

白皮书 / White Paper

Circuit Punk · TAP-721 · X Layer。本文只记载已经部署的规则，不构成投资建议。

This paper records the rules already deployed. It is not investment advice.

中文

摘要

TAPELIQUID 是 TapeOut 的交易前端。现已启用四项功能：Circuit Punk 在本站二级市场挂单并结算；创世电路在官方市场买卖；BEM、OKB 与 TAPE 经官方流动性池兑换；右上角钱包用于连接、断开，以及在 BSC 与 X Layer 之间切换。本站不托管资产。用户签名之前，代币留存于其钱包。

本站发行规则仅约束经本站创建的项目。tapeout.net 上已经铸造的晶体管与流片电路仍为协议原件。本站承认该等合约，不重复铸造，亦不变更官网以 BNB 或 OKB 计价的铸造价格。

创建交易调用已部署工厂合约 0x2872E6D6AB14C5Cdb08587b437Bd16248270A04d，部署交易 0x73ebdd1527e39065ba4da9f8869b5c06d8a3d5e62cbefe64ccdda24e94f5dd0。收费地址、0.026 OKB 金库初始保证金及回购开关均固化于该合约。合约无管理员、不可升级，亦无法转出金库。前端不再另行部署工厂。

Circuit Punk

Circuit Punk，符号 CPUNK，是本市场的创始收藏。它是第一套 Circuit Punk，也是唯一一套。发行所依据的文本，是 TapeOut 的 Netlist-Bound NFT 草案，提案名称为 TAP-721。该草案于 2026 年 10 月 18 日提交至 TapeOutProtocol/TAPs，编号尚未由编辑正式分配，现以议题 66 与拉取请求 67 中的文本为准，公开副本在 github.com/BruceLanLan/TAP-721。

TAP-721 扩展 ERC-721。每一枚代币除图像外，还绑定一份自包含的 tapnet/1 网表：TAP-02 所定义的 NAND 与 LATCH 记录，前置 16 字节文件头，不含 REF。该文件的 SHA-256 即网表哈希。一致性分为两级。L0 只要求元数据给出图像、网表与哈希，合约不必实现 iTapNetlistNFT。L1 才把网表接口写入合约。Circuit Punk 目前处于 L0。持有人可以核对网表与哈希，但不能据此主张已经流片，也不能把它视为协议上的创世电路。创世电路仍是 TAP-10 下的 ERC-721，交易继续在官网市场完成。

创始收藏里的 OG，指的是名册，不是修饰。比特币一侧收入 Hal Finney、Adam Back 与 Jameson Lopp，分别对应第一个客户端、工作量证明的前身，以及节点与自托管的公开实践。BEM 一侧收入早期持有人，其中包括 TapeCode 一号、火星人 @bitcoin2themars，以及协议创始人 @Blonskr。2026 年 10 月 19 日，这些当时公开的头像被收成 24×24 的电路肖像，写入这一万枚的生成规则，供后来的读者辨认这条路是从哪里走来的。肖像仅为纪念。本文件不构成投资建议。本收藏不使用商标。被收入者可以要求撤下相应底样。版图仍由编号决定：极紫外晶粒 9 枚，键合巨像 24 尊，报废晶粒 88 片，其余为晶圆人像、吉祥晶粒、对准标记、缺陷图样与纪念版图。

合约部署于 X Layer：0xB5ac1dddc158a639D4499aad2d8F393989D4bD34。发行总量 10,000 枚。公开铸造额度 3,000 枚，编号自 7001 起，单价锁定为 1 TAPE 加 0.001 BEM，单一地址最多铸造 10 次。该公开额度现已铸毕。预留 7,000 枚，不进入公开定价。图像地址 <https://tapeliquid.net/api/circuit-punk/> 已固化，不可更改。前端统一使用名称 Circuit Punk。链上名称已经固定。以其他名称再次创建的，不属于本套图像。工厂不按名称拒绝第二次创建。

本站二级市场仅交易 Circuit Punk。铸造页只执行铸造，不办理成交。挂单可以 BEM 或 TAPE 计价。买方按 1 BEM 对 1,000 TAPE 同时支付两侧资产。协议手续费为成交额的 0.2%，于结算时扣除。挂出后，NFT 由合约托管。卖方在市场「我的挂单」中撤单，无需翻阅全部图录。查阅单枚时，可见类型、衬底、金属层、对准、键合、封装，以及存世数量与稀有度。点选旁侧空白处关闭。持有数量、编号与图像仅在资产页展示。

预留构成分配名册，不是致谢。TapeCode-Test1 一号，火星人 @bitcoin2themars，地址 0xddb587D88C0AFa42317E033bD11edC2462B873f，定向分配 100 枚，编号 51–150。TapeCode #8855，TapeOut 协议创始人 @Blonskr，地址 0x571d447f4f24688eC35Ccf07f1D6993655F6aF15，定向分配 50 枚，编号 1–50。TapeCode 持有地址各分配 1 枚，编号 1000–6019，合计 5,020 枚。本站电路持有地址各分配 1 枚，编号 151–369，合计 219 枚。位于销毁地址的 TapeCode 不列入名册。

原未领取额度为 1,611 枚，编号 370–999 及 6020–7000。其中 130 枚已直接空投到账，十三个地址各 10 枚，不进入公开定价。93.bitmap，地址 0x8EC346D8a7156776aDFacBA5ddDB2ff9B308cB50，编号 370–379。0x杨杨 | tapeout，地址 0xA11E739adF417ffe34e1EBa75dF2031499192B66，编号 380–389。LOYAL路遥，地址 0x2b067593B4f9B0D26564C83F20E91b5D0e286Dc6，编号 390–399。基金会 TapeOutCF，地址 0x04B649076a11819EF7AdA36e02DD55e0923550Ee，编号 400–409。星帅，地址 0x876c3500883C072d6EA447E6e7C8F097AA7c7bC0，编号 410–419。茹花小姐，地址 0x75c186Ede5D0691d66BC932FD04F8E149d1F5fA5，编号 420–429。Sussie，地址 0xB8bD12503918476a2785CF1617A0FAf13aad771C，编号 430–439。周红衣，地址 0x94e8c5822ff10be48713adae49af7acdb390eeb4，编号 440–449。Yasimin雅思敏，地址 0x072925B5375063A3c6ADc37D4611FF6ce5558f10，编号 450–459。橙子，地址 0xdC352A37

a53F5D45A9A6Fb44D8076a475884BA91，编号 460—469。OnlyEason | TapeOut，地址 0x1aeb3c9eC1EfA74aD7a543DBd02769C18Cd50119，编号 470—479。ywwweb3，地址 0x42445b49e961De2C071EA20f73db769987303D64，编号 480—489。Ch!cken(TapeOut薄版)，地址 0x98Ce75463917E5fd1470675c6F133a38F7167712，编号 490—499。上述 130 枚已直接到账。其余 1,481 枚，编号 500—999 及 6020—7000，留待基金会后续安排，不进入公开定价。

星帅。地址 0x876c3500883C072d6EA447E6e7C8F097AA7c7bCO。空投 10 枚，编号 410—419。已直接到账。

茹花小姐。地址 0x75c186Ede5D0691d66BC932FD04F8E149d1F5fA5。空投 10 枚，编号 420—429。已直接到账。

Sussiie。地址 0xB8bD12503918476a2785CF1617A0FAf13aad771C。空投 10 枚，编号 430—439。已直接到账。

周红衣。地址 0x94e8c5822ff10be48713adae49af7acdb390eeb4。空投 10 枚，编号 440—449。已直接到账。

Yasimin雅思敏。地址 0x072925B5375063A3c6ADc37D4611FF6ce5558f10。空投 10 枚，编号 450—459。已直接到账。

橙子。地址 0xdC352A37a53F5D45A9A6Fb44D8076a475884BA91。空投 10 枚，编号 460—469。已直接到账。

OnlyEason | TapeOut。地址 0x1aeb3c9eC1EfA74aD7a543DBd02769C18Cd50119。空投 10 枚，编号 470—479。已直接到账。

ywwweb3。地址 0x42445b49e961De2C071EA20f73db769987303D64。空投 10 枚，编号 480—489。已直接到账。

Ch!cken(TapeOut薄版)。地址 0x98Ce75463917E5fd1470675c6F133a38F7167712。空投 10 枚，编号 490—499。已直接到账。

地址标注

ywwweb3。地址 0x42445b49e961De2C071EA20f73db769987303D64。空投 10 枚，编号 480—489，已直接到账。

Ch!cken(TapeOut薄版)。地址 0x98Ce75463917E5fd1470675c6F133a38F7167712。空投 10 枚，编号 490—499，已直接到账。

以后

公开铸造额度 3,000 枚，编号自 7001 起，单价锁定为 1 TAPE 加 0.001 BEM，现已铸毕。二级市场仅交易本收藏：按属性筛选，按稀有度或价格排序；挂单以 BEM 或 TAPE 计价，结算时两侧同时支付。

基金会剩余 1,481 枚不用于补足公开盘。另有 130 枚已直接空投到账，给予 93.bitmap、0x杨杨 | tapeout、LOYAL路遥、基金会 TapeOutCF、星帅、茹花小姐、Sussiie、周红衣、Yasimin雅思敏、橙子、OnlyEason | TapeOut、ywwweb3 及 Ch!cken(TapeOut薄版)，每地址 10 枚，编号 370—499。ywwweb3 的地址为 0x42445b49e961De2C071EA20f73db769987303D64，编号 480—489。Ch!cken(TapeOut薄版)的地址为 0x98Ce75463917E5fd1470675c6F133a38F7167712，编号 490—499。编号已经划定。不再另行发行第二套 Circuit Punk。

TAPE 对 OKB 已可在 Uniswap v4 成交，手续费为 15%。官方池仍须报价一侧达到 5,000 USDT 方可放行兑换。在此之前，该侧仅提供报价。回购与最后 30% 不会自动执行，须待项目在本工厂结束公开销售后，由任意地址调用。链上账本优先于页面表述。

创世电路

创世处理器位于 BSC，合约 0x50A994E71615474b55559f4F500928fbc339DD9。链上枚数以 nextId 为准，撰写本页时为 12,454。买卖经由 TapeOut 官方电路市场 0x6feEbbEbC07BcB90bd1Ac8b0CF9BaA4f0ff2B46f。

仅有效挂单可以买入。买方以已连接钱包按挂单价格支付 BNB。市场手续费为合约参数 feeBps，当前为 1%，自成交价扣除。无挂单的电路不得按拟定价格成交。

持有人挂单使用同一市场合约。首次挂单须先授权。取消签名即不构成成交。交易回执上链之前，页面不变更持有人。

兑换

选择 BEM，进入 BSC 上的 BEM / USDT 交易对。报价来自链上报价合约，滑点为 1%。仅在用户确认兑换后发送交易，钱包切换至 BSC。

选择 OKB，进入 X Layer 上的 BEM / OKB 交易对。报价为池中间价，成交价格不得低于中间价的 95%。流动性池为 0x2CcF8aa17F5DF9Fb5D51C9de12135a913f29f7A，路由为 0x4f0c28f5926afda16bf2506d5d9e57ea190f9bca。

BEM 可经 TapeOut 官方桥在 BSC 与 X Layer 之间按 1:1 转移。BSC 桥合约为 0xa84B8D3893De6e9922f2B29bE1e1b115845F5E72。OKB 与 TAPE 不设该桥，前端不提供跨链转移。

选择 TAPE，可以 OKB 在 Uniswap v4 的 OKB/TAPE 池成交，手续费为 15%。官方池 TAPE / USDT，合约 0x96dA5acDf8Fb8d3A6Ab742871CEA6167694a8641，仍须报价一侧达到 5,000 USDT 方可兑换。未达该阈值前，USDT 与 BEM 两侧仅提供

报价，不发送交易。当前官方池存量远低于该阈值。

BEM 与 OKB 兑换支付流动性池手续费及 gas。发行规则中的 0.2% 二级市场手续费，须待本站项目的二级市场接入链上后收取。现行 BEM、OKB、TAPE 兑换不另收该笔费用。

本站发射

公开价格锁定为 1 TAPE 对 0.001 BEM。倍数仅可为整数，两侧同时放大，不得单侧调整。项目亦可仅以 OKB 或仅以 BEM 发行。发行所用代币，即公开铸造与二级交易所用代币。OKB 的步进为 1，BEM 的步进为 0.001，同样仅按整数倍放大。

预留自总量划出，不参与公开铸造，且不得超过总量。单一地址最多铸造 10 次。总量由项目方确定。创建时按总量生成芯片属性与稀有度，同一项目内属性组合不重复。图像可以自行上传，也可以使用自有密钥或平台默认生成，风格分为朋克与写实。

每一枚收藏按 TAP-721 草案携带图像、tapnet/1 网表及 SHA-256。Circuit Punk 目前为 L0：哈希可以核验，标准仍在社区审核。本文不将其记为 L1，亦不主张已经流片。草案位于 github.com/BruceLanLan/TAP-721。

金库和分配

发行前，项目方存入当时价值 3 美元的 OKB，记为金库初始保证金。已部署工厂的保证金为 0.026 OKB。创建另销毁 1 TAP E。TAPE 与 BEM 配对，或仅使用 BEM 时，再锁定 0.01 BEM。仅使用 OKB 时，再锁定 0.01 OKB。初始保证金与该 0.01 不计入下列三部分。

公开铸造的收款仅为该次选定的代币。每一笔按整数分为三部分，除不尽的余数留在第三部分。30% 记入项目方可领取账。30% 记入释放账，不按日支付给项目方。40% 记入回购账，不设提取函数。售罄后，任意地址可以结束公开销售。未售罄时，仅项目方可于创建满 90 日后结束。结束后，项目方可领取该 30%，不以价格为条件。

倍数为 1、公开铸造 3,000 枚时，三部分恰好落在整数上。TAPE 与 BEM 配对收入 3,000 TAPE 与 3 BEM，分为 900 / 900 / 1,200 TAPE，以及 0.9 / 0.9 / 1.2 BEM。仅 OKB 收入 3,000 OKB，分为 900 / 900 / 1,200 OKB。仅 BEM 收入 3 BEM，分为 0.9 / 0.9 / 1.2 BEM。

回购使用上述 40%。结束公开销售时，将该数额记为基数。每日最多支出基数的九十分之一，当日未用部分不结转。挂单价格必须低于铸造价的两倍，且挂单已满 1 日。项目方自身地址不得向回购出售。买入后，NFT 转入销毁地址，对价支付给卖方。TAPE 与 BEM 配对同时支付 BEM 及 1,000 倍的 TAPE。仅 BEM 只支付 BEM。仅 OKB 只支付 OKB。该 40% 不用于在公开市场购买 TAPE 或 BEM。3,000 枚、倍数为 1 时，单日上限约为 0.0133 BEM 加 13.33 TAPE，或 13.33 OKB，足以买入一笔略低于两倍铸造价的挂单。公开仅铸出 1 枚时，单日上限低于最低挂单，回购无法成交。

释放账上的 30%，须在结束公开销售满 90 日，且连续 3 个自然日同时满足：至少有一笔不低于两倍铸造价、已挂满 1 日的挂单，且不存在低于两倍铸造价的挂单。项目方一次领取。满 90 日后若连续 3 日不满足，该部分永久不可领取。此后任意地址可以按日销毁，每日一份额，90 日可以销毁完毕。TAPE 与 BEM 直接转入销毁地址。仅 OKB 的该部分才会兑换：一半换成 BEM 后销毁，一半再换成 TAPE 后销毁，成交价不得低于池中间价的 95%。当前 TAPE/BEM 池两侧余额均为 0，该路径会失败，OKB 留存于合约，直至池内有存货。

两倍铸造价仅依据本合约挂单，不依据同一笔交易中的现货价格。若一枚 NFT 连续三日以低于两倍的价格挂出，且价格高于当日回购上限因而未能成交，则该 30% 判定失效。记录日期、销毁当日份额，或买入一笔低于两倍的挂单，调用者取得该笔支出的 5%，从当日九十分之一中支付。当日预算用尽后不再支付。上述函数均须由外部调用。本站不保管私钥，链上不会自行执行。已部署工厂的回购开关当前为开启。项目合约不读取该开关，因此无论开关状态，回购函数均可被调用。

0.2% 二级市场手续费仅在本合约成交中收取。平台所得的一半支付至 0x7a2cC9b4dd8302FDD104159CeE97Be8a90BF772c。另一半留存于项目合约，不设提取函数，成交中亦不兑换。OKX 与官网市场不经过本合约。已经上链的永续、现货与预言机仍支付至 0x823b9F6A93Ac44Ce5A469823A336c15b6117054D。该等合约不能变更收款地址。

协议上已有的资产

官网晶体管管的最新价与最高买价来自 tapeout.net。挂出买单及按买价卖出，均发送至官网同一份 BSC 合约 0xA6a80C1919a8326022d7c601a488888C13aA16E4。

在 tapeout.net 流片所得电路本即为 ERC-721。本站展示同一枚代币，不适用 1 TAPE 对 0.001 BEM 的定价，亦不另行开设市场。已挂单的购买，直接对官网市场 0x6feEbbEbC07BcB90bd1Ac8b0CF9BaA40fF2B46f 签名，一笔完成，不预先扣取本站手续费。未挂单的不能买入。

TapeCode-Test1 为 X Layer 合集，合约 0x0e91460d6823c711643e650a9a4c0cc21de41614。排行中该合集在前，Circuit Punk 在后。一号为火星人 @bitcoin2themars。8855 号为 TapeOut 协议创始人 @Blonskr。二人在 Circuit Punk 中的编号见上一章。展开后，挂单按 OKX 公开市场每页 20 条读取。OKX 未提供单枚图像，本站仅展示合集图像，并由本站转发，不将外部链接直接嵌入页面。OKX 公开接口不提供成交签名，故 OKX 上的价格不能在本站结算。持有人可以在本站另行挂单，买方支付 OKB，经 X Layer 上的 Seaport 成交。创世电路、官方晶体管与协议电路归入 TapeOut，经请求后展开。以太坊上的 Op

enSea 系列仅有地板价，没有签名，不能在本链结算，页面亦不跳转。

账户

登录、创世买卖与兑换，均由右上角已连接钱包签名。钱包可以是浏览器钱包、OKX、币安，或页面识别到的其他钱包。未连接时右上角为登录；连接后旁侧为退出，并可切换 BSC 与 X Layer。退出仅断开本页面，不转移资产。本站不接收私钥，亦不将私钥写入页面或仓库。

资产页主要展示该地址的链上资产。昵称、头像与背景可就地修改：点选头像更换头像，点选背景更换背景，点选名称修改名称。上述资料仅存于本浏览器，并绑定当前钱包。

用户中心展示该地址在 BSC 与 X Layer 上的 BNB、BEM、USDT、OKB。此为链上余额，不是欧易交易所账户余额。昵称与头像仅存于本浏览器。

顶栏的中文与英文，与小白皮书使用同一项设置。该设置存于本浏览器，不上链。兑换页展示该钱包在 BSC 与 X Layer 上的 USDT、OKB、BEM、TAPE 可用余额。单项读取失败时，其余余额仍予展示，不整行留空。

风险

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TAP-721 仍为草案。页面上的网表哈希为预览，不是已经流片的电路。回购与最后 30% 仅在项目于本工厂创建并结束公开销售之后启动，且须由外部地址调用。仅在 OKB 发行且该 30% 判定失效时，合约才会购买 BEM 与 TAPE。TAPE/BEM 池无存货时，该步骤失败，OKB 留存于项目合约。

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English

Abstract

TAPELIQUID is the trading front end for TapeOut. Four functions are live: Circuit Punk lists and settles on this site's secondary market; genesis circuits trade on the official market; BEM, OKB and TAPE swap through official pools; the top-right wallet connects, disconnects, and switches between BSC and X Layer. This site does not custody assets. Tokens remain in the wallet until the user signs.

The issuance rules on this site bind only projects created here. Transistors and taped-out circuits already minted on tapeout.net remain the protocol originals. This site recognizes those contracts, does not mint a second copy, and does not change the official mint price denominated in BNB or OKB.

Creation calls the deployed factory 0x2872E6D6AB14C5Cdb08587b437Bd16248270A04d, deployment 0x73ebdd1527e39065ba4da9f8869b5c06d8a3d5e62cbefe64ccddda24e94f5dd0. The fee address, the 0.026 OKB vault seed, and the buyback switch are fixed in that contract. The contract has no administrator, is not upgradeable, and cannot transfer the vault out. The front end does not deploy a second factory.

Circuit Punk

Circuit Punk, symbol CPUNK, is the founding collection of this market. It is the first circuit-punk set, and the only one. The text it follows is TapeOut's Netlist-Bound NFT draft, proposed as TAP-721. The draft was submitted to TapeOutProtocol/TAPs on 18 October 2026. Editors have not yet assigned a number. Until they do, the text of record is issue 66 and pull request 67, with the public copy at github.com/BruceLanLan/TAP-721.

TAP-721 extends ERC-721. Beside its image, each token carries a self-contained tapnet/1 netlist: NAND and LATCH records as defined by TAP-02, a 16-byte header, and no REF. The SHA-256 of that file is the netlist hash. Conformance has two levels. L0 requires only that metadata present the image, the netlist, and the hash. The contract need not implement ITapNetlist NFT. L1 places the netlist interface in the contract. Circuit Punk is at L0. A holder may check the netlist and the hash, and may not describe the token as taped out, or as a genesis circuit of the protocol. Genesis circuits remain ERC-721 tokens under TAP-10 and continue to trade on the official market.

In this collection, OG names a roll, not a flourish. The Bitcoin side records Hal Finney, Adam Back, and Jameson Lopp: the first client, the predecessor of proof of work, and the public practice of nodes and self-custody. The BEM side records the early holders, including TapeCode number 1, the Martian @bitcoin2themars, and the founder of the protocol, @Blonskr. On 19 October 2026 the avatars they had made public were reduced to 24 by 24 circuit portraits and written into the rule that generates these ten thousand, so a later reader can see where the road began. A portrait is a memorial. This document is not investment advice. The collection does not use trademarks. Anyone included may ask that the corresponding base be retired. The layout is still determined by the number: nine extreme-ultraviolet dies, twenty-four bond colossi, eighty-eight scrap dies, and t

he rest wafer portraits, mascot dies, alignment marks, defect patterns, and memorial layouts.

The contract is deployed on X Layer at 0xB5ac1dddc158a639D4499aad2d8F393989D4bD34. Total supply is 10,000. The public allocation is 3,000, numbered from 7001, priced at 1 TAPE plus 0.001 BEM, with a maximum of ten mints per address. That public allocation is fully minted. Seven thousand were reserved and do not enter the public price. The image base <http://tapeliquid.net/api/circuit-punk/> is immutable. The front end names the collection Circuit Punk. The on-chain name is fixed. A later creation under another name is not this set of images. The factory does not reject a second creation by name.

This site's secondary market trades Circuit Punk only. The mint page executes minting and does not settle sales. A listing may be quoted in BEM or in TAPE. The buyer pays both legs at 1 BEM to 1,000 TAPE. The protocol fee is 0.2% of the fill, deducted at settlement. Once listed, the NFT is escrowed by the contract. The seller cancels from My listings and does not page through the full catalog. Opening one token shows type, substrate, metal, alignment, bond, package, extant supply, and rarity. The blank margin closes the sheet. Holdings, token identifiers, and images appear only on the Assets page.

The reserve is an allocation register, not an acknowledgment. TapeCode-Test1 number 1, the Martian @bitcoin2themars, at 0xddb587D88C0AFa42317E033bDD11edC2462B873f, is allocated 100, numbers 51–150. TapeCode #8855, TapeOut protocol founder @Blonskr, at 0x571d447f4f24688eC35Ccf07f1D6993655F6aF15, is allocated 50, numbers 1–50. Each TapeCode holder address is allocated one, numbers 1000–6019, 5,020 in total. Each holder of this site's circuits is allocated one, numbers 151–369, 219 in total. TapeCode held by the burn address is excluded from the register.

Of the previously unclaimed 1,611, numbers 370–999 and 6020–7000, 130 have been airdropped and credited to thirteen addresses, ten each, and do not enter the public price. 93.bitmap, 0x8EC346D8a7156776aDFacB5ddDB2ff9B308cB50, numbers 370–379. Ox Yangyang | tapeout, 0xA11E739adF417ffe34e1EBa75dF2031499192B66, numbers 380–389. LOYAL, 0x2b067593B4f9B0D26564C83F20E91b5D0e286Dc6, numbers 390–399. The TapeOut Foundation, TapeOutCF, 0x04B649076a11819EF7AdA36e02DD55e0923550Ee, numbers 400–409. Xing Shuai, 0x876c3500883C072d6EA447E6e7C8F097AA7c7bC0, numbers 410–419. Ruhua, 0x75c186Ede5D0691d66BC932FD04F8E149d1F5fA5, numbers 420–429. Sussiiie, 0xB8bD12503918476a2785CF1617A0FAf13aad771C, numbers 430–439. Zhou Hongyi, 0x94e8c5822ff10be48713adae49af7acdb390eeb4, numbers 440–449. Yasimin, 0x072925B5375063A3c6ADc37D4611FF6ce5558f10, numbers 450–459. Chengzi, 0xdC352A37a53F5D45A9A6Fb44D8076a475884BA91, numbers 460–469. OnlyEason | TapeOut, 0x1aeb3c9eC1EfA74aD7a543DBd02769C18Cd50119, numbers 470–479. ywwab3, 0x42445b49e961De2C071EA20f73db769987303D64, numbers 480–489. Ch!cken (TapeOut thin chicken), 0x98Ce75463917E5fd1470675c6F133a38F7167712, numbers 490–499. Those 130 are credited. The remaining 1,481, numbers 500–999 and 6020–7000, stay with the foundation for a later arrangement and do not enter the public price.

Xing Shuai. Address 0x876c3500883C072d6EA447E6e7C8F097AA7c7bC0. Ten tokens credited, numbers 410–419.

Ruhua. Address 0x75c186Ede5D0691d66BC932FD04F8E149d1F5fA5. Ten tokens credited, numbers 420–429.

Sussiiie. Address 0xB8bD12503918476a2785CF1617A0FAf13aad771C. Ten tokens credited, numbers 430–439.

Zhou Hongyi. Address 0x94e8c5822ff10be48713adae49af7acdb390eeb4. Ten tokens credited, numbers 440–449.

Yasimin. Address 0x072925B5375063A3c6ADc37D4611FF6ce5558f10. Ten tokens credited, numbers 450–459.

Chengzi. Address 0xdC352A37a53F5D45A9A6Fb44D8076a475884BA91. Ten tokens credited, numbers 460–469.

OnlyEason | TapeOut. Address 0x1aeb3c9eC1EfA74aD7a543DBd02769C18Cd50119. Ten tokens credited, numbers 470–479.

ywwab3. Address 0x42445b49e961De2C071EA20f73db769987303D64. Ten tokens credited, numbers 480–489.

Ch!cken(TapeOut薄版). Address 0x98Ce75463917E5fd1470675c6F133a38F7167712. Ten tokens credited, numbers 490–499.

Address

ywwab3. Address 0x42445b49e961De2C071EA20f73db769987303D64. Ten tokens, numbers 480–489, credited.

Ch!cken(TapeOut薄版). Address 0x98Ce75463917E5fd1470675c6F133a38F7167712. Ten tokens, numbers 490–499, credited.

What comes after

The public allocation of 3,000, numbered from 7001 and priced at 1 TAPE plus 0.001 BEM, is fully minted. The secondary market trades this collection only: filter by trait, sort by rarity or price, quote in BEM or TAPE, and settle both legs together.

The foundation's remaining 1,481 are not used to fill the public sale. Another 130 are airdropped and credited to 93.bitmap,

Ox Yangyang | tapeout, LOYAL, the TapeOut Foundation, Xing Shuai, Ruhua, Sussiie, Zhou Hongyi, Yasimin, Chengzi, OnlyEason | TapeOut, ywweb3, and Ch!cken(TapeOut薄版), ten each, numbers 370–499. ywweb3 is 0x42445b49e961De2C071EA20f73db769987303D64, numbers 480–489. Ch!cken(TapeOut薄版) is 0x98Ce75463917E5fd1470675c6F133a38F7167712, numbers 490–499. The numbers are fixed. There will not be a second Circuit Punk.

TAPE against OKB trades on Uniswap v4. The fee is 15%. The official pool does not enable a swap until the quote side reaches 5,000 USDT. Until then that side quotes only. Buyback and the final 30% do not execute automatically. They require a project on this factory to close its public sale, and an external call. The on-chain ledger prevails over the wording on the page.

Genesis circuits

The genesis processor is 0x50A994E71615474b55559fF4F500928fbc339DD9 on BSC. Supply is nextId. When this page was written it was 12,454. Trades use the official TapeOut circuit market 0x6feEbbEbC07BcB90bd1Ac8b0CF9BaA440ff2B46f.

Only a live listing can be bought. The connected wallet pays the listed BNB price. The market fee is the contract feeBps, currently 1%, taken from the price. An unlisted circuit cannot be bought at an invented price.

A holder lists on that same market. The first list needs an approval. Cancelling the signature means no trade. The page does not change the owner before the receipt.

Swap

BEM opens BEM / USDT on BSC. The quote comes from the on-chain quoter, with 1% slippage. The transaction is sent only when you tap Swap. The wallet switches to BSC.

OKB opens BEM / OKB on X Layer. The quote is the pool mid price, and a fill must clear at least 95%. The pool is 0x2CcF8aa17F5DF9Fb5D51C9de12135a913fF29f7A. The router is 0x4f0c28f5926afda16bf2506d5d9e57ea190f9bca.

BEM can use the official TapeOut bridge, one for one, between BSC and X Layer. The BSC bridge is 0xa84B8D3893De6e9922f2B29bE1e1b115845F5E72. OKB and TAPE have no such bridge. The page will not pretend they do.

TAPE can be bought and sold for OKB on the Uniswap v4 OKB/TAPE pool. The fee is 15%. The official TAPE / USDT pool, contract 0x96dA5acDf8Fb8d3A6Ab742871CEA6167694a8641, still does not accept swaps until the quote side reaches 5,000 USDT. Before that, the USDT and BEM sides only quote and do not send a transaction. The official reserve is far below that.

BEM and OKB swaps pay the pool fee and gas. The 0.2% secondary fee in the launch rules is collected only after this site's own secondary market is on chain. BEM, OKB and TAPE swaps do not add that fee today.

Launches on this site

The public price is locked at 1 TAPE to 0.001 BEM. The multiplier is an integer and scales both sides. One side cannot be edited alone. A project can instead launch in OKB only, or in BEM only. The token you launch with is the token used for the public mint and for secondary trades. OKB steps by 1. BEM steps by 0.001.

A reserve is carved from supply, skips the public mint, and cannot exceed supply. One wallet can mint at most 10 times. The creator sets the supply. Creation assigns chip traits and rarity across the supply. Combinations do not repeat inside one project. Art can be uploaded, generated with your own key, or generated by the platform, in punk or realistic style.

Each collectible follows the TAP-721 draft: an image, a tapnet/1 netlist, and a SHA-256. Circuit Punk is at L0. The hash can be checked. The standard is still in community review. This site does not call it L1, and it does not claim a tape-out. The draft is at github.com/BruceLanLan/TAP-721.

Vault and allocation

Before a launch the creator deposits OKB then worth 3 dollars. That is the vault seed. The deployed factory's seed is 0.026 OKB. Creation also burns 1 TAPE. A TAPE pair or a BEM-only launch locks another 0.01 BEM. An OKB-only launch locks another 0.01 OKB. The seed and that 0.01 do not enter the three parts below.

A public mint takes in only the token chosen for that launch. Each receipt is split by integer division into three parts. The remainder stays in the third. 30% is credited to the creator. 30% is credited to the release ledger and is not paid out by the day. 40% is credited to the buyback ledger and has no withdraw. Anyone may close a sold-out sale. If it is not sold out, only the creator may close it, and only 90 days after creation. After close, the creator may claim that 30% with no price test.

At multiplier 1 and 3,000 public mints, the split lands on integers. A TAPE pair takes in 3,000 TAPE and 3 BEM, divided 900 / 900 / 1,200 TAPE and 0.9 / 0.9 / 1.2 BEM. OKB only takes in 3,000 OKB, divided 900 / 900 / 1,200 OKB. BEM only takes in 3 BEM, divided 0.9 / 0.9 / 1.2 BEM.

Buyback spends that 40%. At close it is written down as the base. A day may spend at most one ninetieth of the base. The u

nused part of a day does not carry forward. A listing must be under twice the mint price and at least one day old. The creator's own address cannot sell into it. After the purchase, the NFT is sent to the burn address and the proceeds are paid to the seller. A TAPE pair pays BEM and 1,000 times that amount in TAPE. BEM only pays BEM. OKB only pays OKB. This 40% is not spent on the open market for TAPE or BEM. At 3,000 mints and multiplier 1, one day is about 0.0133 BEM plus 13.33 TAPE, or 13.33 OKB, enough for one listing just under twice mint. If only one public mint lands, the day's cap is below the minimum listing, and buyback cannot fill it.

The 30% on the release ledger requires 90 days after close, and three consecutive days on which at least one listing is at or above twice mint and already a day old, and no listing is under twice. The creator then takes it in one claim. Three failing days after those 90 forfeit it forever. Anyone may then burn one day's slice, and ninety such days can finish it. TAPE and BEM are sent straight to the burn address. Only the forfeited OKB is swapped: half into BEM and burned, half onward into TAPE and burned, at no less than 95% of the pool mid. The TAPE/BEM pool's two sides are zero today, so that hop fails and the OKB stays in the contract until the pool has inventory.

Twice mint is read from this contract's listings, not from a spot print in the same transaction. One NFT listed under twice for three days, at a price above that day's cap and therefore unbought, forfeits the 30%. A caller who records the day, burns that day's slice, or buys one listing under twice receives 5% of that spend, taken from the day's ninetieth. Once the day's budget is spent, the call is not paid. None of these functions run by themselves. This site holds no key. The deployed factory's buyback flag is currently on. The project contract does not read that flag, so the buyback functions can be called either way.

The 0.2% secondary fee is charged only on sales inside this contract. The platform half is paid to 0x7a2cC9b4dd8302FDD104159Ce97Be8a90BF772c. The other half stays in the project contract. It has no withdraw, and a sale does not swap it. OKX and the official market do not pass through this contract. Spot, perpetuals, and the mark already on chain still pay 0x823b9f6A93Ac44Ce5A469823A336c15b6117054D. Those contracts cannot change the payee.

Assets already on the protocol

Official transistor prices come from tapeout.net. Bids and sales go to the same BSC contract, 0xA6a80C1919a8326022d7c601a488888C13aA16E4.

A circuit taped out on tapeout.net is already an ERC-721. This site shows that same token. It does not apply the 1 TAPE to 0.001 BEM price, and it does not run a second market. A listing is bought with one signature on the official market 0x6feEbbEbc07BcB90bd1Ac8b0CF9BaA4f0f2B46f. Nothing is charged first. An unlisted circuit cannot be bought.

TapeCode-Test1 is an X Layer collection, contract 0x0e91460d6823c711643e650a9a4c0cc21de41614. On the rank it comes first, and Circuit Punk second. Number 1 is the Martian, @bitcoin2themars. Number 8855 is @Blonskr, founder of the TapeOut protocol. Their Circuit Punk numbers are in the chapter above. Open it and the listings are read from OKX's public market, twenty at a time. OKX publishes no image per token, so this site shows the collection image, fetched through this site rather than embedded as a foreign link. OKX's public feed has no fill signature, so an OKX price cannot be taken here. A holder can list a new order on this site. The buyer pays OKB through Seaport on X Layer. Genesis circuits, official transistors, and protocol circuits stay inside TapeOut and open only when asked. OpenSea collections on Ethereum are floor prices only. There is no signature, they cannot settle on this chain, and the page does not leave.

Account

Login, genesis trades, and swaps sign with whichever wallet is connected from the top right: a browser wallet, OKX, Binance, or any other wallet the page detects. Logged out, the corner says Log in. Once connected, Log out sits beside the address, and BSC or X Layer can be switched. Logout only disconnects this page. It does not move assets. This site never asks for a private key, and a key is not written into the page or the repository.

The assets page is mainly this address's balances. Click the avatar to change it, the banner to change the background, and the name to rename. Those stay in this browser, tied to the connected wallet.

The account page shows this address's BNB, BEM, and USDT on BSC, and OKB and BEM on X Layer. Those are on-chain balances, not an OKX exchange account. The name and avatar stay in this browser.

The top bar and this paper share one language setting. It stays in this browser and is not written on chain. The swap page shows this wallet's available USDT, OKB, BEM and TAPE on BSC and X Layer. If one read fails, the others still show.

Risk

The genesis market and the swap pools are not custodied here. If a node fails, the page may hide a listing or a quote that is still on chain.

TAP-721 is still a draft. A netlist hash on this page is a preview, not a taped-out circuit. Buyback and the last 30% move only

after a project on this factory has closed, and only when someone calls. Only a forfeited OKB balance is swapped into BEM and TAPE. While the TAPE/BEM pool is empty, that step fails and the OKB stays in the project.

Use only capital you can afford to lose. This document is not an offering, not a custody arrangement, and not a warranty of execution, schedule, or price. It is not investment advice.