

Linear Technology Corporation

LINDUINO SPI 1:8 EXPANDER SHIELD

Bill Of Materials

Demo Bd. # 2430A-2

4/20/2016 12:02 PM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	75
1	10	C1-C10	CAP., 0.1uF, X7R, 25V,10%, 0402	MURATA, GRM155R71E104KE14D	750
2	8	D0-D7	LED, GREEN, LED-ROHM-SML-01	ROHM, SML-012P8TT86	600
3	1	D8	LED, RED, LED-ROHM-SML-01	ROHM, SML-012V8TT86	75
4	2	JP1,JP2	CONN., HEADER, MALE, 1X3, 2mm, THT	Würth Elektronik, 62000311121	150
5	1	JP3	CONN., HEADER, MALE, 2X4, 2mm, THT	Würth Elektronik, 62000821121	75
6	9	J0-J7,J10	CONN., HEADER, 14 PIN, 2mm	MOLEX, 87831-1420	675
7	1	J11	CONN., SOCKET ELEVATED, 14 PIN, 2mm, THT	SAMTEC, ESQT-107-02-F-D-518	75
8	2	J13,J18	CONN., .100, 8 POSITION	ARDUINO, A000085	150
9	1	J16	CONN., .100, 10 POSITION	ARDUINO, A000086	75
10	1	J17	CONN., .100, 6 POSITION	ARDUINO, A000084	75
11	3	J20,J21,J22	CONN., SMA 50 OHM, EDGE-LAUNCH	EF JOHNSON, 142-0701-851	225
12	45	R1,R4-R7,R11,R14-R17,R21,R24-R27,R31, R34-R37,R41,R44-R47,R51,R54-R57,R61, R64-R67,R71,R74-R77,R104-R106,R115,R116	RES., 0 OHM, 1%, 1/16W, 0402	VISHAY, CRCW04020000Z0ED	3375
					0
					0
13	17	R2,R3,R12,R13,R22,R23,R32,R33,R42,R43, R52,R53,R62,R63,R72,R73,R110	RES., 100 OHMS, 1%, 1/16W, 0402	VISHAY, CRCW0402100RFKED	1275
					0
14	9	R8,R18,R28,R38,R48,R58,R68,R78,R89	RES., 619 OHMS, 1%, 1/16W, 0402	VISHAY, CRCW0402619RFKED	675
15	11	R80-R83,R85,R88,R100-R103,R117	RES., 21.5k OHMS, 1%, 1/16W, 0402	VISHAY, CRCW040221K5FKED	825
16	0	R84,R86,R114,R118	RES., 0402	OPT	0
17	12	R87,R90-R97,R111-R113	RES., 10k OHMS, 1%, 1/16W, 0402	VISHAY, CRCW040210K0FKED	900
18	1	R107	CAP., 1uF, X7R, 6.3V,10%, 0402	MURATA, GRM155R70J105KA2D	75
19	2	R108,R109	RES., 4.99k OHMS, 1%, 1/16W, 0402	VISHAY, CRCW04024K99FKED	150
20	1	SW1	SWITCH, ROTARY DIP, CODE 26, OCTAL	APEM, PT65526	75
21	1	FOR SW1 (SEGMENT WHEEL)	SWITCH, OPERATING ELEMENT,SNAP-FIT	APEM, SRPT659544/BLK	75
22	1	U1	IC, DECODERS/DEMULTIPLEXERS, SO16	TEXAS INST., CD74AC138M96	75
23	3	U2,U5,U10	IC, FET DECODERS/DEMULTIPLEXERS, SSOP16	NXP, CBT3251DS,118	225
24	2	U3,U4	IC, DECODERS/DEMULTIPLEXERS, SO16	TEXAS INST., CD74AC238M96	150
25	1	U6	IC, BUS BUFFER, TSSOP14	TEXAS INST., SN74LVTH126PW	75
26	1	U7	IC, DUAL BUFFER, US8	FAIRCHILD SEMI., NC7WZ125K8X	75
27	2	U8,U9	IC, SINGLE D FLIP FLOP, US8	ON SEMI., NL17SZ74USG	150
28	3	SHUNTS FOR JP1-JP3 AS SHOWN ON ASSY DWG.	SHUNT, 2mm	Würth Elektronik, 60800213421	225
29	4	MH1-MH4	STANDOFF, NYLON, SNAP-ON, 1"	Würth Elektronik, 702939000	300
30	2		STENCILS (TOP & BOTTOM)	STENCIL DC2430A-2	2