

which tool is right for you?

how they are similar

BOTH are **FREE PCB DESIGN TOOLS** for **PROTOTYPE TO PRODUCTION BOARDS**

QUOTE & ORDER

directly through the software or online

ORDER QUANTITY

no minimum quantity for orders

FILE TYPES

proprietary with free gerbers upon order

TOOLING CHARGES (NRE) *

no tooling charges on in-app orders

LAYER COUNT

standard 2, 4, & 6

MATERIALS AVAILABLE *

FR-4 RoHS compliant materials

DRILL CAPABILITIES

minimum 0.008" / maximum 0.250"

SURFACE FINISH *

HASL or immersion silver

SOLDER MASK *

0-2 sided, green on bare copper

LEGEND AND SILKSCREEN *

0-2 sided, white

BOARD SHAPE AND ROUTING *

routed individually to perimeter cut lines

CONTROLLED IMPEDENCE

none

MANUFACTURING QUALITY STANDARD *

IPC-A-600 class 2

CUSTOMER SUPPORT

phone, email, & live-chat

* also available through **SUNSTONE ONEQUOTE** form

TOOLING CHARGES (NRE)

may occur depending on service level

MATERIALS AVAILABLE

Rogers 3000, Rogers 4000,
Rogers RT Duroid (5000 and 6000 series),
Taconic, Arlon, & Polyflon

SURFACE FINISH

ENIG, copper only, hard gold,
soft gold, lead free HASL,
& selective plate also available

SOLDER MASK

red, blue, white, black, clear,
purple, yellow, & orange

LEGEND AND SILKSCREEN

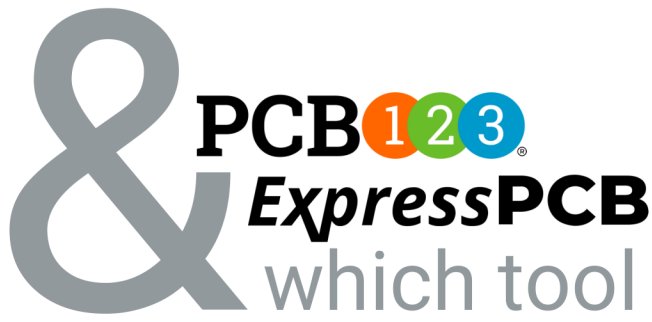
black, & yellow

BOARD SHAPE AND ROUTING

tab, tab with perforations,
& V-score

MANUFACTURING QUALITY STANDARD

IPC-A-600 class 3,
IPC 6012 class 2,
IPC 6012 class 3,
IPC 6018 class 2,
& IPC 6018 class 3



which tool is right for you?

how they are different

PCB123

BUILD TIME

1 to 15 business days

INCOMING INSPECTION

standard limited review
—other options also available

LAYER COUNT

up to 16 layers via Sunstone

COPPER WEIGHT (Cu)

standard 1oz, 2oz, & 3oz
—other options also available

BOARD THICKNESS

standard 0.031" and 0.062"
—other 0.047", 0.093", & 0.125"

MAXIMUM BOARD SIZE

14" x 18"

TRACES & SPACING

0.004" for 1oz Cu, 0.005" for 2oz Cu,
& .007" for 3 oz Cu

ExpressPCB

BUILD TIME

1 to 5 business days

INCOMING INSPECTION

no standard review
—other options also available

LAYER COUNT

no custom options available

COPPER WEIGHT (Cu)

standard 1oz
—other options also available

BOARD THICKNESS

standard 0.062"
—other 0.031", 0.047", 0.093", & 0.125"

MAXIMUM BOARD SIZE

12" x 14"

TRACES & SPACING

0.005" for 1oz Cu



PCB123

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live chat



ExpressPCB

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live chat