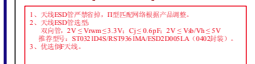


<p>杰理方案咨询(QQ号:1418295957, 邮箱:fae@zh-jiehl.com)</p>	
<p>产品安全规范</p> <ol style="list-style-type: none"> 1、电源规范 <ul style="list-style-type: none"> a. 工作电压范围: 广电压应用范围, 严禁超出应用范围。 供电电压: 1.8V, 1.9V, 2.0V, 2.1V, 2.2V, 2.4V, 2.5V, 2.8V, 3.0V, 3.3V, 3.6V, 4.0V, 4.2V, 4.5V, 5.0V, 5.5V, 6.0V, 6.5V, 7.0V, 7.5V, 8.0V, 8.5V, 9.0V, 9.5V, 10.0V, 10.5V, 11.0V, 11.5V, 12.0V, 12.5V, 13.0V, 13.5V, 14.0V, 14.5V, 15.0V, 15.5V, 16.0V, 16.5V, 17.0V, 17.5V, 18.0V, 18.5V, 19.0V, 19.5V, 20.0V, 20.5V, 21.0V, 21.5V, 22.0V, 22.5V, 23.0V, 23.5V, 24.0V, 24.5V, 25.0V, 25.5V, 26.0V, 26.5V, 27.0V, 27.5V, 28.0V, 28.5V, 29.0V, 29.5V, 30.0V, 30.5V, 31.0V, 31.5V, 32.0V, 32.5V, 33.0V, 33.5V, 34.0V, 34.5V, 35.0V, 35.5V, 36.0V, 36.5V, 37.0V, 37.5V, 38.0V, 38.5V, 39.0V, 39.5V, 40.0V, 40.5V, 41.0V, 41.5V, 42.0V, 42.5V, 43.0V, 43.5V, 44.0V, 44.5V, 45.0V, 45.5V, 46.0V, 46.5V, 47.0V, 47.5V, 48.0V, 48.5V, 49.0V, 49.5V, 50.0V, 50.5V, 51.0V, 51.5V, 52.0V, 52.5V, 53.0V, 53.5V, 54.0V, 54.5V, 55.0V, 55.5V, 56.0V, 56.5V, 57.0V, 57.5V, 58.0V, 58.5V, 59.0V, 59.5V, 60.0V, 60.5V, 61.0V, 61.5V, 62.0V, 62.5V, 63.0V, 63.5V, 64.0V, 64.5V, 65.0V, 65.5V, 66.0V, 66.5V, 67.0V, 67.5V, 68.0V, 68.5V, 69.0V, 69.5V, 70.0V, 70.5V, 71.0V, 71.5V, 72.0V, 72.5V, 73.0V, 73.5V, 74.0V, 74.5V, 75.0V, 75.5V, 76.0V, 76.5V, 77.0V, 77.5V, 78.0V, 78.5V, 79.0V, 79.5V, 80.0V, 80.5V, 81.0V, 81.5V, 82.0V, 82.5V, 83.0V, 83.5V, 84.0V, 84.5V, 85.0V, 85.5V, 86.0V, 86.5V, 87.0V, 87.5V, 88.0V, 88.5V, 89.0V, 89.5V, 90.0V, 90.5V, 91.0V, 91.5V, 92.0V, 92.5V, 93.0V, 93.5V, 94.0V, 94.5V, 95.0V, 95.5V, 96.0V, 96.5V, 97.0V, 97.5V, 98.0V, 98.5V, 99.0V, 99.5V, 100.0V, 100.5V, 101.0V, 101.5V, 102.0V, 102.5V, 103.0V, 103.5V, 104.0V, 104.5V, 105.0V, 105.5V, 106.0V, 106.5V, 107.0V, 107.5V, 108.0V, 108.5V, 109.0V, 109.5V, 110.0V, 110.5V, 111.0V, 111.5V, 112.0V, 112.5V, 113.0V, 113.5V, 114.0V, 114.5V, 115.0V, 115.5V, 116.0V, 116.5V, 117.0V, 117.5V, 118.0V, 118.5V, 119.0V, 119.5V, 120.0V, 120.5V, 121.0V, 121.5V, 122.0V, 122.5V, 123.0V, 123.5V, 124.0V, 124.5V, 125.0V, 125.5V, 126.0V, 126.5V, 127.0V, 127.5V, 128.0V, 128.5V, 129.0V, 129.5V, 130.0V, 130.5V, 131.0V, 131.5V, 132.0V, 132.5V, 133.0V, 133.5V, 134.0V, 134.5V, 135.0V, 135.5V, 136.0V, 136.5V, 137.0V, 137.5V, 138.0V, 138.5V, 139.0V, 139.5V, 140.0V, 140.5V, 141.0V, 141.5V, 142.0V, 142.5V, 143.0V, 143.5V, 144.0V, 144.5V, 145.0V, 145.5V, 146.0V, 146.5V, 147.0V, 147.5V, 148.0V, 148.5V, 149.0V, 149.5V, 150.0V, 150.5V, 151.0V, 151.5V, 152.0V, 152.5V, 153.0V, 153.5V, 154.0V, 154.5V, 155.0V, 155.5V, 156.0V, 156.5V, 157.0V, 157.5V, 158.0V, 158.5V, 159.0V, 159.5V, 160.0V, 160.5V, 161.0V, 161.5V, 162.0V, 162.5V, 163.0V, 163.5V, 164.0V, 164.5V, 165.0V, 165.5V, 166.0V, 166.5V, 167.0V, 167.5V, 168.0V, 168.5V, 169.0V, 169.5V, 170.0V, 170.5V, 171.0V, 171.5V, 172.0V, 172.5V, 173.0V, 173.5V, 174.0V, 174.5V, 175.0V, 175.5V, 176.0V, 176.5V, 177.0V, 177.5V, 178.0V, 178.5V, 179.0V, 179.5V, 180.0V, 180.5V, 181.0V, 181.5V, 182.0V, 182.5V, 183.0V, 183.5V, 184.0V, 184.5V, 185.0V, 185.5V, 186.0V, 186.5V, 187.0V, 187.5V, 188.0V, 188.5V, 189.0V, 189.5V, 190.0V, 190.5V, 191.0V, 191.5V, 192.0V, 192.5V, 193.0V, 193.5V, 194.0V, 194.5V, 195.0V, 195.5V, 196.0V, 196.5V, 197.0V, 197.5V, 198.0V, 198.5V, 199.0V, 199.5V, 200.0V, 200.5V, 201.0V, 201.5V, 202.0V, 202.5V, 203.0V, 203.5V, 204.0V, 204.5V, 205.0V, 205.5V, 206.0V, 206.5V, 207.0V, 207.5V, 208.0V, 208.5V, 209.0V, 209.5V, 210.0V, 210.5V, 211.0V, 211.5V, 212.0V, 212.5V, 213.0V, 213.5V, 214.0V, 214.5V, 215.0V, 215.5V, 216.0V, 216.5V, 217.0V, 217.5V, 218.0V, 218.5V, 219.0V, 219.5V, 220.0V, 220.5V, 221.0V, 221.5V, 222.0V, 222.5V, 223.0V, 223.5V, 224.0V, 224.5V, 225.0V, 225.5V, 226.0V, 226.5V, 227.0V, 227.5V, 228.0V, 228.5V, 229.0V, 229.5V, 230.0V, 230.5V, 231.0V, 231.5V, 232.0V, 232.5V, 233.0V, 233.5V, 234.0V, 234.5V, 235.0V, 235.5V, 236.0V, 236.5V, 237.0V, 237.5V, 238.0V, 238.5V, 239.0V, 239.5V, 240.0V, 240.5V, 241.0V, 241.5V, 242.0V, 242.5V, 243.0V, 243.5V, 244.0V, 244.5V, 245.0V, 245.5V, 246.0V, 246.5V, 247.0V, 247.5V, 248.0V, 248.5V, 249.0V, 249.5V, 250.0V, 250.5V, 251.0V, 251.5V, 252.0V, 252.5V, 253.0V, 253.5V, 254.0V, 254.5V, 255.0V, 255.5V, 256.0V, 256.5V, 257.0V, 257.5V, 258.0V, 258.5V, 259.0V, 259.5V, 260.0V, 260.5V, 261.0V, 261.5V, 262.0V, 262.5V, 263.0V, 263.5V, 264.0V, 264.5V, 265.0V, 265.5V, 266.0V, 266.5V, 267.0V, 267.5V, 268.0V, 268.5V, 269.0V, 269.5V, 270.0V, 270.5V, 271.0V, 271.5V, 272.0V, 272.5V, 273.0V, 273.5V, 274.0V, 274.5V, 275.0V, 275.5V, 276.0V, 276.5V, 277.0V, 277.5V, 278.0V, 278.5V, 279.0V, 279.5V, 280.0V, 280.5V, 281.0V, 281.5V, 282.0V, 282.5V, 283.0V, 283.5V, 284.0V, 284.5V, 285.0V, 285.5V, 286.0V, 286.5V, 287.0V, 287.5V, 288.0V, 288.5V, 289.0V, 289.5V, 290.0V, 290.5V, 291.0V, 291.5V, 292.0V, 292.5V, 293.0V, 293.5V, 294.0V, 294.5V, 295.0V, 295.5V, 296.0V, 296.5V, 297.0V, 297.5V, 298.0V, 298.5V, 299.0V, 299.5V, 300.0V, 300.5V, 301.0V, 301.5V, 302.0V, 302.5V, 303.0V, 303.5V, 304.0V, 304.5V, 305.0V, 305.5V, 306.0V, 306.5V, 307.0V, 307.5V, 308.0V, 308.5V, 309.0V, 309.5V, 310.0V, 310.5V, 311.0V, 311.5V, 312.0V, 312.5V, 313.0V, 313.5V, 314.0V, 314.5V, 315.0V, 315.5V, 316.0V, 316.5V, 317.0V, 317.5V, 318.0V, 318.5V, 319.0V, 319.5V, 320.0V, 320.5V, 321.0V, 321.5V, 322.0V, 322.5V, 323.0V, 323.5V, 324.0V, 324.5V, 325.0V, 325.5V, 326.0V, 326.5V, 327.0V, 327.5V, 328.0V, 328.5V, 329.0V, 329.5V, 330.0V, 330.5V, 331.0V, 331.5V, 332.0V, 332.5V, 333.0V, 333.5V, 334.0V, 334.5V, 335.0V, 335.5V, 336.0V, 336.5V, 337.0V, 337.5V, 338.0V, 338.5V, 339.0V, 339.5V, 340.0V, 340.5V, 341.0V, 341.5V, 342.0V, 342.5V, 343.0V, 343.5V, 344.0V, 344.5V, 345.0V, 345.5V, 346.0V, 346.5V, 347.0V, 347.5V, 348.0V, 348.5V, 349.0V, 349.5V, 350.0V, 350.5V, 351.0V, 351.5V, 352.0V, 352.5V, 353.0V, 353.5V, 354.0V, 354.5V, 355.0V, 355.5V, 356.0V, 356.5V, 357.0V, 357.5V, 358.0V, 358.5V, 359.0V, 359.5V, 360.0V, 360.5V, 361.0V, 361.5V, 362.0V, 362.5V, 363.0V, 363.5V, 364.0V, 364.5V, 365.0V, 365.5V, 366.0V, 366.5V, 367.0V, 367.5V, 368.0V, 368.5V, 369.0V, 369.5V, 370.0V, 370.5V, 371.0V, 371.5V, 372.0V, 372.5V, 373.0V, 373.5V, 374.0V, 374.5V, 375.0V, 375.5V, 376.0V, 376.5V, 377.0V, 377.5V, 378.0V, 378.5V, 379.0V, 379.5V, 380.0V, 380.5V, 381.0V, 381.5V, 382.0V, 382.5V, 383.0V, 383.5V, 384.0V, 384.5V, 385.0V, 385.5V, 386.0V, 386.5V, 387.0V, 387.5V, 388.0V, 388.5V, 389.0V, 389.5V, 390.0V, 390.5V, 391.0V, 391.5V, 392.0V, 392.5V, 393.0V, 393.5V, 394.0V, 394.5V, 395.0V, 395.5V, 396.0V, 396.5V, 397.0V, 397.5V, 398.0V, 398.5V, 399.0V, 399.5V, 400.0V, 400.5V, 401.0V, 401.5V, 402.0V, 402.5V, 403.0V, 403.5V, 404.0V, 404.5V, 405.0V, 405.5V, 406.0V, 406.5V, 407.0V, 407.5V, 408.0V, 408.5V, 409.0V, 409.5V, 410.0V, 410.5V, 411.0V, 411.5V, 412.0V, 412.5V, 413.0V, 413.5V, 414.0V, 414.5V, 415.0V, 415.5V, 416.0V, 416.5V, 417.0V, 417.5V, 418.0V, 418.5V, 419.0V, 419.5V, 420.0V, 420.5V, 421.0V, 421.5V, 422.0V, 422.5V, 423.0V, 423.5V, 424.0V, 424.5V, 425.0V, 425.5V, 426.0V, 426.5V, 427.0V, 427.5V, 428.0V, 428.5V, 429.0V, 429.5V, 430.0V, 430.5V, 431.0V, 431.5V, 432.0V, 432.5V, 433.0V, 433.5V, 434.0V, 434.5V, 435.0V, 435.5V, 436.0V, 436.5V, 437.0V, 437.5V, 438.0V, 438.5V, 439.0V, 439.5V, 440.0V, 440.5V, 441.0V, 441.5V, 442.0V, 442.5V, 443.0V, 443.5V, 444.0V, 444.5V, 445.0V, 445.5V, 446.0V, 446.5V, 447.0V, 447.5V, 448.0V, 448.5V, 449.0V, 449.5V, 450.0V, 450.5V, 451.0V, 451.5V, 452.0V, 452.5V, 453.0V, 453.5V, 454.0V, 454.5V, 455.0V, 455.5V, 456.0V, 456.5V, 457.0V, 457.5V, 458.0V, 458.5V, 459.0V, 459.5V, 460.0V, 460.5V, 461.0V, 461.5V, 462.0V, 462.5V, 463.0V, 463.5V, 464.0V, 464.5V, 465.0V, 465.5V, 466.0V, 466.5V, 467.0V, 467.5V, 468.0V, 468.5V, 469.0V, 469.5V, 470.0V, 470.5V, 471.0V, 471.5V, 472.0V, 472.5V, 473.0V, 473.5V, 474.0V, 474.5V, 475.0V, 475.5V, 476.0V, 476.5V, 477.0V, 477.5V, 478.0V, 478.5V, 479.0V, 479.5V, 480.0V, 480.5V, 481.0V, 481.5V, 482.0V, 482.5V, 483.0V, 483.5V, 484.0V, 484.5V, 485.0V, 485.5V, 486.0V, 486.5V, 487.0V, 487.5V, 488.0V, 488.5V, 489.0V, 489.5V, 490.0V, 490.5V, 491.0V, 491.5V, 492.0V, 492.5V, 493.0V, 493.5V, 494.0V, 494.5V, 495.0V, 495.5V, 496.0V, 496.5V, 497.0V, 497.5V, 498.0V, 498.5V, 499.0V, 499.5V, 500.0V, 500.5V, 501.0V, 501.5V, 502.0V, 502.5V, 503.0V, 503.5V, 504.0V, 504.5V, 505.0V, 505.5V, 506.0V, 506.5V, 507.0V, 507.5V, 508.0V, 508.5V, 509.0V, 509.5V, 510.0V, 510.5V, 511.0V, 511.5V, 512.0V, 512.5V, 513.0V, 513.5V, 514.0V, 514.5V, 515.0V, 515.5V, 516.0V, 516.5V, 517.0V, 517.5V, 518.0V, 518.5V, 519.0V, 519.5V, 520.0V, 520.5V, 521.0V, 521.5V, 522.0V, 522.5V, 523.0V, 523.5V, 524.0V, 524.5V, 525.0V, 525.5V, 526.0V, 526.5V, 527.0V, 527.5V, 528.0V, 528.5V, 529.0V, 529.5V, 530.0V, 530.5V, 531.0V, 531.5V, 532.0V, 532.5V, 533.0V, 533.5V, 534.0V, 534.5V, 535.0V, 535.5V, 536.0V, 536.5V, 537.0V, 537.5V, 538.0V, 538.5V, 539.0V, 539.5V, 540.0V, 540.5V, 541.0V, 541.5V, 542.0V, 542.5V, 543.0V, 543.5V, 544.0V, 544.5V, 545.0V, 545.5V, 546.0V, 546.5V, 547.0V, 547.5V, 548.0V, 548.5V, 549.0V, 549.5V, 550.0V, 550.5V, 551.0V, 551.5V, 552.0V, 552.5V, 553.0V, 553.5V, 554.0V, 554.5V, 555.0V, 555.5V, 556.0V, 556.5V, 557.0V, 557.5V, 558.0V, 558.5V, 559.0V, 559.5V, 560.0V, 560.5V, 561.0V, 561.5V, 562.0V, 562.5V, 563.0V, 563.5V, 564.0V, 564.5V, 565.0V, 565.5V, 566.0V, 566.5V, 567.0V, 567.5V, 568.0V, 568.5V, 569.0V, 569.5V, 570.0V, 570.5V, 571.0V, 571.5V, 572.0V, 572.5V, 573.0V, 573.5V, 574.0V, 574.5V, 575.0V, 575.5V, 576.0V, 576.5V, 577.0V, 577.5V, 578.0V, 578.5V, 579.0V, 579.5V, 580.0V, 580.5V, 581.0V, 581.5V, 582.0V, 582.5V, 583.0V, 583.5V, 584.0V, 584.5V, 585.0V, 585.5V, 586.0V, 586.5V, 587.0V, 587.5V, 588.0V, 588.5V, 589.0V, 589.5V, 590.0V, 590.5V, 591.0V, 591.5V, 592.0V, 592.5V, 593.0V, 593.5V, 594.0V, 594.5V, 595.0V, 595.5V, 596.0V, 596.5V, 597.0V, 597.5V, 598.0V, 598.5V, 599.0V, 599.5V, 600.0V, 600.5V, 601.0V, 601.5V, 602.0V, 602.5V, 603.0V, 603.5V, 604.0V, 604.5V, 605.0V, 605.5V, 606.0V, 606.5V, 607.0V, 607.5V, 608.0V, 608.5V, 609.0V, 609.5V, 610.0V, 610.5V, 611.0V, 611.5V, 612.0V, 612.5V, 613.0V, 613.5V, 614.0V, 614.5V, 615.0V, 615.5V, 616.0V, 616.5V, 617.0V, 617.5V, 618.0V, 618.5V, 619.0V, 619.5V, 620.0V, 620.5V, 621.0V, 621.5V, 622.0V, 622.5V, 623.0V, 623.5V, 624.0V, 624.5V, 625.0V, 625.5V, 626.0V, 626.5V, 627.0V, 627.5V, 628.0V, 628.5V, 629.0V, 629.5V, 630.0V, 630.5V, 631.0V, 631.5V, 632.0V, 632.5V, 633.0V, 633.5V, 634.0V, 634.5V, 635.0V, 635.5V, 636.0V, 636.5V, 637.0V, 637.5V, 638.0V, 638.5V, 639.0V, 639.5V, 640.0V, 640.5V, 641.0V, 641.5V, 642.0V, 642.5V, 643.0V, 643.5V, 644.0V, 644.5V, 645.0V, 645.5V, 646.0V, 646.5V, 647.0V, 647.5V, 648.0V, 648.5V, 649.0V, 649.5V, 650.0V, 650.5V, 651.0V, 651.5V, 652.0V, 652.5V, 653.0V, 653.5V, 654.0V, 654.5V, 655.0V, 655.5V, 656.0V, 656.5V, 657.0V, 657.5V, 658.0V, 658.5V, 659.0V, 659.5V, 660.0V, 660.5V, 661.0V, 661.5V, 662.0V, 662.5V, 663.0V, 663.5V, 664.0V, 664.5V, 665.0V, 665.5V, 666.0V, 666.5V, 667.0V, 667.5V, 668.0V, 668.5V, 669.0V, 669.5V, 670.0V, 670.5V, 671.0V, 671.5V, 672.0V, 672.5V, 673.0V, 673.5V, 674.0V, 674.5V, 675.0V, 675.5V, 676.0V, 676.5V, 677.0V, 677.5V, 678.0V, 678.5V, 679.0V, 679.5V, 680.0V, 680.5V, 681.0V, 681.5V, 682.0V, 682.5V, 683.0V, 683.5V, 684.0V, 684.5V, 685.0V, 685.5V, 686.0V, 686.5V, 687.0V, 687.5V, 688.0V, 688.5V, 689.0V, 689.5V, 690.0V, 690.5V, 691.0V, 691.5V, 692.0V, 692.5V, 693.0V, 693.5V, 694.0V, 694.5V, 695.0V, 695.5V, 696.0V, 696.5V, 697.0V, 697.5V, 698.0V, 698.5V, 699.0V, 699.5V, 700.0V, 700.5V, 701.0V, 701.5V, 702.0V, 702.5V, 703.0V, 703.5V, 704.0V, 704.5V, 705.0V, 705.5V, 706.0V, 706.5V, 707.0V, 707.5V, 708.0V, 708.5V, 709.0V, 709.5V, 710.0V, 710.5V, 711.0V, 711.5V, 712.0V, 712.5V, 713.0V, 713.5V, 714.0V, 714.5V, 715.0V, 715.5V, 716.0V, 716.5V, 717.0V, 717.5V, 718.0V, 718.5V, 719.0V, 719.5V, 720.0V, 720.5V, 721.0V, 721.5V, 722.0V, 722.5V, 723.0V, 723.5V, 724.0V, 724.5V, 725.0V, 725.5V, 726.0V, 726.5V, 727.0V, 727.5V, 728.0V, 728.5V, 729.0V, 729.5V, 730.0V, 730.5V, 731.0V, 731.5V, 732.0V, 732.5V, 733.0V, 733.5V, 734.0V, 734.5V, 735.0V, 735.5V, 736.0V, 736.5V, 737.0V, 737.5V, 738.0V, 738.5V, 739.0V, 739.5V, 740.0V, 740.5V, 741.0V, 741.5V, 742.0V, 742.5V, 743.0V, 743.5V, 744.0V, 744.5V, 745.0V, 745.5V, 746.0V, 746.5V, 747.0V, 747.5V, 748.0V, 748.5V, 749.0V, 749.5V, 750.0V, 750.5V, 751.0V, 751.5V, 752.0V, 752.5V, 753.0V, 753.5V, 754.0V, 754.5V, 755.0V, 755.5V, 756.0V, 756.5V, 757.0V, 757.5V, 758.0V, 758.5V, 759.0V, 759.5V, 760.0V, 760.5V, 761.0V, 761.5V, 762.0V, 762.5V, 763.0V, 763.5V, 764.0V, 764.5V, 765.0V, 765.5V, 766.0V, 766.5V, 767.0V, 767.5V, 768.0V, 768.5V, 769.0V, 769.5V, 770.0V, 770.5V, 771.0V, 771.5V, 772.0V, 772.5V, 773.0V, 773.5V, 77	

VPWR: 芯片供电输入端（供电 $\geq 3.6\text{V}$ 时，只能使用VPWR独立供电）；
 IOVDD: LDO输出电压，或芯片供电输入端（供电 $\geq 3.6\text{V}$ 时，使用IOVDD独立供电，可支持最低功耗）；
 ADCs: ADC采样输入检测（x为通道）；
 Update: 串口更新信号；
 VSS: 微子地或主系统地。

[illegible]

最小系统参考
(IO外, 根据需求而做)

C1取值范围:
VP0为供电, C1=100
IOVDD供电, C1=100 **不要**

Pin	Signal
1	VPWR
2	IOVDD
3	VSS
4	BTBF
5	ADC0/PA10/USBDP
6	ADC14/USBDMA
7	XOSC0
8	XOSC1

AW318B SOP8

Figure 1-10 shows a single-ended ESD protection circuit. It features a 6-pin connector with pins T1 through T6. Pin T1 is connected to VPWR. Pin T2 is connected to USBDM. Pin T3 is connected to USBDP. Pin T4 is connected to GND. Pin T5 is connected to IOVDD. Pin T6 is connected to IOVDD. The circuit includes two diodes, DSD0 and DSD1, connected to GND. The diodes are labeled with 'DSD0' and 'DSD1' and 'NC'. The circuit is labeled '单向ESD (防静电)', 'ESD保护电路', and 'ESD保护电压: $\approx 5.5V$ '.

注：电源输入需做好保护，防过压/过流/反接/浪涌/静电等。连接外设时，应避免过载输出。

3.7V锂电池/3节干电池接法

DC-DC 电子电路设计，可能遇到3.7V锂电池的电路保护

小树桩：TC9602G200N11

大树桩：TC9603G200N11

电池保护电路电路设计，DC-DC 锂电池电路保护电路

DC5V 适配器/USB5V 接口接法

小树桩：TC9602G200N11

大树桩：TC9603G200N11

适配器/USB接口电路设计，DC-DC 适配器/USB接口电路保护电路

[illegible]

POWER