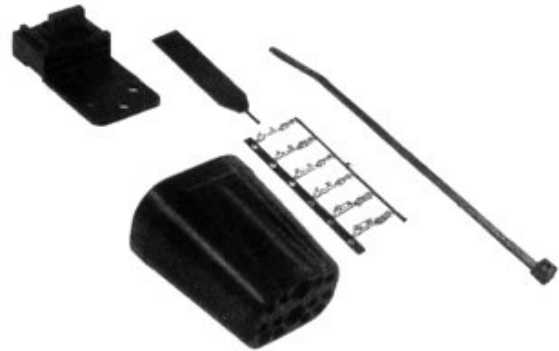


## GMBN1021



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## Accessory Connector Kit

## Accessories

### MOUNTING DESCRIPTION

If the accessory connector is used and the installation ambience requires a sealing rubber (IP54), demount the contacts with the enclosed tool (6680917W01). Push the cables through the sealing rubber. Use the holes with the correct diameter (see figure).

### SEALING RUBBER BREAKTHROUGH

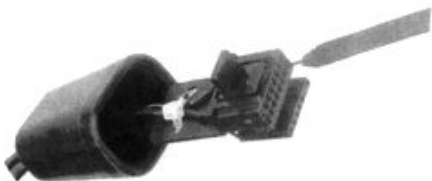


### DEMOUNTING OF THE CONTACTS

It might be necessary to change the pin position in the connector housing. The following section describes how to remove the contacts from the connector housing.

### REMOVE CONTACTS FROM ACCESSORY CONNECTOR

To remove the contacts from the connector push the tool into the front side slot as shown in the diagram and pull out the contact.



### REMOVE CONTACTS FROM RS232 CONNECTOR

Push with the tool into the slot and pull out the contact.



### ASSEMBLING RS232 INTERFACE CABLE, ACCESSORY CONNECTOR KIT AND SPEAKER CABLE

The following pictures show the RS232 Interface Cable GMKN1016 assembled with the speaker and the Accessory Connector Kit GMBN1021 with accessory connector. The front of both connector housings should be flush with each other.



All cables should be fixed with a strap (see figure).



For more possibilities of the accessory connection, see the accessory connection plan.

## ACCESSORY CONNECTOR CONNECTIVITY

Connect accessories mentioned in this leaflet according the wiring diagram below and disregard the individual leaflet supplied with these accessories.

Part Number / Description	Cable Connectivity
<b>GMSN4066</b> Speaker 13W <b>GMSN4078</b> Speaker 5W	
<b>GMMN4065</b> Visor Mounted Microphone	
<b>RLN4856</b> Foot switch PTT <b>RLN4857</b> Push button PTT <b>RLN4858</b> Gooseneck PTT These accessories could be used for PTT or Emergency function.	
<b>RLN4836</b> Tri-State Emergency Foot switch & Cable	
<b>HKN9327</b> Ignition Sense Cable	
<b>GMKN4084</b> Speaker Extension Cable	

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## PIN ASSIGNMENT OF THE ACCESSORY CONNECTOR

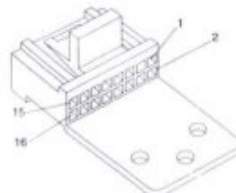
Pin	Function	Description
1	Speaker -	Speaker - and Speaker + (Pin 16) are used to connect an external speaker. The audio PA is a bridge amplifier with a minimum load resistance of 3.2 ohms.
2	EXT_MIC_AUDIO	External Microphone. This microphone signal is independent of the microphone signal on the microphone connector. The DC impedance is 660 ohms and the AC impedance is 560 ohms.
3	EXTERNAL_PTT	This is a digital input to trigger external PTT; active low; non active high
4	EXTERNAL_ALARM	This is a digital output for External Alarm / Fault Indication; active low; open collector with 4k7 Ohms pull up to B+
5	TX_AUDIO	This input is intended for injecting signals into the transmit path. Input impedance > 10 k Ohms; input level = 775mV <sub>RMS</sub>
6	KEYFAIL	This line supports the encryption module and the flash mode. Service Aids: 12 volts at this pin during power upon brings the radio into the flash mode.
7	ANA_GROUND	Analogue Ground
8	DIGITAL_GROUND	Digital Ground
9	EMERGENCY	To activate this functionality the pin has to be connected to ground. This will turn on the radio. The CPS details which functions may be assigned to this pin by the code plug.
10	IGNITION	Connecting this pin to the ignition line of the vehicle that will automatically turn on the radio if ignition of the vehicle is turned on. High active.
11	RX_AUDIO	This is the received RX signal. Output impedance approximate 600 Ohms; unsymmetrical; output level = 775mV <sub>RMS</sub>
12	AUDIO_PA_ENABLE	This is a digital input. High level or pin open enables the audio PA; Low level disables the audio PA.
13	SWB +	This voltage is available when the radio is switched on. The max. current is 1A.
14	HOOK	This is a high active digital input. Low = on hook; High = off hook
15	SCI_DTR	Data Terminal Ready, used for clock input for high speed flashing. Reserved for Service Aids.
16	SPEAKER +	Positive output of radio's audio PA (see Pin 1)
17	SCI_CTS	Clear To Send. Reserved for Service Aids.
18	SCI_RTS	Request To Send. Reserved for Service Aids.
19	SCI_RXD	Receive Data. Reserved for Service Aids.
20	SCI_TXD	Transmit Data. Reserved for Service Aids.

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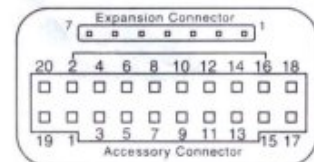
Part Number / Description	Cable Connectivity
<b>GKN6272</b> External Alarm Relay and Cable	
<b>GLN7282</b> Buzzer	

## 16-PIN ACCESSORY CONNECTOR BLOCK

The 16-pin connector block (P/N 1580922V01) plugs into the center of the 20-pin accessory connector on the back of the radio. (20-pin accessory connector P/N 1586184B01)  
Do not connect pins 17 - 20!



Accessory Connector Block



Radio's Accessory Connector

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