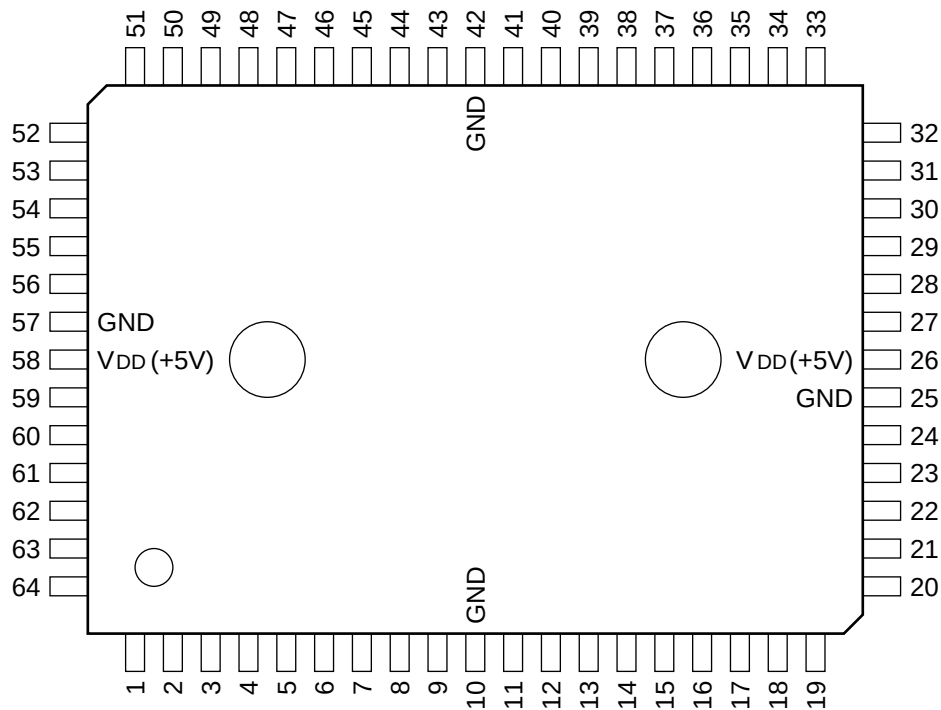

CXD2214Q (1/3)
IL08

C-MOS TBC READ SIGNAL GENERATOR - TOP VIEW -



(V_{DD} = +5V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	SDII	17	O	VSRO	33	I	CIOI	49	O	RZO
2	I	SCKI	18	O	LLTO	34	I	ADVI	50	O	F2HO
3	I	STBI	19	O	PLTO	35	I	COFI	51	O	FHO
4	I	TS1I	20	O	CFPO	36	I	VPI	52	O	PHOO
5	I	TS2I	21	I	EXFI	37	I	SDLI	53	I	PHII
6	I	TS3I	22	I	CFEI	38	O	FOEO	54	O	INTO
7	I	TMI	23	O	VSCO	39	O	SIDO	55	O	HCKO
8	I	TM1I	24	O	SCO	40	O	VDO	56	I	HCKI
9	I	TM2I	25	–	GND	41	O	VOO	57	–	GND
10	–	GND	26	–	V _{DD}	42	–	GND	58	–	V _{DD}
11	O	SYO	27	I	VXOI	43	O	RDVO	59	O	PHHO
12	O	BFO	28	O	SWO	44	O	CBKO	60	O	HRO
13	O	CLPO	29	O	SFHO	45	O	YBKO	61	I	EXSI
14	O	CIPO	30	O	SIVO	46	O	HSO	62	I	MD1I
15	O	CIBO	31	O	TPCO	47	O	H2BO	63	I	MD2I
16	O	VSBO	32	I	CMI	48	O	HBO	64	I	CLRI

61	EXSI	HRO	60
22	CFEI	INTO	54
21	EXFI		
		PHII	53
56	HCKI	PHOO	52
55	HCKO	PHHO	59
27	VXOI	SWO	28
		SFHO	29
		TPCO	31
		HSO	46
		FHO	51
		F2HO	50
		RZO	49
		RDVO	43
		HBO	48
		H2BO	47
		VOO	41
		VDO	40
1	SDII	CLPO	13
2	SCKI	SYO	11
3	STBI	SIDO	39
		BFO	12
35	COFI	CBKO	44
37	SDLI	YBKO	45
36	VPI		
33	CIOI	CIPO	14
34	ADVI	CIBO	15
32	CMI	VSBO	16
64	CLRI	VSRO	17
62	MD1I	CFPO	20
63	MD2I	SIVO	30
		FOEO	38
7	TMI		
8	TM1I	LLTO	18
9	TM2I	PLTO	19
4	TS1I		
5	TS2I	SCO	23
6	TS3I	VSCO	24

INPUT

ADVI ; ADVANCE OFF

CFEI ; CF PULSE PRESET ENABLE

CIOI ; CFID LINE BLANKING OFF

CLRI ; MASTER CLEAR

CMI ; CHROMA MUTE ON

COFI ; TBC CONF ON

EXFI ; EXTERNAL REFERENCE CF PULSE

EXSI ; EXTERNAL REFERENCE COMPOSITE SYNC

HCKI ; EXT XTAL FOR H-LOCK

MD1I,MD2I ; SYSTEM MODE SELECT *1

PHII ; DELAYED PHOO PULSE

SCKI ; SERIAL DATA CLOCK

SDII ; SERIAL DATA

SDLI ; SYNC DELAY MODE

STBI ; SERIAL DATA STROBE

TM1I, TM2I, TMI, TS1I-TS3I } ; TEST

VPI ; SYNC DELAY SELECT (L : 16H / H : 8H)

VXOI ; 4Fsc CLOCK (NTSC : 14.31818MHz
PAL : 17.7344MHz
PAL-M : 14.3024MHz)

*1 : SYSTEM MODE SELECT

MD1I	MD2I	SYSTEM
H	H	NTSC (525/910/910)
H	L	PAL-M (525/910/909)
L	H	PAL (625/908/1135,1137)
L	L	SECAM (625/908)

OUTPUT

BFO ; VIDEO OUT BURST FLAG

CBKO ; R-Y/B-Y COMPOSITE BLANKING PULSE

CFPO ; VIDEO OUT CF PULSE

CIBO ; CFID LINE (NTSC/PAL-M : 15 LINE, PAL/SECAM : 12 LINE)

CIPO ; REGENE CFID PULSE

CLPO ; READ CLAMP PULSE

F2HO ; H-LOCK LOOP 2FH

FHO ; H-LOCK LOOP FH

FOEO ; VIDEO OUT FIELD ALTANATE

H2BO ; 2xH BLANKING PULSE

HBO ; H BLANKING PULSE

HCKO ; H-LOCK XTAL

HRO ; EXTERNAL H SYNC

HSO ; H SYNC

INTO ; EXTERNAL SYNC DETECT

LLTO ; LINE ALTANATE PULSE

PHHO ; H-LOCK LOOP PHASE COMPARATOR PULSE

PHOO ; SYNC PHASE MMV TRIGGER PLTO : SECAM 0,0,

RDVO ; READ V

RZO ; READ ZERO

SCO ; SUB CARRIER

SFHO ; HD

SIDO ; SECAM ID LINE

SIVO ; CF REVERSE STATUS

SWO ; SC LOCK LOOP GAIN SELECT

SYO ; VIDEO OUT COMPOSITE SYNC

TPCO ; TRAPE GENERATOR CLEAR PULSE

VDO ; VD

VOO ; V SYNC (525 MODE : 3H, 625 MODE : 2.5H)

VSBO ; VISC LINE PULSE (NTSC/PAL-M : 11 LINE, PAL/SECAM : 8 LINE)

VSCO ; VISC REGENE SUB CARRIER (NTSC/PAL-M : Fsc, PAL : 1/2 Fsc)

VSRO ; REGENE VISC WIDTH PULSE

YBKO ; Y COMPOSITE BLANKING PULSE

