FULL BOX-BUILD AND RAPID DELIVERY

PROGRAM HIGHLIGHTS

The customer provides a broad range of products to the global cable television industry and PVNs (Private Video Networks). They approached Vexos to build their IP to analog product.

This product ingests programs in IP format and retransmits them in analog format and consists of 20 commercial encoders, a commercial IP switch, 20 custom RF converters, two custom RF motherboard/combiners, and a complex arrangement of CAT-5 and coax cabling, all packaged in a custom chassis.

The product was previously built by the customer in very low volumes in-house by their engineering team with little documentation and build instruction package. They had a sudden increase in demand of over 500 units that were to be delivered within a very short timeframe. RF testing on the product needed fine tuning for production, as well as the need to incorporate design enhancements into the product to include a new processor board.

SOLUTION

Vexos assigned a dedicated team of program managers and engineers. The BOMs and documentation was reviewed and analyzed for build process and cycle times and recommendations were provided to the customer to reconfigure the product structure to maximize assembly time efficiencies.

A process was developed for automated solder application for RF shields and a paste-in-hole process was developed for a critical connector assembly. PCBA documentation was created for an open source assembly. DFM and product enhancements were incorporated into the final design; and a complete test strategy for PCBAs and sub-assemblies was developed with the customer including RF sub-assembly tests, PCBA programming verification, and final assembly configuration and verification.

RESULT

Meeting the customers deadline, Vexos was able to provide a large quantity of complete, tested, full box-build assemblies without compromising quality. The customer praised the high level of quality to which the products were produced and were pleased with the overall resulting cost reductions. Vexos continues to provide the cusotmer ongoing quality products in the most cost effective ways.

Dependable Quality

Vexos achieves the highest quality levels by utilizing the latest equipment, processes, quality standards and certifications across the organization; to enable a flawless launch of each individual program.

- Rigorous selection of sub-contractors or partner factories
- Performance evaluation and monitoring through regular audits of the factories
- Continuous training for personnel at all levels
- Document control to safeguard your data and release of technical documents
- Sample approval process including production part approval process (PPAP)

Certifications

- ISO 9001:2015
- ISO 13485:2016
- ISO 14001:2015
- FDA registered
- OHSAS 18001:2007
- RoHS and Non-RoHS
- IATF 16949:2016
- CGP certification

Markets We Serve

COMMUNICATIONS

INDUSTRIAL

MEDICAL

SMART GRID

SECURITY

AUTOMOTIVE

COMPUTING

AVIATION DEFENSE SPACE

HVAC

Locations

USA

LAGRANGE, OHIO, USA
MANUFACTURING FACILITY
110 Commerce Drive, LaGrange, OH 44050, USA
+1 440-284-2500

CANADA

MARKHAM, ONTARIO, CANADA
MANUFACTURING FACILITY
195 Royal Crest Court, Markham, Ontario, Canada L3R 9X6
+1 905-479-6203

EUROPE

MALMÖ, SWEDEN
EUROPEAN SALES OFFICE
WTC Building, Skeppsgatan 19, SE-211 11 Malmö, Sweden
+46 705 48 26 59

ASIA

DONGGUAN, CHINA
MANUFACTURING FACILITY
Block A, Plainvim Industrial Park, Dongkeng Avenue, Dongkeng Town
Dongguan City, Guangdong, PRC, 523455
+86 769 8101 5368

HO CHI MINH CITY, VIETNAM
MANUFACTURING FACILITY
Floor 4th, Standard factory B, Tan Thuan street, Tan Thuan EPZ, Tan Thuan Dong ward, District 7, Ho Chi Minh City,
72909, Vietnam
+84 28 3636 2939

HONG KONG
ASIA LOGISTICS
Flat A, 11/F Wing Tai Centre, 12 Hing Yip Street
Kwun Tong, Kowloon, Hong Kong
+852 2304 7900

WINNER OF 2022 CIRCUITS ASSEMBLY'S AWARDS

2022 CIRCUITS ASSEMBLY'S SERVICE EXCELLENCE AWARD — OVERALL SATISFACTION

2022 CIRCUITS ASSEMBLY'S SERVICE EXCELLENCE AWARD — FLEXIBILITY

2022 CIRCUITS ASSEMBLY'S SERVICE EXCELLENCE AWARD — TECHNOLOGY

2022 CIRCUITS ASSEMBLY'S SERVICE EXCELLENCE AWARD — MANUFACTURING QUALITY

2022 CIRCUITS ASSEMBLY'S SERVICE EXCELLENCE AWARD — VALUE FOR THE PRICE

vexos.com | 855-711-3227