



Bill of Materials

TI DESIGNS

TIPD191: Instrumentation Amplifier with DC Rejection Reference Design

Item number	Qty	Value	Designator	Description	Manufacture	Part Number	Supplier Part Number
1	2		C1, C3	CAP, TA, 10 μ F, 50 V, +/- 10%, 0.8 ohm, SMD	Vishay Sprague	293D106X9050E2TE3	718-1022-1-ND
2	7		C2, C4, C5, C9, C10, C11, C12	CAP, CERM, 0.1 μ F, 25 V, +/- 10%, X5R, 0603	AVX Corporation	06033D104KAT2A	478-1244-1-ND
3	1		C10	CAP CER 0.1UF 50V 5% X7R 0603	AVX Corporation	06035C104J4Z2A	478-7426-1-ND
4	2		C6, C7	DO NOT INSTALL			
5	1		C8	DO NOT INSTALL			
6	1		C13	DO NOT INSTALL			
7	1		J1, J2, J3	CONN BNC JACK R/A 50 OHM PCB JACK NON-INSULATED	TE Connectivity	1-1634612-0	A97555-ND
8	1		J4, J5, J6	.218",Banana Jack	Keystone Electronics	575-4	575-4K-ND
9	2		JMP1, JMP2	SHUNT LP W/HANDLE 2 POS 30AU CONN HEADER 50POS .100" SGL	TE Connectivity	JUMP3	A26242-ND
10	1		JMP1, JMP2	GOLD RES SMD 0.0 OHM JUMPER	Samtec Inc	JUMP3	SAM1029-50-ND
11	2		R1, R6	1/10W	Panasonic Electronic Components	ERJ-3GEY0R00V	P0.0GCT-ND
12	3		R2, R3, R7, R8	DO NOT INSTALL			
13	1		R4	DO NOT INSTALL			
14	1		R5	DO NOT INSTALL			
15	1		R8	RES, 100 k, 0.1%, 0.063 W, 0603	TE Connectivity	CPF0603B100KE	A119912CT-ND
16	1		TP1, TP4, TP6	Test Point, TH, Compact, Red	Keystone Electronics	5005	5005K-ND
17	3		TP2, TP5, TP7	Test Point, TH, Compact, Black	Keystone Electronics	5006	5006K-ND
18	1		TP3	Test Point, TH, Compact, Yellow	Keystone Electronics	5009	5009K-ND

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19	1		U1	Precision, Low Power INSTRUMENTATION AMPLIFIER, SOIC-8	Texas Instruments	INA118U	
20	1		U2	Output, 36-V, Zero-Drift	Texas Instruments	OPA188AIDBV	
21	4			1L"	Keystone Electronics	2205	2205K-ND
22	4			40	B&F Fastener Supply	PMSSS 440 0025 PH	H703-ND

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