

1DIFFQCTIP142BOM.xls

Quantity	Part	Value	Package	Manufacturer	Manufacturer #	Distributor	Distributor #
2	C1, C2	100u	E2-5	Panasonic Electronic Components	EEU-EB1A101	Digi-Key	P13114-ND
2	C3, C12	33u	E5-10,5	Nichicon	PLV1J470MDL1TD	Digi-Key	493-3874-1-ND
2	C4, C11	68p	C075-042X103	Cornell Dubilier Electronics (CDE)	CD15ED680JO3	Digi-Key	338-1091-ND
2	C5, C9	6.8p	C075-042X103	Cornell Dubilier Electronics (CDE)	CD15CD070DO3F	Digi-Key	338-2944-ND
1	C6	4.7u	C275-205X316	Vishay BC Components	BFC233920475	Digi-Key	BC2594-ND
1	C7	470p	C075-052X106	Cornell Dubilier Electronics (CDE)	CD15FD471JO3	Digi-Key	338-1043-ND
1	C8	220u	E3,5-8	Panasonic Electronic Components	ECE-A1AN221U	Digi-Key	P1156-ND
1	C10	22N	C075-052X106	Cornell Dubilier Electronics (CDE)	DME4S22K-F	Digi-Key	338-3323-ND
6	D1, D2, D5, D6, D8, D9	1N4148	DO35-10	Fairchild Semiconductor	1N4148	Digi-Key	1N4148FS-ND
3	D3, D4, D11	3V3	DO35Z10	Fairchild Semiconductor	1N5226BTR	Digi-Key	1N5226BFSCT-ND
2	D7,D10	MUR120	DO41-10	ON Semiconductor	MUR120RLG	Digi-Key	MUR120RLGOSCT-ND
2	F1, F2	10A	SH22,5	Schurter Inc	31.8201	Digi-Key	486-1258-ND
2	Q1, Q2	2N5401	TO92-EBC	ON Semiconductor	2N5401RLRAG	Digi-Key	2N5401RLRAGOSCT-ND
2	Q3, Q6	MJE340	TO126	Fairchild Semiconductor	MJE340STU	Digi-Key	MJE340STU-ND
4	Q4, Q5, Q10, Q11	TIP142	SOT93	ON Semiconductor	TIP142G	Digi-Key	TIP142GOS-ND
2	Q7, Q8	BC556B	TO92-CBE	Fairchild Semiconductor	BC556BTA	Digi-Key	BC556BTA-ND
1	Q9	MJE350	TO126	Fairchild Semiconductor	MJE350STU	Digi-Key	MJE350STU-ND
1	Q12	MPSW42	TO92-EBC	ON Semiconductor	MPSW42RLRAG	Digi-Key	MPSW42RLRAGOSCT-ND
3	R1, R7, R8	220	0207/10	Vishay/Dale	CMF55220R00FHEK	Mouser	71-CMF55220R00FHEK
1	R2	91	0207/10	Vishay/Dale	CCF0791R0GKE36	Mouser	71-CCF0791R0GKE36
1	R3	4.7k	0207/10	Vishay BC Components	CMF554K7000FHEK	Mouser	71-CMF554K7000FHEK
1	R4	1.5k	0207/10	Vishay/Dale	CMF551K5000FHEB	Mouser	71-CMF551K5000FHEB
1	R5	1.5k	R-EU_0617/17	Vishay BC Components	PR03000201501JAC00	Digi-Key	PPC1.5KW-3JCT-ND
1	R6	4.7k	R-EU_0207/10	Vishay/Dale	CPF14K7000JKEE6	Digi-Key	CPF4.70KDCT-ND
1	R9	4.3k	0207/10	KOA Speer	MF1/4DCT52R4301F	Mouser	660-MF1/4DCT52R4301F
3	R10, R19, R27	240	0207/10	Vishay/Dale	RN60D2400FB14	Mouser	71-RN60D2400F
4	R11, R12, R30, R31	0.22	0922/22	Vishay Sfernice	RWM0622R220JA15E1	Digi-Key	RWMB-.22CT-ND
2	R13, R20	10	0617/17	Vishay/BC Components	PR03000201009JAC00	Mouser	594-5093NW10R00J
1	R14	1k	0207/10	Vishay/Dale	CMF551K0000FKEB	Mouser	71-CMF551K0000FKEB
1	R15	100	0207/10	Vishay BC Components	SFR16S0001000FR500	Digi-Key	PPC100XCT-ND
1	R16	680	0207/10	Vishay/Dale	CMF07680R00GKR6	Mouser	71-CMF07680R00GKR6
2	R17, R23	22k	0207/10	Vishay/Dale	CCF0722K0GKE36	Mouser	71-CCF0722K0GKE36
1	R18	1.8k	0207/10	Vishay/Dale	RN60D1801FB14	Mouser	71-RN60D1801F
2	R21, R25	100k	0207/10	Vishay/Dale	CMF55100K00FHEK	Mouser	71-CMF55100K00FHEK
2	R22, R29	750	0207/10	Vishay/Dale	RN60D7500FB14	Mouser	71-RN60D-F-750
1	R24	2k	RTRIM3299W	Bourns Inc.	3299W-1-202LF	Digi-Key	3299W-202LF-ND
1	R26	470k	0207/10	Vishay/Dale	CMF07470K00GKR6	Mouser	71-CMF07470K2%T1TR
1	R28	68k	0207/10	Vishay/Dale	RN60D6802FB14	Mouser	71-RN60D6802F
1	R32	20	0207/10	Vishay/Dale	CMF6020R000FKEB	Mouser	71-CMF6020R000FKEB
1	X1	5mm	W237-102	On Shore Technology Inc	ED350/2	Digi-Key	ED1930-ND
5	quick connect			Keystone Electronics	1287	Digi-Key	1287K-ND
1	L1	1uH		Wind this yourself			

Alternative output transistors MJH11022GOS-ND,MJH11020GOS-ND,MJH6284GOS-ND