

Audio DSP Part Number Decoder

Device DSP DSP B 56366 PV 120 C Temp Range
Blank = 0 to 70
C = -40 to 85

Family Device Packaging: FU = 100 pin LQFP

PV = 144 pin LQFP

AE/AF/AG = 52/80/144 pin LQFP Lead Free

Licensing Requirements/Current part numbers:

DSPB56362(PV/AG)120 B = GENERIC

DSPF56362(PV/AG)120 F = DOLBY AC3, DTS, PCM, AND MPEG DECODERS (EXT MEMORY REQUIRED)

56364 100 MIPS

56362

120

MIPS

DSPB56364(AF/FU)100 B = GENERIC

56366 120 MIPS

DSPB56366(PV/AG)120 B = GENERIC

DSPD56366(PV/AG)120 D = DOLBY AC3, DTS, PCM AND MPEG DECODERS (NO EXT MEMORY REQUIRED)

56367 150 MIPS DSPB56367(PV/AG)150 B = GENERIC

DSPD56367(PV/AG)150 D = DOLBY AC3, DTS, DTS-ES, DTS neo6, Prologic II, DTS 96/24 (no ext memory required) & AAC DECODERS: MIPs improvement

56371 150/ 180

56374

150 MIPS 150MHz are -40C to 85C Ta; 180MHz are 0 to 70C Ta
DSPA56371AF150/180 A = DSPD56367 without external memory; Includes DTS 96/24, AAC.

DSPB56371AF150/180 B = GENERIC, Include MiniSA+PPP

DSPC56371AF150/180 C = WMA, PLIIx, Neo:6 2.5046, DTS 2.3, AAC, Dolby Headphone/Dolby

Virtual Speaker

DSPD56371AF180 D = DD/DTS 5.1 decoding + Dolby Headphone & Dolby Virtual Speaker coefficients built-in

DSPB56374(AE/AF)

B = GENERIC, Includes MiniSA+Post Processing Phases (PPPs)

D = Dolby Digital, Dolby PLII, Dolby Headphone & Dolby Virtual Speaker