

Bill of Materials

TI DESIGNS

T1PD142: Sample & Hold Glitch Reduction for Precision Outputs

Item	Quantity	Designator	Description	Manufacturer	PartNumber	Supplier	Supplier Part Number
1	12	C1, C2, C3, C4, C5, C14, C15, C16, C17, C18, C19, C20	CAP, CERM, 1uF, 25V, +/-10%, X5R, 0603	MuRata	GRM188R61E105KA12D	Digi-Key	490-3897-1-ND
2	6	C6, C7, C8, C9, C10, C11	CAP, CERM, 510 pF, 50 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1H511JA01D	Digi-Key	490-3237-1-ND
3	1	C12	CAP, CERM, 300pF, 50V, +/-5%, C0G/NP0, 0603	MuRata	GRM1885C1H301JA01D	Digi-Key	490-1438-1-ND
4	1	C13	CAP, CERM, 8200 pF, 25 V, +/- 5%, C0G/NP0, 0603	TDK	C1608C0G1E822J	Digi-Key	445-2668-1-ND
5	3	J1, J3, J4	Header, 100mil, 2x1, Gold, TH	Samtec	TSW-102-07-G-S	Digi-Key	SAM1029-02-ND
6	1	J2	Header, 100mil, 3x1, Gold, TH	Samtec	TSW-103-07-G-S	Digi-Key	SAM1029-03-ND
7	2	J5, J7	Connector, Receptacle, 100mil, 10x2, Gold plated, TH	Samtec, Inc.	SSW-110-23-F-D		
8	1	J6	Terminal Block, 6A, 3.5mm Pitch, 2-Pos, TH	On-Shore Technology	ED555/2DS	Digi-Key	ED1514-ND
9	4	R1, R2, R3, R4	RES, 10.0 k, 1%, 0.1 W, 0402	Panasonic	ERJ-2RKF1002X	Digi-Key	P10.0KLCT-ND
10	6	R6, R7, R8, R9, R10, R11	RES, 24.3, 1%, 0.063 W, 0402	Vishay-Dale	CRCW040224R3FKED	Digi-Key	541-24.3LCT-ND
11	1	R12	RES, 10.0, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060310R0FKEA	Digi-Key	541-10.0HCT-ND
12	1	R13	RES, 14.7, 1%, 0.1 W, 0603	Vishay-Dale	CRCW060314R7FKEA	Digi-Key	541-14.7HCT-ND
13	1	R14	RES, 0, 5%, 0.1 W, 0603	Vishay-Dale	CRCW06030000Z0EA	Digi-Key	541-0.0GCT-ND
14	1	TP1	Test Point, Miniature, Orange, TH	Keystone	5003	Digi-Key	5003K-ND
15	1	TP2	Test Point, Miniature, White, TH	Keystone	5002	Digi-Key	5002K-ND
16	2	TP3, TP4	Test Point, Miniature, Black, TH	Keystone	5001	Digi-Key	5001K-ND
17	1	U1	18-Bit, Single-Channel, Low-Noise, Voltage-Output DIGITAL-TO-ANALOG CONVERTER, RGE0024B	Texas Instruments	DAC9881SRGET	Digi-Key	296-23702-1-ND
18	1	U2	High Voltage, Rail-to-Rail Input/Output, Precision Operational Amplifiers, e-trim™ Series, D0008A	Texas Instruments	OPA2192IDR	Digi-Key	296-42106-1-ND
19	1	U3	SPST CMOS ANALOG SWITCHES, DBV0005A	Texas Instruments	TS12A4515DBVR	Digi-Key	296-24268-1-ND