

LED's

R2 4.7K, 1% USART3_RX

R5 4.7K, 1% USART3_TX

R6 1K, 1% GND

BOOT1

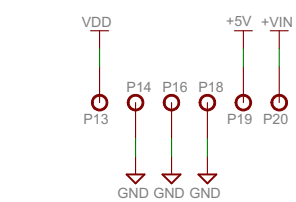
ED-PWR R12 680,1% Power LED1 LTST-S220KGKT LED_GREEN, RA

ED-PTT R13 680,1% PTT LED2 LTST-S220KRKT LED_RED, RA

ED-RT R15 680,1% Sync LED3 LTST-S220KGKT LED_GREEN, RA

ED-ERR R16 680,1% Clip/Error LED4 LTST-S220KRKT LED_RED, RA

GND



	U1A	STM32F405VGT6	
1nF, 25V/0402 C3	23 PA0	97 PE0	P5
GND	24 PA1	98 PE1	P6
1nF, 25V/0402 C5	25 PA2	1 PE2	P7
GND	26 PA3	2 PE3	P8
DAC1_OUT R55 0 Ohm	29 PA4	3 PE4	
DAC2_OUT R54 0 Ohm	30 PA5	4 PE5	
	31 PA6	5 PE6	
	32 PA7	38 PE7	
SCL3 67	PA8	39 PE8	
VBUS 68	PA9	40 PE9	
OTG_ID 69	PA10	41 PE10	
OTG_DM 70	PA11	42 PE11	
OTG_DP 71	PA12	43 PE12	
SWDIO 72	PA13	44 PE13	
SWCLK 76	PA14	45 PE14	
NSS 77	PA15	46 PE15	
P9			
	35 PB0	81 PD0 SELECT	
	36 PB1	82 PD1 BACK	
BOOT1 37	PB2	83 PD2	
	89 PB3	84 PD3	
	90 PB4	85 PD4 OTG_OVR_CUR	
	91 PB5	86 PD5	
	92 PB6	87 PD6 BOOT0	
	93 PB7	88 PD7 EXT-PTT	
	95 PB8	55 PD8 TEST	
	96 PB9	56 PD9 CPPT	
USART3_TX 47	PB10	PD10 57	
USART3_RX 48	PB11	PD11 58	
	51 PB12	PD12 59 LED-PWR	
	52 PB13	PD13 60 LED-PTT	
	53 PB14	PD14 61 LED-RST	
	54 PB15	PD15 62 LED-ERR	
OTG_PWR_ON 15	PC0		
16	PC1		
17	PC2	PH0 12 OSC_IN	
18	PC3	PH1 13 OSC_OUT	
33	PC4		
34	PC5		
63	PC6	PC14 8	
64	PC7	PC15 9	
65	PC8		
SDA3 66	PC9		
	78		
P10 SCK	PC10	NRST 14 NRST	
P11 MISO	79		
P12 MOSI	80		
	7		
	PC13	BOOT0 94 BOOT0	

NOTE: SW1 HELD ON POWER UP FORCES BOOT TO SYSTEM MEMORY (STLINK)

3.3V TTL Levels

CN11 HDR100-3

USART3_TX

USART3_RX

1

2

3

GND

U10
DNL
24LC256-I/M5

1 A0 VCC 8 VDD
2 A1 WP 7 GND
3 A2 SCL 6 SDA
4 GND SDA 5 GND

ADDR: 0xA0

R61 DNL 4.7K 1%
R62 DNL 4.7K 1%

SPKR1
SPKR-HY4004M-001

PCB1
SM1000D
PRINTED CIRCUIT BOARD

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ROWETEL

TITLE: SmartMic Circuit Board

Document
Number: SM1000-F

REV: F

Date: 12/11/2015 8:05:20 AM

Sheet: 1/2

DATE	REVISION	ECN	REV	BY
09/27/15	Rev E. -> Rev F CHANGES ADD R& JMPR IN PARALLEL WITH R48. CHANGE GROUNDING ON CN13. POTS FISED FOR CW ROTATION. ADD PADS FOR USING RIG POWER. CN12 -> .3" DIL FOR EASIER CONFIG. CHANGE R48 & R60 FOR USER CHANGE. ADD EEPROM FOR PERSISTENT MEMORY		F	RGB
12/10/15	REMOVE GND FROM SW1 & SW3 FRAME.		F	RGB

