

**Leading Innovator of  
Automotive Antenna Solutions**

Customized & Catalog Antenna  
Products for 3G/4G LTE, ISM,  
WiFi and GPS.

## EMBEDDED AND INTERNAL ANTENNAS FOR AUTOMOTIVE APPLICATIONS

Pulse embedded technologies results in robust board-mounted antenna designs making them exceptionally suitable solutions for small hand-held automotive solutions such as key-fobs, GPS tracking, NFC, BLE and Zigbee communication, security cameras, and WiFi applications. PulseLarsen's internal FPC and PCB antennas are often connected by a cable and connector and can be customized and optimized for your automotive application. Common locations for these antennas can be fixed inside the mirror, under the dash, inside your wireless or tracking device, in the door handle, inside the radio and more.



SMALLEST 2.4GHz  
antenna  
W3092 - 2x1x0.5mm



GPS, GLONASS PATCH:  
W3223 - 25x25x4mm,  
Pin feed  
W3224 - 18x18x4mm,  
W3225 - 25x25x4mm, SM



ISM Coils  
W3126 - 315 MHz  
and W3127 - 433MHz



FPC Multi-bands  
W3915 (3G/GPS)

**Ceramic Chips:**  
W3006, W3078, W3095



**PCB antenna:**  
W3315B0100 and W3593B0100  
NFC/BLE: W5100, W5101



**MIRROR ANTENNAS**, 698-2700MHz  
W6100: Cable on side with Fakra conn.  
W6101: Cable at the end with Fakra conn.



## EXTERNAL AND OUTDOOR ANTENNAS FOR AUTOMOTIVE APPLICATIONS

PulseLarsen manufactures a diverse line of outdoor automotive antennas. Our ruggedized, built-to-last antennas cover frequencies 136 MHz to 6 GHz, including GNSS and multi-bands. Most antennas are available in a variety of mounting styles including NMO, direct, glass, and magnetic mounts, and in many different form factors such as low profile, stealth blade, low profile transit, and whips. Pulse is a leader in automotive aftermarket antennas and has been a main supplier to large Automotive OEM's for decades.

### GPS Multi-Bands



GPSMB501 - LTE  
MiMo, WiFi Mimo,  
GPS (direct and  
magnetic Mount)



GPSMB401 - LTE MiMo, WiFi,  
GPS Low profile, for off-  
ground applications



GPSDM700/2500FFS  
(Shark Fin) - LTE and GPS



GPSCP00 and  
GPSCPMM  
(GPS and Cellular,  
low profile)



GPSGM800/2170 - GPS/3G  
external antenna



GPSSB800/2170FS - GPS/3G  
806-960, 1710-2170, GPS

### WiFi

W1043, W1028B



SPDA17RP2400/5900  
external antenna



Low Profile Vehicle  
SLPT698/2170DMN (LTE) and  
SLPT2400/5900DMN (Dual WiFi)

### CUSTOMIZATION

Choose PulseLarsen for World Class design, test and manufacturing of high reliability antennas systems to give you the best connectivity between you, your car and the World!