

EstlCam board v3

Part	Value	Device	Package	Description	price	
BT	2.54 pin header	PINHD-1X4	1X04	PIN HEADER	0	
C1	0.33uF 50v	C-EUC1206	C1206 Tantal	CAPACITOR, European symbol	1,18	
C2	100nf	C-EUC0805	C0805	CAPACITOR, European symbol	0,054	
C3	100nf	C-EUC0805	C0805	CAPACITOR, European symbol	0,054	
C4	220uf 25v	CPOL-EUE5-6	E5-6	POLARIZED CAPACITOR, European symbol	0,52	
C5	22uf	CPOL-EUE2-5	E2-5	POLARIZED CAPACITOR, European symbol	0,52	
C6	100nf	C-EUC0805	C0805	CAPACITOR, European symbol	0,054	
C7	100nf	C-EUC0805	C0805	CAPACITOR, European symbol	0,054	
D1	green	LED1206	LED-1206	LED (Generic)	0,23	
D3	SS36	ES2D	SMB	DIODE	0,34	
IN1	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
IN2	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
IN3	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
IN4	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
IN5	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
IN6	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
IN_V_SEL	2.54 pin header	PINHD-1X3	1X03	PIN HEADER	0	
JP1	2.54 pin header	PINHD-1X2	1X02	PIN HEADER	0	
IN7	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
IN8	KF301-3P	691131710003	691131710003	WR-TBL Terminal block - CUU5/3 - 3 Pins;=>Code :	0,125	
DIR1	KF301-3P	691131710003	691131710003	WR-TBL Terminal block - CUU5/3 - 3 Pins;=>Code :	0,125	
DIR2	KF301-3P	691131710003	691131710003	WR-TBL Terminal block - CUU5/3 - 3 Pins;=>Code :	0,125	
LED2	red	LED_ESML0603	LED_SML0603	LED	0,23	
LED3	red	LED_ESML0603	LED_SML0603	LED	0,23	
LED4	red	LED_ESML0603	LED_SML0603	LED	0,23	
OUT3	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
VFD	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
RPM	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
PWM	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
OUT1	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
POW	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
OUT_V_SEL	2.54 pin header	PINHD-1X3	1X03	PIN HEADER	0	
PWM	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
OUT2	KF301-2P	691131710002	691131710002	WR-TBL Terminal block - CUU5/2 CUU5/2GR - 2 Pins;=>Code : Con_TBL_Screw_PClamp_5.00_6911317100xx_691131710002	0,125	
R1	1k	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R2	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R3	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R4	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R5	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R6	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R7	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R8	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R9	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R10	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R11	220	R-EU_R0603	R0603	RESISTOR, European symbol	0,036	
R12	220	R-EU_R0603	R0603	RESISTOR, European symbol	0,036	
R13	220	R-EU_R0603	R0603	RESISTOR, European symbol	0,036	
R14	220	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R15	1k	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R16	1k	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R17	4k7	R-EU_R0603	R0603	RESISTOR, European symbol	0,036	
R21	1k	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
R22	4k7	R-EU_R0805	R0805	RESISTOR, European symbol	0,036	
FEED	jst xh 3p	22-23-2031	22-23-2031	.100 (2.54mm) Center Header - 3 Pin"	0,255	
RESET	jst xh 2p	22-23-2021	22-23-2021	.100 (2.54mm) Center Header - 2 Pin"	0,255	
SPEED	jst xh 3p	22-23-2031	22-23-2031	.100 (2.54mm) Center Header - 3 Pin"	0,255	
STEP	KF301-3P	691131710003	691131710003	WR-TBL Terminal block - CUU5/3 - 3 Pins;=>Code :	0,125	
TB1	Pin-Header FEM	ARDUINO_NANO	SHIELD_ARDUINO_NANO	Arduino Nano, Through Hole	1,0	
U1	LTV-847S	LTV-847S	SOIC254P1016X460-16N	Optocoupler DC-IN 4-CH Transistor DC-OUT 16-Pin PDIP SMD Check prices	1,08	
U2	MC7805C	MC7805C	TO254P1515X470-3N	5V Positive voltage regulator ICs Check prices	2,29	
U3	LM358M/NOPB	LM358M/NOPB	SOIC127P599X175-8N	Check prices Check prices	0,25	
U4	LTV-847S	LTV-847S	SOIC254P1016X460-16N	Optocoupler DC-IN 4-CH Transistor DC-OUT 16-Pin PDIP SMD Check prices	1,08	
U5	PC817X3NSZ1B	PC817X3NSZ1B	DIP762W50P254L495H455Q4	Optoisolator Transistor Output 1 Channel 4-DIP Check prices	0,299	
U6	ULN2003AD	ULN2003AD	SOIC127P600X175-16N	Check prices	0,27	
U7	L78L05ACU	L78L05ACU	SOT89	5V Positive voltage regulator SMD SOT89 Package 100mA	0,6	
U8	74AHC1G125	SN74AHC1G125D	SOT23-5L		0,375	
VR1	10k	W103	TRIM_POT	Res Cermet Trimmer10K Ohm 10% 0.5W 25(Elec)Turn 2.19mm (9.53 X 4.83 X 11.55mm) Pin Thru-Hole Tube Check prices	1,9	
JP	3x		2.54 Headers and Jumpers		0,204	
HT	Heatsink	10x10x10mm	Heatsink		0,41	
PCB	pcb fab	pcb+stencil cost			3	
POS	Montage und Tests				10	
					BOM €	30,278