	IDIS connector external JP 20 (ELO Coding A / BLACK)				
PIN	Signal flow	Abbreviated Designation	Description		
1	In	RED_NAVI	RGB for navigation (colour red)		
2	In	GREEN_NAVI	RGB for navigation (colour green)		
3	<u>-</u>	VGND_TV	Ground for video signal TV (all colours)		
4	<mark>In</mark>	RED_TV	RGB for TV (colour red)		
5	<mark>In</mark>	GREEN_TV	RGB for TV (colour green)		
6	In	KL31 (connected to pin 19)	Terminal 31 for IDIS central electronic unit		
7	1	Nc	Free		
8	-	Nc	Free		
9	1	Nc	Free		
10	Out	KL30G_NAVI	Control signal for navigation		
11	In	DIMMING	Dimming of instrument lighting (from the car)		
12	-	Nc	Free		
13	In	KL30 (connected to Pin 26)	Terminal 30 for IDIS central electronic unit		
14	In	BLUE_NAVI	RGB for navigation (colour blue)		
15	In	CSYNC_NAVI	RGB for navigation (sync signal)		
16	ı	VGND_NAVI	Ground for video signals navigation(all colours)		
17	<mark>In</mark>	CSYNC_TV	RGB for TV (sync signal)		
18	<mark>In</mark>	BLUE_TV	RGB for TV (colour blue)		
19	In	KL31 (connected to pin 6)	Terminal 31 for IDIS central electronic unit		
20	ı	Nc	Free		
21	ı	Nc	Free		
22	1	Nc	Free		
23	In	CONSUMPTION	Fuel consumption signal		
24	In	SPEED	Speed signal		
25	-	Nc	Free		
26	In	KL30 (connected to pin 13)	Terminal 30 for IDIS central electronic unit		

2.5.4.3 Pinning central electronic unit

IN	Signal flow	Abbreviated designation	P7 (ELO Coding A / black) Description
1		RED_NAVI	RGB for navigation (colour red)
2		GREEN_NAVI	RGB for navigation (colour oreen)
3		VGND_TV	Ground for video signal TV VIDEO SIGNAL
4		RED_TV	RGB fcr TV (colour red) RED
5		GREEN_TV	RGB for TV (colour green) GREEN
6		KL31 (connected to Pin 19)	Terminal 31 for IDIS central electronic unit
7		nc	free
8		пс	free
9	•	nc	free
10	0	KL30G_NAVI	Contro signal for nevigation
11	1	DIMMING	Dimming of instrument lighting (from the car)
12		nc	free
13_	T	KL30 (connected to Pin 26)	Terminal 30 for IDIS central electro unit
14	1	BLUE_NAV!	RGB for navigation (colour blus
15		CSYNC_NAVI	RGB for navigation (sync signal)
16		VGND_NAVI	Ground for video signals navigation
17	-	CSYNC TV	RGB/CRTV (SVIC signal) - SIGNAL
16		BLUE TV	RGB for TV (coout blue) - BLU
19		KL31 (connected to Pin 6)	Terminal 31 for IDIS central electronic unit
20		nc	Transmit to compi-instrument
21	-	no	Receivs from combi-instrument
22	-	nc	iree
23		CONSUMPTION	Fuel consumption signal
24		SPEED	Speed signal
25		по	free
25		KL30 (connect of to Pin 13)	Terminal 30 for iDiS central electronic unit

	IDIS connector external JP 20 (ELO Coding CH / green)				
PIN		Abbreviated Designation			
1	In	KEYWORD2000	Diagnostics interface		
2	In	KL15	Terminal 15 (only sense signal)		
3	In	SERVICE	Key contact		
4	Out	TxD NAVI	Control bus navigation /transmit/		
<u>5</u>	<mark>In</mark>	TV_ON	Changeover signal for activating TV Source		
6	-	GND_DSP	Ground for DSP control bus		
7	-	GND_EXT_MIC	Handsfree microphone ground		
8	In	HS_MIC_TEL	Microphone telephone receiver		
9	Out	HS_SP_TEL	Telephone receiver loudspeaker		
10	Out	KL30G_TEL	Suppply to telephone receiver		
11	-	Nc	Free		
12	-	AGND_NAVI	Ground for navigation audio signal		
13	In	NF_NAVI	Navigation audio signal		
14	In/Out	TRxD_DSP	DSP control bus		
15	In/Out	TRxD_IDIS	IDIS-IVC interface control bus		
16	-	Nc	Free		
17	In	RxD_NAVI	Navigation control bus (receive)		
18	-	Nc	Free		
19	-	Nc	Free		
20	In	EXT_MIC	Handsfree microphone		
21	-	GND_TEL	Telephone receiver ground		
22	In	HOOK_TEL	Telephone receiver hook contact		
23	<mark>In</mark>	AF_TV	TV audio signal		
24		AGND_TV	TV audio signal ground		
25	-	Nc	Free		
26	-	Nc	Free		

PIN	Clause No.	IDIS connector external JP	20 (ELO coding CH / green)
1	Signal flow	Abbreviated designation	Description
2		KEYWORD2000	Diagnostics interface
_		KL15	Terminal 15 (only sense signal)
3		SERVICE	Key contact
4	0	TxD_NAVi	Contro bus navigation (transmit)
5		TV.ON	Chang-over signal for (Clivating TV source
6		GND_DSP	Ground for DSP contact bus
7		GND_EXT_MIC	Handstree microphone ground
8		HS_MIC_TEL	Microphone telephone receiver
3	0	HS_SP_TEL	Telephone receiver loudspeaker
10	0	KL30G_TEL	Supply to telephone receiver
11	-	ne	free
12		AGND_NAVI	Ground for navigation audio signal
13		NF_NAVI	Naviga on audio signal
14	1/0	TRXD DSF	DSP control bus
15	70	TEXD_IDIS	DIS NO -1-4
16		nc	IDIS - IVC interface control bus
17		RxD_NAVI	the same of the sa
18		ne	Navigation control . Js (receive)
19		nc	free
20		EXT_MIC	free
21		GND_TEL	Handstree microphone
22		HOOK TEL	Telephone receiver ground
23	The state of		Talephone receiver hock contact TV Audio Signa! TV Audio Signa! Tree
24		AP-TV	TV Audio Sienal
25		AGND-TV	TV Audio Stone) GRANNIN
26		nc	tree 1 Transfer
-		nc	free

SCART Interface						
Pin	Signal	Description	Tipical	Impedance		
1	AOR	Audio Out Right	0.5 V rms	<1k ohm		
2	AIR	Audio In Right	0.5 V rms	>10k ohm		
3	AOL	Audio Out Left + Mono	0.5 V rms	<1k ohm		
4	AGND	Audio Ground				
5	B GND	RGB Blue Ground				
6	AIL	Audio In Left + Mono	0.5 V rms	>10k ohm		
7	В	RGB Blue In	0.7 V	75 ohm		
8	SWTCH	Audio/RGB switch / 16:9				
9	G GND	RGB Green Ground				
10	CLKOUT	Data 2: Clockpulse Out (Unavailable ??)				
11	G	RGB Green In	0.7 V	75 ohm		
12	DATA	Data 1: Data Out (Unavailable ??)				
13	R GND	RGB Red Ground				
14	14 DATAGND Data Ground					
15	R	RGB Red In / Chrominance	0.7 V (Chrom.: 0.3 V burst)	75 ohm		
16	BLNK	Blanking Signal	1-3 V=RGB, 0-0.4 V=Composite	75 ohm		
17	VGND	Composite Video Ground				
18	BLNKGND	Blanking Signal Ground				
19	VOUT	Composite Video Out	1 V	75 ohm		
20	VIN	Composite Video In / Luminance	1 V	75 ohm		
21	SHIELD	Ground/Shield (Chassis)				

Final Interconnecting

