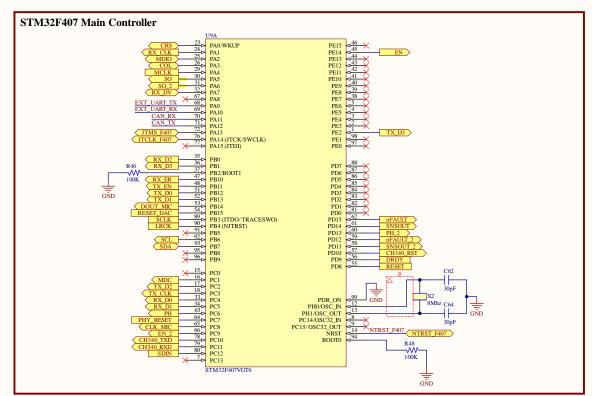
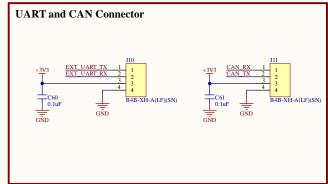
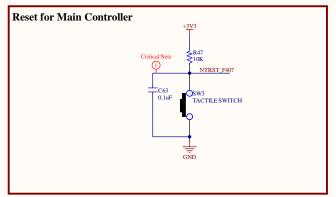


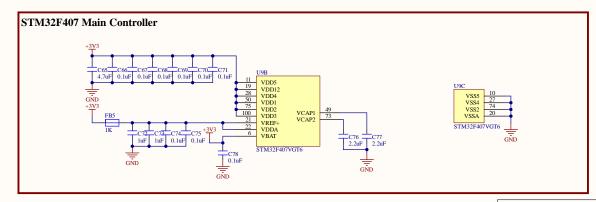
2 3 4 5 6 7 8

[10] STM32F407 MAIN CONTROLLER









TITLE: STM32 Mixed-Signal Board

DOCUMENT NAME: STM32F407 Controller.SchDoc

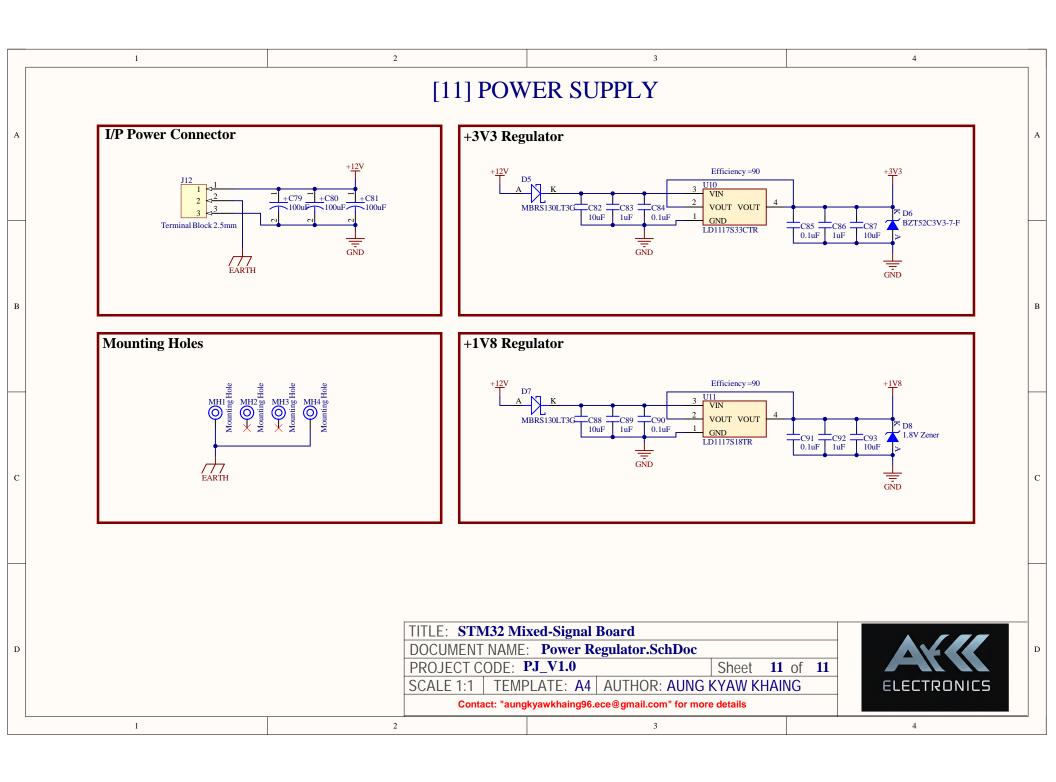
PROJECT CODE: PJ_V1.0 Sheet 10 of 11

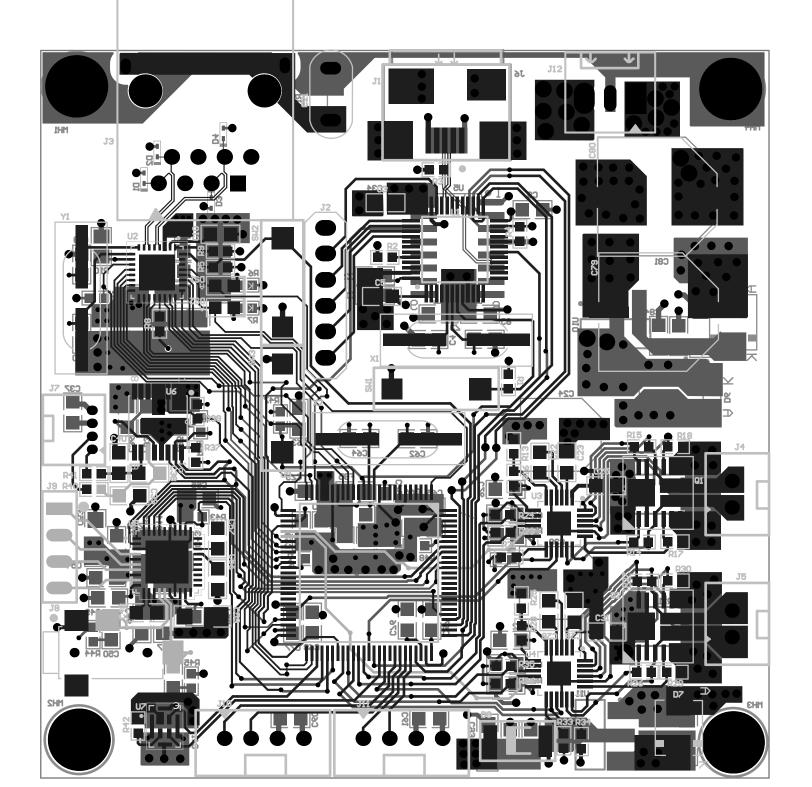
SCALE 1:1 TEMPLATE: A3 AUTHOR: AUNG KYAW KHAING

Contact: "aungkyawkhaing96.ece@gmail.com" for more details



3 4 5 6 7





	6.7uF +30% GNI	Designator	Contract	Liber	CURREY
t 7uF	63jF wton Sov Ceramic Capacitor 858-8805 (2012 Medic)	C1, G46	CHP_SMS	CAP_47uF-Sov-rosu- tisos	L
116	0.156 silt. StV Ceramic Capacitor 878-3805 (2012 Metric), 0.156 silts. StV Ceramic Capacitor 878-0805 (2012 Metric)	C2, C3, C5, C9, C13, C16, C12, C15, C18, C11, C18, C15, C16, C17, C18, C11, C16, C17, C18, C11, C16, C15, C10, C11, C11, C16, C12, C14, C16, C17, C18, C16, C10, C17, C18, C16, C11, C16, C16, C16, C16, C16, C16, C16, C16, C16, C16, C16,	280,003	DAP_016F-SOV-ON- BBS, CAP_016F-SOV- ION-ORSS	
inpl	unds SOV Ceramic Capacitor COG, NPO 3805/2012 Metric	04,06,062,064	CAP_DESS	CAP_30pE-50V-10%- 5805	
nuli	tyf eShi Stir Ceramic Capacitor X78 0805 (2012 Milrotc)	67, C12, C17, C12, C34, C17, C19, C12, C13, C42, C43, C47, C31, C42, C43, C47, C72, C32, C34, C34, C92	CHP_DRES	CAP_NET GOV SIN- SINGS	
novi	tocoops atom Sov Geramic Capacitor ICR 0906 (2012	CR, C14, C15, C39, C40	CAP_0805	CAP_1016-50V-1016- 0805	
ani	Securic Securic Capacitor KR 8806 (2012	C10	CHP_0805	CAP_26F-GSV-10%	
	Mineric) 10 ₆ F w10% SOV Ceramic Capacitor 678 1006 (20%	C11, C18, C52, C58, C82, C87, C88, C93	CRP_1206	CAP_10uF-SOV-10%	
204	KTR 1006 (2016 Medic) and/s SSV Coromic	C19, C20		CAP_20pF-SOV-1016- teac	
20pl	Capacitor COG, NPO 0805-(2012 Metric) 100000pF +1016, 10000V (1900) Carpamic	(21	CIP_005 CIP_F1%_102007_	CAP_MOSE 18V 10% BAD TH	
1004	(900) Coramic Capacitor X79 Radial 100 ₆ F 20V Aluminum Electrolytic Capacitors Radial, Can - SMO 1000 Hrs 49 100°	04.00	CAP J 196, 302007 6032,8AD 3H ACAP J 236,0305 J G 80,8AD	EAP-P_100uF-20V- 00%-0AD	
	a casys whose say	CS0, CS1	CHP_0805	CAP_20n6-50V-10%	
	Ceramic Capacitor 878-9805 (2012 Metric) 150pF wtots SOV Ceramic Capacitor CDG, NPC-0805 (2012	CS4. CS7	CHP_DRES	CAP_SCOPF-SOV-10%	
nuge				and a	
124	Metric) 2 July + 10% 25V Ceramic Capacitor 979:0905 (2012 Metric)	CN ₁ C77	CHP_0805	CAP_2.216-204-10% SMG	
100.6	Metric) 100yF StV Atuminum Polymer Capacitor Radial, Can - SMD Stincton 6000 Hrs. 69 1051	C74, C80, C81	ACAP_P2ES_0390_H3 NQ_RAD	CAP-P_100uF-50V- DOL-68LD	
ESCENTED ***	8.9V Clamp SA. (8r20µc) lpp Tvs. Diade Surface Mount.	D1, D2, D3, D4	010,500-403	000 T_3 3V 6 8V 000903	
MERSYSOUTSG	SCO-922 Diode Schottky 30V 24 Surface Mount Com	06, 07	010,5149,00-21444	DID-5_865mW-30V-3A SASS	Н
BITSSCOVS-7-6	SMR Zener Diode 1 2V SXDnW eith Surface	in .	010,500-120	000-2,3.3V-600HW- 000-02	
1.8VZener	Mount SOD: 123 Zener Diode 1.9V Stonett vills Surface Mount DO-213AA	cse .	000,00-21388,980	DID-2_1 8V-500HW- DID-13AA	
REDUED	Red 62/10m LED Indication - Discrete 2v 0805/2012 Memo)	061,010	um_mms	ED_8ED-2V-20mA- 0805	
ж	TKONING OF TOOMSE T Power Line Fertite Bead 0805 (2012	FB1, FB2, FB4, FB5	NO_085	FR 18-100M62-1-6A 1905	
USS2 01/8W B	Alectic 1 AA USB - manik USB 2.0 Receptacle Connector 5 Position Surface Mount, Right	21,36	CON JARO 005-244-	CON_USB2.0-MINUS SMD	
Regarip 2.54mm	Angio Argio &Pins, 1 Row 2 Setner Pinch, Straight bengotrig, Female	o	CONN_100_SHERR_TH	DOW-85-SKT_689-100 67-TH	
RISLAN	BPins, 2Row 2 Senso Pinch, right angle	a	CONVER PROS. RISES, T	CON-SKT-RL SCOP-RA	
	Connector, male 2 Pins, 1 Row 2 Semm			D0N-P1G_201-100-ST	
R2D HH-ASE/(SM)	Risch, Straight Connector, male	м. Ж	CONU_100_609-XXH A_TH_ST	DH .	
1.29/M/Spade-6PW	ePins, 18ou 125mm Fisch, right angle Connector, male	a	CON4_50_650001173 32_TH_RR	009-916_001-60-8A- DH	
en 51960	2 Samm (3 DHF, 3/27, Sub-Mini, Miniature)— Headphone Phone Jack Stereo (4 Conductor, 1986)	as a	CON SI 2500A GME- TR, SMO	DON-PLG- STEREO_001-100-RA- BARD	
extagac step	Connector Solder &Pins, 1 Row 2 Senn Risch, Straight bengstrip, Male	,n	CON4_100_40072_TH ST_MMLE	009-85-910_60-100 67-TH	
BEB HIT ALL YES	ePins, 18oy 2 Senm	210, 211	CONNECTOR AND	CON-PLS_601-100-57-	
	Connector, male	710,711	A,TH,ST	ЭН	_
	10im 10nu 15tene				
Terminal Black 3 Smm	3 Pins, 1 Row 2 Sénor Pisch, straight Connector, male	10	CONG_100_T0_TH_ST	009-19_0x+100-st- 194	
2.5mm Mounting Hole	Connector, male	MHI, MHZ, MHZ, MH	MOUNTING	IH MH_1SH_6D	
).Smm	Connector, male Mounting Hole Moute Array 4 N- Channel BA (Ta) Surface Mount V- DEMOSE: 12	MRT, MRC, MRG, MRG	MOUNTING DIVERSE 12,32,710,370115,584 Q,1	DH MN_35H_AD MDSFET N_ADV GA V- DENSORS 12	
2.5mm Mounting Hole	Connector, male Mounting Role Mouthing Role Mouth Array 4 N- Channel RA (Ta) Surface Mount V- DEMONE VIV. DEMONE V	MH1 (MH2) MH2 (MH2)	MICHITING DEVELOPE 12,312,710,20115,5M D_1 MIS_GMID	TH MH_1 SH_4D MGFT N _42V-SH-V-SHIGHS 12 SHIGHS 12 SHIGHS 12 SHIGHS SHIGH	
2.5mm Mounting Hole	Connector, male Mounting Role Mounting Role Mounting Role Surface Mount V- DE-MOSE 12 SI ADMINISTRATION OF MOUNTING SI ADMINISTRATION OF MOUNTING SI ADMINISTRATION OF THE STATE SI ADMINI	MRT, MRC, MRG, MRG	MOUNTING DIVERSE 12,32,710,370115,584 Q,1	5H 1.5H 6D MOSFET N 30V-98-V- DREDGES 12 805, 10X-0.78I-78- 3600 805, 10X-0.78I-78- 3600	
2.5mm Mounting Hole	Connector, male Mexaning Robe Mexaning Robe Mexaning Har, Carlot Areasy 414 Channes Har, Call Carlot Mexani V Li Kühnes 414 Channes 414 Ch	MH1 (MH2) MH2 (MH2)	MICHITING DEVELOPE 12,312,710,20115,5M D_1 MIS_GMID	TH MH_1 SH_4D MGFT N _42V-SH-V-SHIGHS 12 SHIGHS 12 SHIGHS 12 SHIGHS SHIGH	
2.5mm Mounting Hole	Conceding reals Mounting likelie Mountin	01, 02 01, 02 01, 02 01, 02, 03, 00, 00, 011, 014, 015, 107, 010, 011, 017, 020, 020, 021, 021, 020, 020, 021, 021, 020, 020, 021, 024, 025, 020, 021, 024, 025, 021, 021, 024, 025, 021, 027, 028, 027, 021, 027, 028, 027, 021, 027, 028, 027, 021, 027, 028, 029,	MICHITING DEVELOPE 12,312,710,20115,5M D_1 MIS_GMID	5H 1.5H 6D MOSFET N 30V-98-V- DREDGES 12 805, 10X-0.78I-78- 3600 805, 10X-0.78I-78- 3600	
2.5mm Mounting Hole	Connecting male Assistance (1) Assistance (1	01, 02 01, 02 01, 02 01, 02, 03, 00, 00, 011, 014, 015, 107, 010, 011, 017, 020, 020, 021, 021, 020, 020, 021, 021, 020, 020, 021, 024, 025, 020, 021, 024, 025, 021, 021, 024, 025, 021, 027, 028, 027, 021, 027, 028, 027, 021, 027, 028, 027, 021, 027, 028, 029,	MICHITING DEVELOPE 12,312,710,20115,5M D_1 MIS_GMID	5H 1.5H 6D MOSFET N 30V-98-V- DREDGES 12 805, 10X-0.78I-78- 3600 805, 10X-0.78I-78- 3600	
2.5mm Mounting Hole	Connecting male Assistance (1) Assistance (1	Mart Mar 2 Mart Mar 2 Mart Mar 2 Mar	MELANTHIG STREETS 12, 21, 740, 70195, 544 615, 6460 605, 6460 605, 6460 605, 6460 605, 6460	34 (150, 40 M) (15	
J. Geom. Mills unring State FEARINGER.	Connection, male Manufally Male Ma	5841, 5842, 5840, 5841 501, 502 501, 502 500 500 501 501, 502 500 500 501 501, 502 500 500 501 501, 502 500 501 503, 502 500 501 503, 502 500 503, 5	MELANTING DEPENDENT 12,22,700,20015,040 MEL,0400 MEL,0400 MEL,0400 MEL,0400	34 ME, 154, 40 ME,	
J. Geom. Mills unring State FEARINGER.	Commoditor, male Manufacing History Manufaci	1441 1442 1440 1460 1460 1460 1460 1460 1460 1460	600,000 601,000 601,000 601,000 601,000 601,000 601,000 601,000 601,000	14 (L. 104, 104 -	
J. Geom. Mills unring State FEARINGER.	Commodition (male) Monathing Male (Manager Male) Monathing Male (Male) Monathing Male) Monathing Male) Monathing Male (Male) Monathing Male) Monathing Male) Monathing Male (Male) Monathing Male) Monat	1841 1862 1860, 1864 Or. G2 181, 02 56 1853 181, 02 56	MELANTHIG STREETS 12, 21, 740, 70195, 544 615, 6460 605, 6460 605, 6460 605, 6460 605, 6460	19 MI, 184, 500 MI V MI 184, 500 MI 184	
J. Geom. Mills unring State FEARINGER.	Commodition (male) Monathing Male (Manager Male) Monathing Male (Male) Monathing Male) Monathing Male) Monathing Male (Male) Monathing Male) Monathing Male) Monathing Male (Male) Monathing Male) Monat	1841 1862 1860, 1864 Or. G2 181, 02 56 1853 181, 02 56	#05,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040	194 M. 1, 100 pt 20 M. 2, 100	
100 100 100 100 100 100 100 100 100 100	Secretary and Se	Act 1822 Med 1846 (1922 Act 1822 Act 18	600/06/2006 61,207 61,207 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200	\$1	
J. Geom. Mills unring State FEARINGER.	Secretary and Se	Ser. 150, 150, 150, 150, 150, 150, 150, 150,	#05,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040 #01,040	194 M. 1, 100 pt 20 M. 2, 100	
100 100 100 100 100 100 100 100 100 100	Secretary and Se	Ser. 150, 150, 150, 150, 150, 150, 150, 150,	600/06/2006 61,207 61,207 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200 61,200	\$1	
Commonwell	Section 2012 Annual Process of the Control of the C	Ser. 150, 150, 150, 150, 150, 150, 150, 150,	600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006 600/06/2006	\$1,000,000,000,000,000,000,000,000,000,0	
Commonwell	Section 2012 Annual Process of the Control of the C	Ser. 150, 150, 150, 150, 150, 150, 150, 150,	60000000000000000000000000000000000000	\$1,000,000,000,000,000,000,000,000,000,0	
Total	Secretary and Control of Control	60 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	### ##################################	10 MONTH (1,400 MA) AND	
CONTROL OF THE CONTROL OF T	Section 2016 Annual Process of the Control of the C	20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	### ##################################	10 (1.5 (1.5 (1.5 (1.5 (1.5 (1.5 (1.5 (1.5	
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