

ChangeMe in variant

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
IPC6	1		Printed Circuit Board		TIDA-070005	Any		
C100, C101, C102, C103, C104, C105, C106, C107, C109	9	22uF	CAP, CERM, 22 µF, 16 V, +/- 20%, X7R, AEC-Q200 Grade 1, 1210	1210	EMK325B7226MMHT	Taiyo Yuden		
C108, C111, C113, C115, C117, C202, C206, C209, C210, C211, C212, C213, C214	13	0.1uF	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0805	0805	GRM21BR71H104KA01 L	MuRata		
C110, C112, C114, C116, C118, C119, C120, C121, C122, C123, C124, C125, C207	13	0.01uF	CAP, CERM, 0.01 uF, 50 V, +/- 5%, X7R, 0805	0805	08055C103JAT2A	AVX		
C200	1	1uF	CAP, CERM, 1 uF, 16 V, +/- 10%, X7R, 0805	0805	EMK212B7105KG-T	Taiyo Yuden		
C201	1	22uF	CAP, TA, 22 uF, 20 V, +/- 10%, 0.18 ohm, SMD	7343-31	T495D226K020ATE180	Kemet		
C203	1	470pF	CAP, CERM, 470 pF, 100 V, +/- 5%, C0G/NP0, 0805	0805	08051A471JAT2A	AVX		
C204	1	10uF	CAP, CERM, 10 uF, 25 V, +/- 20%, X7R, 1210	1210	C3225X7R1E106M250 AC	TDK		
C205	1	47uF	CAP, TA, 47 uF, 20 V, +/- 10%, 0.1 ohm, SMD	7343-31	T495D476K020ATE100	Kemet		
C208	1	1000pF	CAP, CERM, 1000 pF, 100 V, +/- 5%, C0G/NP0, 0805	0805	GRM2195C2A102JA01 D	MuRata		
D200	1	30V	Diode, Schottky, 30 V, 0.2 A, SOT-23	SOT-23	BAT54-7-F	Diodes Inc.		
H1, H2, H3, H4	4		Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Screw	NY PMS 440 0025 PH	B&F Fastener Supply		
H5, H6, H7, H8	4		Standoff, Hex, 0.5"L #4-40 Nylon	Standoff	1902C	Keystone		
J100, J109, J114	3		Standard Banana Jack, insulated, 10A, red	571-0500	571-0500	DEM Manufacturing		
J101, J104, J106, J108	4		Header, 100mil, 2x1, Tin, TH	Header 2x1	90120-0122	Molex		
J102, J105, J107, J110	4		Jumper Wire, 200mil spacing, Red, pkg of 200	200 mil Jumper Wire	923345-02-C	3M		
J103, J112, J115	3		Standard Banana Jack, insulated, 10A, black	571-0100	571-0100	DEM Manufacturing		
J111, J203, J204, J205, J206	5		Compact Probe Tip Circuit Board Test Points, TH, 25 per	TH Scope Probe	131-5031-00	Tektronix		
J113	1		Header, 100mil, 4x1, Gold, TH	4x1 Header	TSW-104-07-G-S	Samtec		
J200a, J200b, J200c, J200d, J201a, J201b, J201c, J201d, J202a, J202b, J202c, J202d, J203a, J203b, J203c, J203d, J204a, J204b, J204c, J204d, J205a, J205b, J205c, J205d, J206a, J206b, J206c, J206d, J207a, J207b, J207c	44		PCB Pin, solderless Pressfit	952	0952-0-00-15-00-00-03- 0	Mill-Max		
J201	1		Header, 100mil, 3x1, Gold, TH	3x1 Header	TSW-103-07-G-S	Samtec		
J202	1		Connector, SMA, TH	SMA	142-0701-231	Cinch Connectivity		
LBL1	1		Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch	THT-14-423-10	Brady		
Q200	1	60V	MOSFET, N-CH, 60 V, 0.24 A, SOT-23	SOT-23	2N7002E-T1-E3	Vishay-Siliconix		None

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
R100, R101, R102, R103, R104, R105, R107, R108, R109, R116, R117, R118, R119, R128, R129, R130, R139, R140, R141, R142, R143, R144, R200, R206, R207, R208, R209, R210, R211, R212, R213	54	0	RES, 0, 5%, 0.333 W, AEC-Q200 Grade 0, 0805	0805	CRCW08050000Z0EAHP	Vishay-Dale		
R106, R110, R111, R115, R120, R121, R122, R123, R124, R125, R126, R127	12	0.001	RES, 0.001, 1%, 1 W, 2512	2512	ERJ-M1WTF1M0U	Panasonic		
R131, R132, R133, R134, R135, R136, R137, R138	8	0.015	RES, 0.015, 1%, 0.5 W, 1206	1206	CSR1206FK15L0	Stackpole Electronics Inc		
R201, R233	2	49.9	RES, 49.9, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805	CRCW080549R9FKEA	Vishay-Dale		
R202, R205	2	453	RES, 453, 0.1%, 0.125 W, 0805	0805	RT0805BRD07453RL	Yageo America		
R203	1	1.00k	RES, 1.00 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805	CRCW08051K00FKEA	Vishay-Dale		
R204	1	10.0k	RES, 10.0 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805	ERJ-6ENF1002V	Panasonic		
R238	1	3.20k	RES, 3.20 k, 0.1%, 0.125 W, 0805	0805	RT0805BRD073K2L	Yageo America		
T100, T101, T102, T103	4		Terminal 50A Lug	CB35-36-CY	CB35-36-CY	Panduit		
TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19, TP20, TP21, TP22, TP23, TP24, TP25, TP26, TP27, TP28, TP29, TP30, TP31, TP32	32		Test Point, Miniature, Red, TH	Red Miniature Testpoint	5000	Keystone		
U200	1		Wide Vin Low-Dropout Voltage Regulator, HKU0010A (CFP-10)	HKU0010A	TPS7A4501HKU/EM	Texas Instruments		Texas Instruments
U201	1		QML Class V Precision Timer, JG0008A (CDIP-8)	JG0008A	5962-9855501VPA	Texas Instruments		Texas Instruments
U202	1		Dual D-type Positive-Edge-Triggered Flip-Flops With Clear And Preset, W0014A, TUBE	W0014A		Texas Instruments		
U203, U204, U205, U206, U207	5		Single Inverter Gate, DCK0005A, LARGE T&R	DCK0005A	SN74AHC1G04DCKR	Texas Instruments		
U208	1		Hex Inverters, W0014A, TUBE	W0014A		Texas Instruments		
U209, U210, U211, U212	4		Voltage Output, Unidirectional Measurement Current-Shunt Monitor, HKX0008A (CFP-8)	HKX0008A	INA901-SP	Texas Instruments		Texas Instruments
FID1, FID2, FID3	0		Fiducial mark. There is nothing to buy or mount.	N/A	N/A	N/A		

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.