

Device Configuration Demo Board - Populated Parts

Qty.	Refdes.	Description	Manufacturer	Manufacturer PN	Digikey PN	Unit Price	Extended Price
1	PCB1	bare pcb, 2 layer, 1 oz copper, green soldermask, 50x75mm	JLPCB			\$0.80	\$0.80
4	C1, C2, C3, C4	0.1u capacitor, ceramic, 50V 10%, X7R, 0603	Samsung	CL10B104KB8NNNL	1276-CL10B104KB8NNNLCT-ND	\$0.10	\$0.40
2	D1, D2	blue led, Vf=3.2V, 0603	Würth	150060BS75000	732-4966-1-ND	\$0.16	\$0.32
1	D3	orange led, Vf=2V, 0603	Lite-On	LTST-C190KFKT	160-1434-1-ND	\$0.24	\$0.24
1	D4	green led, Vf=2V, 0603	Würth	150060VS75000	732-4980-1-ND	\$0.16	\$0.16
4	D5, D6, D7, D8	red led, Vf=1.9V, 0603	Würth	150060SS75000	732-4979-1-ND	\$0.14	\$0.56
1	J1	3 pin header, 0.1", vertical, through hole	Sullins	PREC003SAAN-RC	S1012EC-03-ND	\$0.16	\$0.16
1	J2	9 pin header, 0.1", vertical, through hole	Sullins	PREC009SAAN-RC	S1012EC-09-ND	\$0.21	\$0.21
3	J3, J4, J6	2 pin header, 0.1", vertical, through hole	Sullins	PREC002SAAN-RC	S1012EC-02-ND	\$0.16	\$0.48
1	J5	5 pin header, 0.1", vertical, through hole	Sullins	PREC005SAAN-RC	S1012EC-05-ND	\$0.15	\$0.15
2	R1, R2	20K resistor, 1%, 1/10W, 0603	Vishay Dale	CRCW060320K0FKEA	541-2993-1-ND	\$0.10	\$0.20
6	R3, R31, R32, R33, R34, R35	1K resistor, 1%, 1/10W, 0603	Vishay Dale	CRCW06031K00FKEA	541-1.00KHCT-ND	\$0.10	\$0.60
8	R4, R7, R10, R14, R19, R22, R25, R28	1M resistor, 1%, 1/10W, 0603	Vishay Dale	CRCW06031M00FKEA	541-1.00MHCT-ND	\$0.10	\$0.80
8	R5, R6, R11, R12, R20, R21, R26, R27	68K resistor, 1%, 1/10W, 0603	Vishay Dale	CRCW060368K0FKEA	541-68.0KHCT-ND	\$0.10	\$0.80
8	R8, R9, R17, R18, R23, R24, R29, R30	10K resistor, 1%, 1/10W, 0603	Vishay Dale	CRCW060310K0FKEA	541-10.0KHCT-ND	\$0.10	\$0.80
1	R13	100K resistor, 1%, 1/10W, 0603	Vishay Dale	CRCW0603100KFKEA	541-100KHCT-ND	\$0.10	\$0.10
2	R15, R16	4.7K resistor, 1%, 1/10W, 0603	Vishay Dale	CRCW06034K70FKEA	541-4.70KHCT-ND	\$0.10	\$0.20
1	TP1	multipurpose test point loop	Keystone	5011	36-5011-ND	\$0.35	\$0.35
1	U1	quad op-amp, rail to rail, 50V, 14-TSSOP	Analog Devices	ADA4522-4ARUZ	ADA4522-4ARUZ-ND	\$8.45	\$8.45
1	U2	voltage controlled oscillator, 1kHz to 1MHz, SOT-23-6	Analog Devices	LTC6906	LTC6906CS6#TRPBFCT-ND	\$3.13	\$3.13
1	U3	dual op-amp, rail to rail, 8-MSOP	Microchip	MCP6002	MCP6002T-I/MSCT-ND	\$0.33	\$0.33
1	U4	dac, 12-bit, 2 channel, I2C, 10-MSOP	Microchip	MCP4728A0	MCP4728A0T-E/UNCT-ND	\$1.89	\$1.89
						BOM Total	\$20.33

Device Configuration Demo Board - Depopulated Parts

Qty.	Refdes.	Description	Manufacturer	Manufacturer PN	Digikey PN	Unit Price	Extended Price
4	R36, R37, R38, R39	extra resistor footprint, 0603					
						BOM Total	\$0.00