Digital Filter Pin Cross Reference - DIP28 or SOIC28

Rev: 30.4

NOTE: NC = NO CONNECTION

Pin #	SM5842	SM5813 / DF1700	DF1704E	DF1706-3.3V	PMD100	SM5803	SM5843	Pin #	RESISTOR	SM5842	SM5813 / DF1700	DF1704E	DF1704E	DF1706-3.3V	DF1706-3.3V	DF1706-3.3V	DF1706-3.3V	PMD100	SM5803	SM5843	Value	
1	DI / INF2N	DIN	DIN	DIN	DIN	DIN	DI / INF2N	1														
2	BCKI	BCKI	BCKIN	BCKIN	BCKI	BCKI	BCKI	2														
3	CKSLN	CKSL_	I2S	I2S	XTIM	CKSL_	CKSLN	3	R8	0R	0R	0R	0R	0R	0R	NC	NC	0R	0R	0R	0R	
3								3	R206	NC	NC	NC	NC	NC	NC	10K	10K	NC	NC	NC	10K	
4	INF1N	CKDV_	IW0	IW0	DITH	CKDV_	INF1N	4	R7	0R	NC	0R	NC	0R	NC	NC	NC	NC	NC	0R	0R	
4								4	R204	NC	NC	NC	10K	NC	10K	10K	10K	10K	NC	NC	10K	DF1704/1706: Pin 4 and 5
5	IW1N / DIL	NC	IW1	IW1	GAIN	8X_	IW1N / DIL	5	R2	NC	NC	0R	NC	0R	NC	0R	0R	NC	0R	NC	0R	select input digital format
5								5	R207	NC	NC	NC	10K	NC	10K	NC	NC	NC	NC	NC	10K	
6	XTI	XTI	XTI	XTI	XTI	XTI	XTI	6														
7	XTO	XTO	XTO	XTO	VDD1	XTO	XTO	7	R195	NC	NC	NC	NC	NC	NC	NC	NC	0R	NC	NC	0R	
7								7	R196	NC	NC	NC	0R	NC	0R	0R	0R	0R	NC	NC	0R	
8	VSS	VSS1	VSS	VSS	VSS1	VSS1	VSS	8														
9	CKO	CKO	CLKO	CLKO	PROG	CKO	CKO	9	R193	NC	NC	NC	NC	NC	NC	NC	NC	0R	NC	NC	0R	
10	IW2N / DIR	SYN_	MODE	MODE	OSIZ0	MS1	IW2N / DIR	10	R3	NC	NC	0R	0R	0R	0R	0R	0R	0R	J53-1	NC	0R	
10								10	R208	NC	NC	NC	NC	NC	NC	NC	NC	NC	MS1	NC	10K	
11	OW1N	NC	MD / CKO	MD /CKO	OSIZ1	MS2	MDT	11	R9	0R	NC	NC	NC	0R	0R	0R	0R	NC	J53-2	NC	0R	
11								11	R199	NC	NC	NC	NC	NC	NC	NC	NC	10K	MS2	NC	10K	
12	OW2N	NC	MC / LRIP	MC /LRIP	COB_	MS3	MDK	12	R1	NC	NC	0R	0R	0R	0R	0R	0R	NC	J53-3	NC	0R	
12								12	R198	NC	NC	NC	NC	NC	NC	NC	NC	10K	MS3	NC	10K	
13	SYNCN	NC	ML /RESV	ML /RSV	JUST	MDT	MLEN	13	R4	NC	NC	NC	NC	NC	NC	NC	NC	NC	J53-4	NC	0R	
13								13	R197	NC	NC	NC	NC	NC	NC	NC	NC	10K	MDT	NC	10K	
14	RSTN	RST_	RST	RST_	BCPL	MEN_	RSTN	14	C8	330pF	100pF	330pF	330pF	330pF	330pF	330pF	330pF	0R	J53-5	330pF	SEE value	
14								14	R187	0R	0R	0R	0R	0R	0R	0R	0R	NC	MEN_	0R	0R	
15	DEMPR	COB_	MUTE	MUTE_	SMUTE	MUTE	MUTE	15	R10	0R	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	0R	
15								15	R179	NC	NC	NC	NC	NC	NC	NC	NC	0R	0R	0R	0R	
15								15	R213	NC	NC	0R	0R	0R	0R	0R	0R	NC	NC	NC	0R	
15								15	R75	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10K	
16	DEMPL	OW20_	DEM	DEM	DEEMPH	DIEM	DEMP	16	R5	0R	0R	0R	0R	0R	0R	0R	0R	0R	0R	0R	0R	
16								16	R211	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10K	
17	FSEL1	OW18_	SF0	SF0	HMUTE	FSEL1	FSEL1	17	R188	0R	NC	0R	0R	0R	0R	0R	0R	0R	0R	0R	0R	
17								17	R210	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10K	
18	FSEL2	NC	SF1	SF1	FSEL	FSEL2	FSEL2	18	R189	0R	NC	0R	0R	0R	0R	0R	0R	0R	0R	0R	0R	
18								18	R209	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	10K	
19	MUTER	NC	OW0	OW0	SCAL	DGR	OW20N	19	R191	NC	NC	0R	NC	0R	NC	NC	0R	0R	NC	0R	0R	
19								19	R186	0R	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	0R	
19								19	R201	NC	NC	NC	10K	NC	10K	10K	NC	NC	NC	NC	10K	DF1704/1706: Select output
20	MUTEL	DG	OW1	OW1	DG	DGL	SYNCN	20	R192	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	0R	20 bit or 24 bit
20								20	R183	0R	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	0R	
20								20	R200	NC	NC	10K	10K	10K	10K	10K	10K	NC	NC	NC	10K	
21	DITHN	VSS2	NC	X4	VSS2	VSS2	TMOD1	21	R6	0R	0R	NC	NC	0R	0R	0R	0R	0R	0R	0R	0R	
22	VDD	VDD	VDD	VDD	VDD2	VDD	VDD	22														
23	DOR	DOR	DOR	DOR	DOR	DOR	DOR	23														
24	DOL	DOL	DOL	DOL	DOL	DOL	DOL	24														
25	WCKO	WCKO	WCKO	WCKO	WCKO	WCKO	WCKO	25														
26	BCKO	BCKO	BCKO	BCKO	BCKO	BCKO	BCKO	26														
27	DG	FSCO	SRO	SRO	HDCD	FSCO	TMOD2	27	R190	NC	NC	NC	NC	0R	0R	NC	NC	NC	NC	NC	0R	Use R190 0R or J12 shorted to
27								27	R194	NC	NC	NC	NC	NC	NC	0R	0R	680R	NC	NC	680R	set fast roll off. If Pin 27 is H,
27								27	R202	NC	NC	NC	NC	NC	NC	10K	10K	NC	NC	NC	10K	then slow roll off
28	LRCI	LRCI	LRCIN	LRCIN	LRCI	LRCI	LRCI	28														
PMD100 only								PMD100	C332/C333	NC	NC	NC	NC	NC	NC	NC	NC	**0.1uF**	NC	NC	0.1u	
									C334	NC	NC	NC	NC	NC	NC	NC	NC	**10uF 25V**	NC	NC	10u	
									R194	NC	NC	NC	NC	see pin 27	see pin 27	see pin 27	see pin 27	**680R**	NC	NC	680R	
									D42 (LED)	NC	NC	NC	NC	NC	NC	NC	NC	**0805 LED**	NC	NC	0805 LED	
									J12 (LED Connect)	NC	NC	NC	NC	NC	NC	Shorted = Fast	Open = Slow roll	**2.54mm pin**	NC	NC	2.54mm PIN	See pin 27 above
DF1706 only								DF1706	C335	NC	NC	NC	NC	**0.1u 0805**	**0.1u 0805**	**0.1u 0805**	**0.1u 0805**	NC	NC	NC	0.1u 0805	
									R203	NC	NC	NC	NC	**0R**	**0R**	**0R**	**0R**	NC	NC	NC	0R	
									L10	Bead	Bead	Bead	Bead	**NC**	**NC**	**NC**	**NC**	Bead	Bead	Bead	Bead	
									U31	NC	NC	NC	NC	**AMS1117-3.3V**	**AMS1117-3.3V**	**AMS1117-3.3V**	**AMS1117-3.3V**	NC	NC	NC	SOT223 3,3V	
									L12	Bead	Bead	Bead	Bead	**NC**	**NC**	**NC**	**NC**	Bead	Bead	Bead	Bead	
									R212	NC	NC	NC	NC	**0R**	**0R**	**0R**	**0R**	NC	NC	NC	0R	
									C355	NC	NC	NC	NC	**0.1u 0805**	**0.1u 0805**	**0.1u 0805**	**0.1u 0805**	NC	NC	NC	0.1u 0805	
									U33	NC	NC	NC	NC	**AMS1117-3.3V**	**AMS1117-3.3V**	**AMS1117-3.3V**	**AMS1117-3.3V**	NC	NC	NC	SOT223 3,3V	
									On Bottom side													
									On TOP side													

Pin 19 and 20 on Digital Filter (DAC	20bit output	24 bit Output	20bit output	24 bit Output	24 bit Output	20bit output
Pin 4 and 5 on Digital Filter	Input mode 16 bit R Just	Input mode 24bit L Just	Input mode 16 bit R Just	Input mode 24bit L Just	Input mode 24bit I2S	Input mode 24bit I2S
DAC used	For 63/1702	For PCM1704	For PCM63/1702	For PCM1704	For PCM1704	For PCM63/1702
WM8804 select m	R43/R214 10k	R214/R215 10k	R43/R214 10k	R214/R215 10k	R43/R49 10k	R43/R49 10k
Pin 27 - Set Low; use R190 or 0R J12 shorted & R194 0R			Filter Fast roll off	Filter Fast roll off	Filter Fast roll off	Filter Fast roll off