

Evidence of U.S. Parts in Turkish Drones Deployed by Azerbaijan

Battlefield evidence confirms that Turkey's Bayraktar Drones - deployed by Azerbaijan against Armenian civilians in Artsakh - contain parts and technology from U.S. firms, U.S.-based affiliates of foreign firms, and firms located in NATO ally countries (Canada, UK, France, Germany, Austrian, and Netherlands).

Airborne Modem Transceiver



ViaSat
Carlsbad, CA

Component Details:

CAGE Code: 47358

REV. 007

P/N: 1113495

S/N: 80719

Power: 24-32 VDC



Field Programmable Gate Arrays (FPGA) Chip

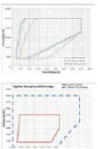



XILINX:
San Jose, CA

ZYNQ FPGA chips produced by San Jose, CA-based Xilinx control flight-path, missile guidance, and target tracking for Turkish-produced Roketsan's MAM-L missile, which are fired from Turkey's Bayraker UAVs.

BAYKAR

ROKETSAN MAM-L



Technical Features

Max. Range (depending on launch altitude and platform velocity)	> 8 km
Min. Range (depending on launch altitude and platform velocity)	< 2 km
8 km Range Flight Time	< 80 s
Accuracy	< 3 m
Warhead Effectiveness and Targets	ANTI PERSONNEL
Type V Insensitive Munition against bullet impact and fuel fire	Effective in 20 m diameter against personnel
Type V Insensitive Munition against bullet impact and fuel fire	ANTI ARMOR (bullet tank, armored vehicles (100 mm RHA armor penetration))
Guidance	Inertial Midcourse Navigation + Semi Active Laser (STANAG 3733)
Weight	215 kg
Length	1000 mm
Diameter	160 mm



Antenna



Comant Industries
Fullerton, CA

Component Details:

PN: CI 120-1

WT: 1.2lb

SN: 560064

Code Indent: 51351



GPS Receiver



Trimble Navigation
Sunnyvale, CA

Component Details:

AT1675-450TW-TNCF-000-RG-43-NM-R

S/N: 7907

P/N: 86362

DATE OF MANUFACTURE: 08/18



Fuel Filter



Hengst

Camden, SC - US affiliate of German firm

Component Details:

H80WK07

4030776008210



Stub Bus Coupler



MilesTek

Lewisville, TX

Component Details:

Model number: 90-50205

CAGE code: 4Z977

Serial number: 257821



GPS Navigation Unit



Garmin
Olathe, KS - U.S. affiliate of Swiss firm

Component Details:

GNC 255A
p/n 011-02806-00
GMN -00999



Optical Unit



WesCam
Orlando, FL - U.S. affiliate of Canadian firm

Component Details:

L-3 WESCAM CMX-15D
NSCM: 3AC24
P/N: 49380-09
S/N: 493801183
C/O: 76330-04



Radar Altimetre



Smart Microwave Sensors
Irvine, CA - U.S. affiliate of German firm

Component Details:

Antenna220701

0x0002A52D



Sealed Fuel Reservoir

Beringer
Greenville, SC - U.S. affiliate of French firm

Component Details:

Component Details:

RV-001E/N

RV-001E(A)

Batch: 04-18



EUROPE:

Fuel Pump



Andair
United Kingdom

Component Details:

COMPONENT 1: FS20 Type 1 Valve
Serial No: 50834

COMPONENT 2: CK375 Check Valve



Bomb Rack

Edo MBM Technologies
Brighton, UK



Missile Battery



ASB Aerospatiale
Bourges, France

Component Details:

MFR CAGE code: FA0V0

ASB P/N: 158P330-00

BAB 64x64

S/N: 4649

MFG LOT: 11/19

DATE OF MFG: 04/2019

RAS 1440



CANADA:

Antenna Radio Transmitter and Amplifier



MicroHard Systems
Calgary, Canada

Component Details:

AMPLIFIER:

2019.12

PCV104530R03

Linear AMP 900

2400/900

BOM 104530R03.0

791-00065 0420

TRANSMITTER:

Interface Card

HV Interface

BOM001060R03.0 596-00202 0318

n920X2

0103

