

LISTA COMPONENTI-BILL OF MATERIALS

PRODUCT NAME: L9177 DEMO BOARD	Date	03.10.2016
CUSTOMER: ST MICROELECTRONICS	Quantity	

Description	Value	Tolerance	Rating	Specificat	R.F.P.	Ord	Arr	Package	Manufacturer	Part Number	Cross Reference	Distributor	Order Code	UM	Qty	Designator	Notes
PRINTED CIRCUIT BORAD	ASD669A-D_R0				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		ASDPCB	ASD669A-D_R0				NR	1		
SMD RESISTOR	1k Ohm	5%			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R0805-RS						NR	3	R2, R28, R34	
SMD RESISTOR	2k Ohm	1%			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R0603-RS	PANASONIC	ERJPA3F2001V		FN	2335870	NR	18	R4, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R17, R18, R19, R30, R31, R32, R33	
SMD RESISTOR	4,7k Ohm	5%			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R0805-RS						NR	1	R1	
SMD RESISTOR	10k Ohm	1%			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R1206-RS	VISHAY	CRCW120610K0FKEB		FN	2371600	NR	5	R5, R21, R24, R25, R26	
SMD RESISTOR	20k Ohm	1%			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R1206-RS	WELWYN	WCRI206-20KFI		FN	1100226	NR	1	R3	
SMD RESISTOR	33k Ohm	5%			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	R1206-RS	VISHAY	CRCW120633K0JNEA		FN	1540020	NR	2	R22, R23	
MULTITURNS TRIMMER - 25 TURN S	1k Ohm	10%			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3299W	BOURNS	3299W-1-102LF		FN	9353690	NR	2	R27, R29	
SMD CERAMIC CAPACITOR	100pF	10%	100V	X7R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C0603-B	MULTICOMP	MCSH18B101K101CT		FN	1856386	NR	3	C24, C27, C28	
SMD CERAMIC CAPACITOR	470pF	10%	100V	X7R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C0603-B	WALSIN	0603B471K101CT		FN	2496858	NR	3	C25, C26, C29	
SMD CERAMIC CAPACITOR	10nF	10%	50V	X7R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C0603-B						NR	13	C9, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23	
SMD CERAMIC CAPACITOR	100nF	10%	50V	X7R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C0603-B						NR	7	C3, C5, C10, C30, C31, C32, C33	
SMD CERAMIC CAPACITOR	2,2uF	10%	50V	X7R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C1206-B	MURATA	GRM31CR71H225KA88L		FN	1797017	NR	2	C1, C2	
SMD CERAMIC CAPACITOR	4,7uF	10%	50V	X7R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C1210-B	KEMET	C1210C475K5RACTU		FN	1358511	NR	1	C6	
SMD CERAMIC CAPACITOR	22uF	20%	25V	X7R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	C1812-B	TDK	CGA8PIX7R1E226M250KC		FN	2435494	NR	2	C4, C11	
SMD POLARIZED RADIAL CAPACITOR	22uF	20%	50V		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CAP 6.3X5.4 - SMD	PANASONIC	EEEFK1H220P		FN	9695915	NR	1	C8	
SMD POLARIZED RADIAL CAPACITOR	220uF	20%	50V		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CAP 10X10.2 - SMD	PANASONIC	EEEFK1H221P		FN	9695966	NR	1	C7	
SMD INDUCTOR	3,9uH	30%	6,7Ah		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SLF12575	TDK	SLF12575T-3R9N-PF		MO RS	810-SLF12575T-3R9N 741-3368	NR	1	L1	
SMD DIODE LED - RED				RED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0805 LED						NR	1	D2	
SMD DIODE LED - GREEN				GREEN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0805 LED						NR	1	D1	
SMD DIODE SCHOTTKY	STPS3L40S		40V/3Ah		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SMC	ST MICROELECTRONICS	STPS3L40S		FN	2353680	NR	1	D4	
SMD TVS DIODE	SMAJ33CA-TR				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SMA	ST MICROELECTRONICS	SMAJ33CA-TR		FN	9802843	NR	1	D3	
TEST POINT - RING					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TEST POINT						NR	6	TP40, TP41, TP50, TP51, TP52, TP53	
SMD TEST POINT	S1751-46R				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	S1751-46R	HARWIN	S1751-46R		FN	2293786	NR	47	TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32, TP33, TP34, TP35, TP36, TP37, TP38, TP39, TP42, TP43, TP44, TP45, TP46, TP47, TP48, TP49	
HEADER 2X1	p. 2,54mm		2 POLES	MALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SIP2						NR	8	J1, J3, J8, J15, J19, J21, J22, J26	
HEADER 3X1	p. 2,54mm		3 POLES	MALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SIP3						NR	2	J11, J13	
POLARIZED HEADER 3X1	p. 2,54mm		3 POLES	MALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SIP3 - CON ALETTA	EXCON	254103WV054				NR	1	J16	
HEADER 28X1	p. 2,54mm		28 POLES	MALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SIP28						NR	1	J9	
HEADER 36X4	p. 2,54mm		144 POLES	FEMALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IDC36X4	SAMTEC	ESQ-136-12-G-D		FN	1769255	NR	2	J20_1, J20_2	
CONNECTOR CART (SHORT) - 2 POLES	p. 5,08mm		2 POLES	SHORT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CON2						NR	10	J2, J4, J5, J6, J7, J10, J12, J14, J23, J25	
CONNECTOR CART (SHORT) - 4 POLES	p. 5,08mm		4 POLES	SHORT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CON4						NR	2	J18, J24	
CONNECTOR CART (SHORT) - 10 POLES	p. 5,08mm		10 POLES	SHORT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CON10						NR	1	J17	
SMD TRANSISTOR IGBT	STGD18N40LZT4				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DPAK	ST MICROELECTRONICS	STGD18N40LZT4		RS	795-9019	NR	2	Q1, Q2	
MICROCHIP	L9177A				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	TQFP64 (10x10) 0.5 pitch - EXPAD (7.5x7.5)	ST MICROELECTRONICS	L9177A				NR	1	U1	PROVIDED BY CUSTOMER

INFORMATION ABOUT MECHANICAL PARTS

HEXAGONAL NYLON SPACER - h=10,0mm F/F	h=10,0mm			FEMALE/ FEMALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							NR	4	PACKED IN A BAG		
HEXAGONAL NYLON SPACER - h=8,0mm M/F	h=8,0mm			MALE/ FEMALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							NR	4			
NYLON WASHER - S=1,0mm / d=6,0mm	S=1,0mm / d=6,0mm				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							NR	4			
SCREW M3x6mm	M3x6mm			Pozidriv Pan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		DURATOOL	M36 PRSTMCZ100-		FN	1419986	NR	4			

INFORMATION ABOUT SPARE PARTS

CONFIGURATION JUMPER	p. 2,54mm		2 POLES	FEMALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							NR	10	PACKET IN A BAG	
CONNECTOR FEMALE 3 POLES (BIANCO PER SIP CON SPALLINA)	254103HA054		3 POLES	FEMALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		EXCON	254103HA054				NR	1	PACKET IN A BAG	
PIN FOR CONNECTOR EXCON	254100TC351		1 POLE		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		EXCON	254100TC351				NR	3		

Legend:  
 FN=Farnell, RS=RS Components, MO=Mouser, DK=Digkey, AR=Arrow, AX=AvNet Express, NW=Newark, OL=ON Line componets  
 A = Automotive and Aeronautical, I = Industrial, C = Commercial