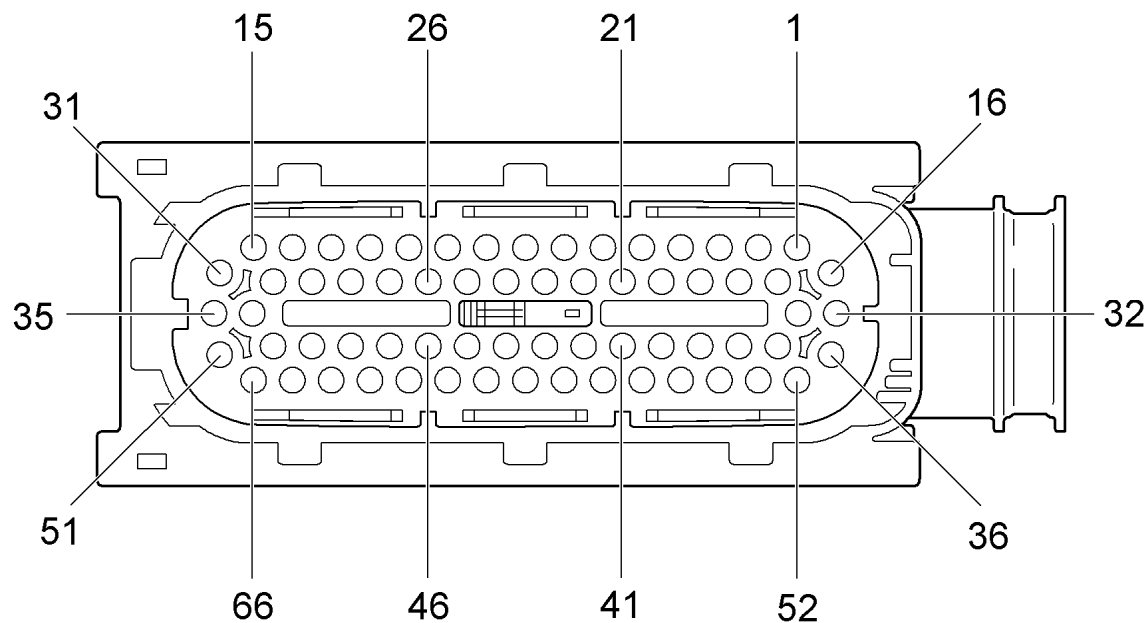
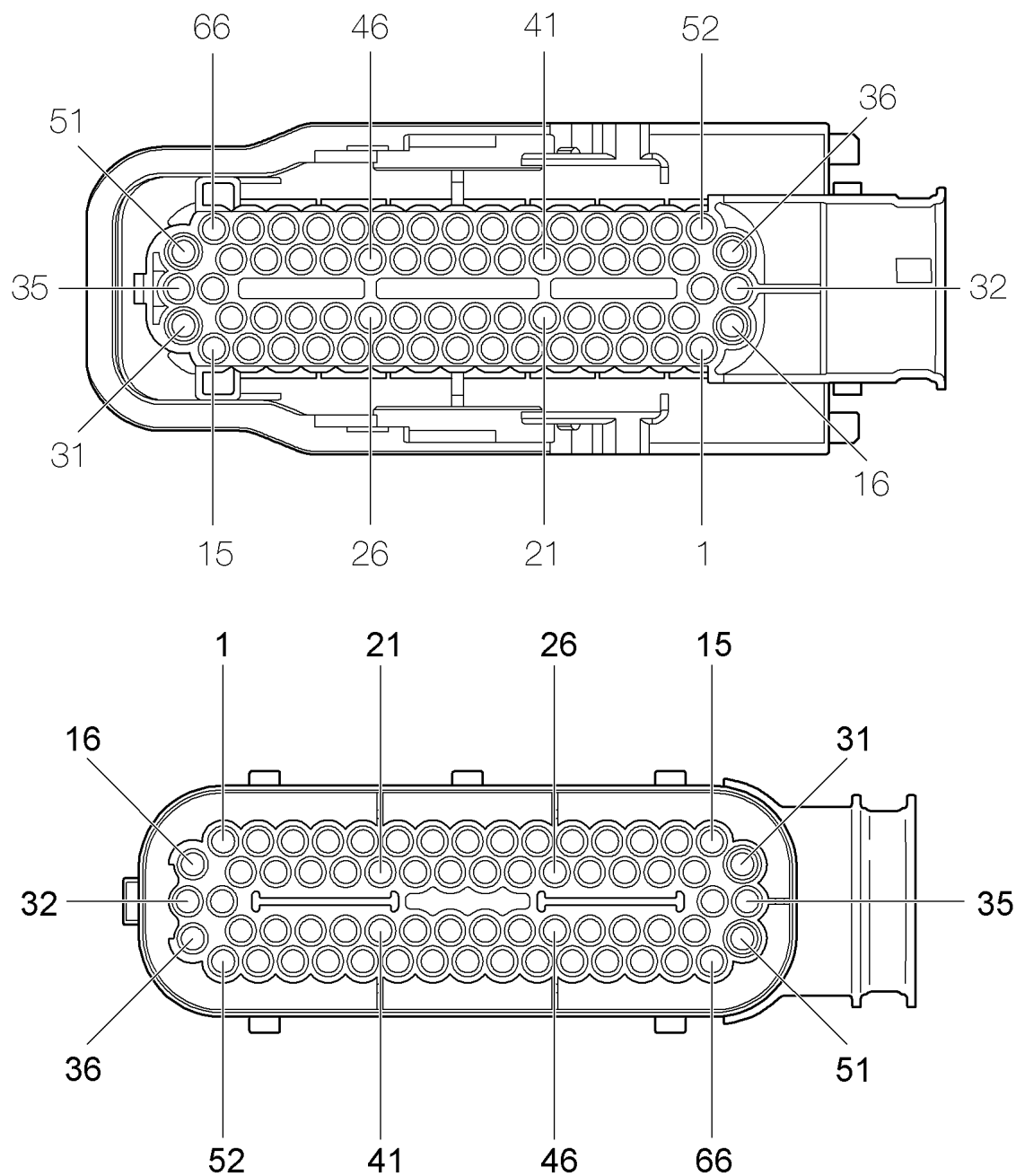


YS2R6X400E9183544 / GMS, Gearbox management system / E 5, GMS control unit / OPC / E, Electronic control units / E93, Clutch actuator ECA

C 101, Connector



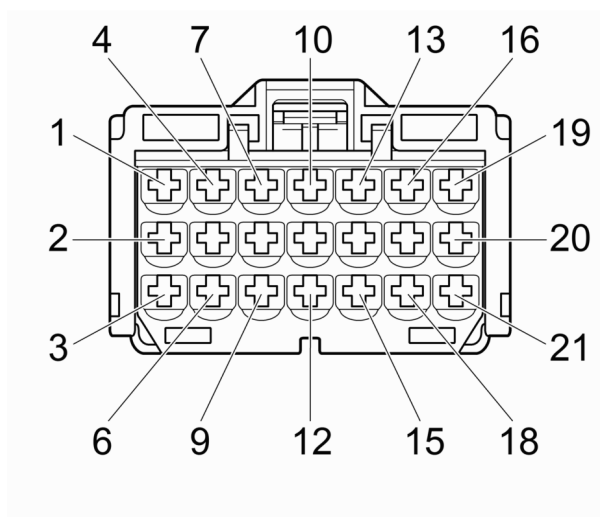
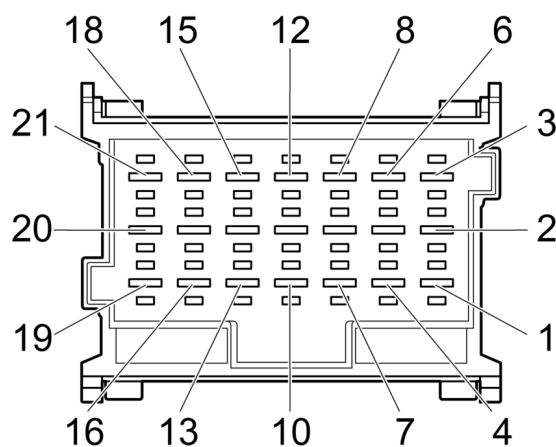
From front, round sockets.Cable side, round sockets.From front, round pins.Cable side, round pins.

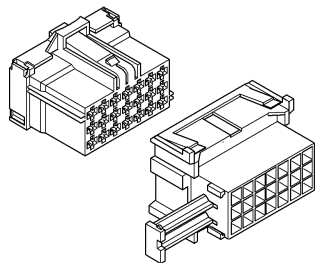




C 101, Connector

C 482, Connector





C 482, Connector

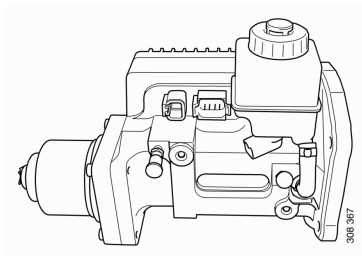
E 5, GMS control unit

En för OPC och en för TMS

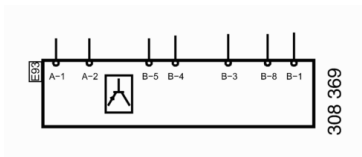
E 93, Clutch actuator

The clutch actuator E93 is an electro-hydraulic actuator for operating the clutch. It consists of an electric motor connected to a hydraulic system which comprises a master cylinder and a slave cylinder. The electric motor actuates the piston in the master cylinder which in turn causes the piston in the slave cylinder to depress the clutch lever. The clutch actuator has two sensors to ensure the position the clutch actuator should be in when disengaging and engaging. One of the sensors is an angle sensor which is located on the electric motor. The other sensor is a position sensor which is located on the slave cylinder. The clutch actuator fluid reservoir has a sensor for the fluid level. During idling, the clutch is closed after two minutes if the gearbox is in neutral, the clutch is open and the pedals are not touched.

Pin:	Task:	Signal type:	Source/Destination:
A1	Voltage supply	+30	C41
A2	Grounding		G55
B1	Voltage supply	Input signal	T156
B3	Wake-up signal	+15	C482
B4	CAN Low	B11	E5
B5	CAN High	B14	E5
B8	Grounding	Output signal	T156



E 93, Clutch actuator



E 93, Clutch actuator

G 55, Electrical ground point

Electrical ground point for clutch actuator E93.
