





























Comment	Designator	Description	Footprint	Quantity
OPTICON PROGRAM	J1	Connector SIP5 PGM TOP		1
[OPT]R20, R21	R20, R21	Resistor SMD_0603_ESC1608X5SN		2
[OPT]1k	R6, R17, R62, R64, R66, R67	Resistor SMD_0603_ESC1608X5SN		6
[OPT]10u/10V	C29_1, C29_2, C29_3, C29_4	Capacitor SMD_0402_CAP100X90N		4
[OPT]10	R59	Resistor SMD_0603_ESC1608X5SN		1
[OPT]10k	R60	Resistor SMD_0603_ESC1608X5SN		1
[OPT]47	R8, R14	Resistor SMD_0603_ESC1608X5SN		2
[OPT]470	R13	Resistor SMD_0603_ESC1608X5SN		1
[OPT]85S128	Q2	SMD_SOT23_SO195P240X120-3N		1
[OPT]IC_B000KA5WF	U8	SMD_SOIC127P6024173-8N		1
[OPT]L7805CD2T-TR	U4	SMD_TO254P1524X483-3_4N_D2PAK		1
[OPT]LM7805	U2	SMD_SOIC127P6024173-8N		1
[OPT]SS14	D7, D8	SMD_D0214AC_SMA		2
	R1_1, R1_2, R1_3, R1_4, R1_5, R1_6, R1_7, R1_8, R1_9, R1_10, R1_11, R1_12, R1_13, R1_14, R1_15 R1_16, R3, R5, R7, R19, R25	Resistor SMD_0603_ESC1608X5SN		21
0	R1, R2, R4, R24, R27, R30, R23, R33, R34, R35, R36, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R61, R63, R65	Resistor SMD_0603_ESC1608X5SN		36
1k	C2, C3	Capacitor SMD_0603_CAP1608X90N		2
1nF	R26	Resistor SMD_1206_ESC3216X180N		1
2.4k	R16	Resistor SMD_0603_ESC1608X5SN		1
10	R20, R21	Resistor SMD_0603_ESC1608X5SN		2
10k	R9, R10, R11, R12, R15, R16, R22, R23	Resistor SMD_0603_ESC1608X5SN		8
10uF/10V	C1, C14, C15	Capacitor SMD_0805_CAP2012X145N		3
10uF	C1P_1, C1P_2, C1P_3, C1P_4	Capacitor SMD_0603_CAPC1608X95N		4
18pF	C12, C13	Capacitor SMD_0603_CAPC1608X80N		2
22uF/6.3V	C17, C25, C26	Capacitor SMD_0805_CAPC2012X145N		3
100	R28	Resistor SMD_1206_ESC3216X180N		1
100nF	C4, C7, C8, C9, C10, C11	Capacitor SMD_0603_CAPC1608X80N		6
100nF/50V	C3P_1, C3P_2, C3P_3, C3P_4	Capacitor SMD_0603_CAPC1608X95N		4
	C4P_1, C4P_2, C4P_3, C4P_4, C5P_1, C5P_2, C5P_3, C5P_4	CL32A227M_QVNNNE_220UF 6.3V 20% XSR 1210	SMD_1210_CAPC3225X279N	8
100uF	C6P_1, C6P_2, C6P_3, C6P_4, C7P_1, C7P_2, C7P_3, C7P_4, C8P_1, C8P_2, C8P_3, C8P_4	CL32A227M_QVNNNE_220UF 6.3V 20% XSR 1210	SMD_1210_CAPC3225X279N	13
220uF	C1_5, C1_6, C1_7, C1_8, C1_9, C1_10, C1_11, C1_12, C1_13, C1_14, C1_15, C1_16, C1_17, C1_18, C2_4, C2_5, C2_6, C2_7, C2_8, C2_9, C2_10, C2_11, C2_12, C2_13, C2_14, C2_15, C2_16, C2_17, C2_18, C3_3, C3_4, C3_5, C3_6, C3_7, C3_8, C3_9, C3_10, C3_11, C3_12, C3_13, C3_14, C3_15, C3_16, C4_1, C4_2, C4_3, C4_4, C4_5, C4_6, C4_7, C4_8, C4_9, C4_10, C4_11, C4_12, C4_13, C4_14, C4_15, C4_16, C5_1, C5_2, C5_3, C5_4, C5_5, C5_6, C5_7, C5_8, C5_9, C5_10, C5_11, C5_12, C5_13, C5_14, C5_15, C5_16, C6_1, C6_2, C6_3, C6_4, C6_5, C6_6, C6_7, C6_8, C6_9, C6_10, C6_11, C6_12, C6_13, C6_14, C6_15, C6_16, C7_1, C7_2, C7_3, C7_4, C7_5, C7_6, C7_7, C7_8, C7_9, C7_10, C7_11, C7_12, C7_13, C7_14, C7_15, C7_16, C8_1, C8_2, C8_3, C8_4, C8_5, C8_6, C8_7, C8_8, C8_9, C8_10, C8_11, C8_12, C8_13, C8_14, C8_15, C8_16, C9_1, C9_2, C9_3, C9_4, C9_5, C9_6, C9_7, C9_8, C9_9, C9_10, C9_11, C9_12, C9_13, C9_14, C9_15, C9_16, C10_1, C10_2, C10_3,	CL32A227M_QVNNNE_220UF 6.3V 20% XSR 1210	SMD_1210_CAPC3225X279N	13
470nF	Q1, Q2, Q3, Q4, Q5, Q1P_4, Q2P_1, Q2P_2, Q2P_3, Q2P_4, Q3P_1, Q3P_2, Q3P_3, Q3P_4	Capacitor SMD_0603_CAPC1608X80N (Semiconductor SIM Model)	SMD_0603_CAPC1608X80N	376
AP1RA03GMT-3	U6	SMD_SOIC127P6024173-8N		12
BD1KA5WF	U7	SMD_SOIC127P6024173-8N		1
BD3KA5WF				1
UL1-1, UL2, UL3, UL4, UL5, UL6, UL7, UL8, UL9, UL10, UL11, UL12, UL13, UL14, UL15, UL16	BE200	SMD_QFN50P900X900X85-65N - BE200		16
B15138	Q1	SMD_SOT23_SO195P240X120-3N		1
CON_280W5_6PN	J4, J5	PTH_CON_WR-MRC4-6_S		2
CON_3PN	J3	PTH_CON_HD-351-3P		1
CU045CM15B0-R0	J2	SMD_CON-CVLUX-CU04-SCLM15B0		1
D	D1P_1, D1P_2, D1P_3, D1P_4	SMD_SOD523_SOD1608X65N		4
Q1Pc33EP256MU80	U1	SMD_QFP50P120X120X120X120-64N		1
D_TVS_UNI	D6, D10	SMD_D0214AC_SMC		2
Green SMU210MF	D2	SMD_0805_LED2012X100N		1
ROHM	U5	SMD_0805_LED2012X100N		1
L78M05CD1-TR		SMD_TO229P991X239-4AN_DPAK		1
LTC4449		Mosfet 12V Dual Bootstrap d PWM Sync Bus-based Optimized	SMD_DFN16166SON50P161X161X60-9N - LTC4449	4
Orange SMU210DT	D4	SMD_0805_LED2012X100N		1
Q4.000 MHz HC- 495M SMD	Y1	Crystal	SMD_HC49_XTA11140X480X420N	1
Red SMU210VT	D1	SMD_0805_LED2012X100N		1
ROHM		SMD_QFN125P125X125X100-00A - Coilcraft SLC1488		4
SLC1480_201MLD	L1P_1, L1P_2, L1P_3, L1P_4	4 IO lines TVS	SMD_SO195P280X145-6N-W	1
SM5051G	D5	SMD_D0214AC_SMA		1
SS14	D9	SMD_D0214AC_SMA		1
XTAL_TCX 16 MHz	VO4_1	SMD_OSC_DFN_2_SX3_2MM		1
Yellow SMU210Y R03	D3	SMD_0805_LED2012X100N		1