



/A??8?14?1?80 MHz??A/D????????????????????????16??  
?30MHz??A/D????????????A/D????????????????????????IC????????????????????/?????A /D??????  
????????????????IC????????????DSP?????CPU?I/O????????????????????2006????????????3 mm x3  
mm 10??LFCSP(?????????)??????16 bit??????(DAC) ??????????????????????????—————  
??????????70%??  
?????PN????PN??PNP?NPN????IC??????  
??-????????-?????-  
????????????????????????????????????(A /D????D /A????)????????????????????)????????(????????/  
??????)????????(????????????????)????????????IC??IC????????????????????????????????????  
?????;??;????????  
????????????IC??IC??  
????????????????????IC??1?0????????????EDA??  
Foundry??PDK????????????????????IC??IC????  
??IC?????——SOC????????????????????  
????????????????????????????????50%?????1986?????Gray?????????“?”????????????IC??IC????/  
????(A/D)?????/???? (D/A )????????????????IC????????IC?????A/D?D/A????????????????????  
??A /D????????????????????????D  
/A??8?14?1?80 MHz??A/D????????????????????16??  
?30MHz??A/D????????????A/D????????????????????????IC????????????????????/?????A /D??????  
????????????????IC????????????DSP?????CPU?I/O????????????????????2006????????????3 mm x3  
mm 10??LFCSP(?????????)??????16 bit??????(DAC) ??????????????????????????—————  
??????????70%??  
??  
?????????CPU??IC????????????SOC??;????  
??IC????????????????????????????????????  
?????????;????????????????????????????????????D?D?PDA????????????????????PC????????????  
????????????????1 ??????SOC??  
??(CPU  
)??????( Embedded memory)????????(DSP)????????(Digital function)???????? (Analog



