

Soundtracs Plc

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VCD-P12979

TPZ VCD IP CRD (P4)

Rev'n P4 AN2951RT 0.

Stock Number	Description	Quantity	Ref.
CAP0085	.ECQB1H332JF3 3N3 PANASON C201,301,401,501,601,701,801.	7	200
CAP0041	.ECEB2AU4R7SA 4U7/100V PA C25,225,325,425,525,625,725, 825.	8	230
CAP0043	.ECEB1VU220SA 220/25V PAN C28-32,34-38,33,39.	12	240
CAP00461	.100uF ECEB0JU101SA PAN C3-7,15,19,20,22,142,203-207, 215,219,220,222,303-307,315, 319,320,322,403-407,415,419, 420,422,503-507,515,519,522, 603-607,615,619,620,622, 703-707,715,719,720,722, 803-807,815,819,820,822.	72	250
CAP0095	.ECBT1H180JCW 18PF AXIAL C12,18,212,218,312,318,412, 418,512,518,612,618,712,718, 812,818.	16	280
CAP0097	.ECBT1H470JW 47PF AXIAL C21,23,221,223,321,323,421, 423,521,523,621,623,721,723, 821,823.	16	290
CAP0098	.ECBT1H101KBW 100PF AXIAL C26,226,326,426,526,626,726, 826.	8	295
IC-TL072	.TL072P STM IC3,4,203,204,303,304,403,404, 503,504,603,604,703,704,803, 804.	16	300
IC-SSM2017	.SSM2017P MIC AMP IC IC1,201,301,401,501,601,701, 801.	8	320
TAPE-VCD163	.NO163 WHITE SEQUENCING	9	

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TPZ VCD IP CRD (P4)

Rev'n P4 AN2951RT

Stock Number	Description	Quantity	Ref.
	467,468,520,523,525,526, 533-540,549,554-556,558-565, 567,568,620,623,625,626, 633-640,649,654-656,658-665, 667,668,720,723,725,726, 733-740,749,754-756,758-765, 767,768,820,823,825,826, 833-840,849,854-856,858-865, 867,868.		
R047K	.47K 1/4W 1% M/F R7,9,18,19,207,209,218,219, 307,309,318,319,407,409,418, 419,507,509,518,519,607,609, 618,619,707,709,718,719,807, 809,818,819.	32	110
R100K	.100K 1/4W 1% M/F R5,6,43,44,53,70,71,205,206, 243,244,253,270,271,305,306, 343,344,353,370,371,405,406, 443,444,453,470,471,505,506, 543,544,553,570,571,605,606, 643,644,653,670,671,705,706, 743,744,753,770,771,805,806, 843,844,853,870,871.	56	120
RR1M	.1M 1/4W 1% M/F R15,21,31,32,215,221,231,232, 315,321,331,332,415,421,431, 432,515,521,531,532,615,621, 631,632,715,721,731,732,815, 821,831,832.	32	130
D0009	.IN4003 SYMBOL D3,4:	2	140
CAP0016	.2N7 50V POLY CAP RADIAL C8,208,308,408,508,608,708, 808.	8	150
CAP0018	.6N8 50V POLY CAP RADIAL C9,209,309,409,509,609,709, 809.	8	160
CAP0026	.ECQB1H223JF3 22N PANASON C11,311,411,611,711.	5	170
CAP0027	.ECQB1H473JF3 47N PANASON C310,410,510,610,710,810.	6	180
CAP0029	.ECQV1H224JZ3 220N PANASO C13,213,313,413,513,613,713.	7	190

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TPZ VCD IP CRD (P4)

Rev'n P4 AN2951RT 0

Stock Number	Description	Quantity	Ref.
PCB-P12979	.TOPAZ 8W I/O PCB (F)	1	10
R000010R	.FRN1/4W 10R 5% R8,208,308,408,508,608,708, 808.	8	20
R001K	.1K 1/4W 1% M/F R3,4,48,203,204,248,303,304, 348,403,404,448,503,504,548, 603,604,648,703,704,748,803 804,848.	24	25
R001K5	.1K5 1/4W 1% M/F R16,17,28,29,216,217,228,229, 316,317,328,329,416,417,428, 429,516,517,528,529,616,617, 628,629,716,717,728,729,816, 817,828,829.	32	30
R002K2	.2K2 1/4W 1% M/F R46,50,52,57,246,250,252,257, 346,350,352,357,446,450,452, 457,546,550,552,557,646,650, 652,657,746,750,752,757,846, 850,852,857.	32	40
R003K3	.3K3 1/4W 1% M/F R41,42,66,241,242,266,341,342, 366,441,442,466,541,542,566, 641,642,666,741,742,766,841, 842,866.	24	50
R004K7	.4K7 1/4W 1% M/F R11-14,51,211-214,251,311-314, 351,411-414,451,511-514,551, 611-614,651,711-714,751, 811-814,851.	40	60
R006K8	.6K8 1/4W 1% M/F R22,27,222,227,322,327,422, 427,522,527,622,627,722,727, 822,827.	16	70
R010K	.10K 1/4W 1% M/F R1,2,10,24,30,47,201,202,210, 224,230,247,301,302,310,324, 330,347,401,402,410,424,430, 447,501,502,510,524,530,547, 601,602,610,624,630,647, 701,702,710,724,730,747, 801,802,810,824,830,847.	48	90
R022K	.22K 1/4W 1% M/F R20,23,25,26,33-40,49,54-56, 58-65,67,68,220,223,225,226, 233-240,249,254-256,258-265, 267,268,320,323,325,326, 333-340,349,354-356,358-365, 367,368,420,423,425,426, 473-480,489,494-496,498-499.	216	100

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TPZ REC8 IP CRD (B5)

Rev'n B5 AN3133RT

Stock Number	Description	Quantity	Ref.
VCD-P12979	.TPZ VCD IP CRD (P4)	1	10
D0014	.EL2041D RED LED L1-3,201-203,301-303,401-403, 501-503,601-603,701-703, 801-803.	24	150
D0047	.EL1224 VCD 3mm GREEN D1,2,201,202,301,302,401,402, 501,502,601,602,701,702,801, 802.	16	160
CAP0016	.2N7 50V POLY CAP RADIAL C14,16,214,216,314,316,414, 416,514,516,614,616,714,716, 814,816.	16	170
CAP0026	.ECQB1H223JF3 22N PANASON C211,511,811.	3	190
CAP0027	.ECQB1H473JF3 47N PANASON C10,210.	2	200
CAP0028	.ECQV1H104JZ3 100N PANAS C24,224,324,424,524,624,724, 824.	8	210
CAP0029	.ECQV1H224JZ3 220N PANASO C17,217,317,417,517,617,717, 813,817.	9	220
CAP0074	.1000U/10V ECEA1AU102B C2,202,302,402,502,602,702, 802.	8	260
CAP0085	.ECQB1H332JF3 3N3 PANASON C1.	1	270
IC-TL074	.TL074CN STM IC2,202,302,402,502,602,702, 802.	8	310
TRN-BC549C	.BC549C ITT T1,2,201,202,301,302,401,402, 501,502,601,602,701,702,801, 802.	16	330
SW000042	.ESB68143-CJ 2 POLE VERT S1-18,201-218,301-318,401-418, 501-518,601-618,701-718, 801-818.	144	340
POT000147	.5K POT VR1,201,301,401,501,601,701, 801.	8	350
POT000107	.10K LIN ALPS POT VR2,4,6-9,202,204,206-209,302, 304,306-309,402,404,406-409,	48	360

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TPZ REC8 IP CRD (B5)

Rev'n B5 AN3133RT 11

Stock Number	Description	Quantity	Ref.
POT000108	606-609,702,704,706-709,802, 804,806-809. .50K LOG ALPS POT VR10-14,210-214,310-314, 410-414,510-514,610-614, 710-714,810-814.	40	370
POT000109	.100K ^LOGx2 ALPS POT VR3,5,203,205,303,305,403,405, 503,505,603,605,703,705,803, 805.	16	380
OT000110	.10K LINx2 ALPS POT VR15,16,215,216,315,316,415, 416,515,516,615,616,715,716, 815,816.	16	390
OT000135	.EVAJQ4R17Y14 10KLOG FDR VR17,217,317,417,517,617,717, 817.	8	400
DR-VLMG-10WAY	.FCN-744P010-AU/R CN2,4.	2	410
HDR-VLMG-16WAY	.FCN-744P016-AU/R CN5,6.	2	420
W-TAB-1/4V	.PCB1-250HTD 6.3x.8MM CN7.	1	440
DC-156-02VLMH	.3100-8-102-01 CN8.	1	450
4W-M3x19-CSFA	.B11574/08 (F) SPACER	9	
4W-M3x10-MSPAC	.A13005/01 ISSUE A	16	
W-M3-FLAT	.M3 FLATWASHER BS4163BZCP	32	
W-M-C13085/01	.0918 000 0664 ISS(P1)	2	
3LD001	.FLOWSOLDER (4BARS/KG)LDC	0.001	
D-FLUX	.FLUX SMT35-10 (20LTR/DM)	0.001	

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ISS	REVISIONS
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P3	3/11/93
A	12/11/93

The diagram illustrates the internal circuitry of the IO Channel Rear, featuring two identical IC-TL072 op-amp stages (IC1-A and IC1-B) for signal processing. Inputs include MIC, LINE, and TAPE RETURN, which are routed through various resistors and capacitors to the op-amp inputs. The outputs of these stages are connected to 8 channels (CH1-CH8) via a series of connectors (CN1-CN7) and resistors. A table at the bottom right provides the component reference start numbers for all 8 channels, indicating that channels 5-8 are identical to channels 1-4 with an offset of 401, 501, 601, and 701 respectively.

ALL 8 CHANNEL CIRCUITS ARE THE SAME FOR COMPONENT REF START NO. SEE CHART BELOW			
CHANNEL	START REF	CHANNEL	START REF
1	AS ABOVE	5	401
2	101	6	501
3	201	7	601
4	301	8	701

COPYRIGHT. THIS DRAWING IS THE PROPERTY OF SOUNDTRACS PLC. & THE INFORMATION ON IT IS CONFIDENTIAL & NOT TO BE USED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF SOUNDTRACS PLC.	PCB DUMP FILE	HIER DUMP FILES	SOUNDTRACS PLC 91, EWELL ROAD, SURBITON, SURREY. KT8-6AH. TEL: 081-399 3392. FAX: 081-399 8821 TELEX: 8951873 STRACS G.	TITLE IO CHANNEL REAR	SIZE	SHEET 1 OF 1 SHEETS	
	CIRCUIT DUMP FILES				DRAWN TW	CHECKED	APPO
					DRAWING NO. S12980		ISSUE A

DRAWN	TW	CHECKED	APPO
DRAWING NO. S12980		ISSUE A	

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VCD-P12980

TPZ VCD REAR IP CARD(P3

Rev'n P3 AN2548BL 31

Stock Number	Description	Quantity	Ref.
PCB-P12980	.TOPAZ REAR IP PCB (D)	1	10
R000047R	.47R 1/4W 1% M/F R6,106,206,306,406,506,606, 706.	8	20
R000100R	.100R 1/4W 1% M/F R20,120,220,320,420,520,620, 720.	8	30
R001K	.1K 1/4W 1% M/F R3,103,203,303,403,503,603, 703.	8	40
R001K5	.1K5 1/4W 1% M/F R1,2,101,102,201,202,301,302, 401,402,501,502,601,602,701, 702.	16	50
R003K3	.3K3 1/4W 1% M/F R21,121,221,321,421,521,621, 721.	8	60
R006K8	.6K8 1/4W 1% M/F R4,5,16,19,104,105,116,119, 204,205,216,219,304,305,316, 319,404,405,416,419,504,505, 516,519,604,605,616,619,704, 705,716,719.	32	70
R010K	.10K 1/4W 1% M/F R7,8,11,12,14,18,107,108,111, 112,114,118,207,208,211,212, 214,218,307,308,311,312,314, 318,407,408,411,412,414,418, 507,508,511,512,514,518,607, 608,611,612,614,618,707,708, 711,712,714,718.	48	80
R020K	.20K 1/4W 1% M/F R9,15,109,115,209,215,309,315, 409,415,509,515,609,615,709, 715.	16	90
R027K	.27K 1/4W 1% M/F R10,13,110,113,210,213,310, 313,410,413,510,513,610,613, 710,713.	16	100
R100K	.100K 1/4W 1% M/F R17,22,23,117,122,217,222,223, 317,322,323,417,422,423,517, 522,523,617,622,623,717,722, 723,823.	24	110
D0069	.BAV21 SWITCHING DIODE D1-4,101-104,201-204,301-304, 401-404,501-504,601-604, 701-704.	32	120

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P12980

TOPAZ REAR IP CARD(P8

Rev'n P8 AN2475BL

Stock Number	Description	Quantity	Ref.
VCD-P12980	.TPZ VCD REAR IP CARD(P3	1	10
CAP0043	.ECEB1VU2205A 22U/25V PAN C13.	1	140
CAP0045	.ECEA1JU470 47U/63V PANAS 4,9,104,109,204,209,304,309, 404,409,504,509,604,609,704, 709.	16	150
CAP0074	.1000U/10V ECEA1AU102B C5,105,205,305,405,505,605, 705.	8	170
IC-TL072	.TL072P STM IC1,101,201,301,401,501,601, 701.	8	190
CON0139	.NJ5FDV VERT STER JACK CN1-4,101-104,201-204,301-304, 401-404,501-504,601-604, 701-704.	32	200
CON0140	.NC3FPRV024 VERT FEM XLR CN5,105,205,305,405,505,605, 705.	8	210
CON0142	.0918-540-7914 40W VERT CN6,7.	2	220
SLD001	.FLOWSOLDER (4BARS/KG)LDC	0.001	
SLD-FLUX	.FLUX SMT35-10 (20LTR/DM)	0.001	

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VCD-P12980

TPZ VCD REAR IF CARD(P3

Rev'n P3 AN2548BL 3

Stock Number	Description	Quantity	Ref.
CAP0041	.ECEB2AU4R7SA 4U7/100V PA C2,102,202,302,402,502,602, 702.	8	130
CAP0043	.ECEB1VU220SA 22U/25V PAN C14,15,16.	3	140
CAP00461	.100uF ECEB00VU101SA PAN C11,12,111,112,211,212,311, 312,411,412,511,512,611,612, 711,712.	16	160
CAP0097	.ECBT1H470JW 47PF AXIAL C7,8,10,107,108,110,207,208, 210,307,308,310,407,408,410, 507,508,510,607,608,610,707, 708,710.	24	180
TAPE-VCD163	.ND163 WHITE SEQUENCING	7	

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