DSP OUT
RIGHT XFD
R329 10K
C266 22
B50K P39.A
C265 39pF
R364 47K
A47.A
R314 10K
C204 0.0022u
A14.B
R300 10K
C113 22
DSP R
BYPASS1
BYPASS DSP
S25.B
LEFT XFD
R330 10K
C268 22
B50Kx2 P39.B
C267 39pF
R365 47K
A47.B
10K R313
C203 0.0022u
A14.A
R301 10K
C114 22
DSP L
0.1u C231
A GND
C230 0.1u
+5V
C229 0.1u
DZF2 DZF1 NC AVB AOUTR2 AOUTL2 NC AOUTR1 AOUTL1 VRDAL AVSS AVDD VRDAH NC AINR- AINR+ AINL- AINL+ VCOM VRADL AVSS AVDD VRADH AVB NC
DVB DVB DVDD DVSS DZFSET DVDD DVSS IO7 IO6 IO5 IO4 IO3 IO2 IO1 IO0 OE A0 A1 A2 A3 A4 A5 A6 A7 A8
U1
C182 0.1u
T10 T16 T9 T15 T8 T12 T11 T13 T14
A16 A15 A14 A13 A12 A11 A10 A9 A8
VCC GND
I/O7 I/O6 I/O5 I/O4 I/O3 I/O2 I/O1 I/O0 N/C
U4 IDT71024
WE OE CS1 CS2
DVDD DVSS A9 A10 A11 A12 A13 A14 A15 A16 WE RASCE CASRF SO DRDY WRDY S1 SCLK DVDD DVSS WRD CS TSTI2 XTO XTI
T7 T6 T5 T4 T3 T2 T1 T0
C226 0.1u
DSP R
DSP L
C14 22u
C207 0.1u
R304 330Ω smt 1/4w
C208 0.001u
R303
R309 330Ω smt 1/4w
R310 330Ω smt 1/4w
C215 0.001u
C219 22u
C216 0.1u
C218 22u
C217 0.1u
VCOM
R293 10K smt 1/4w
R294 10K smt 1/4w
C225 0.1u
R319 330Ω smt 1/4w
R291 330Ω smt 1/4w
10K smt 1/4w R292
C145 0.1u
P2 cw
ADJUST
C135 0.1u
P4 cw
EFFECTS
N:530
N:525
N:517
DSP IN
R311 10K
C205 220pF
R307 10K
R308 10K
C206 39pF
A29.A A29.B
R306 4.7K smt 1/4w
R302 4.7K smt 1/4w
C202 22u
C220 0.1u
C250 0.1u
A GND
C181 0.1u
C281 22u
TSTI1 OPCL PDAD PDDA PD RST TSTIO1 TSTIO2 TSTIO3 DVB DVB SDIN2 SDAD SDOUT2 SDDA SDDA2 SDOUT3 SDOUT1 SDIN1 SMODE BCLK LRCK CLKO DVDD DVSS
U2 8x LPC764
P0.0 P1.7 P1.6 P1.5 P2.1 P2.0 P1.4 P1.3 P1.2 VDD
P0.1 P0.2 P0.3 P0.4 P0.5 P0.6 P0.7 P1.0 P1.1
VSS
Y1 16.44MHz
C224 27pF
C223 27pF
C232 0.1u
C221 0.1u
C222 0.1u
N:517
+5V
D44 CLIP 1
C233 0.1u
100Ω R296
330Ω R316
BYPASS1
R320 22K
C234 0.1u
R295 10K
R297 10K smt 1/4w
H13.A H13.B H13.C H13.D
JMP JMP
R299 100K smt 1/4w
C235 0.1u
C227 0.1u
C250 0.22µF
H13.E H13.F H13.G H13.H
680Ω smt 1/4w R298
C236 0.1u
R297 1K smt 1/4w
N:525
N:530
PROC A
R349 10K
C263 82pF
A49.A
R86 10KΩ
C248 22u
C27.A
PROC B
R359 10K
C264 82pF
A49.B
R176 10KΩ
C249 22u
C28.A
R389 100K
R398 100K
R399 100K
S6.A
MIC PROC
C237 22u
PROC MICS
DSP INPUT
P38 B50K cw
C260 39pF
A46.A
C202 22u
R312 10KΩ
DSP IN
+8VDC
7805 +5V
Q27
.1cer C27
C7 .1cer
A GND
TR1
C172 82µF 400V
C301 .01 / 400V
Z1 P6KE200CA
D27 UFast 600V 1A
U3
C165 180pf
D25 UFast 600V 1A
D26 UFast 600V 1A
D42 UFast 600V 1A
L1 100µH
L2 100µH
L4
C159 1000
C160 1000
C161 1000
C162 1000
C19 1000
C53 22µF smt
E1 MOUNT
EARTH
H9.H H9.E H9.F H9.G H9.I H9.J
H10.H H10.E H10.F H10.G H10.I H10.J
+8V
+8VDC
C158 .0047µF
C166 22µF
R68 3.9K
D28 1N914
R67 68Ω
15-86020G
Q3 VIPer100
VDD Drain OSC Comp Source
fsw=107kHz
R84 560Ω
OP1 NEC2501
Z2 16V
R64 5.6K
C168 0.01µF
C167 .01
POWER
F1
S20
L N E
PL1
EARTH
C282 0.47µF
.027µF C238
L8 300µH
C241 .027µF
L3
L10 300µH
C239 .027µF
D32 D33 D31 D34
C171 0.001µF 400V
EARTH
R413 4.7Ω
22u C117
+15VP
R414 4.7Ω
-15VP
C257 22u
+15VDC P
R274 4.7Ω
R275 4.7Ω
C18 22u
-15VDC N
R339 4.7Ω
R340 4.7Ω
C118 22u
A GND
STN1
STN2
-15VDC LEFT METER -15VDC
RIGHT METER -15VDC
15K CLIP
43K +18
27K +12
15K +6
6.8K 0
3.9K - 6
1.8K - 12
910Ω - 18
470Ω - 24
270Ω - 30
330Ω
R108 R109 R111 R113 R115 R116 R30 R31 R32 R33 R34
A17.A A17.B A22.C A22.D A22.A A22.B A19.C A19.D A19.A A19.B
D10 D9 D8 D7 D6 D5 D4 D3 D2 D1
Q2
R142 68
C212 0.1µF
1k R145
1k R144
R110 10k
D22 D21
Q1
R143 68
C211 0.1µF
D20 D19 D18 D17 D16 D15 D14 D13 D12 D11
A16.A A16.B A20.C A20.D A20.A A20.B A18.C A18.D A18.A A18.B
+15VDC
-15VDC
D43
POWER
R317 4.7K
R139 10K
C43 82P
A17.D
R138 10K
A17.C
R22 220K
LEFT METER
C24 22
R140 10K
L MAIN
R48 10K
R137 10K
C79 82P
A16.D
R136 10K
A16.C
R85 220K
RIGHT METER
C51 22
R141 10K
R105 10K
R MAIN