Transaction Format

010000001813f79011acb80925dfe69b3def355fe914bd1d96a3f5f71 bf8303c6a989c7d1000000006b483045022100ed81ff192e75a3fd230 4004dcadb746fa5e24c5031ccfcf21320b0277457c98f02207a986d95 5c6e0cb35d446a89d3f56100f4d7f67801c31967743a9c8e10615bed0 1210349fc4e631e3624a545de3f89f5d8684c7b8138bd94bdd531d2e 213bf016b278afeffffff02a135ef01000000001976a914bc3b654dca7e 56b04dca18f2566cdaf02e8d9ada88ac99c39800000000001976a914 1c4bc762dd5423e332166702cb75f40df79fea1288ac19430600

- 01000000 version, 4 bytes, LE
- 01 number of inputs, varint
- 813f...d1 prev hash, 32 bytes, LE
- 00000000 prev index, 4 bytes, LE
- 6b48...8a scriptSig, variable
- feffffff sequence, 4 bytes, LE
- 02 number of outputs, varint
- a135ef0100000000 value of output, 8 bytes, LE
- 1976a914...88ac scriptPubKey, variable
- 19430600 locktime, 4 bytes, LE

Block Format

020000208ec39428b17323fa0ddec8e887b4a7c53b8c0a0a220cfd00 000000000000005b0750fce0a889502d40508d39576821155e9c9 e3f5c3157f961db38fd8b25be1e77a759e93c0118a4ffd71d

- 02000020 version, 4 bytes, LE
- 8ec3...00 previous block, 32 bytes, LE
- 5b07...be merkle root, 32 bytes, LE
- 1e77a759 timestamp, 4 bytes, LE
- e93c0118 bits, 4 bytes
- a4ffd71d nonce, 4 bytes

Compressed SEC

03<mark>49fc4e631e3624a545de3f89f5d8684c7b8138bd94bdd531d2e213</mark> bf016b278a

- 02 if y is even, 03 if odd Marker
- 49fc...8a x coordinate 32 bytes

Uncompressed SEC

047211a824f55b505228e4c3d5194c1fcfaa15a456abdf37f9b9d97a4 040afc073dee6c89064984f03385237d92167c13e236446b417ab79a 0fcae412ae3316b77

- 04 Marker
- 7211...73 x coordinate 32 bytes
- dee6...77 y coordinate 32 bytes

DER Signature Format

3045022100ed81ff192e75a3fd2304004dcadb746fa5e24c5031ccfcf2 1320b0277457c98f02207a986d955c6e0cb35d446a89d3f56100f4d7f 67801c31967743a9c8e10615bed

- 30 DER Type (always 0x30)
- 45 Length of rest of signature
- 02 Marker for r value
- 21 Length of r value
- 00ed...8f r value
- 02 Marker for s value
- 21 Length of s value
- 7a98...ed s value

Network Messaging Format

- f9beb4d9 network magic (always 0xf9beb4d9 for mainnet)
- 76657273696f6e0000000000 command, 12 bytes, human readable ("version")
- 65000000 payload length, 4 bytes, little-endian
- 5f1a69d2 payload checksum, first 4 bytes of double-sha256 of the payload.
- 7211...01 payload



P2PKH scriptPubKey

76a914bc3b654dca7e56b04dca18f2566cdaf02e8d9ada88

- 76 OP_DUP
- a9 OP HASH160
- 14 Length of <hash>
- bc3b...da <hash>
- 88 OP EQUALVERIFY
- ac OP_CHECKSIG

P2PKH scriptSig

483045022100ed81ff192e75a3fd2304004dcadb746fa5e24 c5031ccfcf21320b0277457c98f02207a986d955c6e0cb35d 446a89d3f56100f4d7f67801c31967743a9c8e10615bed01 210349fc4e631e3624a545de3f89f5d8684c7b8138bd94bd d531d2e213bf016b278a

- 48 Length of <signature>
- 30...01 <signature>
- 21 Length of <pubkey>
- 0349...8a <pubkey>

P2SH scriptPubKey

a91474d691da1574e6b3c192ecfb52cc8984ee7b6c5687

- a9 OP HASH160
- 14 Length of <hash>
- 74d6...56 <hash>
- 87 OP EQUAL

P2SH scriptSig

00483045022100dc92655fe37036f47756db8102e0d7d5e28b3beb83a8fef4f5dc0559bddfb94e02205a36d4e4e6c7fcd16658c50783e00c341609977aed3ad00937bf4ee942a8993701483045022100da6bee3c93766232079a01639d07fa869598749729ae323eab8eef53577d611b02207bef15429dcadce2121ea07f233115c6f09034c0be68db99980b9a6c5e75402201475221022626e955ea6ea6d98850c994f9107b036b1334f18ca8830bfff1295d21cfdb702103b287eaf122eea69030a0e9feed096bed8045c8b98bec453e1ffac7fbdbd4bb71

52ae

- 00 OP_0
- 48 Length of <signaturex>
- 3045...01 <signaturex>
- 47 Length of redeemScript
- 5221...ae <redeemScript>

P2SH RedeemScript

5221022626e955ea6ea6d98850c994f9107b036b1334f18c a8830bfff1295d21cfdb702103b287eaf122eea69030a0e9fe ed096bed8045c8b98bec453e1ffac7fbdbd4bb7152ae

- 52 OP 2
- 21 Length of <pubkeyx>
- 0....01 <pubkeyx>
- 52 OP_2
- ae OP_CHECKMULTISIG

