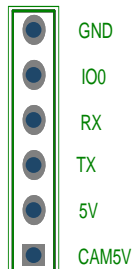


POWER-BURN

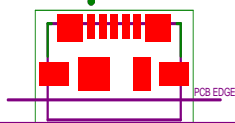


FTDI

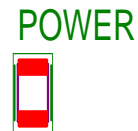
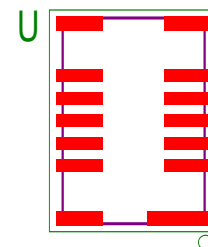
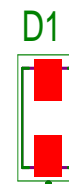
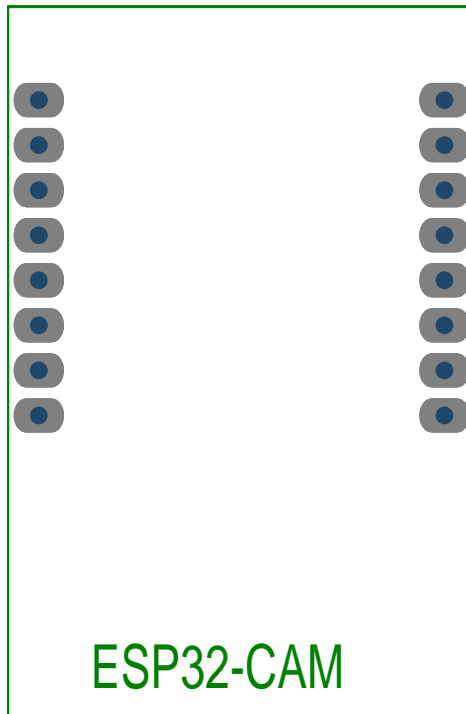


PAYLOAD BOARD
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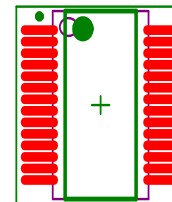
J?



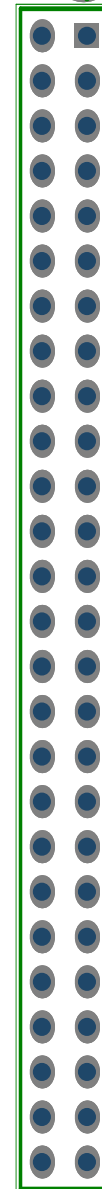
ESP32 CAMERA



FTDI232RL



J



Comment	Description	Designator	Footprint	LibRef	Quantity
(1206) 10uF	UMF316B7103KFHT71 206 Capacitor	C1	CAPC3216X125N0	Capacitor 1206	1
(0805) 100nF	UMK212SD103KD- T/CAP CER 10000PF 50V 0805	C2, C4	CAPC2012X95N-0	Capacitor 0805	2
(0805) 10nF	UMK212SD103KD- T/CAP CER 10000PF 50V 0805	C3	CAPC2012X95N-0	Capacitor 0805	1
Cap_CER_1U_10V_0603	Capacitor	C?	0603 - cap	Capacitor 0603	4
SMD Schottky diode 5A/40V	S1 Series 1000V 1A 1 uA Surface Mount General Purpose Rectifier - DO-214AC	D1	DIOM5227X270N	SMD Schottky diode 5A/40V	1
ESP32-CAM	The smallest 802.11b/g/n Wi-Fi BT SoC Module	ESP32 CAMERA	ESP32-CAM	ESP32-CAM	1
IC_FT232RL	FT232RL USB UART	FTDI232RL	SSOP-28	IC_FT232RL	1
6 Position PinHeader 1Row	Connector Header Through Hole 6 position 0.100 (2.54mm)	FTDI, POWER-BURN	TE_6-146285-6	6 Position PinHeader 1Row	2
3 Position PinHeader 1Row	Conn Unshrouded Header HDR3 POS 2.54mm Solder ST Thru- Hole Carton	J	TE_3-103327-3	3 Position PinHeader 1Row	1
52 Position Elevated Socket Connector	ESQ-126-39-G-D/52 Position Elevated Socket Connector Through Hole	J	SAMTEC_ESQ-126-39- G-D	52 Position Elevated Socket Connector	1
USB Connectors MICRO USB B	USB Connectors MICRO USB B RECPT BTMM MOUNT ASSY	J?	MOLEX_47346-0001	USB Connectors MICRO USB B	1
(1206) Blue	LED SMD 1206 High Quality Forward Voltage: 3.2 V Brightness: 700 mcd	POWER	RESC3015X65-01	LED 1206	1
(1206) 85		R1	CAPC3216X125N0	Resistor 1206	1
(1206) 150		R2, R3	CAPC3216X125N0	Resistor 1206	2
RES_0_0.1W_0603	Resistor	R10, R20, R30	0603	Resistor 0603	3
(1206) Yellow	LED SMD 1206 High Quality Forward Voltage: 3.2 V Brightness: 700 mcd	RX	RESC3015X65-01	LED 1206	1
(1206) Green	LED SMD 1206 High Quality Forward Voltage: 3.2 V Brightness: 700 mcd	TX	RESC3015X65-01	LED 1206	1
Infrared camera AMG8833	Temperature Sensor Digital, Infrared_IR_14- SMD Module	U	XDCR_AMG8833	Infrared camera AMG8833	1