

STEVAl-ISA051V2 Evaluation Board: B.O.M. 20/12/2007
STMicroelectronics

QTY	Component	Description	Package	Part-Number	Manufacturer	Value
Capacitors						
2	C1, C2	Ceramic, 50V, X5R, 20%	SMD 1210	UMK325BJ106KM-T	Taiyo Yuden	10u
2	C3, C4	POSCAP, 4V, 15mΩ, 20%	SMD 7343 (D)	4TPE220MF	Sanyo	220u
1	C5	Ceramic, 6.3V, X5R, 10%	SMD 3216-12		Standard	1u
3	C6, C7, C11	Ceramic, 6.3V, X5R, 10%	SMD 0805	JMK212BJ106KG-T	Taiyo Yuden	10u
1	C8	Ceramic, 50V, X7R, 20%	SMD 0603		Standard	33n
4	C9, C10, C13, C14	Ceramic, 50V, X7R, 20%	SMD 0603		Standard	100n
1	C12	Ceramic, 50V, X7R, 10%	SMD 0805		Standard	100n
1	C15	Ceramic, 50V, X7R, 10%	SMD 0603		Standard	6n8
1	C16	Ceramic, 50V, X7R, 10%	SMD 0603		Standard	680p
1	C17	Ceramic, 20%	SMD 0603		Standard	N.M.
1	C18	Ceramic, 50V, X7R, 10%	SMD 0805		Standard	1n
2	C19, C20	Ceramic, 6.3V, X5R, 10%	SMD 0805	JMK212BJ106KG-T	Taiyo Yuden	N.M.
2	C21, C22	Ceramic, 50V, X7R, 10%	SMD 0603		Standard	100p
Resistors						
1	R1	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	330k
1	R2	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	18k
1	R3	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	1.5k
1	R4	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	3R3
1	R6	Chip Resistor, 0.1W, 1%	SMD 0805		Standard	0
1	R7	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	3R9
1	R8	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	39k
1	R9	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	39k
1	R10	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	0
3	R11, R12, R13	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	100k
1	R14	Chip Resistor, 0.1W, 1%	SMD 0805		Standard	7k5
1	R15	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	6k8
1	R16	Chip Resistor, 0.1W, 1%	SMD 0805		Standard	4R7
1	R17	Chip Resistor, 0.1W, 1%	SMD 0603		Standard	0
Inductors						
1	L1	SMT, 10.6Arms, 4.36mΩ	13.8x13.2mm	MLC1538-152ML	Coilcraft	1.5u
MOSFETs						
1	Q1	N-Channel, 60V	SO-8	STS7NF60L	ST	
1	Q2	N-Channel, 60V	SO-8	STS7NF60L	ST	
Diodes						
1	D1	Schottky, 100V, 0.2A	SOD-323	BAT41J	ST	
1	D2	Schottky, 60V, 1A	DO214-AC	STPS1L60A	ST	
1	D3					N.M.
Integrated Circuits						
1	U1	Controller	QFN-24	PM6670AS	ST	
Connectors and Test-points						
11	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11	Header, single pin				
3	JP1, JP2, JP3	Jumper, 2x3, 100mils				
5	TP1, TP2, TP3, TP4, TP5	Probe clip, 3.5mm				N.M.
1	JP5	PCB pads selector				
1	TP6	Test point				
Switches and jumpers						
1	SW1	Dip switch 2	DIP-2		Standard	