

# Bill of Materials

TI DESIGNS

TIDEP-0038 - Vision Analytics Camera Expansion Board

Quantity	Designator	Type	LibRef	Footprint	Comment	Value	Voltage	Description	Mfg	Mfg. PN
1	PN_PCB1	general	PN_PCB	PN_PCB	90-000133-1 Rev A	90-000133-1 Rev A		PCB Part Number	Critical Link, LLC	90-000133-1 Rev A
2	D3, D4	general	LED005_G	LED005	Green			LED THIN 565NM GRN DIFF 0805 SMD	Lumex Opto	SML-LXT0805GW-TR
2	J2, J6	general	22-23-2021	22-23-2021	HDRLOCK 0.1 1X2			CONN HEADER 2POS .100 VERT TIN	Molex	22-23-2021
2	R3, R7	resistor	ZERO_0805	0805		0.0	0.0	RES 0.0 OHM 1/8W 5% 0805 SMD	Rohm	MCR10EZHJ000
4	C1, C5, C7, C9	capacitor	CAP_X7R_0603_50V	0603		0.1uF	0.1uF	CAP CER .10UF 50V X7R 10% 0603	AVX Corporation	06035C104KAT2A
4	R4, R5, R6, R8	resistor	RES_0603	0603		1.00K	1.00K	RES 1.00K OHM 1/10W 1% 0603 SMD	Rohm	MCR03EZPFX1001
3	J1, J3, J4	general	HDR_M_2mm_2x25x150_SMD_V_G	87759-5050		87759-5050		CONN HEADER 50POS 2MM VERT SMD	Molex	87759-5050
2	D1, D2	general	LED_0805_R	LED005	LED_0805_R			LED SUPER RED CLEAR 0805 SMD	CML Innovative Technologies Inc	CM017-215AC/1R8
3	R13, R14, R15	resistor	ZERO_0603	0603		0.0	0.0	RES 0.0 OHM 1/10W 5% 0603 SMD	Rohm	MCR03EZPJ000
4	R9, R10, R11, R12	resistor	RES_1206	1206		0.0	0.0	RES 0.0 OHM 1/4W 5% 1206 SMD	Yageo Corporation	RC1206JR-070RL
4	C4, C6, C8, C10	capacitor	T491A475K016AT	SMD_TAN_A		4.7uF	4.7uF	CAPACITOR TANT 4.7UF 16V 10% SMD	Kemet	T491A475K016AT
4	Q1, Q2, Q3, Q4	general	MIC4416YM4	SMSOT143_1234	MIC4416YM4			IC DRIVER MOSF LOW SIDE SOT143-4	Micro Inc	MIC4416YM4
2	P1, P2	general	HDR_M_100_1x3x230_THR_V	HDR_M_100_1x3x230_THR	22-28-4030			CONN HEADER 3POS .100 VERT TIN	Molex	22-28-4030
1	P3	general	HDR_M_100_1x6x230_THR_V	HDR1X6	22-28-4060			CONN HEADER 6POS .100 VERT TIN	Molex	22-28-4060
1	J5	general	HDR_M_100_2x13x240_THR_V_G	HDR_M_100_2x13x240_THR_V_G	10-89-7261			CONN HDR DUAL 26POS .100 SRT TIN	Molex	10-89-7261