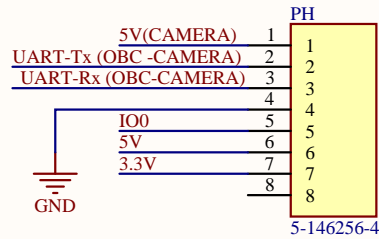


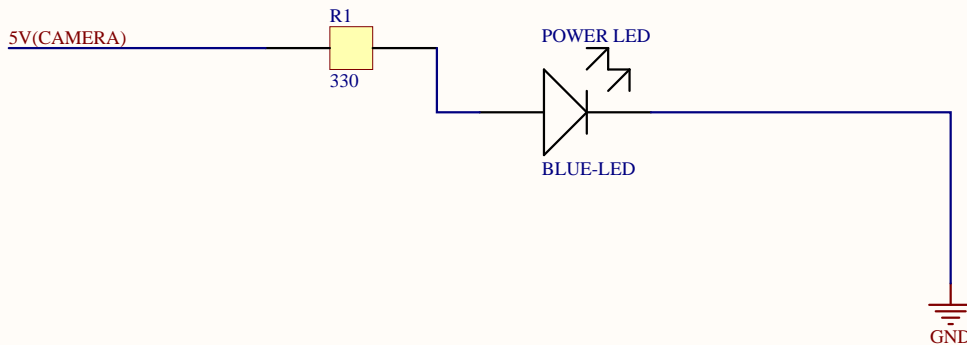
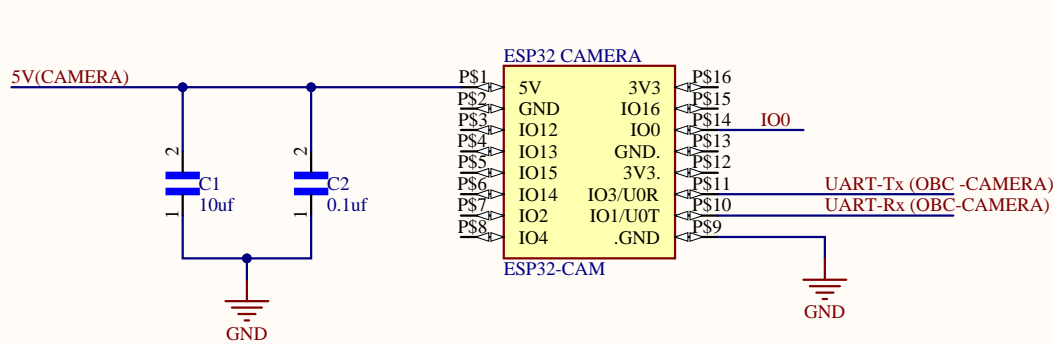
# TEST PIN HEADER



RD + (OBC-EPS)	01	01	02	RD - (OBC-EPS)
TD + (OBC-EPS)	03	03	04	TD - (OBC-EPS)
Forwarding Pin	05	05	06	5V(CAMERA)
	07	07	08	5V (EPS)
	09	09	10	3.3V
G	11	11	12	G
	13	13	14	
TD - (OBC-ADCS)	15	15	16	G
TD + (OBC-ADCS)	17	17	18	3.3V (COMM)
RD - (OBC-ADCS)	19	19	20	5V
RD + (OBC-ADCS)	21	21	22	3.3V (OBC)
	23	23	24	Solar Array Input
RST Soft-Reset	25	25	26	
	27	27	28	3.3V (ADCS)
G	29	29	30	G
G	31	31	32	G
	33	33	34	
TD - (OBC-COMM)	35	35	36	UART-Tx (OBC-CAMERA)
TD + (OBC-COMM)	37	37	38	UART-Rx (OBC-CAMERA)
RD - (OBC-COMM)	39	39	40	
RD + (OBC-COMM)	41	41	42	E-RST Hard Reset
	43	43	44	
G	45	45	46	G
	47	47	48	
VBAT+	49	49	50	VBAT-
NetLabel136	51	51	52	NetLabel154

ESQ-126-39-G-D

# EUTS Electrical Bus



Title		
Size	Number	Revision
A		
Date:	6/27/2022	Sheet of
File:	E:\OBC 2\...\PAYLOAD Subsystem.SchDoc	Drawn By:

PH

ESP32 CAMERA

ESP32-CAM

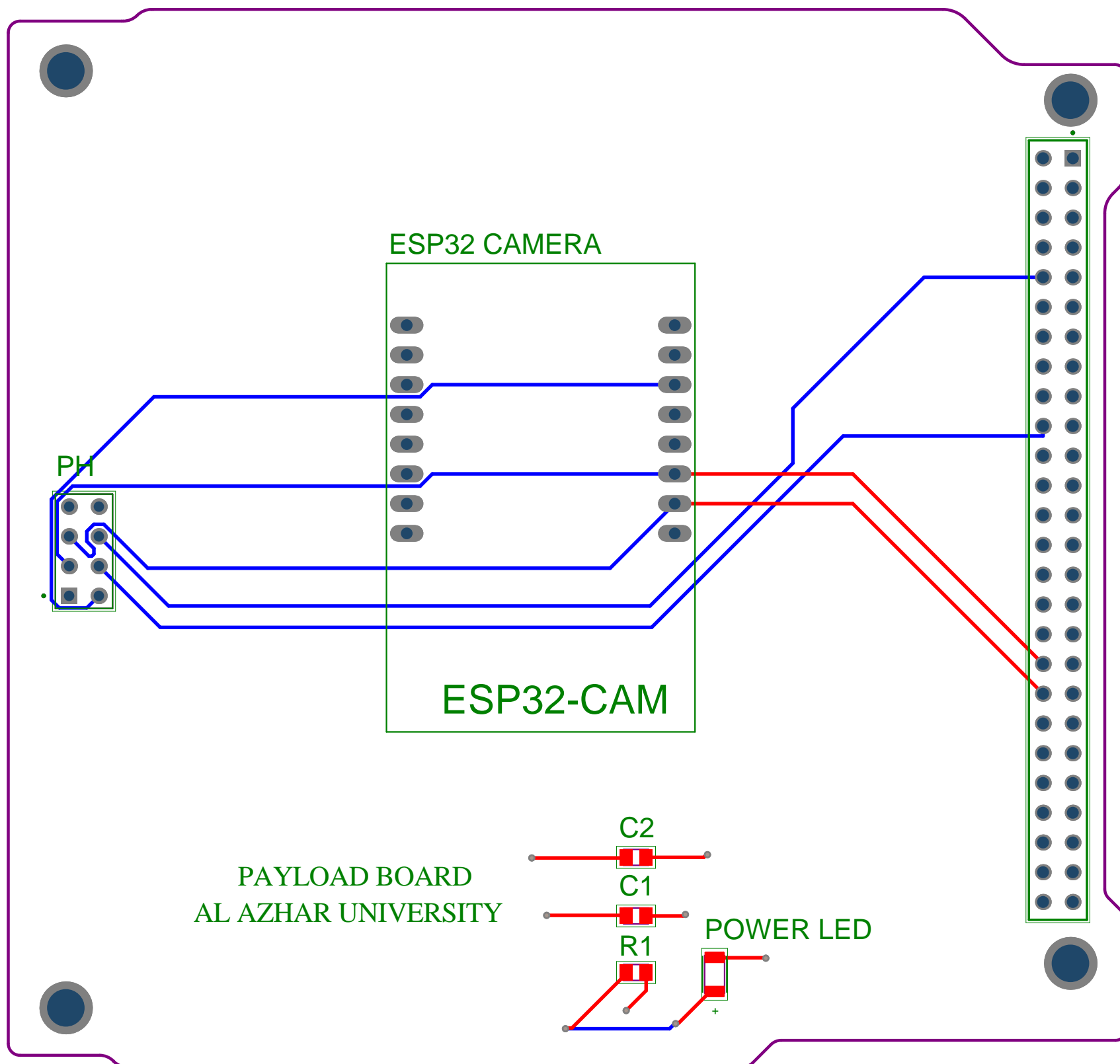
PAYLOAD BOARD  
AL AZHAR UNIVERSITY

C2

C1

R1

POWER LED



Comment	Description	Designator	Footprint	LibRef	Quantity
10uf	CAP CER 10000PF 50V 0805	C1	CAPC2012X95N	UMK212SD103KD-T	1
0.1uf	CAP CER 10000PF 50V 0805	C2	CAPC2012X95N	UMK212SD103KD-T	1
ESP32-CAM	The smallest 802.11b/g/n Wi-Fi BT SoC Module	ESP32 CAMERA	ESP32-CAM	ESP32-CAM	1
ESQ-126-39-G-D	52 Position Elevated Socket Connector Through Hole	J?	SAMTEC_ESQ-126-39-G-D	ESQ-126-39-G-D	1
5-146256-4	08 MODII HDR DRST B/A .100CL LF	PH	TE_5-146256-4	5-146256-4	1
BLUE-LED	LED Blue 470nm LED Indication 3.3V	POWER LED	RESC3015X65	LTST-C150TBKT	1
330		R1	CAPC2012X95N	RESISTOR	1