
Sistem automat de expunere UV a cablajelor imprimate
Student:
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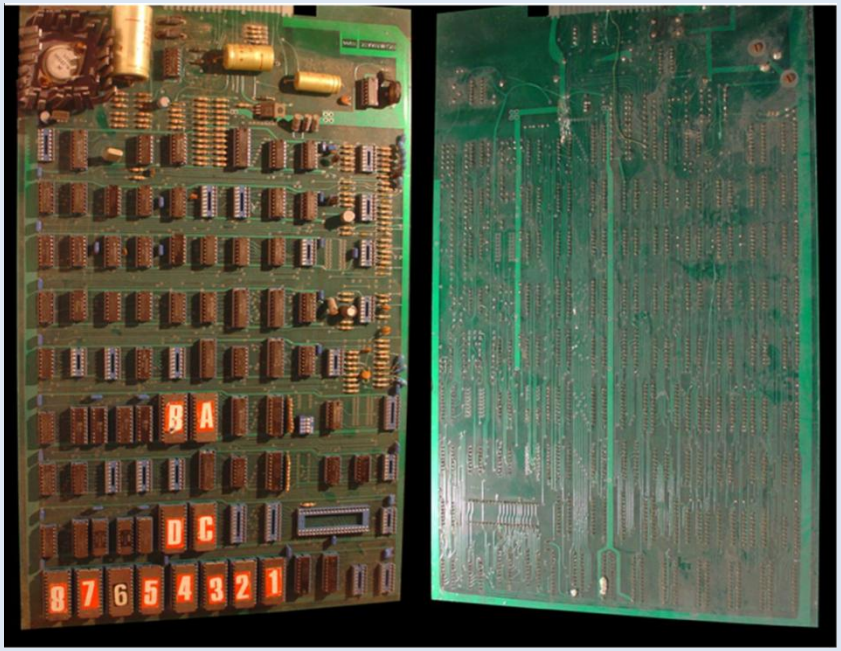
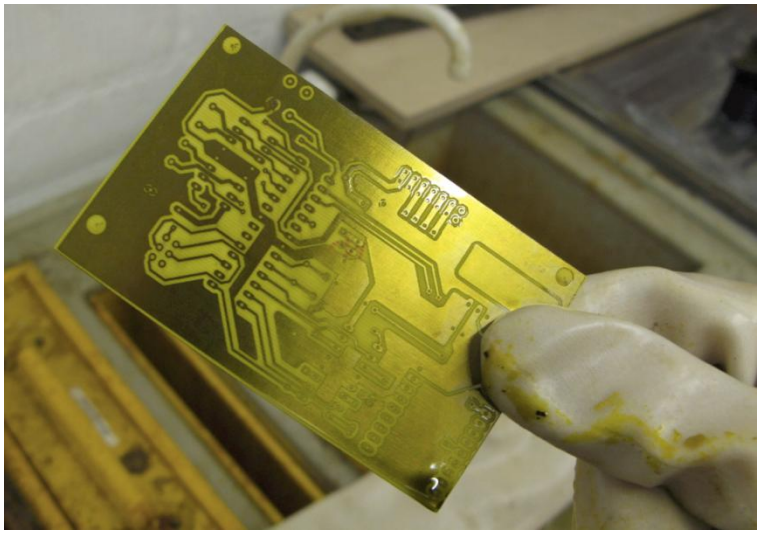
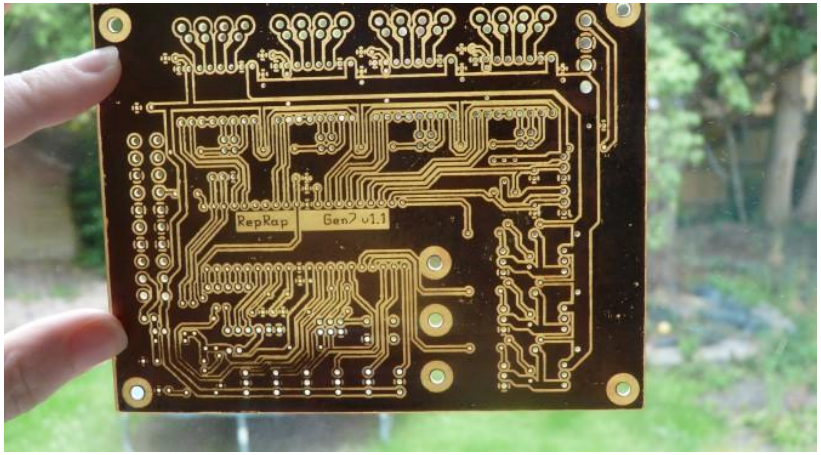
2014

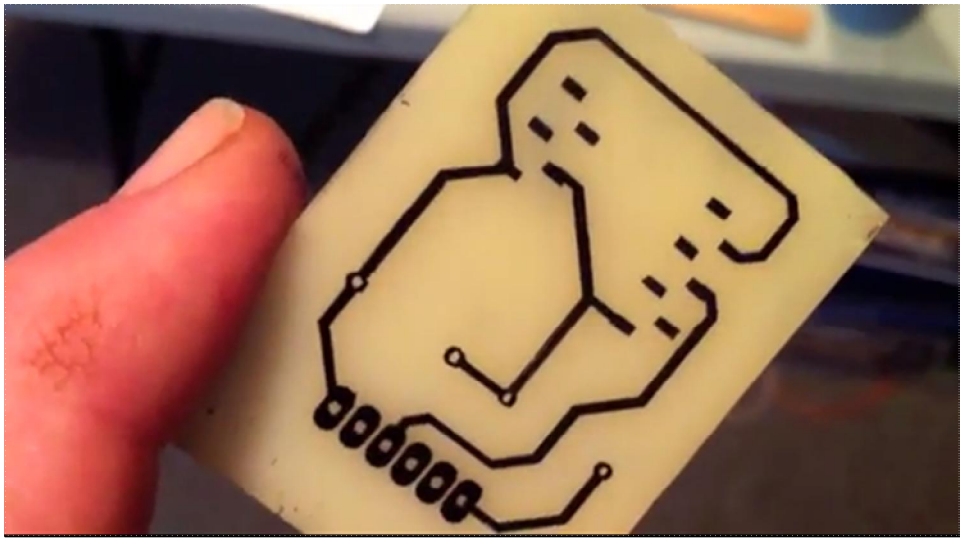


Cablaj imprimat ~ 1980

Realizare PCB la nivel industrial

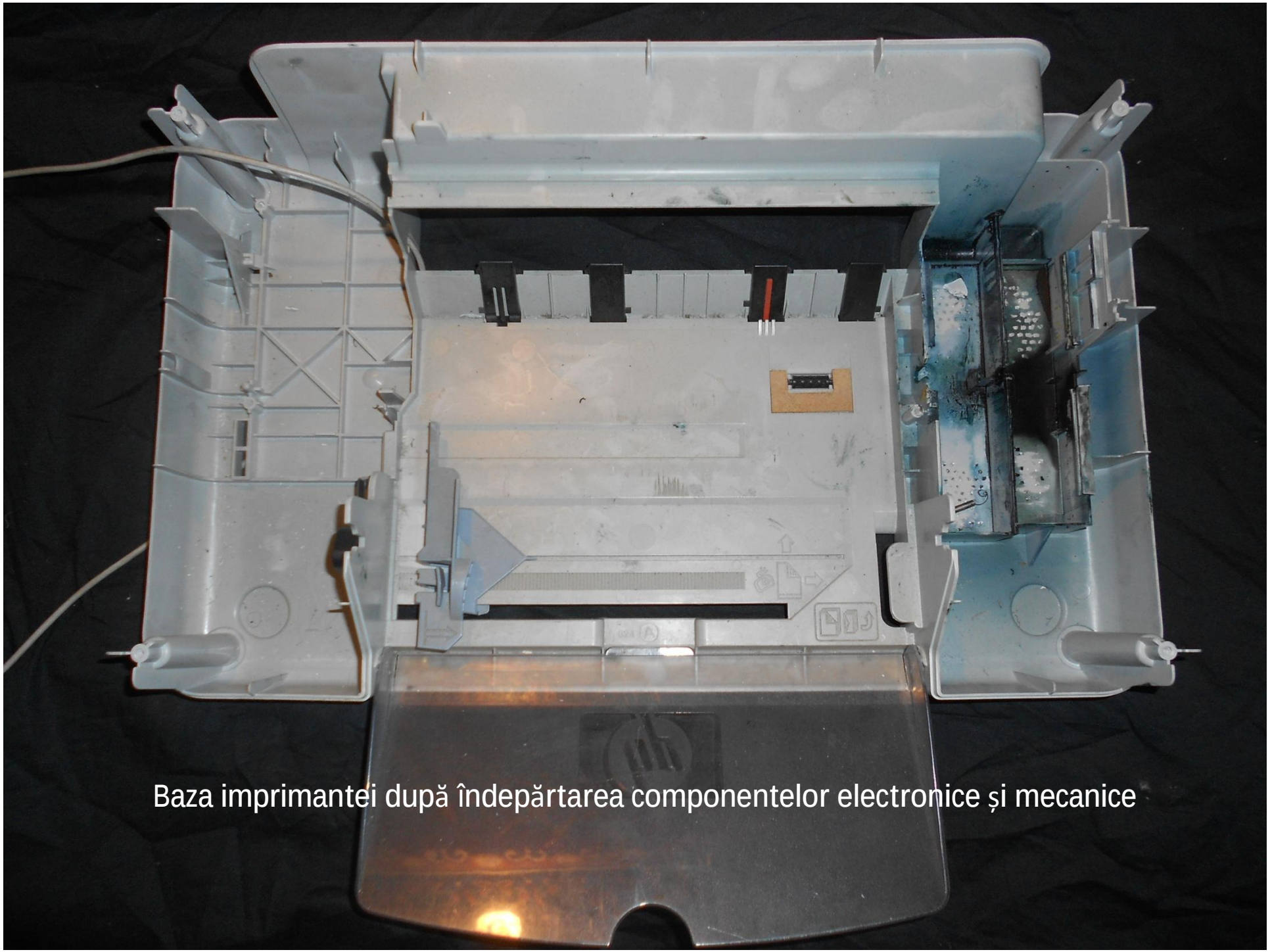



RepRap
Gen7 v1.1



Construcția

HP PSC 1210-ALL-IN-ONE



Baza imprimantei după îndepărtarea componentelor electronice și mecanice

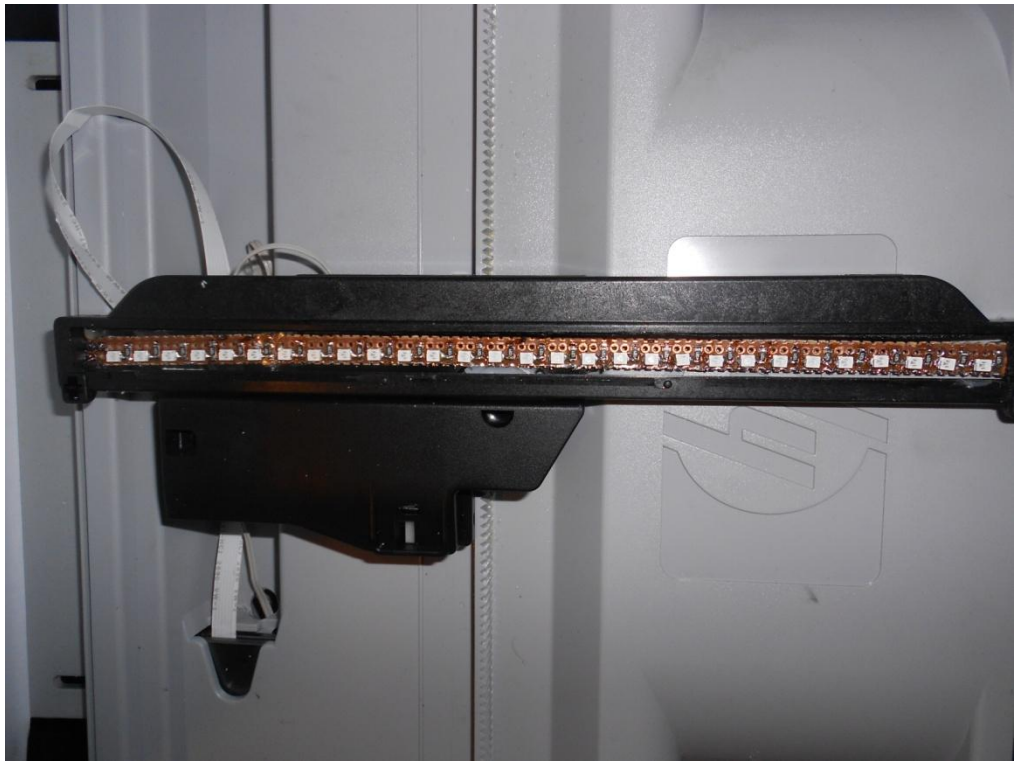


FIG.1

Ledurile poziționate pe carul scannerului

FIG.2

Item	Symbol	Value		Unit
DC Forward Current	I_F	30		mA
DC Forward Voltage	V_F	Typ 3.4	Max. 3.8	V
Reverse Voltage	V_R	5		V
Power Dissipation	P_D	114		mW
Operating Temperature	Topr	-30 ~ +85		℃
50% Power Angle	$2\theta_{1/2}$	120		deg

FIG.3

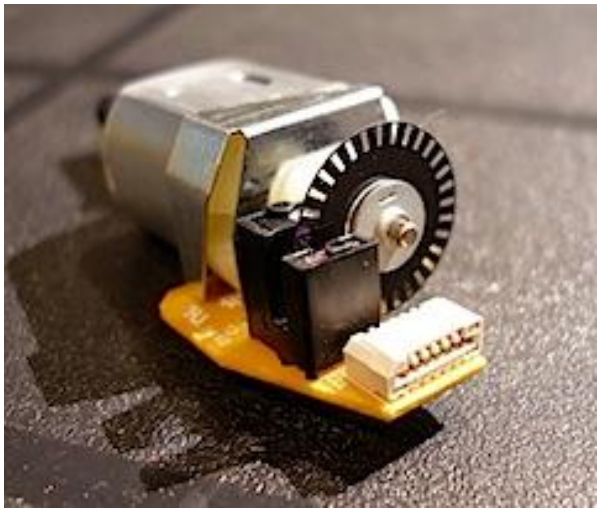


FIG.4 Motor+Encoder

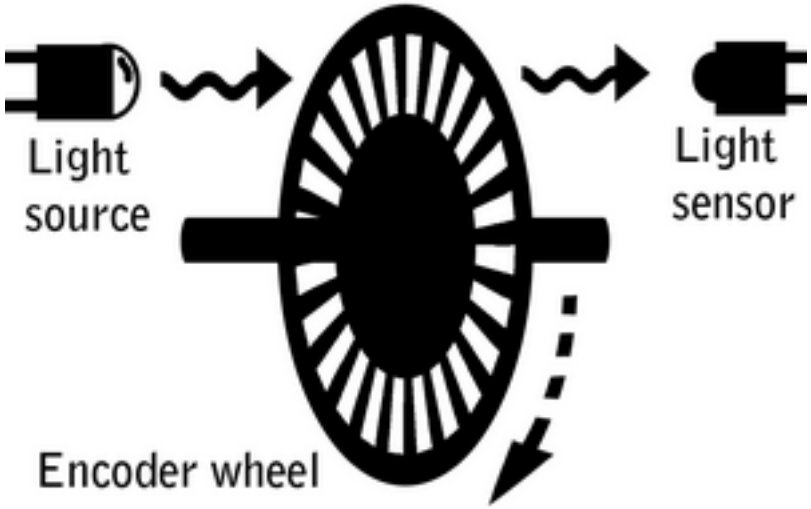


FIG.5

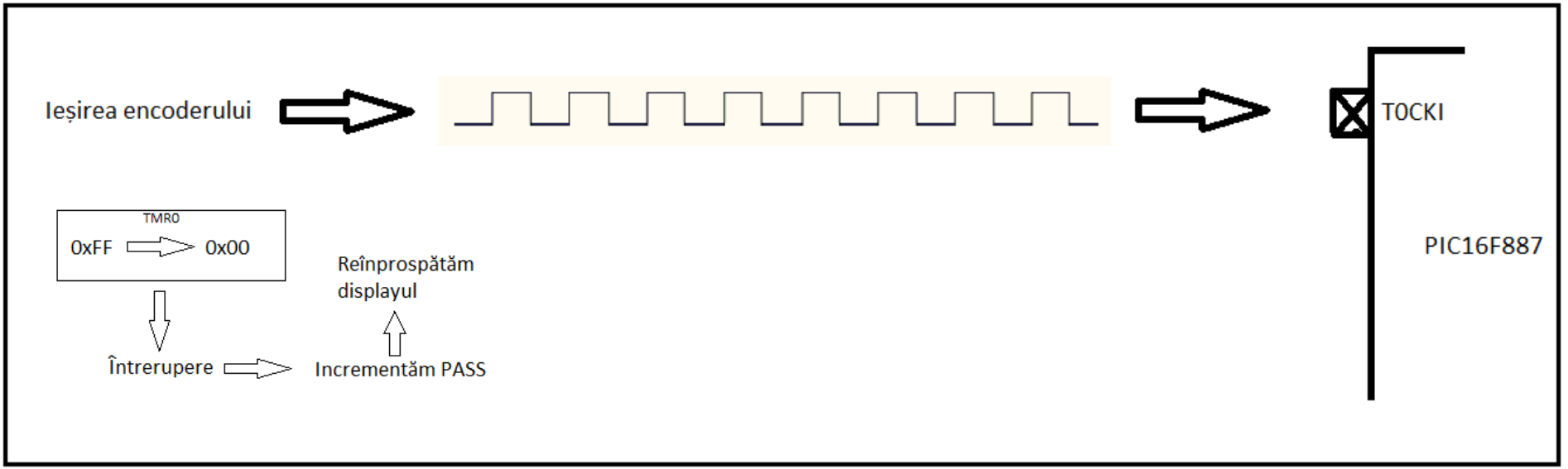


FIG.6

Schema electrică

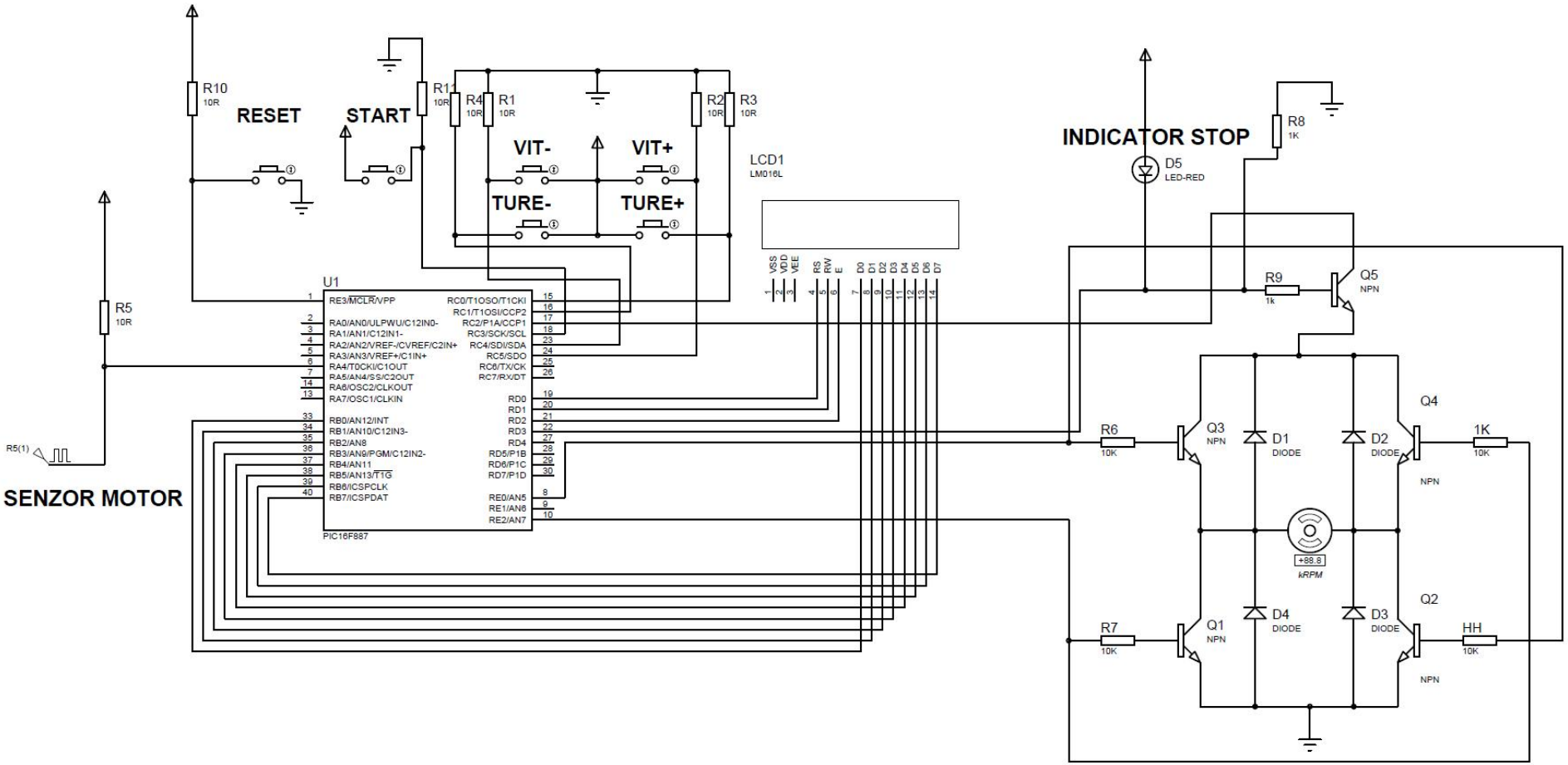


FIG.7

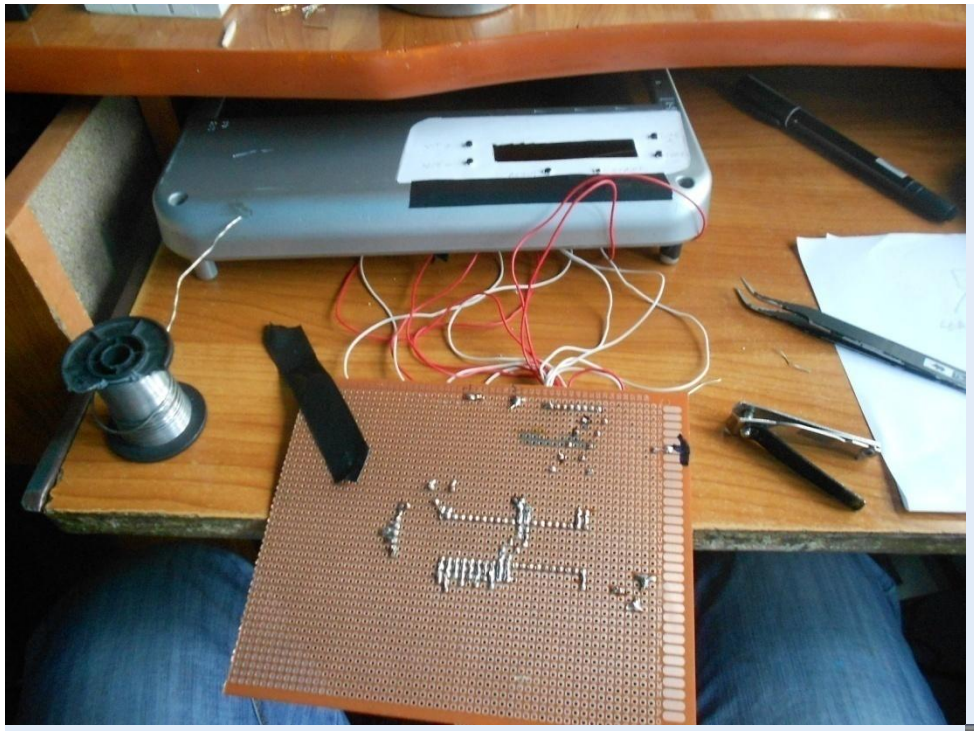


FIG.8 Controlerul în timpul construcției

FIG.9 Controlerul montat în corpul imprimantei

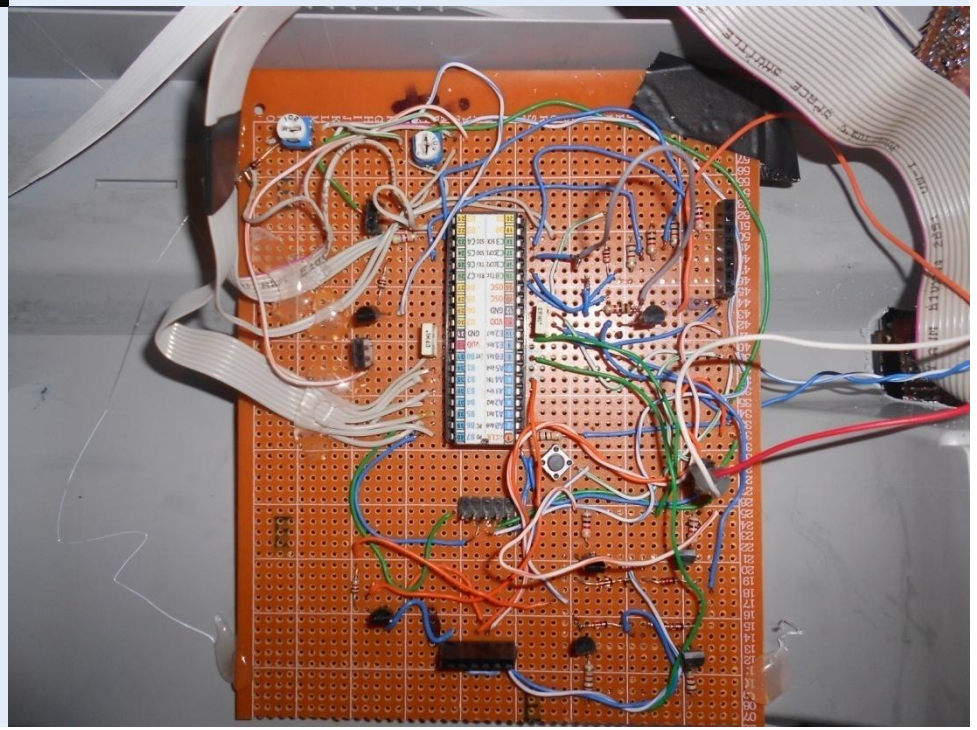


FIG.10

- VIT+
- VIT-
- RESET
- START
- TURE+
- TURE-

VIT+ mărește cu un pas viteza de deplasare
VIT- scade cu un pas viteza de deplasare

TURE+ mărește numărul de treceri
TURE- scade numărul de treceri


SP:128 PASS:00
SET PASS:02
RESET
START

Structura programului

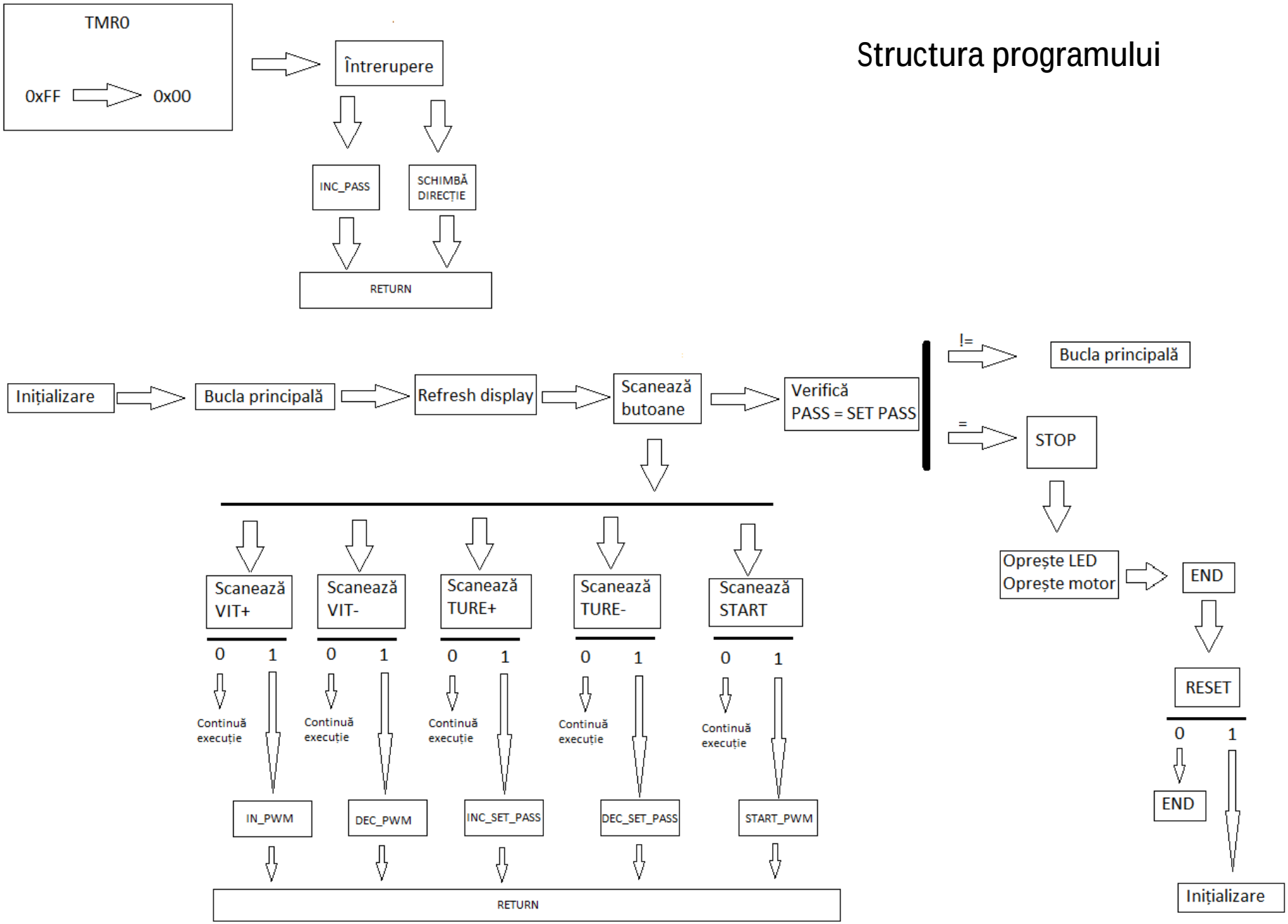


FIG.11 Structura programului

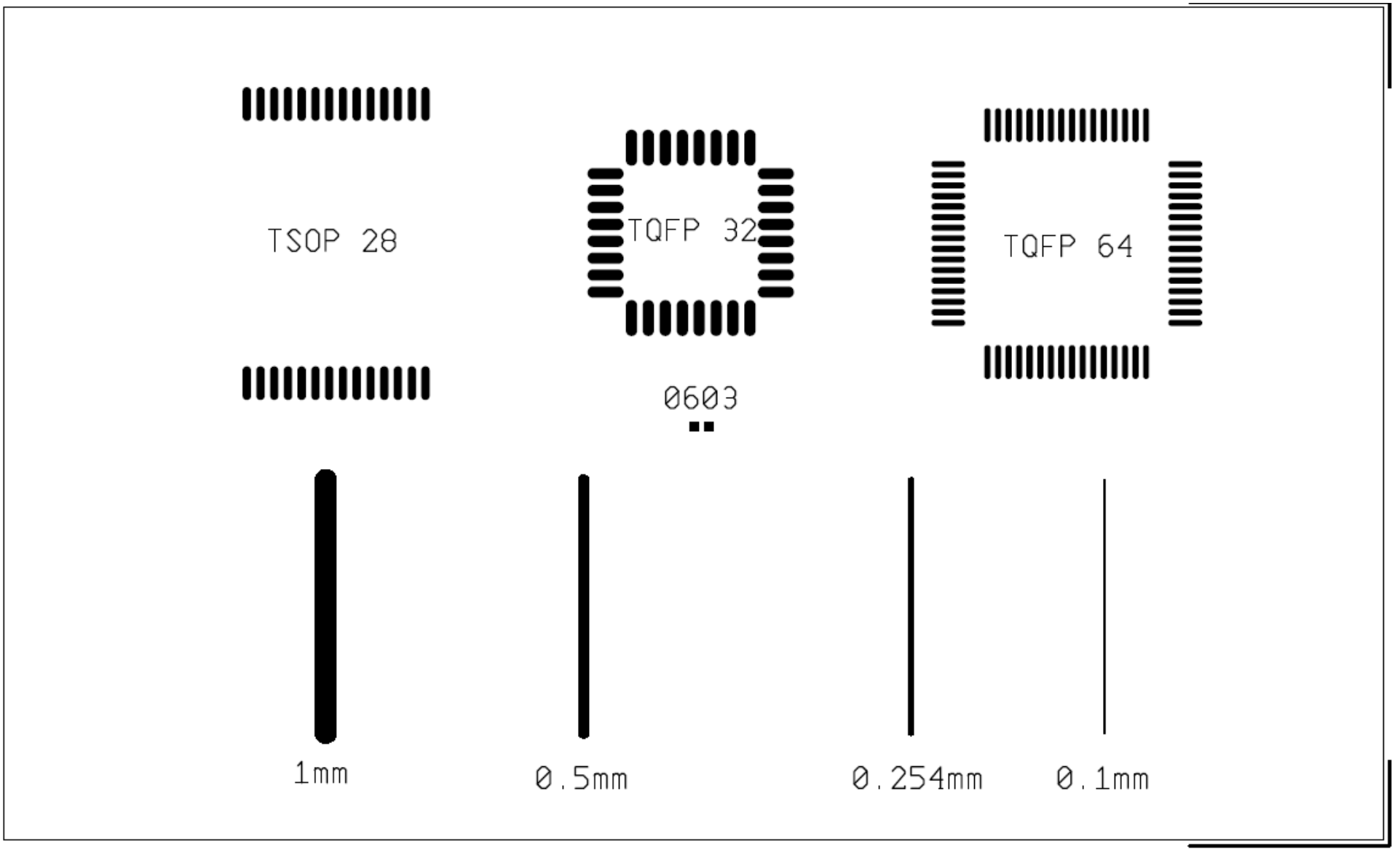


FIG.12

Vă mulțumesc