



BILL OF MATERIALS

PRODUCT CODE: EVAL-L9001							Rev		1			All components are "RoHS compliant" and "Automotive Grade"			
PRODUCT NAME: EVAL BOARD FOR L9001							Date		17.05.2019						
CUSTOMER: ST MICROELECTRONICS - AUTOMOTIVE & DISCRETE GROUP							Quantity								

Description	Value	Tolerance	Rating	Specificat	R.F.P.	Ord	Arr	Package	UM	Qty	Designator	Manufacturer	Part Number	Cross Reference	Distributor	Order Code
PRINTED CIRCUIT BOARD	EVAL-L9001								NR	1			EVAL-L9001			
SMD RESISTOR	1k Ohm	5%		AEC-Q200				R0603	NR	2	R10, R20, R22					
SMD RESISTOR	4.7k Ohm	5%		AEC-Q200				R0603	NR	5	R1, R2, R3, R5, R6					
SMD RESISTOR	10k Ohm	5%		AEC-Q200				R0603	NR	1	R15					
SMD RESISTOR	10k Ohm	0.5%		AEC-Q200				R0603	NR	1	R4	VISHAY	CRCW060310K0DHEAP		FN	1713653
SMD RESISTOR	20k Ohm	0.5%		AEC-Q200				R0603	NR	1	R13	PANASONIC	ERJ3RBD2002V		FN	2379988
SMD CERAMIC CAPACITOR	47nF	5%	50V	C0G				C1206	NR	1	C11	TDK	CGA5H2C0G1H473J115AA			
SMD CERAMIC CAPACITOR	68nF	10%	20V	X7R				C0603	NR	1	C6	TDK	CGA3E2X7R1H683K080AA			
SMD CERAMIC CAPACITOR	100nF	10%	40V	X7R				C0603	NR	1	C9	TDK	CGA3E2X7R1H104K080AA			
SMD CERAMIC CAPACITOR	220nF	10%	20V	X7R				C0603	NR	1	C5	TDK	CGA3E3X7R1H224K080AB			
SMD CERAMIC CAPACITOR	1uF	10%	25V	X7R				C0805	NR	1	C1	TDK	CGA4J3X7R1H105K125AB			
SMD CERAMIC CAPACITOR	4.7uF	10%	50V	X7R				C1210	NR	2	C3, C4	TDK	CGA6P3X7R1H475K250AB			
SMD CERAMIC CAPACITOR	22uF	10%	25V	X7R				C1210	NR	1	C7	TDK	CGA6P3X7R1E226M250AB			
SMD CERAMIC CAPACITOR	47uF	10%	16V	X7R				C2220	NR	1	C8	TDK	CGA9N3X7R1C476M230KB			
SMD ELECTROLYTIC CAPACITOR	47uF	20%	50V	AEC-Q200				CAP. 6.3 X 7.7 - SMD	NR	1	C2	PANASONIC	EEE1HA470XP		FN	2326158
SMD INDUCTOR	10uH	20%	2.6A	AEC-Q200				SPM5030-HZ	NR	1	L3	TDK	SPM5030T-100M-HZ			
SMD INDUCTOR	10uH	20%	4.9A	AEC-Q200				SPM6550-HZ	NR	1	L1	TDK	SPM6550T-100M-HZ			
SMD INDUCTOR	22uH	20%	4.6A	AEC-Q200				SPM10040-HZ	NR	1	L2	TDK	SPM10040T-220M-HZ			
SMD DIODE SCHOTTKY	STPS340B-TR			AEC-Q101				DPAK	NR	1	D1	ST MICROELECTRONICS	STPS340B-TR		MO	511-STPS340B-TR
SMD DIODE SCHOTTKY	STPS3L60SY			AEC-Q101				DO-214AB	NR	2	D2, D3	ST MICROELECTRONICS	STPS3L60SY		MO	511-STPS3L60SY
SIMPLE POWER SUPPLY IC WITH MULTIPLE VOLTAGE REGULATORS	L9001			AEC-Q100				PowerSSO-24	NR	1	U1	ST MICROELECTRONICS	L9001			
SOLDER JUMPER - 2 WAYS			2 POLES					JUMP A SALDARE	NR	1	J4					
MALE HEADER 9X1	p. 2.54mm		9 POLES	MALE				SIP9	NR	1	J1					
TEST POINT	4952		1 POLE					4952K	NR	8	J2, J3, J5, J6, J7, J8, J9, J10	KEystone	4952		FN	3723240

INFORMATION ABOUT MECHANICAL PARTS

									NR							
									NR							

INFORMATION ABOUT SPARE PARTS

PVC BLISTER (55X82X36mm)	10006								NR	1		NIADA	10006			
									NR							
									NR							

Legend:

FN=Farnell, RS=RS Components, MO=Mouser, DK=Digikey, AR=Arrow, AX=AvNet Express, NW=Newark, OL=ON Line componets

A = Automotive and Aeronautical, I = Industrial, C = Commercial