Service

Service

Service Manual

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PROLOGY

SPECIFICATIONS

■ General

Power supply:	12V DC(11V-16V)
	Test voltage 14.4V, negative ground
Maximum power output:	50Wx4 channels
Continuous power output:	25Wx4 channels (4Ω,10% T.H.D.)
Suitable speaker impedance:	4-8 ohm
Pre-Amp output voltage:	2.0V (CD play mode: 1KHz, 0 dB, 10 KΩ load)
Fuse:	15A
Dimensions(WxHxD)	178x50x162mm
Weight:	1.7kg

■ Components

Mounting collar	1
Machine screws M5x6mm	4
Mounting bolt (50mm)	1
Wire connector	1
Removable face plate case	1
Trim plate	1
L-key	2
Operating instructions	1
Rubber cushion	1

■ FM Stereo Radio

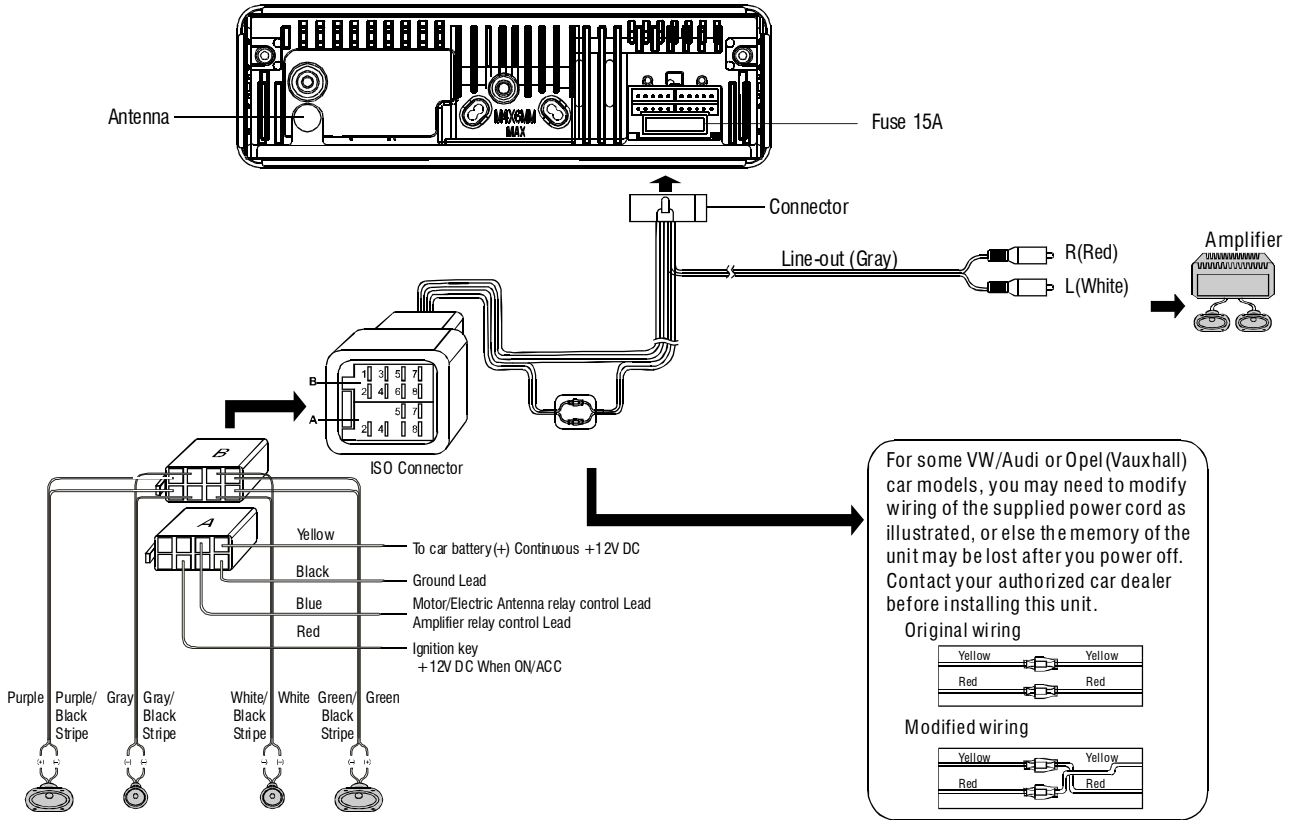|	
Frequency range:	87.5 - 108.0 MHz (EUROPE mode)
	65.0 - 74.0 MHz (OIRT mode)
Usable sensitivity:	8 dBμ
quieting sensitivity(S/N=50dB):	12 dBμ
Frequency response:	30Hz-15kHz
Stereo separation:	30dB(1kHz)
Image response ratio:	50dB
IF response ratio:	70dB
Signal/noise ratio	55dB

■ Disc Player

System:	Disc digital audio system
Frequency response:	20Hz - 20kHz
Signal/noise ratio:	>86 dB
Total harmonic distortion:	Less than 0.20%(1 kHz)
Wow and flutter:	Below measurable limits
Channel separation:	>60 dB

**Note: Specifications and design are subject to change
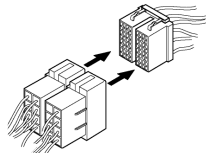without notice for product improvements.**

PREPARATIONS

■ **Wiring Diagram**

Antenna

Fuse 15A

Connector

Line-out (Gray)

R(Red)
L(White)

Amplifier

B

A

ISO Connector

Yellow — To car battery (+) Continuous +12V DC

Black — Ground Lead

Blue — Motor/Electric Antenna relay control Lead
Amplifier relay control Lead

Red — Ignition key
+12V DC When ON/ACC

Purple | Purple/Black Stripe | Gray | Gray/Black Stripe | White/Black Stripe | White | Green/Black Stripe | Green

For some VW/Audi or Opel (Vauxhall) car models, you may need to modify wiring of the supplied power cord as illustrated, or else the memory of the unit may be lost after you power off. Contact your authorized car dealer before installing this unit.

Original wiring

Yellow — Yellow
Red — Red

Modified wiring
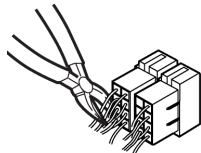
Yellow — Yellow
Red — Red

■ **Using the ISO Connector**

1. If your car is equipped with the ISO connector, then connect the ISO connectors as illustrated.
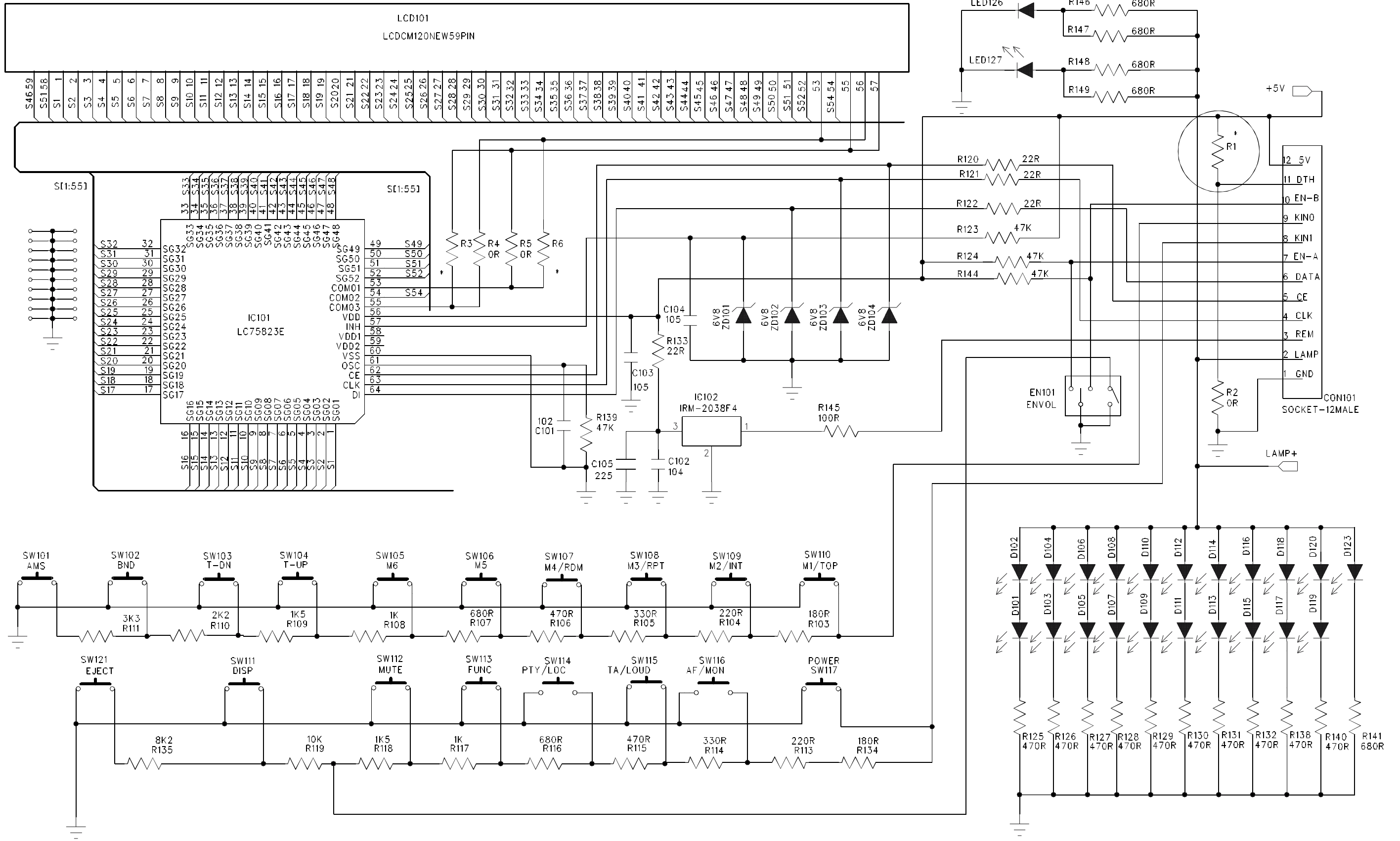
2. For connections without the ISO connectors, check the wiring in the vehicle carefully before connecting, incorrect connection may cause serious damage to this unit.
   Cut the connector, connect the colored leads of the power cord to the car battery, as shown in the colour code table below for speaker and power cable connections
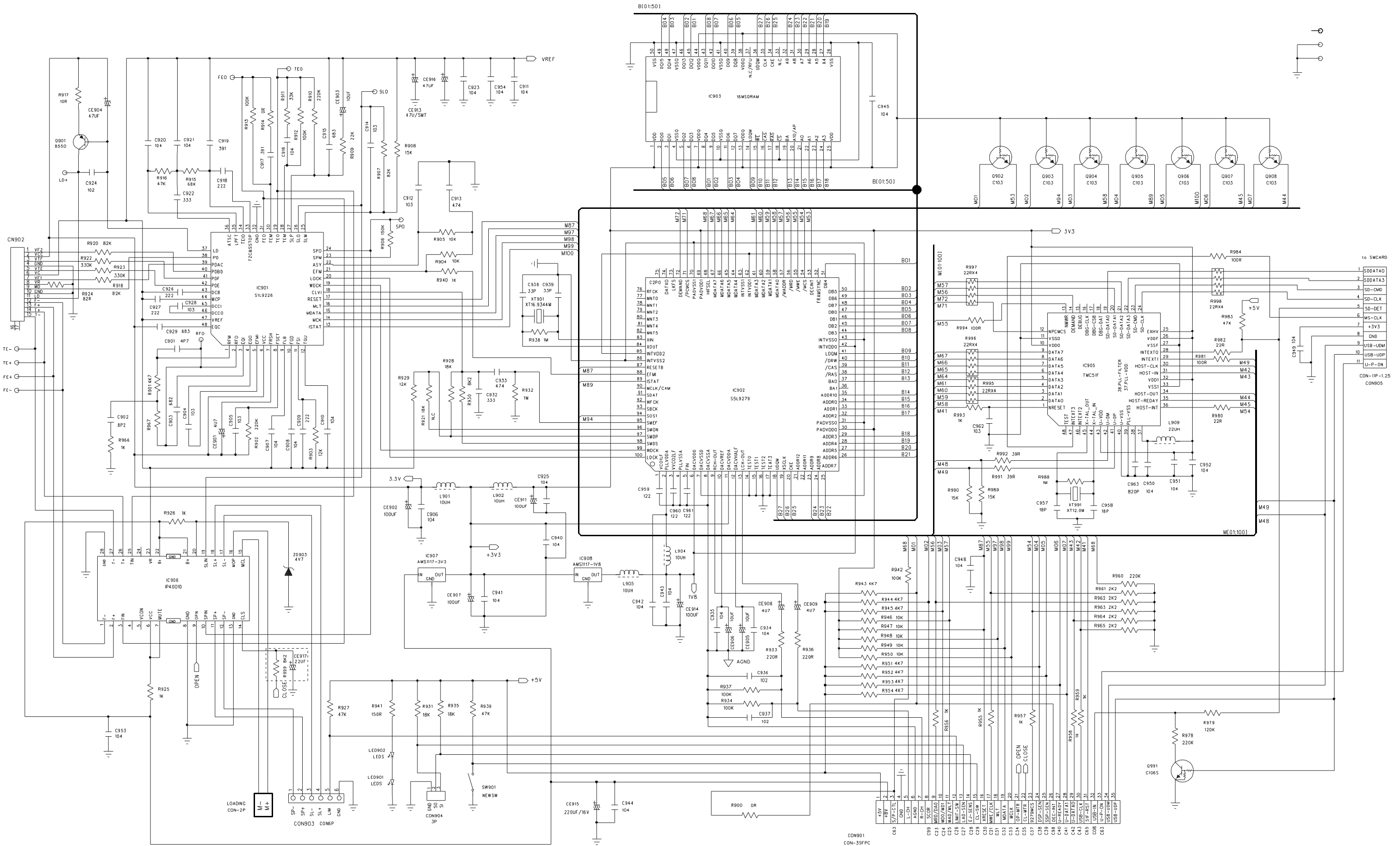
LOCATION	FUNCTION	
	Connector **A**	Connector **B**
1		Rear Right(+)---Purple
2		Rear Right(-)---Purple/Black Stripe
3		Front Right(+)---Gray
4	ACC+/red	Front Right(-)---Gray/Black Stripe
5	Auto Antenna/blue	Front Left(+)---White
6		Front Left((-)---White/Black Stripe
7	Battery 12V (+)/yellow	Rear Left(+)---Green
8	Ground/black	Rear Left(-)---Green/Black Stripe

KEY BOARD - CIRCUIT DIAGRAM

SERVO BOARD - CIRCUIT DIAGRAM

MAIN BOARD - CIRCUIT DIAGRAM