

ImageBoard

BILL OF MATERIALS

PCB : ImageBoard
 PCB Revision: V1.0
 PCB dikte : 0.6mm
 Date: 01-24-2019
 BOM version: v1.0
 Firmware: None

Resistor

Designator	Package	Quantity	Value	Supplier	ref	Company	Type	Description
R5	0201	1	47.5k 1%	Mouser	603-RC0201FR-0747K5L	Yageo	RC0201FR-0747K5L	
R2	0201	1	1.8k 1%	Mouser	603-RC0201FR-071K8L	Yageo	RC0201FR-071K8L	
R3,R1	0201	2	1.5k 1%	Mouser	603-RC0201FR-071K5L	Yageo	RC0201FR-071K5L	
R6,R7,R8	0201	3	10k 1%	Mouser	603-RC0201FR-0710KL	Yageo	RC0201FR-0710KL	

Capacitor

Designator	Package	Quantity	Value	Supplier	ref	Company	Type	Description
C12,C14,C13,C26,C25,C23,C18,C10,C2,C1,C21,C17	0201	10	100nF 10V X5R	Farnell	2524957	TDK	C0603X5R1A104K030BC	
C15,C16,C24,C20	0201	4	10nF 10V X5R	Mouser	81-GRM033R61A103KA01	muRata	GRM033R61A103KA01D	
C8,C7,C6,C5,C4,C3,C9	0201	6	1uF 6.3V X5R	Farnell	2672085	muRata	GRT033R60J105ME13D	
C11,C27,C19,C22	0402	2	10uF 6.3V X5R	Farnell	2218854	muRata	GRM155R60J106ME44D	

Inductor

Designator	Package	Quantity	Value	Supplier	ref	Company	Type	Description
L1	0402	1	Ferrite Bead	Farnell	2443223	muRata	BLM15AX601SN1D	

IC's

Designator	Package	Quantity	Value	Supplier	ref	Company	Type	Description
U1	ODCSP67	1	NOIP1SN0480A	Mouser	863-NOIP1SN0480ASTI1	ON Semiconductor	NOIP1SN0480A-STI1	Monochrome Image sensor 808x608
U2	SC-70	1	LMV321	Mouser	926-LMV321M7X/NOPB	Texas Instruments	LMV321M7X/NOPB	Operational Amplifier
U3	SOT-23-6	1	LM3880	Mouser	926-LM3880QMF1AANOPB	Texas Instruments	LM3880QMF1AA/NOPB	Simple power sequencer
U5,U6	XDFN4	2	NCP163 3.3 V	Mouser	863-NCP163AMX330TBG	ON Semiconductor	NCP163AMX330TBG	LDO Voltage regulator
U4	XDFN4	1	NCP163 1.8V	Mouser	863-NCP163AMX180TBG	ON Semiconductor	NCP163AMX180TBG	LDO Voltage regulator
U7	4pin 3.2x2.5mm	1	OSC 66.6MHz	Mouser	581-KC3225K66.66C1GE	Kyocera	KC3225K66.6667C1GE00	66.6667Mhz Oscillator

Do Not Place

Designator	Package	Quantity	Designation	Supplier	ref	Company	Type	Description
R4	201	1						