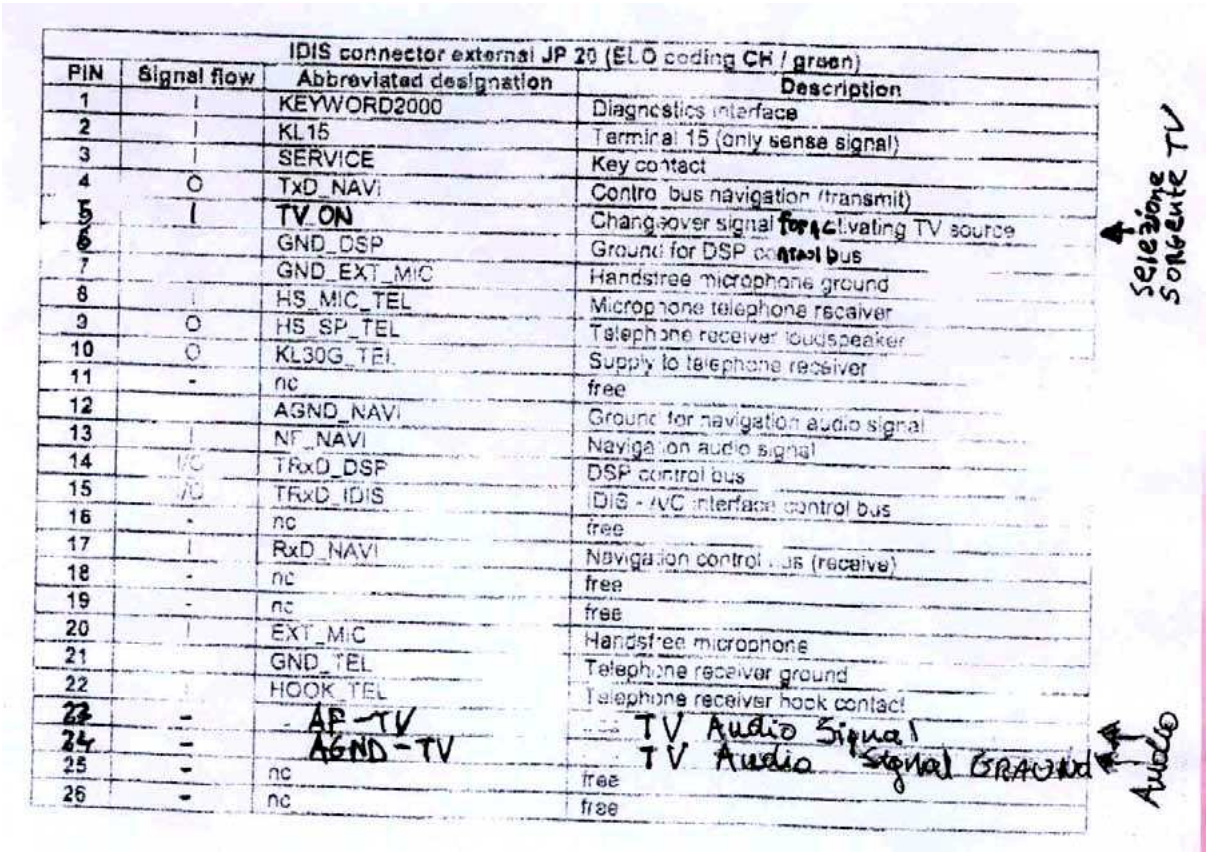
IDIS connector external JP 20 (ELO Coding A / BLACK)			
PIN	Signal flow	Abbreviated Designation	Description
1	In	RED_NAVI	RGB for navigation (colour red)
2	In	GREEN_NAVI	RGB for navigation (colour green)
3	-	VGND_TV	Ground for video signal TV (all colours)
4	In	RED_TV	RGB for TV (colour red)
5	In	GREEN_TV	RGB for TV (colour green)
6	In	KL31 (connected to pin 19)	Terminal 31 for IDIS central electronic unit
7	-	Nc	Free
8	-	Nc	Free
9	-	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	-	VGND_NAVI	Ground for video signals navigation(all colours)
17	In	CSYNC_TV	RGB for TV (sync signal)
18	In	BLUE_TV	RGB for TV (colour blue)
19	In	KL31 (connected to pin 6)	Terminal 31 for IDIS central electronic unit
20	-	Nc	Free
21	-	Nc	Free
22	-	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

IDIS connector external JP7 (ELO Coding A / black)			
PIN	Signal flow	Abbreviated designation	Description
1	I	RED_NAVI	RGB for navigation (colour red)
2	I	GREEN_NAVI	RGB for navigation (colour green)
3	—	VGND_TV	Ground for video signal TV VIDEO SIGNAL
4	I —	RED_TV	RGB for TV (colour red) RED
5	I —	GREEN_TV	RGB for TV (colour green) GREEN
6	I	KL31 (connected to Pin 19)	Terminal 31 for IDIS central electronic unit
7	-	nc	free
8	-	nc	free
9	-	nc	free
10	O	KL30G_NAVI	Control signal for navigation
11	I	DIMMING	Dimming of instrument lighting (from the car)
12	-	nc	free
13	I	KL30 (connected to Pin 26)	Terminal 30 for IDIS central electronic unit
14	I	BLUE_NAVI	RGB for navigation (colour blue)
15	I	CSYNC_NAVI	RGB for navigation (sync signal)
16		VGND_NAVI	Ground for video signals navigation
17	I —	CSYNC_TV	RGB for TV (sync signal) — SIGNAL
18	I —	BLUE_TV	RGB for TV (colour blue) — BLU
19	I	KL31 (connected to Pin 6)	Terminal 31 for IDIS central electronic unit
20	-	nc	Transmit to combi-instrument
21	-	nc	Receive from combi-instrument
22	-	nc	free
23	I	CONSUMPTION	Fuel consumption signal
24	I	SPEED	Speed signal
25	-	nc	free
26	I	KL30 (connected to Pin 13)	Terminal 30 for IDIS central electronic unit

TV

IDIS connector external JP 20 (ELO Coding CH / green)			
PIN	Signal flow	Abbreviated Designation	Description
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/
5	In	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	In	AF_TV	TV audio signal
24	-	AGND_TV	TV audio signal ground
25	-	Nc	Free
26	-	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	B	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	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