BCR to S-COM 7330 Cable - 3 ft

BCR Pin Function	BCR Pin Number	Wire Color	S-COM 7330 Pin Number	S-COM Pin Function
CTCSS Decode Valid LOW	17	Orange	3	CTCSS Decode Input
PTT Input*	20	Brown	4	Tx PTT Output
Tx Audio Input	19	Blue (Through 4.7k series Resistor)	5	Tx Audio Output
Rx Audio Discriminator Output	8	White	1	Rx Audio Input
Ground	25	Black & Shield	9	Ground
COS Active HIGH**	12	Red	2	Rx COS Input
Tx Subaudible data or Broadband/composite input***	21	Green	8	Transmitter CTCSS Audio Encoder or a Logic Level Out

S-COM 7330

BCR Repeater

4.7k

(Back View)

4.7k

To S-COM pin 5

(Back View)
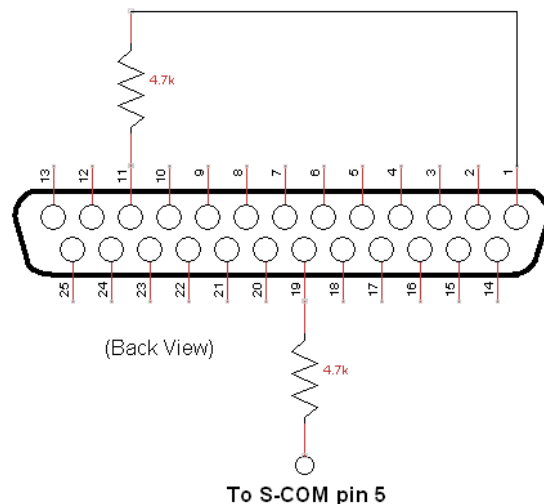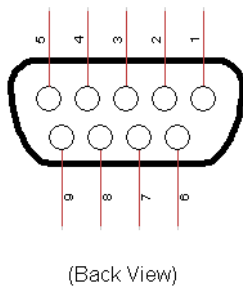
*Note - When the external PTT line is engaged, the BCR repeater will transmit with the settings configured in the User 1 slot. Refer to the BCR User manual (Page 8).

** The BCR Repeater internal high power FET is called into service to provide a solid positive going signal on Pin 12 when COS is active. Jumper with a 4.7K ohm resistor pins from pins 11 to pin 1 on the BCR repeater side of the connector to enable Pin 12.

*** If using the SCOM to generate CTCSS, ensure proper tuning of signal measured at TP1 on the accessory board of the BCR. While S-COM is generating a CTCSS tone, Voltage at TP1 should be 1.5V DC.

BCR repeater must be programmed to assert Pin 17 based on Valid Signal. This is done from Edit Channel screen in programmer. Move the Factory Jumper (red) from J25 to J31 COR1 Invert pins