



DESCRIPTION

ELECTRICAL: RJ45 With internal Magnetics Connector
 Designe to support such applications as:Ethernet Equipment Complex,Switches,Routers,Firewalls,Servers and Hub
 Internal magnetics are 100% electrically tested for functionality per IEEE802.3af/at requirement
 RoHS peak wave solder temperature rating 235°C
 High performance for maximum EMI suppression
 350uH minmum OCL with 8mA bias current; DCR: 1.4 Ohms Max
 HIPOT:1.5KVRms MIN,60S; TURN RATIO:1:1±3%
 PoE rating:15W 350mA,48V;PoE+ rating:30W,750mA,57V;PoE++ rating:60W,1000mA,57V (For PoE Products only)
 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,PART 68 SUBPART F.

Surge Protection:
 TEC 6100-4-5(L-L 1kV Criteion B)
 TEC 6100-4-5(L-L 2kV Criteion C)
 TEC 6100-4-5(L-G 4kV Criteion B)
 TEC 6100-4-5(L-G 6kV Criteion C)

MECHANICAL: JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,PART 68 SUBPART F.
 INSERTION FORCE: 8 CONTACTS--900g,10 CONTACTS--1050g
 RETENTION STRENGTH: 7.7Kgs BETWEEN JACK AND PLUG
 DURABILITY: 750 MATING CYCLES Mini

MATERIAL: HOUSING: 1) GLASS FILLED PA66 (UL 94V-0)
 2) GLASS FILLED PA46/PA6T/PA9T/LCP<265°C> (UL 94V-0)
 3) GLASS FILLED PBT/PA/ABS/PC (UL 94V-0)

SPRING WIRE: 0.25-0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE GOLD PLATING OVER NICKEL<50-80μ">
 OVER TIN<60-120μ">

GOLD PLATING: 3μ", 6μ", 15μ", 30μ", 50μ"
 Signal pin: 0.35*0.42mm(OR:0.4*0.4mm) THICKNESS COPPER ALLOY WITH BOTTOM LAYER NI 30~50U" OVER BRIGHT TIN 60~120U"
 SHIELDING: 0.2-0.24mm THICKNESS COPPER ALLOY WITH NICKEL<50-100μ"> PLATED
 Storage: -40°C~85°C Relative Humidity<70%
 Operating: 0°C~70°C



ELECTRICAL SPECIFICATIONS AT 25 ° C

Insertion Loss dB max	Return Loss dB min		Crosstalk(db TYP)	Common Mode Rejection (dB TYP)	Hipot(vrrms)
	1-125MHz	1-30MHz			
-1.2	-18	-18+20log(f/30MHz)	-30	-30	1500/0.5mA OR 2250DC/0.1mA

"B" with the company code

Series of products: 60:Double deck RJ45 connector + transformer series(In sidelong footprint); 59:Double deck RJ45 connector + transformer series(In vertical footprint);50: Single RJ45 + transformer series;52/53/55/56 LED/56/57/59: Ordinary RJ45 series;0K: that strip line series; 40: Conversion said
 Connectivity : 80: Series that UK; 91: Automotive connector public Block;92: Automotive connector mother Block; 93: HDMI the head;94: HDMI mother Block; 95: SWT series; 96: HIS for switches

Family code (sequence id) :1-99

Type of product code: G: Gigabit RJ45 transformer; F: 100Base RJ45 transformer; V:for no transformer RJ45 products; W: Series for board-board code

Number of magnetic ring

The No. of circuit

Product definition LOGO: 1 - Press "B-TOP";2- No "B-TOP"; 3- Other companies LOGO

Product definition plastic materials: 1-PA66,2-PA46, 3-PA, 4-PA6, 5-PBT, 6-ABS, 7-PA9T,8-PC,9-LCP

Pin definition of the product:F-Pin after; B-Pin back; C- No definition of the product

Electroplating product definition: gold-plated terminals(degree after nickel plated) :4-F : " ; 2-3 μ" ; 3-6 μ" ; 4-15 μ" ; 5-30 μ" ; 6-50 μ" ; 7-100 μ" ; ;Sn-80-120 μ") ;

Product shielding definition: 0 - no shielding shell; 1 - without shielding shell shrapnet; 2 - shielding a shell shrapnet; 3 - a half-shield shell;

Products Luminous definition: 0 - No LED; 1 -Left Yellow Right Green; 2 - Left Green Right Yellow; 3 - Double Green; 4 - Double Yellow; 5 - LED straight for the pin; 6 - A special definition;7 - Single linear LEDs

Products out part: 1-211 2-232 4-214 5-215 6-216 6-218 7-111 8-112 9-114 9-115 1-116 1-118 1-119 1-120 1-121 1-122 1-123 1-124 1-125 1-126 1-127 1-128 1-129 1-130 1-131 1-132 1-133 1-134 1-135 1-136 1-137 1-138 1-139 1-140 1-141 1-142 1-143 1-144 1-145 1-146 1-147 1-148 1-149 1-150 1-151 1-152 1-153 1-154 1-155 1-156 1-157 1-158 1-159 1-160 1-161 1-162 1-163 1-164 1-165 1-166 1-167 1-168 1-169 1-170 1-171 1-172 1-173 1-174 1-175 1-176 1-177 1-178 1-179 1-180 1-181 1-182 1-183 1-184 1-185 1-186 1-187 1-188 1-189 1-190 1-191 1-192 1-193 1-194 1-195 1-196 1-197 1-198 1-199 1-200 1-201 1-202 1-203 1-204 1-205 1-206 1-207 1-208 1-209 1-210 1-211 1-212 1-213 1-214 1-215 1-216 1-217 1-218 1-219 1-220 1-221 1-222 1-223 1-224 1-225 1-226 1-227 1-228 1-229 1-230 1-231 1-232 1-233 1-234 1-235 1-236 1-237 1-238 1-239 1-240 1-241 1-242 1-243 1-244 1-245 1-246 1-247 1-248 1-249 1-250 1-251 1-252 1-253 1-254 1-255 1-256 1-257 1-258 1-259 1-260 1-261 1-262 1-263 1-264 1-265 1-266 1-267 1-268 1-269 1-270 1-271 1-272 1-273 1-274 1-275 1-276 1-277 1-278 1-279 1-280 1-281 1-282 1-283 1-284 1-285 1-286 1-287 1-288 1-289 1-290 1-291 1-292 1-293 1-294 1-295 1-296 1-297 1-298 1-299 1-300 1-301 1-302 1-303 1-304 1-305 1-306 1-307 1-308 1-309 1-310 1-311 1-312 1-313 1-314 1-315 1-316 1-317 1-318 1-319 1-320 1-321 1-322 1-323 1-324 1-325 1-326 1-327 1-328 1-329 1-330 1-331 1-332 1-333 1-334 1-335 1-336 1-337 1-338 1-339 1-340 1-341 1-342 1-343 1-344 1-345 1-346 1-347 1-348 1-349 1-350 1-351 1-352 1-353 1-354 1-355 1-356 1-357 1-358 1-359 1-360 1-361 1-362 1-363 1-364 1-365 1-366 1-367 1-368 1-369 1-370 1-371 1-372 1-373 1-374 1-375 1-376 1-377 1-378 1-379 1-380 1-381 1-382 1-383 1-384 1-385 1-386 1-387 1-388 1-389 1-390 1-391 1-392 1-393 1-394 1-395 1-396 1-397 1-398 1-399 1-400 1-401 1-402 1-403 1-404 1-405 1-406 1-407 1-408 1-409 1-410 1-411 1-412 1-413 1-414 1-415 1-416 1-417 1-418 1-419 1-420 1-421 1-422 1-423 1-424 1-425 1-426 1-427 1-428 1-429 1-430 1-431 1-432 1-433 1-434 1-435 1-436 1-437 1-438 1-439 1-440 1-441 1-442 1-443 1-444 1-445 1-446 1-447 1-448 1-449 1-450 1-451 1-452 1-453 1-454 1-455 1-456 1-457 1-458 1-459 1-460 1-461 1-462 1-463 1-464 1-465 1-466 1-467 1-468 1-469 1-470 1-471 1-472 1-473 1-474 1-475 1-476 1-477 1-478 1-479 1-480 1-481 1-482 1-483 1-484 1-485 1-486 1-487 1-488 1-489 1-490 1-491 1-492 1-493 1-494 1-495 1-496 1-497 1-498 1-499 1-500 1-501 1-502 1-503 1-504 1-505 1-506 1-507 1-508 1-509 1-510 1-511 1-512 1-513 1-514 1-515 1-516 1-517 1-518 1-519 1-520 1-521 1-522 1-523 1-524 1-525 1-526 1-527 1-528 1-529 1-530 1-531 1-532 1-533 1-534 1-535 1-536 1-537 1-538 1-539 1-540 1-541 1-542 1-543 1-544 1-545 1-546 1-547 1-548 1-549 1-550 1-551 1-552 1-553 1-554 1-555 1-556 1-557 1-558 1-559 1-560 1-561 1-562 1-563 1-564 1-565 1-566 1-567 1-568 1-569 1-570 1-571 1-572 1-573 1-574 1-575 1-576 1-577 1-578 1-579 1-580 1-581 1-582 1-583 1-584 1-585 1-586 1-587 1-588 1-589 1-590 1-591 1-592 1-593 1-594 1-595 1-596 1-597 1-598 1-599 1-600 1-601 1-602 1-603 1-604 1-605 1-606 1-607 1-608 1-609 1-610 1-611 1-612 1-613 1-614 1-615 1-616 1-617 1-618 1-619 1-620 1-621 1-622 1-623 1-624 1-625 1-626 1-627 1-628 1-629 1-630 1-631 1-632 1-633 1-634 1-635 1-636 1-637 1-638 1-639 1-640 1-641 1-642 1-643 1-644 1-645 1-646 1-647 1-648 1-649 1-650 1-651 1-652 1-653 1-654 1-655 1-656 1-657 1-658 1-659 1-660 1-661 1-662 1-663 1-664 1-665 1-666 1-667 1-668 1-669 1-670 1-671 1-672 1-673 1-674 1-675 1-676 1-677 1-678 1-679 1-680 1-681 1-682 1-683 1-684 1-685 1-686 1-687 1-688 1-689 1-690 1-691 1-692 1-693 1-694 1-695 1-696 1-697 1-698 1-699 1-700 1-701 1-702 1-703 1-704 1-705 1-706 1-707 1-708 1-709 1-710 1-711 1-712 1-713 1-714 1-715 1-716 1-717 1-718 1-719 1-720 1-721 1-722 1-723 1-724 1-725 1-726 1-727 1-728 1-729 1-730 1-731 1-732 1-733 1-734 1-735 1-736 1-737 1-738 1-739 1-740 1-741 1-742 1-743 1-744 1-745 1-746 1-747 1-748 1-749 1-750 1-751 1-752 1-753 1-754 1-755 1-756 1-757 1-758 1-759 1-760 1-761 1-762 1-763 1-764 1-765 1-766 1-767 1-768 1-769 1-770 1-771 1-772 1-773 1-774 1-775 1-776 1-777 1-778 1-779 1-780 1-781 1-782 1-783 1-784 1-785 1-786 1-787 1-788 1-789 1-790 1-791 1-792 1-793 1-794 1-795 1-796 1-797 1-798 1-799 1-800 1-801 1-802 1-803 1-804 1-805 1-806 1-807 1-808 1-809 1-810 1-811 1-812 1-813 1-814 1-815 1-816 1-817 1-818 1-819 1-820 1-821 1-822 1-823 1-824 1-825 1-826 1-827 1-828 1-829 1-830 1-831 1-832 1-833 1-834 1-835 1-836 1-837 1-838 1-839 1-840 1-841 1-842 1-843 1-844 1-845 1-846 1-847 1-848 1-849 1-850 1-851 1-852 1-853 1-854 1-855 1-856 1-857 1-858 1-859 1-860 1-861 1-862 1-863 1-864 1-865 1-866 1-867 1-868 1-869 1-870 1-871 1-872 1-873 1-874 1-875 1-876 1-877 1-878 1-879 1-880 1-881 1-882 1-883 1-884 1-885 1-886 1-887 1-888 1-889 1-890 1-891 1-892 1-893 1-894 1-895 1-896 1-897 1-898 1-899 1-900 1-901 1-902 1-903 1-904 1-905 1-906 1-907 1-908 1-909 1-910 1-911 1-912 1-913 1-914 1-915 1-916 1-917 1-918 1-919 1-920 1-921 1-922 1-923 1-924 1-925 1-926 1-927 1-928 1-929 1-930 1-931 1-932 1-933 1-934 1-935 1-936 1-937 1-938 1-939 1-940 1-941 1-942 1-943 1-944 1-945 1-946 1-947 1-948 1-949 1-950 1-951 1-952 1-953 1-954 1-955 1-956 1-957 1-958 1-959 1-960 1-961 1-962 1-963 1-964 1-965 1-966 1-967 1-968 1-969 1-970 1-971 1-972 1-973 1-974 1-975 1-976 1-977 1-978 1-979 1-980 1-981 1-982 1-983 1-984 1-985 1-986 1-987 1-988 1-989 1-990 1-991 1-992 1-993 1-994 1-995 1-996 1-997 1-998 1-999 1-1000

B-TOP® 东莞市博腾电子科技有限公司
 Dongguan BroadTop Electronic Technology Co., Ltd.

Designed

Checked

Approved

MATERIAL

DESCRIPTION

BT GP8-213 4POE

FIRST ANGLE PROJECTION



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 Website: www.BtopTech.cn
 www.BtopTech.com

SCALE

1.8:1

UNIT

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MODEL NO.

REV.

V_1.0