DATA SHEET

I²C-bus allocation table
General

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I²C-bus allocation table

I²C-BUS ALLOCATION TABLE (IN GROUP ORDER)

The group number represents the hexadecimal equivalent of the four most significant bits of the slave address (A6-A3).

GROUP[1]			TYPE NUMBER	DESCRIPTION
Group 0 (0000)				
0	0	0	-	General call address
X	X	X	-	Reserved addresses
Group 1 (0001)				
1	A1	A0	SAA2530	ADR/DMX digital receiver
1	A1	A0	TDA8045	QAM-64 demodulator
Group 2 (0010)				
0	0	A0	SAA4700/T	VPS dataline processor
0	0	A0	SAA5233	Dual standard PDC decoder
0	0	1	SAA5243	Computer controlled teletext circuit
0	0	1	SAA5244	Integrated VIP and teletext
0	0	1	SAA5245	525-line teletext decoder/controller
0	0	1	SAA5246A	Integrated VIP and teletext
0	0	1	SAA5249	VIP and teletext controller
0	A1	A0	CCR921	RDS/RBDS decoder
0	A1	A0	SAF1135	Dataline 16 decoder for VPS (call array)
1	0	0	SAA5252	Line 21 decoder
1	1	A0	SAB9075H	PIP controller for NTSC
Group 3 (0011)				
0	0	A0	SAA7370	CD-decoder plus digital servo processor
0	A1	A0	PCD5096	Universal codec
0	1	A0	SAA2510	Video-CD MPEG-audio/video decoder
0	1	1	PDIUSB11	Universal serial bus
1	0	1	SAA2502	MPEG audio source decoder
1	1	A0	SAA1770	D2MAC decoder for satellite and cable TV
Group 4 (0100)				
0	0	0	SAA6750	MPEG2 encoder for Desk Top Video (=SAA7137)
0	0	0	TDA9177	YUV transient improvement processor
0	0	0	TDA9178	YUV transient improvement processor
0	0	A0	PCA1070	Programmable speech transmission IC
0	A1	A0	SAA1300	Tuner switch circuit
A2	A1	A0	TDA8444	Octuple 6-bit DAC
A2	A1	A0	PCF8574	8-bit remote I/O port (I²C-bus to parallel converter)
1	0	A0	PCD3311C	DTMF/modem/musical tone generator
1	0	A0	PCD3312C	DTMF/modem/musical tone generator
1	1	1	PCD5002	Pager decoder

General I^2C-bus allocation table

GROUP[1]			TYPE NUMBER	DESCRIPTION
Group 6 (0110)				
0	0	0	SAA5301	MOJI processor for Japan/China
0	1	1	PCE84C467/8	8-bit CMOS auto-sync monitor controller
0	1	1	PCE84C882	8-bit microcontroller for monitor applications
0	1	1	PCE84C886	8-bit microcontroller for monitor applications
Group 7 (0111)				
0	0	A0	SAA7140B	High performance video scaler
0	0	A0	PCF8576C	16-segment LCD driver 1:1 - 1:4 Mux rates
0	A1	A0	SAA1064	4-digit LED driver
A2	A1	A0	PCF8574A	8-bit remote I/O port (I^2C-bus to parallel converter)
0	1	0	PCF8577C	32/64-segment LCD display driver
0	1	A0	SAA2116	LCD controller/driver
1	0	A0	PCF8578/9	Row/column LCD dot matrix driver/display
1	0	A0	PCF8568	LCD row driver for dot matrix displays
1	0	A0	PCF8569	LCD column driver for dot matrix displays
1	1	A0	PCF8566	96-segment LCD driver 1:1 - 1:4 Mux rates
Group 8 (1000)				
0	0	0	TEA6300	Sound fader control and preamplifier/source selector
0	0	0	TEA6320/1/2/3	Sound fader control circuit
0	0	0	TEA6330	Tone/volume controller
0	0	A0	NE5751	Audio processor for RF communication
0	0	A0	TDA8421	Audio processor
0	0	A0	TDA9860	Hi-fi audio processor
0	0	1	TDA8424/5/6	Audio processor
0	1	0	TDA8415	TV/VCR stereo/dual sound processor
0	1	0	TDA8417	TV/VCR stereo/dual sound processor
0	1	0	TDA9840	TV stereo/dual sound processor
0	1	A0	TDA8480T	RGB gamma-correction processor
1	0	0	TDA4670/1/2	Picture signal improvement (PSI) circuit
1	0	0	TDA4680/5/7/8	Video processor
1	0	0	TDA4780	Video control with gamma control
1	0	0	TDA4885	150 MHz video controller
1	0	0	TDA8442	Interface for colour decoder
1	0	1	TDA8366	Multistandard one-chip video processor
1	0	1	TDA8373	NTSC one-chip video processor
1	0	1	TDA8374	Multistandard one-chip video processor
1	0	1	TDA8375/A	Multistandard one-chip video processor
1	0	1	TDA8376/A	Multistandard one-chip video processor
1	0	1	TDA9161A	Bus-controlled decoder/sync. processor
1	A1	1	SAA7151B	8-bit digital multistandard TV decoder

GROUP[1]			TYPE NUMBER	DESCRIPTION
1	A1	1	SAA7191B	Digital multistandard TV decoder
1	A1	1	SAA9056	Digital SCAM colour decoder
1	A1	1	TDA9141/3/4	Alignment-free multistandard decoder
1	A1	1	TDA9160	Multistandard decoder/sync. processor
1	A1	1	TDA9162	Multistandard decoder/sync. processor
1	1	0	TDA4853/4	Autosync deflection processor
1	1	0	TDA9150B	Deflection processor
1	1	0	TDA9151B	Programmable deflection processor
1	1	A0	TEA6360	5-band equalizer
1	1	A0	TDA8433	TV deflection processor
Group 9 (1001)				
A2	A1	A0	PCF8591	4-channel, 8-bit Mux ADC and one DAC
A2	A1	A0	TDA8440	Video/audio switch
A2	A1	A0	TDA8540	4 $\times$ 4 video switch matrix
1	A1	A0	TDA8752	Triple fast ADC for LCD
1	1	A0	SAA7110A	Digital multistandard decoder
Group A (1010)				
0	0	0	PCB2421	1K dual mode serial EEPROM
0	0	A0	PCF8583	256 $\times$ 8-bit RAM/clock/calendar
0	0	1	PCF8593	Low-power clock calender
A2	A1	A0	PCF8570	256 $\times$ 8-bit static RAM
A2	A1	A0	PCF8522/4	512 $\times$ 8-bit CMOS EEPROM
A2	A1	A0	PCA8581/C	128 $\times$ 8-bit EEPROM
A2	A1	A0	PCF8582/A	256 $\times$ 8-bit EEPROM
A2	A1	P0	PCX8594	512 $\times$ 8-bit CMOS EEPROM
A2	P1	P0	PCX8598	1024 $\times$ 8-bit CMOS EEPROM
Group B (1011)				
0	0	A0	SAA7199B	Digital multistandard encoder
0	1	0	TDA8416	TV/VCR stereo/dual sound processor
0	1	A0	TDA9850	BTSC stereo/SAP decoder
0	1	A0	TDA9855	BTSC stereo/SAP decoder
0	1	1	TDA9852	BTSC stereo/SAP decoder
1	0	0	TDA9610	Audio FM processor for VHS
1	0	0	TDA9614H	Audio processor for VHS
1	A1	0	SAA7186	Digital video scaler
1	0	1	PCA8516	Stand-alone OSD IC
1	1	1	SAA7165	Video enhancement D/A processor
1	1	1	SAA9065	Video enhancement and D/A processor
Group C (1100)				
0	0	1	TEA6100	FM/IF for computer-controlled radio

General   I²C-bus allocation table

GROUP[1]			TYPE NUMBER	DESCRIPTION
0	1	0	TEA6821/2	Car radio AM
0	1	0	TEA6824T	Car radio IF IC
0	A1	A0	TSA5511/2/4	1.3 GHz PLL frequency synthesizer for TV
0	A1	A0	TSA5522/3M	1.4 GHz PLL frequency synthesizer for TV
0	1	A0	TDA8735	150 MHz PLL frequency synthesizer
0	1	A0	TSA6057	Radio tuning PLL frequency synthesizer
0	1	A0	TSA6060	Radio tuning PLL frequency synthesizer
0	1	A0	UMA1014	Frequency synthesizer for mobile telephones
1	0	0	TDA8722	Negative video modulator with FM sound
Group D (1101)				
0	0	A0	TDA8043	QPSK demodulator and decoder
0	0	A0	TDA9170	YUV processor with picture improvement
0	A1	A0	PCF8573	Clock/calendar
A2	A1	A0	TDA8443A	YUV/RGB matrix switch
0	1	A0	TDA8745	Satellite sound decoder
1	0	0	TDA1551Q	2 × 22 W BTL audio power amplifier
1	A1	A0	TDA4845	Vector processor for TV-pictures tubes
1	A1	A0	UMA1000T	Data processor for mobile telephones
1	1	A0	PCD4440	Voice scrambler/descrambler for mobile telephones
Group E (1110)				
0	0	0	TDA9177	2nd address for LTI (1st is '40')
0	0	0	TDA9178	2nd address for LTI (1st is '40')
0	0	A0	SAA7192	Digital colour space-converter
Group F (1111)				
X	X	X	-	Reserved addresses
Group 0 to F (0000 to 1111)				
X	X	X	PCF8584	I²C-bus controller

Note

1. X = Don't care, A = Programmable address bit, P = Page selection bit