0204/7	33R	0204/7					RESISTOR, European symbol
R4	1	R-EU_0204/7	47K	0204/7					RESISTOR, European symbol
R5	1	R-EU_0204/7	150K	0204/7					RESISTOR, European symbol
R6, R13	2	R-EU_0204/7	220K	0204/7					RESISTOR, European symbol
R10	1	Resistor SMD small	4k7	0603					
R11	1	Resistor SMD small	1k0	0603					
R12	1	Resistor SMD small	10k	0603					
X1	1	Resonator, 16,0 MHz,		CSTNE_V			CSTCE 16,0	CSTNE16M0V53C000R0	Resonator, 16,0 MHz,
RN1, RN2	2	SIL 9-8	8x 10k	SIL 9-8			SIL 9-8 10K		Resistor Network, optional
J2	1	ML6	AVR ISP6	ML6			WSL 6G		Wannenstecker, 6polig
	1	Case					SP 2090 SW		