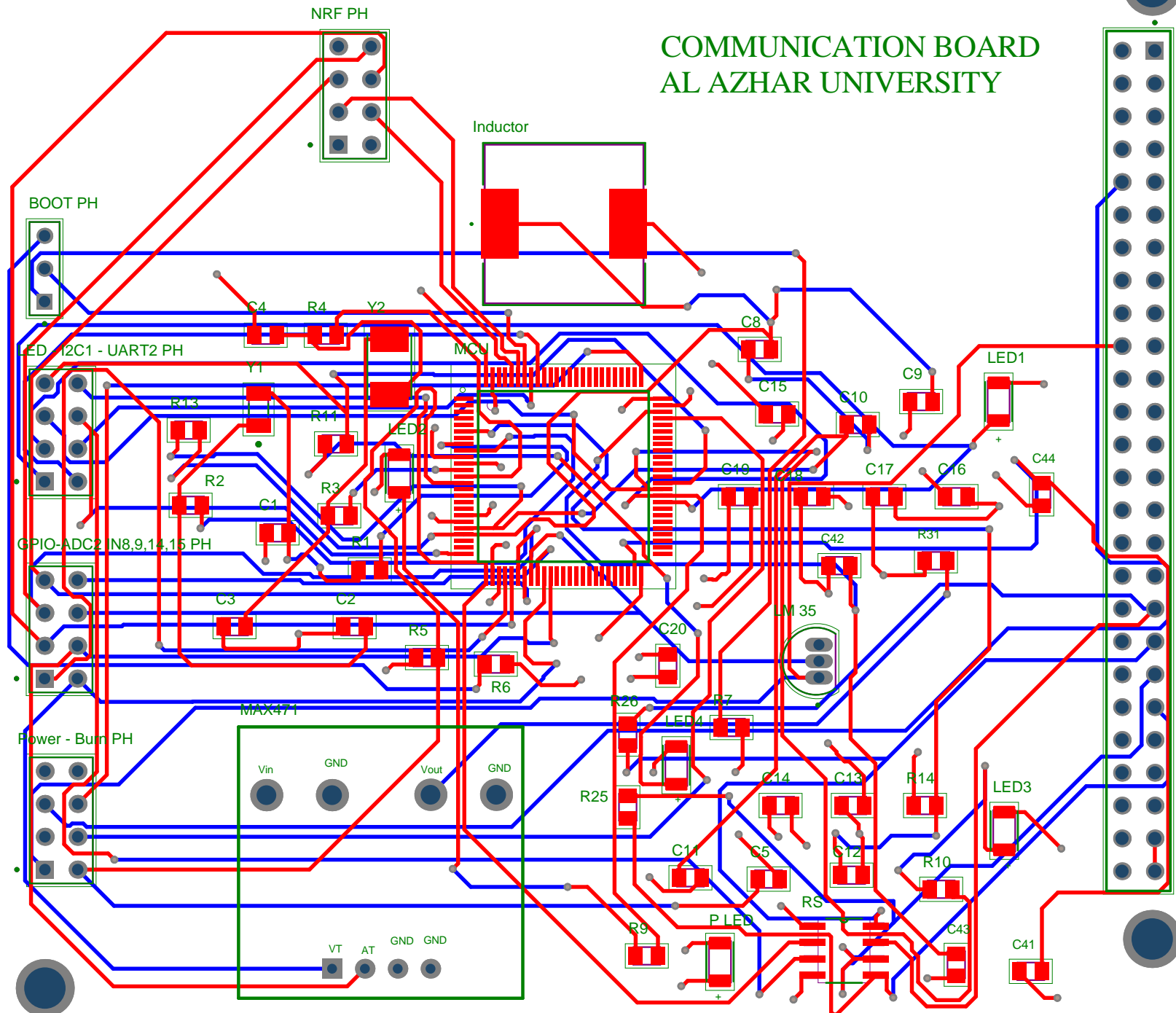


Title		
Size A1	Number	Revision
Date 11/2/2002	Sheet of Drawn By: E. J. B. C. S. COMM ARM S&K	

COMMUNICATION BOARD AL AZHAR UNIVERSITY



Comment	Description	Designator	Footprint	LibRef	Quantity
4-103327-5	Conn Unshrouded Header HDR 3 POS 2.54mm Solder ST Thru-Hole Carton	BOOT PH	TE_4-103327-5	4-103327-5	1
6.8pF	CAP CER 10000PF 50V 0805	C1, C2	CAPC2012X95N	UMK212SD103KD-T	2
20pF	CAP CER 10000PF 50V 0805	C3, C4	CAPC2012X95N	UMK212SD103KD-T	2
100nF	CAP CER 10000PF 50V 0805	C5, C8, C10, C13, C14, C15, C16, C17, C18, C19, C20	CAPC2012X95N	UMK212SD103KD-T	11
1uF	CAP CER 10000PF 50V 0805	C9, C11, C12, C41, C42, C43, C44	CAPC2012X95N	UMK212SD103KD-T	7
ESQ-126-39-G-D	52 Position Elevated Socket Connector Through Hole	EUTS	SAMTEC_ESQ-126-39-G-D	ESQ-126-39-G-D	1
5-146256-4	08 MODII HDR DRST B/A .100CL LF	GPIO-ADC2 IN8,9,14,15 PH, LED - I2C1 - UART2 PH, NRF PH, Power - Burn PH	TE_5-146256-4	5-146256-4	4
CDRH127/LDNP-470MC	47µH Shielded Inductor 3.25A 78mOhm Max Nonstandard	Inductor	IND_CDRH127/LDNP-470MC_SUM	CDRH127/LDNP-470MC	1
BLUE-LED	LED Blue 470nm LED Indication 3.3V	LED1, P LED	RESC3015X65	LTST-C150TBKT	2
RED-LED	LED Blue 470nm LED Indication 3.3V	LED2	RESC3015X65	LTST-C150TBKT	1
GREEN-LED	LED Blue 470nm LED Indication 3.3V	LED3	RESC3015X65	LTST-C150TBKT	1
ORANGE-LED	LED Blue 470nm LED Indication 3.3V	LED4	RESC3015X65	LTST-C150TBKT	1
LM35DZ/NOPB	Temperature Sensor Analog, Local 0Â°C ~ 100Â°C 10mV/Â°C TO-92-3	LM 35	TO92127P521H735-3	LM35DZ/NOPB	1
MAX471?	MAX471 Voltage And Current Sensor Module Consume Voltage Load Detection Module	MAX471	PCBComponent_1	MAX471?	1
STM32F427VGT7	ARMÂ® CortexÂ®-M4 STM32F4 Microcontroller IC 32-Bit 180MHz 1MB _1M x 8_ FLASH 100-LQFP _14x14_	MCU?	QFP50P1600X1600X16 0-100N	STM32F427VGT7	1
0		R1, R2, R3, R4, R13, R14	CAPC2012X95N	RESISTOR	6
10K		R5, R6, R7	CAPC2012X95N	RESISTOR	3
22		R9, R10, R11	CAPC2012X95N	RESISTOR	3
120		R25, R26	CAPC2012X95N	RESISTOR	2
330		R31	CAPC2012X95N	RESISTOR	1
MAX488ESA+	1/1 Transceiver Full RS422, RS485 8-SOIC	RS	SOIC127P600X175-8N	MAX488ESA+	1
32.768kHz	32.768kHz Â±20ppm Crystal 12.5pF 70 kOhms 2-SMD, No Lead	Y1	XTAL_ECS-.327-12.5-34S-TR	ECS-.327-12.5-34S-TR	1
8MHZ	8MHz Â±20ppm Crystal 18pF 140 Ohms 2-SMD, No Lead	Y2	XTAL500X320X130N	ABM3-8.000MHZ-D2Y-T	1