

T-DAC-IF

blue: optional

Component	Value	pcs	package	Digikey part	Comments	Price	Sum	0603i=1608m
DIR9001		1	28-TSSOP	296-21389-5-ND	Receiver IC	5.44	5.44	1206i=3216m
74LVU04		1	14-SOIC	296-31933-1-ND	Inverters, 6x	0.44	0.44	opt., if S/PDIF
74HC541		1	20-SOIC	296-1202-1-ND	Bus Driver, 8x	0.64	0.64	opt., if LEDs
CD74HC153M		1	16-SOIC	296-33029-5-ND	SPDIF Mux	0.96	0.96	2x 4-to-1 mux, 3.3V
TPS7A4700		2	QFP	296-34769-1-ND	LDO	5.70	11.40	optional
Bridge Rect.		1	SMT	641-1434-1-ND	BRECT	0.84	0.84	
RCA female		1	through hole	SC1852-ND	Phono Jack	0.99	0.99	el. S/PDIF
PLR135/T9		1	through hole	1080-1432-ND	opt. Rx	2.00	2.00	opt. TOSLINK
USB B conn.		1	SMT	732-3152-1-ND	USB B	3.30	3.30	USB B connector
Phono		1	SMT	CP-3523SJCT-ND		1.34	1.34	output phone
Phono		1	SMT	CP1-3515SJPICT-ND		1.94	1.94	input phone
XLR		2	through hole	SC1571-ND		2.98	5.96	XLR male
Header	1x2	36	through hole	A30786-ND	3.3/5V, H2	0.58	20.88	
Header	1x4	2	through hole	A30772-ND		1.04	2.08	XLR connector
Header	1x6	2	through hole	A1923-ND	H3	0.30	0.60	optional
Header	1x11	1	through hole	WM2709-ND		1.78	1.78	I2S, or 1x9 + 1x2
Header	2x3	2	through hole	A26569-ND		2.24	4.48	GND
Jumper Header	2x2	4	through hole	A106735-ND	J1..J4	1.01	4.04	opt. or 0R
Jumper Header	1x2	2	through hole	WM4374-ND	3.3V, /RES	0.36	0.72	
connector	1x7 female	1	through hole	S7040-ND	ext. USB	0.81	0.81	XMOS USB
connector	1x7 male	1	through hole	SAM1001-07-ND	ext. USB	4.38	4.38	XMOS USB
Resistor	75R	1	0603	P75DBCT-ND	0.10%	0.43	0.43	S/PDIF
	47K	2	0603	P47KDBCT-ND	0.10%	0.43	0.86	S/PDIF, /RES
	2.2K	1	0603	P2.2KDBCT-ND	0.10%	0.43	0.43	S/PDIF
	470R	1	0603	P470DBCT-ND	0.10%	0.43	0.43	/RES
	680R	1	0603	P680DBCT-ND	0.10%	0.43	0.43	FILT
	130R	6	0603	P130ABCT-ND	1.00%	0.11	0.66	LED R 3.3V
	2K	2	1206	P2.0KBCCT-ND	0.10%	0.79	1.58	RCA, 0.25W
	100R	4	0603	985-1257-1-ND	0.10%	0.54	2.16	RCA
Capacitor	4.7n	3	0603	445-2712-1-ND	5.00%	0.24	0.72	FILT + RCA
	68n	1	0603	399-7952-1-ND	5.00%	0.37	0.37	FILT
	0.1μ	1	0603	399-1097-1-ND	5.00%	0.11	0.11	S/PDIF
	1μ	17	0603	587-1242-1-ND	10V, 5.00%	0.10	1.70	Cb, some optional

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	10μ	1	1206	399-9309-1-ND	16V, 5.00%	2.50	2.50	/RES
	47μ	15	1206	445-8037-1-ND	6.3V	0.94	14.10	Cb,some optional
or:	68μ	14	1206	445-14671-1-ND	6.3V	1.24	17.36	Cb
or:	68μ	14	1206	445-14673-1-ND	10V	1.65	23.10	Cb
or:	100μ	14	1206	445-6008-1-ND	6.3V	1.10	15.40	Cb
Diode	Si Diode	1	0603	641-1282-1-ND	Schottky, 30V	0.45	0.45	/RES
Inductor	47μH	1	1206	490-6592-1-ND	100mA, 8R	0.77	0.77	TOSLINK
Inductor	12μH	1	SMT	308-1870-1-ND	2A	0.82	0.82	
Resistor	1R	1	1206	CSR1206FK1R00CT-ND	0.5W	0.54	0.54	9V-6V input
Oscillator	24.576MHz	1	SMD 4pin	535-12038-1-ND	3.3V	2.94	2.94	OSC
LED	ye/gr	6		VLMG1300-GS08CT-ND		0.73	4.38	LED
	gn	4	0603	1080-1405-1-ND		0.46	1.84	
	rd	1	0603	1080-1403-1-ND		0.38	0.38	
	ye	1	0603	1080-1404-1-ND		0.38	0.38	
	bl	0	0603	1080-1401-1-ND		0.85	0.00	3.15..3.8V !
	wh	0	0603	160-1721-6-ND		0.54	0.00	
Sum						USD	109.62	+ TAX

2-color LED	2	160-1714-ND	ye/rd	0.5	for front panel
2-color LED	1	160-1715-ND	gn/rd	0.5	for front panel
3-color LED	3	492-1179-ND	rd/bl/gn	4.6	PCB
		67-1829-ND	rd/gn/bl	7.26	
	3	754-1492-ND	rd/gn/bl	1.65	
Spacers		R938-7	round, 11.13mm	0.19	0.00
Standoff		952-1500-ND	hex, metal, 9mm	0.63	0.00
		952-1503-ND	hex, metal, 12mm	0.67	0.00
		952-2313-ND	hex, metal, 12mm	0.5	0.00
		24338K-ND	hex, metal, 12mm	0.66	0.00
		24434K-ND	hex, metal, 12mm	0.42	0.00
	30	25502K-ND	hex, plastic , 12mm	0.52	15.60
	12	25511K-ND	hex, plastic , 12mm	0.61	7.32
		25522K-ND	hex, plastic, 12mm	0.52	0.00
		25531-ND	hex, plastic, 12mm	0.61	0.00

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	20	952-2179-ND 25508K-ND	hex, metal, 5mm hex, plastic , 6mm	0.39 0.57	0.00 11.40	M3, no shaft M3, no shaft
Fuse holder	1	WK0011-ND		0.39	0.39	
Pwr connector	1	WM3212-ND WM3234-ND WM13500-ND			0.00 0.00 0.00	
					83.95	