+12-15V
POWER
L7 FB
L8 FB
+12-15V
R4 220
Q4 BC856B
Q8 BC856B
R5 82k
C31 15u
C32 1800u
VREF
D4 1N4001G
R9 43k
R10 510
TP1
TP2
L9 FB
+9.3V
R11 15
R12 750
D1 RED0805
D2 RED0805
D3 RED0805
C33 1800u
U1.1 AD815ARBZ-24
R17 0
R20 510
TP3
L10 FB
+10V
R30 620
U1.2 AD815ARBZ-24
C70 1800u
+10V
R1 5k1
R2 5k1
R3 5k1
Q1 BC856B
Q2 BC856B
Q3 BC856B
BC856B Q5
BC856B Q6
BC856B Q7
R6 1M
R7 1M
R8 1M
BCLK
WSEL
DAT
R79 1R5
R81 8R2
R80 33
L1 502u
L2 502u
L3 400u
C58 33n
C59 33n
C60 47n
C61 NF
C62 22n
C63 NF
C1 NF
C2 10n
C3 100n
C4 100n
C5 100n
C6 100n
C7 47n
C8 NF
C9 100n
C10 100n
C11 22n
C12 6n8
C13 2n2
C14 100n
C15 NF
DAC-L
filter-L
P1
Double row of needle2*10 pitch2.0mm
R82 1R5
R83 8R2
R84 33
L4 502u
L5 502u
L6 400u
C64 33n
C65 33n
C66 47n
C67 NF
C68 22n
C69 NF
C16 NF
C17 10n
C18 100n
C19 100n
C20 100n
C21 100n
C22 47n
C23 NF
C24 100n
C25 100n
C26 22n
C27 6n8
C28 2n2
C29 100n
C30 NF
DAC-R
filter-R
P2
Double row of needle2*10 pitch2.0mm
R40 1M
TP5
R41 1
R42 510
U4 74HC86D
C43 1u
R43 510
WS
R46 1M
R48 510
CLK
R45 1k6
U5 TL431
R51 1M
PHASE
R50 1M
DATA
GND
WS
CLK
R56 43K
C45 2n2
R65 43K
C46 2n2
+10V
TP4
R86 2k2
R77 1k6
C53 2n2
R70 43K
C55 1800u
R78 2k2
U9 TL431
U7 TDA1387T
U10 TDA1387T
U11 TDA1387T
U12 TDA1387T
U13 TDA1387T
U14 TDA1387T
BCK
WS
DATA
GND
IoR
IoL
REF
Vcc
DAC-R
DAC-L
+9.3V
C75 1u
WSEL
DAT
1800u C57
P3
2*10 pitch 2.0mm
DAC-L
filter-L
R27 47
C73 2n2
+10V
R73 43k
R74 68k
Q27 BC846B
Q28 BC846B
R76 220
P4
2*10 pitch 2.0mm
DAC-R
filter-R
R85 47
C74 2n2
+10V
R37 43k
R38 68k
Q17 BC846B
Q18 BC846B
R44 220
C41 15u
U2 AD829
R19 1R5
910
R22
47
R29
VREF
R32 15
C40 180p
R33 15
+10V
Q9 BC856B
BC856B Q10
R13 100
R15 30k
R18 16k
TP6
R23 16k
R28 2k2
BC856B Q13
BC856B Q14
C35 NF
C36 1n
R24 16k
R25 6k2
R14 43k
C34 68p
C37 2n2
C38 680p
+10V
R31 1R5
C71 5p
VREF
C42 15u
U3 AD744
R39 15
+10V
Q11 BC856B
BC856B Q12
R16 100
R21 30k
R26 16k
TP8
R34 47
C39 15u
OUT-L pad
R35 2k2
BC856B Q15
BC856B Q16
R36 30k
C54 15u
U6 AD829
R55 1R5
910
R58
47
R64
VREF
R67 15
C52 180p
R68 15
+10V
Q19 BC856B
BC856B Q20
R47 100
R52 30k
R54 16k
TP7
R59 16k
R63 2k2
BC856B Q23
BC856B Q24
C47 NF
C48 1n
R60 16k
R61 6k2
R49 43k
C44 68p
C49 2n2
C50 680p
+10V
U8 AD744
R66 1R5
C72 5p
VREF
C56 15u
R75 15
+10V
Q21 BC856B
BC856B Q22
R53 100
R57 30k
R62 16k
TP9
R69 47
C51 15u
OUT-R pad
R71 2k2
BC856B Q25
BC856B Q26
R72 30k
A-GND pad

TITLE: PhiDAC hex r1		REV: 0
立创EDA	Company:	Sheet: 1/1
	Date: 2020-04-10 Drawn By:	