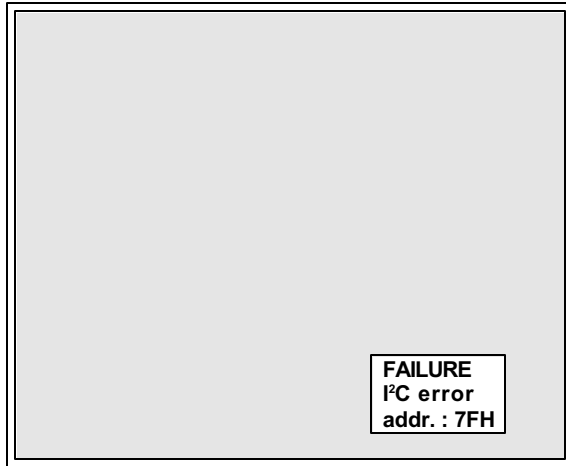


CONVERGENCE / ERROR CODES

I²C error is displayed on the screen together with the respective address, as illustrated on screen picture:

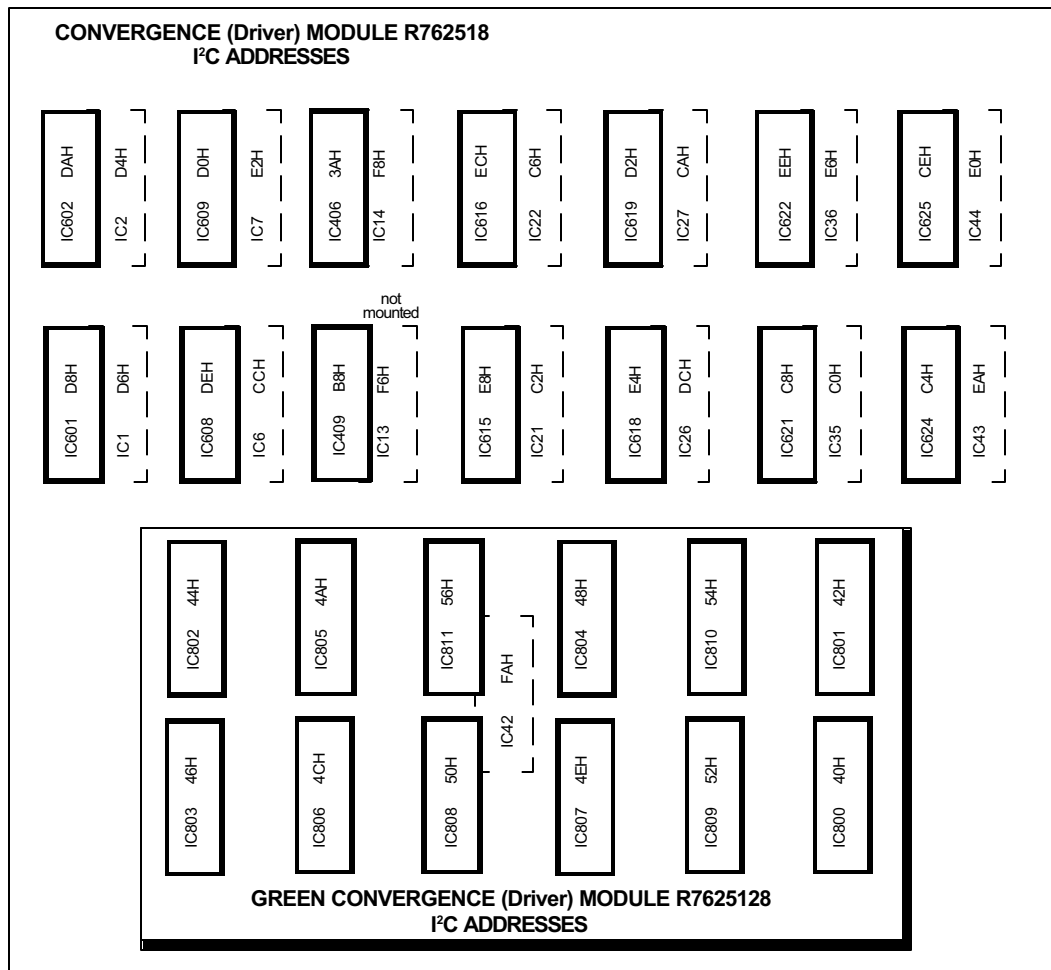
The table below indicates which IC corresponds to the displayed address . Replacement of the indicated IC solves the I²C error.

Convergence zones



1	2	3	4	5
6	7	8	9	10
11	12		13	14
15	16	17	18	19
20	21	22	23	24

Convergence module (Driver) - Green convergence sub module



CONVERGENCE / ERROR CODES

Green convergencemain module

HEX address	IC	CORRECTION	ZONE	HEX address	IC	CORRECTION	ZONE
D6H	IC1	R Horizontal/Vertical B Horizontal/Vertical	12 12	ECH	IC616	R Horizontal/Vertical B Horizontal/Vertical	23 23
D8H	IC601	R Horizontal/Vertical B Horizontal/Vertical	13 13	C2H	IC21	R Horizontal/Vertical B Horizontal/Vertical	2 2
D4H	IC2	R Horizontal/Vertical B Horizontal/Vertical	11 11	E8H	IC615	R Horizontal/Vertical B Horizontal/Vertical	21 21
DAH	IC602	R Horizontal/Vertical B Horizontal/Vertical	14 14	DCH	IC26	R Horizontal/Vertical B Horizontal/Vertical	15 15
C4H	IC624	R Horizontal/Vertical B Horizontal/Vertical	3 3	E4H	IC618	R Horizontal/Vertical B Horizontal/Vertical	19 19
EAH	IC43	R Horizontal/Vertical B Horizontal/Vertical	22 22	CAH	IC27	R Horizontal/Vertical B Horizontal/Vertical	6 6
CEH	IC625	R Horizontal/Vertical B Horizontal/Vertical	8 8	D2H	IC619	R Horizontal/Vertical B Horizontal/Vertical	10 10
E0H	IC44	R Horizontal/Vertical B Horizontal/Vertical	17 17	F6H	IC13	R/G/B Left BOW (Hor) R/G/B Left SKEW (Hor)	Left side Left side
D0H	IC609	R Horizontal/Vertical B Horizontal/Vertical	9 9	F8H	IC14	R/G/B Bottom BOW (Vert) R/G/B Top BOW (Vert) R/G/B Bottom Keystone (Vert) R/G/B Top Keystone (Vert)	N/S corr. N/S corr. N/S corr. N/S corr.
E2H	IC7	R Horizontal/Vertical B Horizontal/Vertical	18 18	FAH	IC42	G Vertical Midline SKEW (H) R/G/B Vertical Midline BOW (H) R/G/B Vertical Midline SKEW (V) R/G/B Vertical Midline BOW (V)	Midlines Midlines Midlines Midlines
CCH	IC6	R Horizontal/Vertical B Horizontal/Vertical	7 7	3AH	IC406	R/G/B E/W Seagull R/G/B N/S Seagull	E/W N/S
DEH	IC608	R Horizontal/Vertical B Horizontal/Vertical	1 1	B8H	IC409	R/B Precorrections R/B Precorrections	Sides Head Corner
C0H	IC35	R Horizontal/Vertical B Horizontal/Vertical	1 1				
E6H	IC36	R Horizontal/Vertical B Horizontal/Vertical	20 20				
C8H	IC621	R Horizontal/Vertical B Horizontal/Vertical	5 5				
EEH	IC622	R Horizontal/Vertical B Horizontal/Vertical	24 24				
C6H	IC22	R Horizontal/Vertical B Horizontal/Vertical	4 4				

CONVERGENCE / ERROR CODES

HEX address	IC	CORRECTION	ZONE	HEX address	IC	CORRECTION	ZONE
50H	IC808	G Horizontal/Vertical	23	54H	IC810	G Horizontal/Vertical	1
		G Horizontal/Vertical	4			G Horizontal/Vertical	20
52H	IC809	G Horizontal/Vertical	24	56H	IC811	G Horizontal/Vertical	21
		G Horizontal/Vertical	5			G Horizontal/Vertical	2

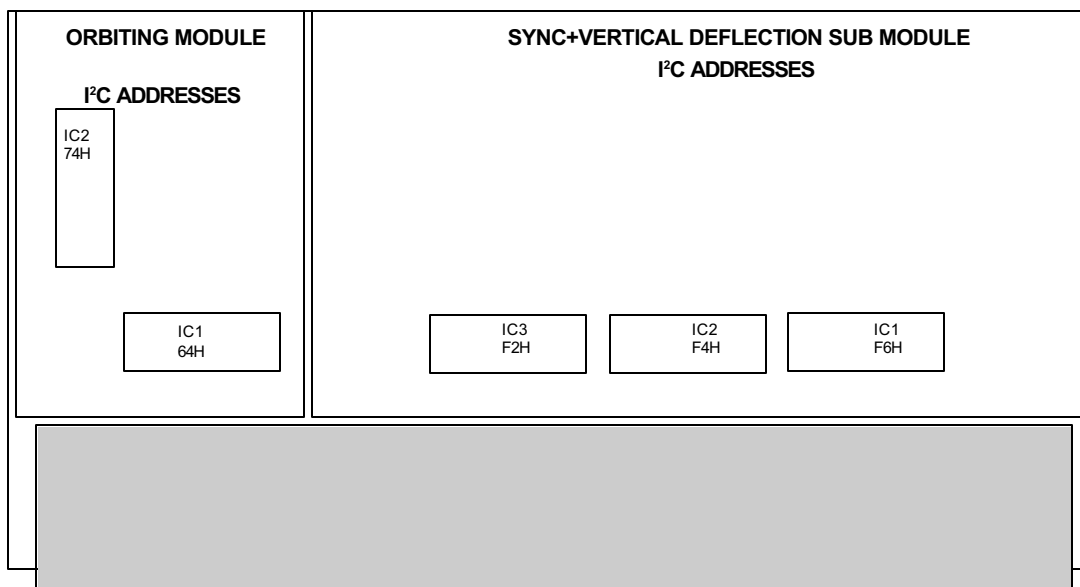
SYNC+VERTICAL DEFLECTION MODULE

HEX address	IC	CORRECTION	HEX address	IC	CORRECTION
F2H	IC3	bottom blanking vertical shift red vertical shift green vertical shift blue	F6H	IC1	side keystone side bow left blanking right blanking

F4H	IC2	vertical amplitude vertical linearity horizontal phase top blanking
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ORBETING

HEX address	IC	CORRECTION	HEX address	IC	CORRECTION
74H	IC2	max deviation zero deviation slow orbiting fast orbiting	64H	IC1	shift orbit phase orbit



CONVERGENCE / ERROR CODES

MAGNETICAL FOCUS+HOR SHIFT

HEX address	IC	CORRECTION	HEX address	IC	CORRECTION
F0H	IC52	horizontal shift red horizontal shift green horizontal shift blue	FEH	IC311	focus bottom R focus top R focus left R focus right R
FCH	IC303	focus Red center focus Green center focus Blue center H Amp (not used)	66H	IC312	focus bottom G focus top G focus left G focus right G
			68H	IC313	focus bottom B focus top B focus left B focus right B

QUAD DECODER

HEX address	IC	CORRECTION
40H	IC17	sharpness sharpness On

CONVERGENCE / ERROR CODES

INPUT RGB+SWITCHING

HEX address	IC	CORRECTION	HEX address	IC	CORRECTION
42H	IC601	Clamp Width 1 Clamp Width 2 Clamp Mode 1 Clamp Mode 2 (not 1200 mode) Enable CHROMA filters Scan Doubler On Width ident.	70H	IC602	Red on/off Green on/off Blue on/off Sync fast/slow IC601 SDA On/Off (P5-P7) Input Switch
3EH	IC604	RGB Matrix Saturation Hue (V03) not used			

RGB Driver

HEX address	IC	CORRECTION	HEX address	IC	CORRECTION
5AH	IC1 Bright. Red	Bright.Green Bright. Blue Brightness	58H	IC3 Red gain	Blue gain Red cut off Blue cut off
5CH	IC2 Cut off Red	Cut off Green Cut off Blue IBCL Value	42H	IC100	Midlights Red 1 Midlights Red 2 Midlights Red 3 Midlights Red 4 Midlights Blue 1 Midlights Blue 2 Midlights Blue 3 Midlights Blue 4
3C	IC109	Right Blanking Left Blanking Blue Breakpoint (4) not used	44H	IC101	Peaking 1 Peaking 2 Peaking 3 (P3) not used Blue correction 1 Blue correction 2 Blue correction 3 IC100 SDA On/Off

CONVERGENCE / ERROR CODES

I²C error messages in ascending order of address number

HEXaddress	IC	MODULE	HEXaddress	IC	MODULE
40H	IC800	Convergence G	D0H	IC609	Convergence
42H	IC801	Convergence G	D2H	IC619	Convergence
44H	IC802	Convergence G	D4H	IC2	Convergence
46H	IC803	Convergence G	D6H	IC1	Convergence
48H	IC804	Convergence G	D8H	IC601	Convergence
4AH	IC805	Convergence G	DAH	IC602	Convergence
4CH	IC806	Convergence G	DCH	IC26	Convergence
4EH	IC807	Convergence G	DEH	IC608	Convergence
50H	IC808	Convergence G	E0H	IC44	Convergence
52H	IC809	Convergence G	E2H	IC7	Convergence
54H	IC810	Convergence G	E4H	IC618	Convergence
56H	IC811	Convergence G	E6H	IC36	Convergence
40H	IC17	QUAD Decoder	E8H	IC615	Convergence
66H	IC312	Mag. Foc+Hor Shift	EAH	IC43	Convergence
68H	IC313	Mag. Foc+Hor Shift	ECH	IC616	Convergence
F0H	IC52	Mag. Foc+Hor Shift	EEH	IC622	Convergence
FCH	IC303	Mag. Foc+Hor Shift	F6H	IC13	Convergence
FEH	IC311	Mag. Foc+Hor Shift	F8H	IC14	Convergence
42H	IC601	IN RGB+Switching	FAH	IC42	Convergence
70H	IC602	IN RGB+Switching	3AH	IC406	Convergence
3EH	IC604	IN RGB+Switching	B8H	IC409	Convergence
64H	IC1	Orbiting	F2H	IC3	Sync+Vert defl
74H	IC2	Orbiting	F4H	IC2	Sync+Vert defl
C0H	IC35	Convergence	F6H	IC1	Sync+Vert defl
C2H	IC21	Convergence	42H	IC100	RGB DrIVE R
C4H	IC624	Convergence	44H	IC101	RGB DrIVE R
C6H	IC22	Convergence	58H	IC3	RGB DrIVE R
C8H	IC621	Convergence	3CH	IC109	RGB DrIVE R
CAH	IC27	Convergence	5AH	IC1	RGB DrIVE R
CCH	IC6	Convergence	5CH	IC2	RGB DrIVE R
CEH	IC625	Convergence			