



Signal Description	Voltage/Current Level	Frequency	% Duty Cycle (range)	Other
Ign Run/Start	7V – 24V	DC		
Ground	0V	DC		
Tx Signal	0V – 24V	1kHz – 2kHz		PWM
Rx Signal	0V – 24V	15.625kBaud		UART

Signal Source Description	Voltage/Current Level	Frequency	% Duty Cycle (range)	Other
Ceramic Resonator	0V – 5V	4MHz	50%	Sinusoidal
Internal PLL	0V – 5V	16MHz	50%	Sinusoidal
H-Bridge	-2V – 6.3V / 30mADC	120kHz – 140kHz	38% - 42%	Square Wave

Frequency Shift Keying (FSK) and Amplitude Modulation (AM) are used as the means of communication between the transponder and the transceiver respectfully.

FSK Center frequency ranges from 131.15kHz – 140.35kHz.

Hop Frequency = Center frequency – 11kHz.

AM depth = 100%.