



Title		
Size A3	Number	Revision
Date:	4.30.2021	Sheet of
File:	E:\my_work\if232h.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
cap0603	Capacitor 0603 inch	C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C24, C25, C26, C27, C34, C35, C36, C37, C38, C39, C40, C47, C48, C49	SM0603_3D_cap	cap0603	35
cap0805	Capacitor	C22, C23	SM0805	cap0805	2
cap1206	Capacitor	C28, C29, C30, C31, C32, C33, C41, C42, C43, C44, C45, C46	SM1206	cap1206	12
STPS1150A	DIODE SCHOTTKY 150V 1A SMA	D1, D2	SMA	STPS1150A	2
1N4148X-TP	DIODE SWITCHING 75V 0.3A SOD-523	D3	SOD-523	1N4148X-TP	1
Fuse_0805	FUSE 0805 RESETTABLE PTC 6V 500MA	F1, F2, F3	MF-PSMF050X-2	Fuse_0805	3
FT232HL-REEL	Integrated Circuit	IC1	QFP50P900X900X160-48N	FT232HL-REEL	1
KMMX-BSMT35S-B30TR	Connector	J1	KMMXBSMT35SB30TR	KMMX-BSMT35S-B30TR	1
1x2PLS		K1, K2	JUMPER2	1x2PLS	2
75R@100MHz	chip inductance 0603	L1, L2, L3, L7, L8, L11	SM0603_3D_res		6
100uH	INDUCTOR 100uH 8040 1A 290mOhm	L4	WE-LQS_8040	inductance_8040	1
3.3uH	INDUCTOR 3.3uH 0805 ±20% 1A	L5, L10	WE 74479775233	Inductor_0805	2
1mH	INDUCTOR 1mH ±30% 140mA	L6, L9	WE-TPC_4828	inductor_4828	2
2x20 2.54mm vertical	Header, 40-Pin	P1	PLD-40	2x20 2.54mm vertical	1
FMMT495TA	TRANSISTOR NPN 150V 1A AEC-Q101 SOT-23	Q1	SOT-23-3	FMMT495TA	1
CSD19538Q3A	MOSFET N 100V 5A	Q2	DNH0008A	CSD19538Q3A	1
FMMT596TA	TRANSISTOR PNP 200V 0.3A SOT-23	Q3	SOT-23-3	FMMT596TA	1
150	Res_0603_EU	R1, R2, R3, R4, R5, R6, R7	SM0603_3D_res		7
10k	Res_0603_EU	R8, R12, R19	SM0603_3D_res		3
12k1%	Res_0603_EU	R9	SM0603_3D_res		1
0	Res_0603_EU	R10, R16	SM0603_3D_res		2
68k	Res_0603_EU	R11	SM0603_3D_res		1
20	Res_0603_EU	R13	SM0603_3D_res		1
100k	Res_0603_EU	R14, R17	SM0603_3D_res		2
200	Res_0603_EU	R15	SM0603_3D_res		1
4k7	Res_0603_EU	R18, R22	SM0603_3D_res		2
50mR	RESISTOR 0.05R 2010 1%	R20	RES 2010/5025	Res_SMT_2010	1
294k	Res_0603_EU	R21	SM0603_3D_res		1
47	Res_0603_EU	R23	SM0603_3D_res		1
Ido	SOT89-3 Ido	U1	SOT89-150P409X160-3N	LM1117-XX-SOT89-3	1
LM3478MMX/NOPB	DC/DC Controller 2.97V to 40V Input	U2	MSOP8	LM3478MMX/NOPB	1
MCP4811-E/MC	DAC 1-CH 10-bit DFN-8	U3	DFN-8	MCP4811-E/MC	1
C5S-12.000-12-3030-X	Crystal or Oscillator	Y1	C5S	C5S-12.000-12-3030-X	1