

Bill of Materials

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Source Data From: L9788_demo_v1.2.PriPCB
 Project: L9788_demo_v1.1.PriPCB
 Variant: None

Creation Date: 2017/2/20 9:42:07
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Designator	Description	Footprint	Comment	#Column Name Error:Rate	#Column Name Error:Manufacturer	Item Name Error:Rate	Quantity	单价	金额	备注
C1, C2, C3, C4	Capacitor	1210C	10uF				4	1	4	
C5, C6, C10, C14, C15, C16, C68	Capacitor	0805C	100nF	C14 NC			7	0.06	0.42	
C7	Capacitor	0603C	47nF				1	0.05	0.05	
C8, C9, C18, C74	Capacitor	1206C	10uF				4	0.5	2	
C11	Capacitor	10X10PC	100uF				1	0.5	0.5	
C12, C13, C17, C77, C78, C79	Capacitor	0603C	NC	NC			6		0	
C19	Capacitor	1206C	NC	NC			1		0	
C20, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C65, C80, C81, C82	Capacitor	0603C	4.7nF				31	0.05	1.55	
C21, C22, C23, C24, C60, C61, C62	Capacitor	0603C	100nF				7	0.05	0.35	
C25, C26, C27	Capacitor	0805C	0.47uF				3	0.15	0.45	
C28, C29, C30, C31, C32, C33	Capacitor	0603C	1.5nF	100V			6	0.15	0.9	
C63	Capacitor	0603C	220pF	100V			1	0.15	0.15	
C64	Capacitor	0603C	680pF	100V			1	0.15	0.15	
C66, C71	Capacitor	0603C	100pF	200V			2	0.15	0.3	
C67, C69, C70	Capacitor	0603C	470pF	100V			3	0.15	0.45	
C72	Capacitor	0603C	1nF	100V			1	0.15	0.15	
C73	Capacitor	0805C	NC	NC			1		0	
C75, C76	Capacitor	0603C	47pF	100V			2	0.15	0.3	
D1	Default Diode	SMC_M	STTH4R02				1		0	ST
D2	Default Diode	SMC_SOD123	STPS3L60				1		0	ST
D3, D5, D26, D27	Zener Diode	SMB	TVS	SM6T36AY D3/D26			4		0	ST
D4	Default Diode	SMB	STPS3L60	SM6T15AY D5/D27			1		0	ST
D6		LED-A	VB				1	0.5	0.5	红
D7		LED-A	KEY				1	0.5	0.5	红
D8		LED-A	WAKE				1	5	5	红
D9		LED-A	VDD5				1	0.5	0.5	红
D10, D11, D12, D13, D14, D15, D16, D17, D18, D20, D21, D22, D23	Default Diode	SMB	STPS2H100	D15, D16, D17, D18, D20, D21, D22, D23 NC			13		0	ST
D19	High Conductance Fast	SOD323	BAS40				1	0.5	0.5	
D24, D25		SOT-23	Transil_Bi_Dual	ESDCAN01-2BLY			2		0	ST
J1	Connector	DG35-2	PWR SUPPLY				1	1.5	1.5	
J2	Connector	DG128-5.0-4	Regulators				1	2	2	
J3	Connector	DG128-5.0-5	KEY_WAKE				1	2.5	2.5	
J4	Connector	DG128-5.0-6	IGN_OUT				1	3	3	
J5	Connector	DG128-5.0-5	PR-DRIVER				1	2.5	2.5	
J6	Connector	DG128-5.0-8	STR HS/L5				1	4	4	
J7, J8	Connector	DG128-5.0-2	INJ_DRIVER				2	1	2	
J9	Connector	DG128-5.0-5	RLY-DRIVER				1	2.5	2.5	
J10	Connector	DG128-5.0-4	O2H				1	2	2	
J11	Connector	DG128-5.0-2	LED_DRIVER				1	1	1	
J12	Connector	DG128-5.0-2	SOL_DRIVER				1	1	1	
J13	Connector	HDR45	CAN/KLIN				1	0.3	0.3	
J14	Connector	DG128-5.0-4	VRS/Hall				1	2	2	
J15		HDR36X4	HEADER 36X4				1	16	16	
JP1		SIP2	WAKE_IN				1	0.08	0.08	
JP2		SIP2	VB_STBY				1	0.08	0.08	
JP3		SIP3	IGN2				1	0.12	0.12	
JP4, JP6		SIP3	IGN3				2	0.12	0.24	
JP5, JP7		SIP3	IGN4				2	0.12	0.24	
JP8		SIP3	IGN1				1	0.12	0.12	
JP9		SIP2	SEO_INJ				1	0.08	0.08	
JP10		SIP2	SEO_TM_INTERNAL				1	0.08	0.08	
JP11		SIP2	EN_P				1	0.08	0.08	
JP12		SIP2	EN_N				1	0.08	0.08	
JP13		SIP2	VDD_CAN				1	0.08	0.08	
JP14		SIP3	VDDIO				1	0.12	0.12	
JP15		SIP2	VB_CAN				1	0.08	0.08	
JP16		SIP2	CAN_TX				1	0.08	0.08	
JP17		SIP2	CAN_RX				1	0.08	0.08	
JP18		SIP3	LIN Master/Slave				1	0.12	0.12	
JP19		SIP2	LIN_TX				1	0.08	0.08	
JP20		SIP2	LIN_RX				1	0.08	0.08	
JP21		SIP3	FLW_IN_P				1	0.12	0.12	
JP22		SIP3	FLW_IN_N				1	0.12	0.12	
JP23		SIP2	GND_CAN				1	0.08	0.08	
L1	Inductor	VLP 10X10	10uH				1	16	16	ETQ-P5M100YFK
L2	Inductor	VLP 10X10	22uH				1	10	10	ETQ-P5M220YFM
L3	choke coil	ACT45B	ACT45B-101	NC			1		0	
Q1	N-Channel MOSFET	POWERFLAT_5X6	NVMF5885NL1 BUK9Y40/STL70N4	STL70N4			1	0	0	ST
Q3	N-Channel MOSFET	DPAK(123)	STD20NF06				1		0	ST
Q4, Q5, Q6, Q7, Q8, Q9	Insulated Gate Bipolar Transistor (N-Channel)	DPAK(123)	STGD18N40LZT4				6		0	ST
Q10	N-Channel MOSFET	POWERFLAT_5X6	STL70N4LLF5				1		0	ST
Q11, Q12	LFPK Dual N-Channel MOSFET	POWERFLAT_D_5X6	STL15DN4F5				2		0	ST
R1	Resistor	0805R	NC	NC			1		0	
R2	Resistor	1210R	0R				1	0.15	0.15	
R3, R4	Resistor	1206R	NC	NC			2		0	
R5	Resistor	0805R	2R2				1	0.05	0.05	
R6	Resistor	0805R	150K / 100K				1	0.05	0.05	
R7	Resistor	0805R	22K				1	0.05	0.05	
R8	Resistor	0805R	0				1	0.05	0.05	
R9, R10, R56, R67, R68, R69, R70, R71, R72	Resistor	0805R	1K				9	0.05	0.45	
R11, R66, R85, R86	Resistor	0603R	0				4	0.05	0.2	
R12, R13	Resistor	0603R	100K				2	0.05	0.1	
R14, R15, R16	Resistor	0603R	4K7				3	0.05	0.15	
R17	Resistor	0603R	2K2				1	0.05	0.05	
R18, R19, R20, R21, R22, R27	Resistor	0603R	50				6	0.05	0.3	
R23, R24, R25, R26, R28, R29	Resistor	0805R	4K7				6	0.05	0.3	
R30, R33, R34, R37, R40, R43, R52, R53	Resistor	0603R	10K				8	0.05	0.4	
R31, R36, R73, R75, R76, R78, R82	Resistor	0603R	0R	R31, R36 NC			7	0.05	0.35	
R32, R38, R80, R84	Resistor	1206R	0R / R050	0R			4	0.06	0.24	

R35, R39	Resistor	0603R	100R			2	0.05	0.1	
R41, R42, R44, R45, R46, R47	Resistor	0805R	0R	R41, R44, R46 NC		6	0.05	0.3	
R48, R49, R57, R74, R77, R79, R81, R83, R91, R92, R93	Resistor	0603R	1K	R91, R92, R93 NC		11	0.05	0.55	
R50, R51	Resistor	0603R	5K1			2	0.05	0.1	
R54, R55	Resistor	0805R	60R			2	0.05	0.1	
R58, R61	Resistor	1206R	10K 1%			2	0.06	0.12	
R59, R60	Resistor	0805R	33K			2	0.05	0.1	
R62, R63	Resistor	0603R	27K			2	0.05	0.1	
R64, R65	Resistor	0603R	33K			2	0.05	0.1	
R87, R88	Resistor	1206R	10K			2	0.06	0.12	
R94	Resistor	0603R	NC	NC		1		0	
S1		SWITCH (SS-12D00)	KEY_IN			1	0.5	0.5	
TP1		TESTER1	VBAT			1	0.4	0.4	
TP2		TESTER1	VB_IN			1	0.4	0.4	
TP3		TESTER1	VPRE			1	0.4	0.4	
TP4		TESTER1	Boost_G			1	0.4	0.4	
TP5		TESTER1	VDD5			1	0.4	0.4	
TP6		TESTER1	KEY_IN			1	0.4	0.4	
TP7		TESTER1	WAKE_IN			1	0.4	0.4	
TP8		TESTER1	MRD			1	0.4	0.4	
TP9		TESTER1	VTRK1			1	0.4	0.4	
TP10		TESTER1	VB_STBY			1	0.4	0.4	
TP11		TESTER1	VTRK2			1	0.4	0.4	
TP12		TESTER1	VTRK_EXT_MON			1	0.4	0.4	
TP13		TESTER1	VTRK3			1	0.4	0.4	
TP14		TESTER1	IGN3			1	0.4	0.4	
TP15		TESTER1	IGN2			1	0.4	0.4	
TP16		TESTER1	IGN4			1	0.4	0.4	
TP17		TESTER1	IGN5			1	0.4	0.4	
TP18		TESTER1	IGN6			1	0.4	0.4	
TP19		TESTER1	IGN1			1	0.4	0.4	
TP20		TESTER1	DRN1			1	0.4	0.4	
TP21		TESTER1	DRN2			1	0.4	0.4	
TP22		TESTER1	GATE1			1	0.4	0.4	
TP23		TESTER1	DRN3			1	0.4	0.4	
TP24		TESTER1	GATE2			1	0.4	0.4	
TP25		TESTER1	DRN4			1	0.4	0.4	
TP26		TESTER1	GATE3			1	0.4	0.4	
TP27		TESTER1	MSC_EN			1	0.4	0.4	
TP28		TESTER1	DRN5			1	0.4	0.4	
TP29		TESTER1	MSC_CK_P			1	0.4	0.4	
TP30		TESTER1	GATE4			1	0.4	0.4	
TP31		TESTER1	MSC_CK_N			1	0.4	0.4	
TP32		TESTER1	GATE5			1	0.4	0.4	
TP33		TESTER1	MSC_DI_P			1	0.4	0.4	
TP34		TESTER1	MSC_DI_N			1	0.4	0.4	
TP35		TESTER1	MSC_DO			1	0.4	0.4	
TP36		TESTER1	STR1_DRN			1	0.4	0.4	
TP37		TESTER1	WDA			1	0.4	0.4	
TP38		TESTER1	STR1_SRC			1	0.4	0.4	
TP39		TESTER1	STR2_DRN			1	0.4	0.4	
TP40		TESTER1	SEO_OUT			1	0.4	0.4	
TP41		TESTER1	STR2_SRC			1	0.4	0.4	
TP42		TESTER1	STR3_DRN			1	0.4	0.4	
TP43		TESTER1	STR3_SRC			1	0.4	0.4	
TP44		TESTER1	INJ1			1	0.4	0.4	
TP45		TESTER1	INJ_ENA			1	0.4	0.4	
TP46		TESTER1	INJ2			1	0.4	0.4	
TP47		TESTER1	EN_N			1	0.4	0.4	
TP48		TESTER1	INJ3			1	0.4	0.4	
TP49		TESTER1	EN_P			1	0.4	0.4	
TP50		TESTER1	INJ4			1	0.4	0.4	
TP51		TESTER1	O2H1A			1	0.4	0.4	
TP52		TESTER1	TM_INTERNAL			1	0.4	0.4	
TP54		TESTER1	O2H2_CURR_SENSE			1	0.4	0.4	
TP55		TESTER1	O2H2A			1	0.4	0.4	
TP56		TESTER1	O2H1_CURR_SENSE			1	0.4	0.4	
TP58		TESTER1	SOL1			1	0.4	0.4	
TP59		TESTER1	SOL2			1	0.4	0.4	
TP60		TESTER1	RLY1			1	0.4	0.4	
TP61		TESTER1	RLY2			1	0.4	0.4	
TP62		TESTER1	RLY3			1	0.4	0.4	
TP63		TESTER1	RLY4			1	0.4	0.4	
TP64		TESTER1	RLY5			1	0.4	0.4	
TP65		TESTER1	LED1			1	0.4	0.4	
TP66		TESTER1	LED2			1	0.4	0.4	
TP67		TESTER1	RSTN			1	0.4	0.4	
TP68		TESTER1	RSTC			1	0.4	0.4	
TP69		TESTER1	LIN			1	0.4	0.4	
TP70		TESTER1	TESTMODE3			1	0.4	0.4	
TP72		TESTER1	E_F_DGA			1	0.4	0.4	
TP73		TESTER1	E_F_DGB			1	0.4	0.4	
TP75		TESTER1	CANL			1	0.4	0.4	
TP77		TESTER1	CANH			1	0.4	0.4	
TP71, TP74, TP76, TP78, TP90, TP91, TP92		TESTER1	GND			7	0.4	2.8	
U1		eTQFP100	L9788			1		0	ST
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Approved	Notes