

Розробка системи кінцевої обробки деталей з пластику ABS

Системна інженерія - 6.050201

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Проблематика







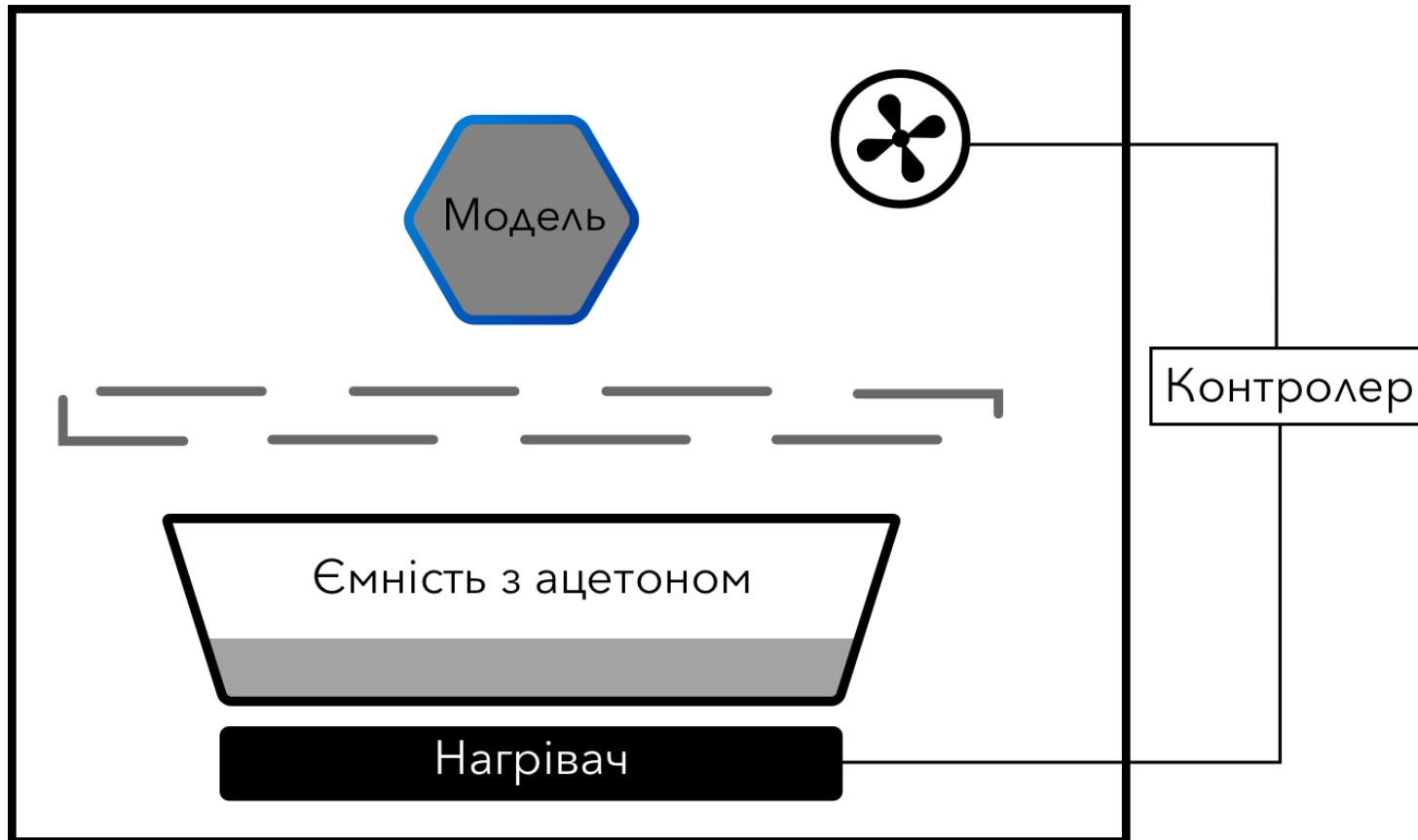
Методи обробки пластику:

- Полірування
- Ґрунтовка і фарбування
- Обробка ацетоном
- Ацетонова баня

**Ацетонова
баня**

Принцип дії

Герметичне середовище





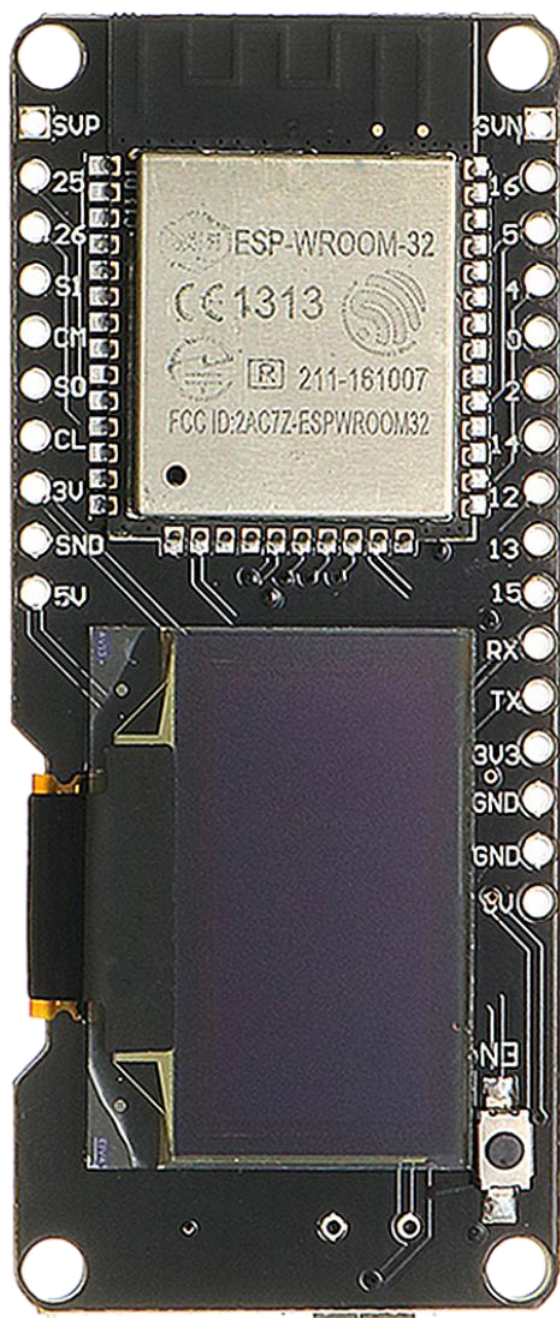


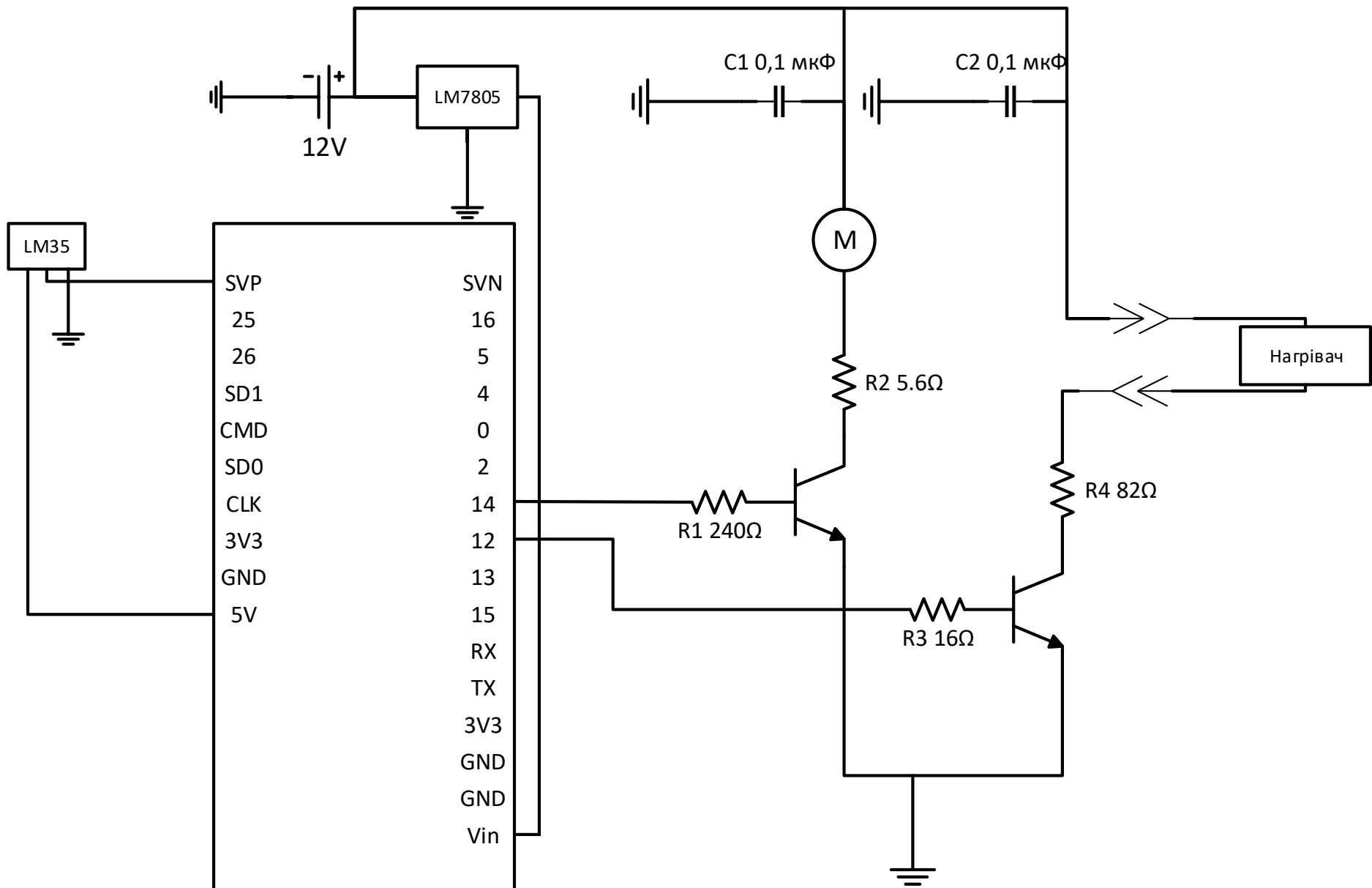
Реалізація

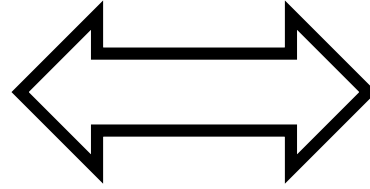
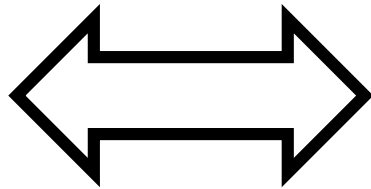
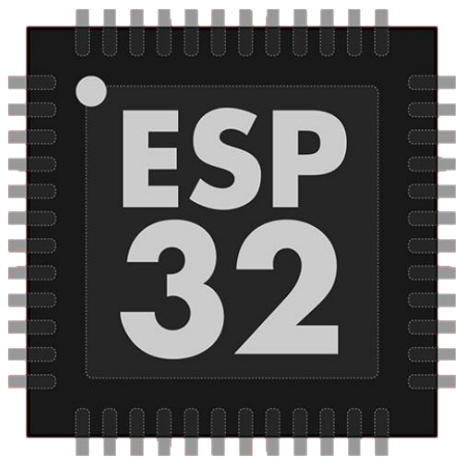
ESP32AQ

- Бездротові інтерфейси (Bluetooth, Wi-Fi)
- ЦАП
- АЦП
- ШІМ – виходи











60

50

40

30

20

10

0

1

5

9

13

17

21

25

29

33

37

41

45

49

53

57

61

65

69

73

77

81

85

89

93

97

101

105

109

113

117

121

125

129

133

137

The graph displays two data series over 137 iterations. The x-axis represents iterations, with labels every 4 units from 1 to 137. The y-axis represents a numerical value, ranging from 0 to 60 in increments of 10. Both series begin at a value of approximately 24. They exhibit initial fluctuations, with a notable dip around iteration 2. From iteration 9 onwards, both series show a consistent upward trend, reaching a plateau of approximately 56 by iteration 85. Following this plateau, the series continue to fluctuate, generally staying between 54 and 56 until the end of the 137th iteration.

| Iteration | Series 1 (Black) | Series 2 (Orange) |
|-----------|------------------|-------------------|
| 1 | 24 | 24 |
| 5 | 23 | 23 |
| 9 | 25 | 25 |
| 13 | 28 | 28 |
| 17 | 30 | 30 |
| 21 | 32 | 32 |
| 25 | 36 | 36 |
| 29 | 38 | 38 |
| 33 | 41 | 41 |
| 37 | 42 | 42 |
| 41 | 44 | 44 |
| 45 | 46 | 46 |
| 49 | 46 | 46 |
| 53 | 48 | 48 |
| 57 | 48 | 48 |
| 61 | 50 | 50 |
| 65 | 50 | 50 |
| 69 | 52 | 52 |
| 73 | 52 | 52 |
| 77 | 54 | 54 |
| 81 | 54 | 54 |
| 85 | 56 | 56 |
| 89 | 56 | 56 |
| 93 | 56 | 56 |
| 97 | 55 | 55 |
| 101 | 56 | 56 |
| 105 | 56 | 56 |
| 109 | 56 | 56 |
| 113 | 56 | 56 |
| 117 | 56 | 56 |
| 121 | 55 | 55 |
| 125 | 55 | 55 |
| 129 | 56 | 56 |
| 133 | 55 | 55 |
| 137 | 55 | 55 |

