

Comment	Description	Designator	Footprint	LibRef	Quantity
REGP, LedDebug, PEC12	Test Point, 1 Position SMD, RoHS, Tape and Reel	-15V, +15V, 3V3, 5V, Debug1, GND, GND1, REG D1, REG I1, REG P1, REG_COMM1, REG_ERR1, TP1, TP2, TP3	KSTN-5019_V	CMP-1672-00008-1	15
NHD-0420AZ-FSW-GBW-33V3	LCD Character Display Modules & Accessories STN- GRAY TransfI 77.5 x 47.0	B1	NHD0420AZFSWG-BW33V3	NHD-0420AZ-FSW-GBW-33V3	1
22pF, 10V	CAP 22pF 10V	C1, C4	6-0805_L	CMP-1036-01211-1	2
Cap	Cap 100nF	C2, C5, C6, C8, C9, C10, C11, C12, C13, C15, C16, C19, C21, C22, C24, C27, C28, C31, C32	C0805	Cap	19
Cap	Cap 1nF	C3, C7, C14	C0805	Cap	3
Cap	Capacitor	C17, C23	AXIAL-0.4	Cap	2
Cap Pol1	Cap Pol 47uF	C25, C26	C0805	Cap Pol1	2
Cap Pol1	Cap Pol 33uF	C29, C30	C0805	Cap Pol1	2
Cap	Cap 0.047uF	C33	C0805	Cap	1
Super Red, 1.9 V	SMT Mono-color Chip LED Waterclear WL-SMCW, size 0805, Super Red, 1.9 V, 140 deg, 60 mcd	D1	6-0805_N	150080SS75000	1
Bright Green, 2 V	SMT Mono-color Chip LED Waterclear WL-SMCW, size 0805, Bright Green, 2 V, 140 deg, 40 mcd	D2	6-0805_N	150080VS75000	1
EGL1B	Diode Melf : EGL1B (100V, 1A)	D4	JAN1N4108CUR1_	Diode	1
50SQ100	Schottky Diode 50SQ100	D5, D6	SODFL2513X70N	D Schottky	2
61300611121	WR-PHD Pin Header, THT, pitch 2.54mm, Single Row, Vertical, 6pin	J1	HDR1X6	61300611121	1
Inductor	Inductor 220uH	L1, L2	SDE0604A101K	Inductor	2
R_Dissipator, Alim 0-30 IN, FAN_Control	Header, 2-Pin	P1, P2, P3, P4, P5, P6, P8, P9, P10	RHDDRRA2W95POX500_1X2_1120X90OX1280P, HDR1X2	Header 2	9
PNP	PNP Bipolar Transistor	Q1, Q2	SOT-23B_N	PNP	2
MOSFET-N	N-Channel MOSFET	Q3, Q4, Q5	SOT23_N	MOSFET-N	3
270R	Res 270R	R1, R2	6-0805_N	CMP-2001-00528-1	2
10k, Res 10K, Res2	Res 10K	R3, R6, R7, R8, R10, R11, R13, R14, R17, R18, R41	6-0805_N	CMP-2001-04376-1, Res2, Resistor	11
1k, Res2, [NoValue]	Res 1K	R4, R25, R28, R32, R33, R36, R37	6-0805_N	CMP-1013-00510-2, Res2	7
Res2	Res 33R	R9	6-0805_N	Res2	1
RPot	Pot 10K	R12	3362P_1	RPot	1
Res2	Res 200R	R15	6-0805_N	Res2	1
Res2	Res 1K8	R16	6-0805_N	Res2	1
Res2, 10k	Res 100K	R19, R22, R24, R27, R31	6-0805_N, AXIAL-0.4	Res2	5
Res2	Resistor	R20, R21, R23, R26, R29, R30, R34, R38	AXIAL-0.4, 6-0805_N	Res2	8
Res2	Res 24K	R35	6-0805_N	Res2	1
Res2	Res 15K	R39	6-0805_N	Res2	1
PEC12R-2220F-S0024	Rotary Encoder Mechanical 24 Quadrature (Incremental) Right Angle	S1	XDCR_PEC12R-2220F-S0024	PEC12R-2220F-S0024	1
430182043816	WS-TASV SMD Tact Switch 6X6 mm	SW1	430182043816	CMP-1452-00013-1	1
MAX6612MXK+	High-Slope, Low-Power, Analog Temperature Sensor, -55 to 150 degC, 5-Pin SOT23 (X5+1), Pb-Free	U1, U2, U3	MAXM-X5+1_M	CMP-0253-01154-1	3
PIC32MX250F128D I/PT	32-bit Microcontroller with Audio and Graphics Interface, USB and Advanced Analog, 50 MHz, 33 I/O, PMP, -40 to 85 degC, 44-pin TQFP (PT44), Tray	U4	MCHP-TQFP-PT44_M	CMP-0048-00499-1	1
TL052ACD	Enhanced JFET Precision Dual Operational Amplifier, 10 to 30 V, 0 to 70 degC, 8-pin SOIC (D8), Green (RoHS & no Sb/Br)	U5, U6, U7	D0008A_N	CMP-0015-00087-2	3
MAX5033AUSA	500mA, 76V, High-Efficiency, MAXPower(TM) Step-Down DC-DC Converter, 3.3V output, 8-Pin SOIC, 0°C to +85°C	U8, U9	S8-5_N	CMP-0246-00246-1	2
MAX7315AUE+T	IC I/O EXPANDER I2C 8B 16TSSOP	U10	FP-U16-2-MFG	CMP-05690-000009-1	1
POWER, GROUND, -POWER	CONN HEADER VERT 1POS	X1, X2, X3	PIN1	Berg	3
Jumper	CONN HEADER VERT 2POS 2.54MM	X4, X8, X9, X10	HDR1X2	Jumper	4
8MHz, 12p	Resistance Weld SMD Crystal, 8 MHz, +/- 30 ppm, 12 pF, -20 to 70 degC, 2-Pin SMD, RoHS, Tape and Reel	Y1	FOX-FOXSDLF160-20_V	CMP-1749-00001-1	1