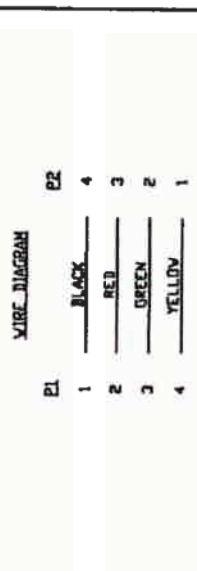


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| DWG. NO.  | REV. | DESCRIPTION          | DATE     | APPROVED |
|-----------|------|----------------------|----------|----------|
| XXX-51X-D | X1   | CUSTOMER APPROVAL    | 03/26/99 | E.V.     |
|           | X2   | ADD RETRACTED LENGTH | 03/29/99 | E.V.     |



| 444-144-515-D | 121-410-022 | 14.0 FT (4.3 M) | 34.0 IN (863.6 MM) | WHITE        |
|---------------|-------------|-----------------|--------------------|--------------|
| 444-144-514-D | 121-410-012 | 14.0 FT (4.3 M) | 34.0 IN (863.6 MM) | BLACK        |
| 444-144-513-D | 121-410-002 | 14.0 FT (4.3 M) | 34.0 IN (863.6 MM) | SILVER SATIN |
| 444-104-512-D | 121-410-021 | 10.0 FT (3.0 M) | 20.0 IN (508.0 MM) | WHITE        |
| 444-104-511-D | 121-410-011 | 10.0 FT (3.0 M) | 20.0 IN (508.0 MM) | BLACK        |
| 444-104-510-D | 121-410-001 | 10.0 FT (3.0 M) | 20.0 IN (508.0 MM) | SILVER SATIN |
| 444-074-515-D | 121-410-020 | 7.0 FT (2.1 M)  | 21.0 IN (533.4 MM) | WHITE        |
| 444-074-514-D | 121-410-010 | 7.0 FT (2.1 M)  | 21.0 IN (533.4 MM) | BLACK        |
| 444-074-513-D | 121-410-000 | 7.0 FT (2.1 M)  | 21.0 IN (533.4 MM) | SILVER SATIN |
| 444-054-512-D | 121-410-023 | 5.0 FT (1.5 M)  | 17.0 IN (431.8 MM) | WHITE        |
| 444-054-511-D | 121-410-013 | 5.0 FT (1.5 M)  | 17.0 IN (431.8 MM) | BLACK        |
| 444-054-510-D | 121-410-003 | 5.0 FT (1.5 M)  | 17.0 IN (431.8 MM) | SILVER SATIN |

THIRD ANGLE PROJECTION

UNLESS OTHERWISE NOTED, DIMENSIONS ARE IN INCHES (MILLIMETERS). TOLERANCES: XXX ± 0.25 (6.35)

MODULAR COIL CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, PVC JACKET, (SEE TABULATION BLOCK FOR COLOR).

CONNECTION, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50.4" AL, FLAT TYPE EXIT.

DESCRIPTION

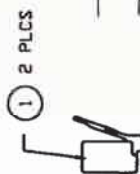
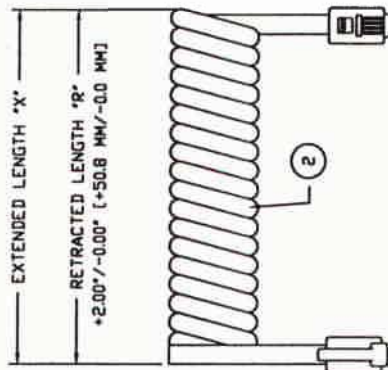
CABLE ASSEMBLY PARTS LIST

| ITEM | QTY   | MTG. | IOI PART NO. |
|------|-------|------|--------------|
| 2    | 2 PCS | IOI  | 305-441-50X  |

CUSTOMER APPROVAL  
ENGR. SIGN *Matt Danner*  
DATE: 4-13-99

- NOTES: UNLESS OTHERWISE SPECIFIED.
- TEST CABLE FOR ALL OPENS & SHORTS.
  - PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

| A                                                                                                                                                                                                                                                     | B    | C    | D                    | E        | F        | G | H |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------------------|----------|----------|---|---|
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| DWG. NO.                                                                                                                                                                                                                                              | ZONE | REV. | DESCRIPTION          | DATE     | APPROVED |   |   |
| XX4-50X-D                                                                                                                                                                                                                                             |      | X1   | CUSTOMER APPROVAL    | 03/25/99 | E.V.     |   |   |
|                                                                                                                                                                                                                                                       |      | X2   | ADD RETRACTED LENGTH | 03/29/99 | E.V.     |   |   |



P1



P2



CUSTOMER APPROVAL

ENGR. SIGN Mathy Nasser

DATE: 4-13-99

NOTES: UNLESS OTHERWISE SPECIFIED.

1. TEST CABLE FOR ALL OPENS & SHORTS.

2. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

MODULAR COIL CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, PVC JACKET, (SEE TABULATION BLOCK FOR COLOR).

CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.

DESCRIPTION

CABLE ASSEMBLY PARTS LIST

# TABULATION BLOCK

| THIRD ANGLE PROJECTION                                                                                     |  | I/O INTERCONNECT                                                                                                                                                     |  |
|------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                            |  | SANTA ANA, CALIFORNIA                                                                                                                                                |  |
| UNLESS OTHERWISE NOTED:<br>1) DIMENSIONS ARE IN INCHES (MILLIMETER)<br>2) TOLERANCES:<br>XXX ± 0.25 (6.35) |  | <p>APAC/APAC COIL CABLE.</p> <p>REVERSE STYLE, CABLE ASSEMBLY</p> <p>PART NO. 444-XX4-50X-D</p> <p>DWG NO. 444-XX4-50X-D</p> <p>CUSTOMER DIGI KEY</p> <p>REV. X2</p> |  |

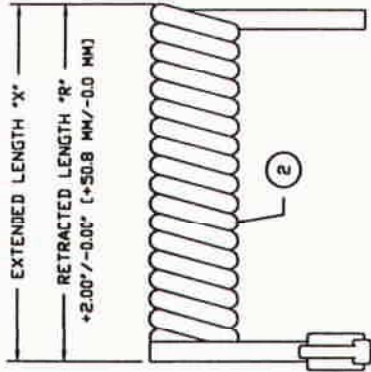
| IOI PART NUMBER | IOI CABLE PART NUMBER | EXTENDED LENGTH "X" | RETRACTED LENGTH "R" | COLOR        |
|-----------------|-----------------------|---------------------|----------------------|--------------|
| 444-144-505-D   | 121-410-022           | 14.0 FT (4.3 M)     | 34.0 IN (863.6 MM)   | WHITE        |
| 444-144-504-D   | 121-410-012           | 14.0 FT (4.3 M)     | 34.0 IN (863.6 MM)   | BLACK        |
| 444-144-503-D   | 121-410-002           | 14.0 FT (4.3 M)     | 34.0 IN (863.6 MM)   | SILVER SATIN |
| 444-104-502-D   | 121-410-021           | 10.0 FT (3.0 M)     | 30.0 IN (762.0 MM)   | WHITE        |
| 444-104-501-D   | 121-410-011           | 10.0 FT (3.0 M)     | 30.0 IN (762.0 MM)   | BLACK        |
| 444-104-500-D   | 121-410-001           | 10.0 FT (3.0 M)     | 30.0 IN (762.0 MM)   | SILVER SATIN |
| 444-074-505-D   | 121-410-020           | 7.0 FT (2.1 M)      | 21.0 IN (533.4 MM)   | WHITE        |
| 444-074-504-D   | 121-410-010           | 7.0 FT (2.1 M)      | 21.0 IN (533.4 MM)   | BLACK        |
| 444-074-503-D   | 121-410-000           | 7.0 FT (2.1 M)      | 21.0 IN (533.4 MM)   | SILVER SATIN |
| 444-054-502-D   | 121-410-023           | 5.0 FT (1.5 M)      | 17.0 IN (431.8 MM)   | WHITE        |
| 444-054-501-D   | 121-410-013           | 5.0 FT (1.5 M)      | 17.0 IN (431.8 MM)   | BLACK        |
| 444-054-500-D   | 121-410-003           | 5.0 FT (1.5 M)      | 17.0 IN (431.8 MM)   | SILVER SATIN |

| ITEM | QTY   | IOI  | MFG. | IOI PART NO. | DESCRIPTION            |
|------|-------|------|------|--------------|------------------------|
| 2    | 2 PCS | IOI  |      | 325-441-50X  | SEE "TABULATION BLOCK" |
| 1    | 1     | MFG. |      |              |                        |

| SCALE | DATE | SHEET | OF |
|-------|------|-------|----|
|       |      | 1     | 1  |

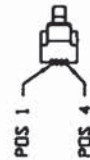
| A   | B   | C   | D   | E   | F   | G   | H    |
|-----|-----|-----|-----|-----|-----|-----|------|
| 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8    |
| 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16   |
| 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24   |
| 25  | 26  | 27  | 28  | 29  | 30  | 31  | 32   |
| 33  | 34  | 35  | 36  | 37  | 38  | 39  | 40   |
| 41  | 42  | 43  | 44  | 45  | 46  | 47  | 48   |
| 49  | 50  | 51  | 52  | 53  | 54  | 55  | 56   |
| 57  | 58  | 59  | 60  | 61  | 62  | 63  | 64   |
| 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72   |
| 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80   |
| 81  | 82  | 83  | 84  | 85  | 86  | 87  | 88   |
| 89  | 90  | 91  | 92  | 93  | 94  | 95  | 96   |
| 97  | 98  | 99  | 100 | 101 | 102 | 103 | 104  |
| 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112  |
| 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120  |
| 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128  |
| 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136  |
| 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144  |
| 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152  |
| 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160  |
| 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168  |
| 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176  |
| 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184  |
| 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192  |
| 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200  |
| 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208  |
| 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216  |
| 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224  |
| 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232  |
| 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240  |
| 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248  |
| 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256  |
| 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264  |
| 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272  |
| 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280  |
| 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288  |
| 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296  |
| 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304  |
| 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312  |
| 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320  |
| 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328  |
| 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336  |
| 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344  |
| 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352  |
| 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360  |
| 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368  |
| 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376  |
| 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384  |
| 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392  |
| 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400  |
| 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408  |
| 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416  |
| 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424  |
| 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432  |
| 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440  |
| 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448  |
| 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456  |
| 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464  |
| 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472  |
| 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480  |
| 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488  |
| 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496  |
| 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504  |
| 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512  |
| 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520  |
| 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528  |
| 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536  |
| 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544  |
| 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552  |
| 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560  |
| 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568  |
| 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576  |
| 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584  |
| 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592  |
| 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600  |
| 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608  |
| 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616  |
| 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624  |
| 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632  |
| 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640  |
| 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648  |
| 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656  |
| 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664  |
| 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672  |
| 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680  |
| 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688  |
| 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696  |
| 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704  |
| 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712  |
| 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720  |
| 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728  |
| 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736  |
| 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744  |
| 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752  |
| 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760  |
| 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768  |
| 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776  |
| 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784  |
| 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792  |
| 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800  |
| 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808  |
| 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816  |
| 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824  |
| 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832  |
| 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840  |
| 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848  |
| 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856  |
| 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864  |
| 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872  |
| 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880  |
| 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888  |
| 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896  |
| 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904  |
| 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912  |
| 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920  |
| 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928  |
| 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936  |
| 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944  |
| 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952  |
| 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960  |
| 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968  |
| 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976  |
| 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984  |
| 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992  |
| 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |

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OPEN END

PI



CUSTOMER APPROVAL

ENGR. SIGN *Matt Lerner*

DATE: 4-13-99

NOTES: UNLESS OTHERWISE SPECIFIED.

1. TEST CABLE FOR ALL OPENS & SHORTS.

2. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG.

PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

MODULAR COIL CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, PVC JACKET, (SEE TABULATION BLOCK FOR COLOR).

CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50A AL, FLAT TYPE EXIT.

DESCRIPTION

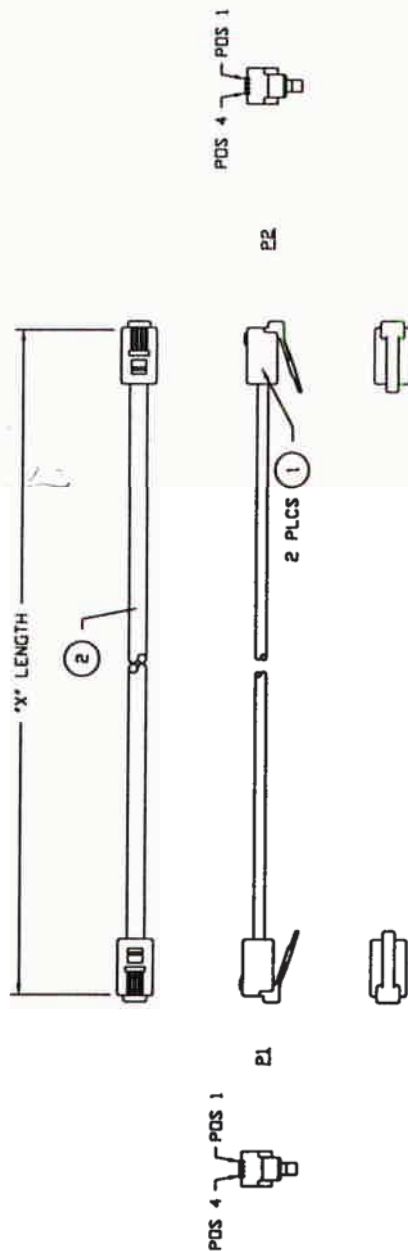
CABLE ASSEMBLY PARTS LIST

| 444-144-525-D   | 121-410-022           | 14.0 FT (4.3 M)     | 34.0 IN (863.6 MM)   | WHITE        |
|-----------------|-----------------------|---------------------|----------------------|--------------|
| 444-144-524-D   | 121-410-012           | 14.0 FT (4.3 M)     | 34.0 IN (863.6 MM)   | BLACK        |
| 444-144-523-D   | 121-410-002           | 14.0 FT (4.3 M)     | 34.0 IN (863.6 MM)   | SILVER SATIN |
| 444-104-522-D   | 121-410-021           | 10.0 FT (3.0 M)     | 30.0 IN (762.0 MM)   | WHITE        |
| 444-104-521-D   | 121-410-011           | 10.0 FT (3.0 M)     | 30.0 IN (762.0 MM)   | BLACK        |
| 444-104-520-D   | 121-410-001           | 10.0 FT (3.0 M)     | 30.0 IN (762.0 MM)   | SILVER SATIN |
| 444-074-525-D   | 121-410-020           | 7.0 FT (2.1 M)      | 21.0 IN (533.4 MM)   | WHITE        |
| 444-074-524-D   | 121-410-010           | 7.0 FT (2.1 M)      | 21.0 IN (533.4 MM)   | BLACK        |
| 444-074-523-D   | 121-410-000           | 7.0 FT (2.1 M)      | 21.0 IN (533.4 MM)   | SILVER SATIN |
| 444-054-522-D   | 121-410-023           | 5.0 FT (1.5 M)      | 17.0 IN (431.8 MM)   | WHITE        |
| 444-054-521-D   | 121-410-013           | 5.0 FT (1.5 M)      | 17.0 IN (431.8 MM)   | BLACK        |
| 444-054-520-D   | 121-410-003           | 5.0 FT (1.5 M)      | 17.0 IN (431.8 MM)   | SILVER SATIN |
| 101 PART NUMBER | 101 CABLE PART NUMBER | EXTENDED LENGTH "X" | RETRACTED LENGTH "R" | COLOR        |

TABULATION BLOCK

|                                                                                                            |  |                                                                                                                                                                       |  |
|------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                            |  |                                                                                                                                                                       |  |
| THIRD ANGLE PROJECTION                                                                                     |  | I/O INTERCONNECT                                                                                                                                                      |  |
| UNLESS OTHERWISE NOTED:<br>1) DIMENSIONS ARE IN INCHES (MILLIMETER)<br>2) TOLERANCES:<br>XXX ± 0.25 (6.35) |  | TITLE: 4PAC COIL CABLE TO OPEN END, CABLE ASSEMBLY<br>PART NO: 444-XX4-52X-D<br>DWG NO: 444-XX4-52X-D<br>CUSTOMER: DIGI KEY<br>REV: X2<br>SCALE: NONE<br>SHEET 1 OF 1 |  |

| DWG. NO.  | ZONE | REV. | DESCRIPTION       | DATE     | APPROVED |
|-----------|------|------|-------------------|----------|----------|
| XX4-512-D |      | X1   | CUSTOMER APPROVAL | 03/24/99 | E.V.     |



**WIRE DIAGRAM**

| P1 | P2 |
|----|----|
| 1  | 4  |
| 2  | 3  |
| 3  | 2  |
| 4  | 1  |

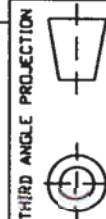
**CUSTOMER APPROVAL**  
**ENGR. SIGN** Flatt  
**DATE:** 4-12-99

H/441-25-ND  
H/441-14-ND  
H/441-07-ND

NOTES: UNLESS OTHERWISE SPECIFIED.

1. CABLE TO BE BUNDLED AND TWIST TIED.
2. TEST CABLE FOR ALL OPENS & SHORTS.
3. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

| PART NUMBER<br>I/O INTERCONNECT | LENGTH *X*                            |
|---------------------------------|---------------------------------------|
| 444-254-512-D                   | 23.0 FT ± 4.0 IN<br>7.62 M ± 101.6 MM |
| 444-144-512-D                   | 14.0 FT ± 3.0 IN<br>4.27 M ± 76.2 MM  |
| 444-074-512-D                   | 7.0 FT ± 2.0 IN<br>2.13 M ± 50.8 MM   |

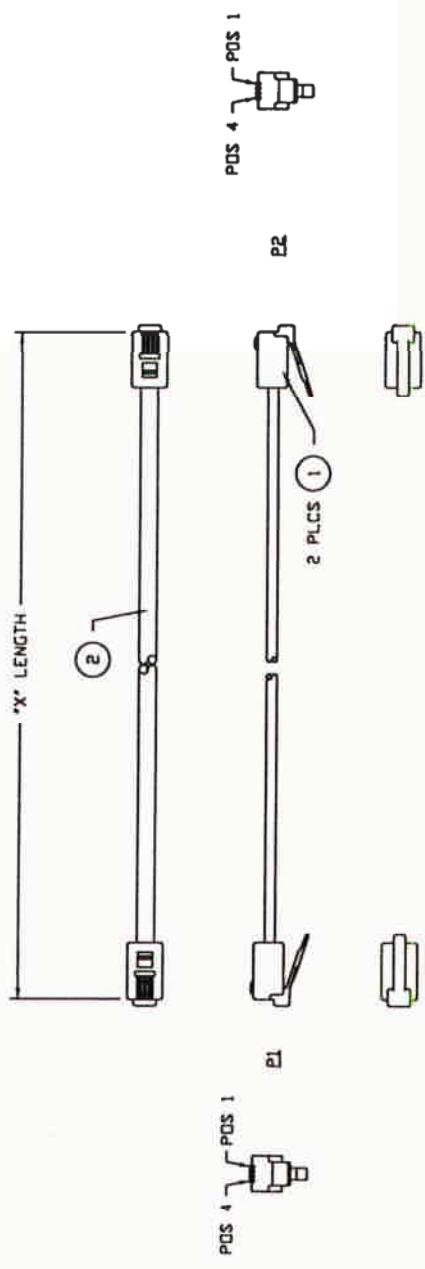


UNLESS OTHERWISE NOTED:  
1) DIMENSIONS ARE IN INCHES (MILLIMETER)  
2) TOLERANCES: X.XX ± 0.25 (6.35)

|                                                                                     |                       |  |  |  |  |
|-------------------------------------------------------------------------------------|-----------------------|--|--|--|--|
|  |                       |  |  |  |  |
| I/O INTERCONNECT                                                                    |                       |  |  |  |  |
| SANTA ANA, CALIFORNIA                                                               |                       |  |  |  |  |
| TITLE:                                                                              | WHITE, CABLE ASSEMBLY |  |  |  |  |
| PART NO.                                                                            | 444-XX4-512-D         |  |  |  |  |
| DRAWING NO.                                                                         | 444-XX4-512-D         |  |  |  |  |
| CUSTOMER                                                                            | DIGI KEY              |  |  |  |  |
| REV.                                                                                | XI                    |  |  |  |  |
| SHEET                                                                               | OF                    |  |  |  |  |
| SCALE                                                                               | NONE                  |  |  |  |  |

| ITEM | QTY   | UFG. | IOI PART NO. | DESCRIPTION                                                                   |
|------|-------|------|--------------|-------------------------------------------------------------------------------|
| 2    | X'    | IOI  | 120-410-020  | MODULAR CABLE, 26 AVG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, WHITE PVC. |
| 1    | 2 PCS | IOI  | 325-441-50X  | CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 500' AU, FLAT TYPE EXIT.    |

## CABLE ASSEMBLY PARTS LIST



WIRE DIAGRAM

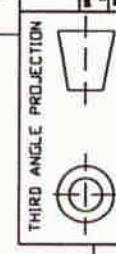
| P1 | P2     |
|----|--------|
| 1  | BLACK  |
| 2  | RED    |
| 3  | GREEN  |
| 4  | YELLOW |

CUSTOMER APPROVAL  
ENGR. SIGN *Platt Ganic*  
DATE: 4-12-99

- NOTES: UNLESS OTHERWISE SPECIFIED.
1. CABLE TO BE BUNDLED AND TWIST TIED.
  2. TEST CABLE FOR ALL OPENS & SHORTS.
  3. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

H1442-14-ND  
H1442-14-ND  
H1442-07-ND

|                                 |                                       |
|---------------------------------|---------------------------------------|
| 444-254-511-D                   | 25.0 FT ± 4.0 IN<br>7.62 M ± 101.5 MM |
| 444-144-511-D                   | 14.0 FT ± 3.0 IN<br>4.27 M ± 76.2 MM  |
| 444-074-511-D                   | 7.0 FT ± 2.0 IN<br>2.13 M ± 50.8 MM   |
| PART NUMBER<br>I/O INTERCONNECT | LENGTH "X"                            |



THIRD ANGLE PROJECTION

|                                                        |               |       |        |
|--------------------------------------------------------|---------------|-------|--------|
| REV.                                                   | DATE          | BY    | CHKD.  |
| 1                                                      | 03/24/99      |       |        |
| TITLE<br>I/O INTERCONNECT<br>SANTA ANA, CALIFORNIA     |               |       |        |
| 4P4C MODULAR, STANDARD STYLE,<br>BLACK, CABLE ASSEMBLY |               |       |        |
| PART NO.                                               | 444-XX4-511-D |       |        |
| DWG. NO.                                               | 444-XX4-511-D |       |        |
| CUSTOMER                                               | DIGI KEY      |       |        |
| SCALE                                                  | NONE          | SHEET | 1 OF 1 |

MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, BLACK PVC.

CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50U' AU, FLAT TYPE EXIT.

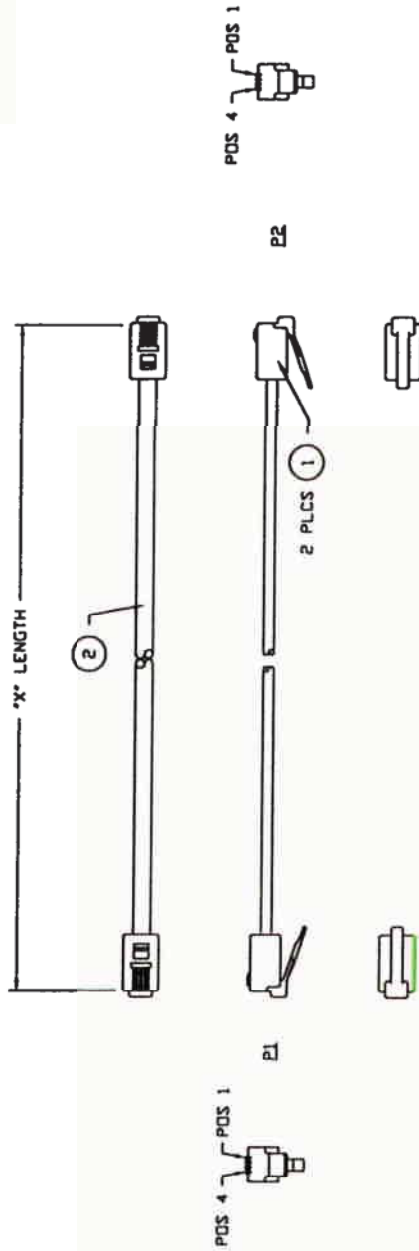
DESCRIPTION

ITEM QTY MFG. I/OI PART NO.

CABLE ASSEMBLY PARTS LIST

| A         |  | B    | C    | D           | E | F                 | G        | H        |
|-----------|--|------|------|-------------|---|-------------------|----------|----------|
| DVG. NO.  |  | ZONE | REV. | DESCRIPTION |   | CUSTOMER APPROVAL | DATE     | APPROVED |
| XX4-510-D |  |      | X1   |             |   |                   | 03/24/99 | E.V.     |

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WIRE DIAGRAM

| P1 | P2     |
|----|--------|
| 1  | BLACK  |
| 2  | RED    |
| 3  | GREEN  |
| 4  | YELLOW |

CUSTOMER APPROVAL  
ENGR. SIGN Matt Amis  
DATE: 4-12-99

NOTES: UNLESS OTHERWISE SPECIFIED.

1. CABLE TO BE BUNDLED AND TWIST TIED.
2. TEST CABLE FOR ALL OPENS & SHORTS.
3. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG.  
PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

|               |                                       |
|---------------|---------------------------------------|
| 444-254-510-D | 25.0 FT ± 4.0 IN<br>7.62 M ± 101.6 MM |
| 444-144-510-D | 14.0 FT ± 3.0 IN<br>4.27 M ± 76.2 MM  |
| 444-074-510-D | 7.0 FT ± 2.0 IN<br>2.13 M ± 50.8 MM   |
| PART NUMBER   | LENGTH "X"                            |

I/O INTERCONNECT

444-254-510-D

|               |                                       |
|---------------|---------------------------------------|
| 444-254-510-D | 25.0 FT ± 4.0 IN<br>7.62 M ± 101.6 MM |
| 444-144-510-D | 14.0 FT ± 3.0 IN<br>4.27 M ± 76.2 MM  |
| 444-074-510-D | 7.0 FT ± 2.0 IN<br>2.13 M ± 50.8 MM   |
| PART NUMBER   | LENGTH "X"                            |



THIRD ANGLE PROJECTION  
UNLESS OTHERWISE NOTED:  
1) DIMENSIONS ARE IN INCHES (MILLIMETER)  
2) TOLERANCES:  
XXX ± 0.25 (6.35)

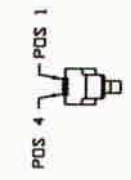
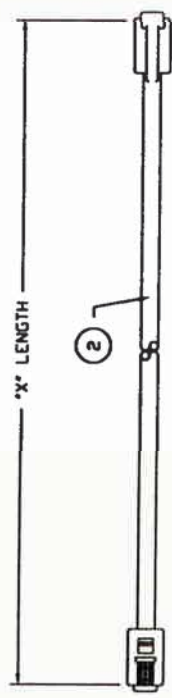
| ITEM | QTY   | MFG. | IOI PART NO. | DESCRIPTION                                                                          |
|------|-------|------|--------------|--------------------------------------------------------------------------------------|
| 2    | 2 PCS | IOI  | 120-410-000  | MODULAR CABLE, 26 AVG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, SILVER SATIN PVC. |
| 1    | 1     | IOI  | 325-441-50X  | CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50" AU, FLAT TYPE EXIT.            |

CABLE ASSEMBLY PARTS LIST

|             |              |
|-------------|--------------|
| SCALE: NONE | SHEET 1 OF 1 |
|-------------|--------------|

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1



POS 1 POS 4

WIRE DIAGRAM

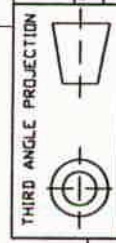
| P1 | P2     |
|----|--------|
| 1  | BLACK  |
| 2  | RED    |
| 3  | GREEN  |
| 4  | YELLOW |

CUSTOMER APPROVAL  
ENGR. SIGN Y. Matt y. lames  
DATE: 4-12-99

- NOTES: UNLESS OTHERWISE SPECIFIED.
- CABLE TO BE BUNDLED AND TWIST TIED.
  - TEST CABLE FOR OPENS & SHORTS.
  - PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

|                  |                                       |
|------------------|---------------------------------------|
| 444-254-502-D    | 25.0 FT ± 4.0 IN<br>7.62 M ± 101.6 MM |
| 444-144-502-D    | 14.0 FT ± 3.0 IN<br>4.27 M ± 76.2 MM  |
| 444-074-502-D    | 7.0 FT ± 2.0 IN<br>2.13 M ± 50.8 MM   |
| PART NUMBER      | LENGTH "X"                            |
| I/O INTERCONNECT |                                       |

H2441-25-ND  
H2441-14-ND  
H2441-07-ND



|                                                            |                           |
|------------------------------------------------------------|---------------------------|
| <b>I/O INTERCONNECT</b><br>SANTA ANA, CALIFORNIA           |                           |
| TITLE<br>4P4C MODULAR, REVERT STYLE, WHITE, CABLE ASSEMBLY | PART NO.<br>444-XX4-502-D |
| DRAWING NO.<br>444-XX4-502-D                               | REV.<br>XI                |
| DATE/PAID<br>03/22/99                                      | SCALE<br>NONE             |
| SHEET<br>1 OF 1                                            |                           |

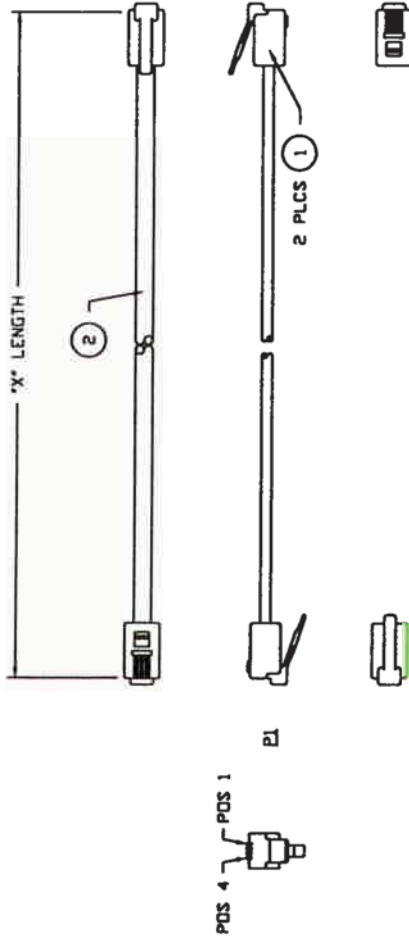
UNLESS OTHERWISE NOTED  
1) DIMENSIONS ARE IN INCHES (MILLIMETER)  
2) TOLERANCES:  
XXX ± 0.25 (6.35)

MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, WHITE PVC.  
CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" Au, FLAT TYPE EXIT.

| ITEM | QTY   | MOF. | IOI PART NO. | DESCRIPTION                                                                   |
|------|-------|------|--------------|-------------------------------------------------------------------------------|
| 2    | 2 PCS | IOI  | 120-410-020  | MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, WHITE PVC. |
| 1    | 2 PCS | IOI  | 325-441-50X  | CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" Au, FLAT TYPE EXIT.    |

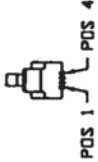
CABLE ASSEMBLY PARTS LIST

|                                                                                                                                                                                                                          |   |                       |            |            |                                  |                  |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------|------------|------------|----------------------------------|------------------|------------------|
| A                                                                                                                                                                                                                        | B | C                     | D          | E          | F                                | G                | H                |
| THESE DRAWINGS AND SPECIFICATIONS ARE THE SOLE PROPERTY OF I/O INTERCONNECT INC. NO PARTS MAY BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF I/O INTERCONNECT INC. OR ITS AFFILIATED SUBSIDIARIES. |   | DWG. NO.<br>XX4-501-D | ZONE<br>XI | REV.<br>XI | DESCRIPTION<br>CUSTOMER APPROVAL | DATE<br>03/24/99 | APPROVED<br>E.V. |



WIRE DIAGRAM

|    |   |        |    |   |
|----|---|--------|----|---|
| P1 | 1 | BLACK  | P2 | 1 |
|    | 2 | RED    |    | 2 |
|    | 3 | GREEN  |    | 3 |
|    | 4 | YELLOW |    | 4 |

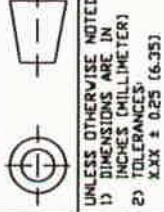


CUSTOMER APPROVAL  
ENGR. SIGN Matt James  
DATE: 4-12-99

- NOTES: UNLESS OTHERWISE SPECIFIED.
1. CABLE TO BE BUNDLED AND TWIST TIED.
  2. TEST CABLE FOR ALL OPENS & SHORTS.
  3. PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

|               |                                       |
|---------------|---------------------------------------|
| 444-254-501-D | 25.0 FT ± 4.0 IN<br>7.62 M ± 101.6 MM |
| 444-144-501-D | 14.0 FT ± 3.0 IN<br>4.27 M ± 76.2 MM  |
| 444-074-501-D | 7.0 FT ± 2.0 IN<br>2.13 M ± 50.8 MM   |
| PART NUMBER   | LENGTH "X"                            |

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| I/O INTERCONNECT      |                                                   |
| SANTA ANA, CALIFORNIA |                                                   |
| TITLE                 | 4P4C MODULAR, REVERT STYLE, BLACK, CABLE ASSEMBLY |
| PART NO.              | 444-XX4-501-D                                     |
| DWG NO.               | 444-XX4-501-D                                     |
| CUSTOMER              | DIGI KEY                                          |
| REV.                  | X1                                                |
| SCALE                 | NONE                                              |
| SHEET                 | 1 OF 1                                            |



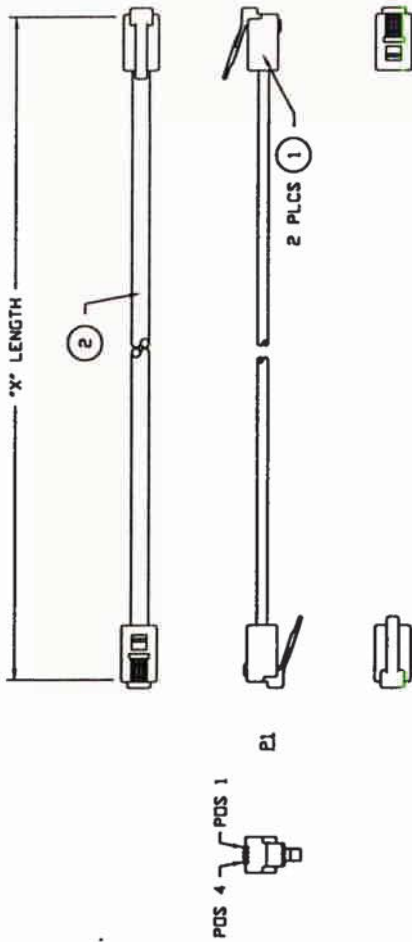
THIRD ANGLE PROJECTION  
UNLESS OTHERWISE NOTED:  
1) DIMENSIONS ARE IN INCHES (MILLIMETER)  
2) TOLERANCES:  
XXX ± 0.25 (6.35)

| ITEM | QTY   | MFG. | IOI PART NO. | DESCRIPTION                                                                   |
|------|-------|------|--------------|-------------------------------------------------------------------------------|
| 2    | "X"   | IOI  | 120-410-010  | MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, BLACK PVC. |
| 1    | 2 PCS | IOI  | 325-441-50X  | CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.    |

CABLE ASSEMBLY PARTS LIST

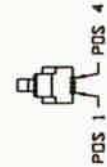
| A         |      | B    | C                 | D        | E        | F | G | H |
|-----------|------|------|-------------------|----------|----------|---|---|---|
| FIG. NO.  | ZONE | REV. | DESCRIPTION       | DATE     | APPROVED |   |   |   |
| XX4-500-D | X1   |      | CUSTOMER APPROVAL | 03/24/99 | E.V.     |   |   |   |

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| P1 | P2     |
|----|--------|
| 1  | BLACK  |
| 2  | RED    |
| 3  | GREEN  |
| 4  | YELLOW |

WIRE DIAGRAM



CUSTOMER APPROVAL  
ENGR. SIGN Y. Math. Lamer  
DATE: 4-12-99

- NOTES: UNLESS OTHERWISE SPECIFIED.
- CABLE TO BE BUNDLED AND TWIST TIED.
  - TEST CABLE FOR ALL OPENS & SHORTS.
  - PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

|                  |                                       |
|------------------|---------------------------------------|
| 444-254-500-D    | 25.0 FT ± 4.0 IN<br>7.62 M ± 101.6 MM |
| 444-144-500-D    | 14.0 FT ± 3.0 IN<br>4.27 M ± 76.2 MM  |
| 444-074-500-D    | 7.0 FT ± 2.0 IN<br>2.13 M ± 50.8 MM   |
| PART NUMBER      | LENGTH "X"                            |
| I/O INTERCONNECT |                                       |

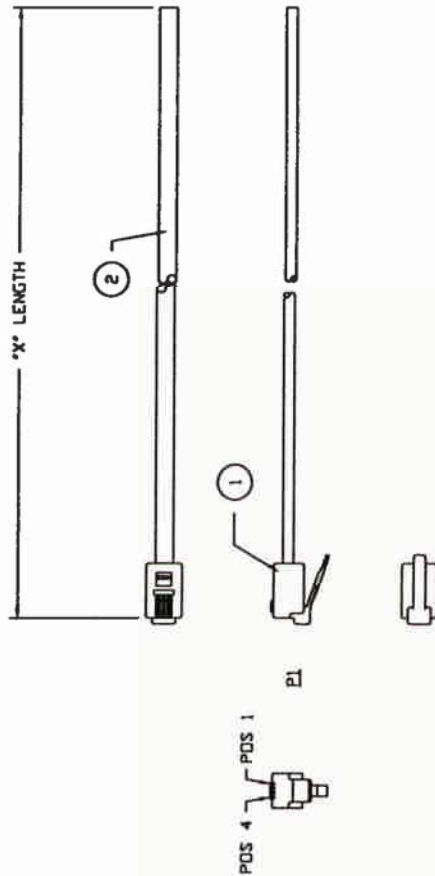
H2443-25-ND  
H2443-14-ND  
H2443-07-ND

| THIRD ANGLE PROJECTION                                                                                   |       | I/O INTERCONNECT      |                                                                                      |
|----------------------------------------------------------------------------------------------------------|-------|-----------------------|--------------------------------------------------------------------------------------|
| UNLESS OTHERWISE NOTED<br>1) DIMENSIONS ARE IN INCHES (MILLIMETER)<br>2) TOLERANCES<br>XXX ± 0.25 (6.35) |       | SANTA ANA, CALIFORNIA |                                                                                      |
| 2                                                                                                        | "X"   | 120-410-000           | MODULAR CABLE, 26 AVG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, SILVER SATIN PVC. |
| 1                                                                                                        | 2 PCS | 325-441-50X           | CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" Au, FLAT TYPE EXIT.           |
| ITEM                                                                                                     | QTY   | W'G.                  | DESCRIPTION                                                                          |
| CABLE ASSEMBLY PARTS LIST                                                                                |       |                       |                                                                                      |
|                                                                                                          |       | 101 PART NO.          |                                                                                      |
|                                                                                                          |       | SCALE                 | 1 OF 1                                                                               |



| A         |      | B    | C                 | D        | E        | F | G | H |
|-----------|------|------|-------------------|----------|----------|---|---|---|
| DWG. NO.  | ZONE | REV. | DESCRIPTION       | DATE     | APPROVED |   |   |   |
| XX4-521-D |      | X1   | CUSTOMER APPROVAL | 03/24/99 | E.V.     |   |   |   |

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# WIRE DIAGRAM

| PI | OPEN END |
|----|----------|
| 1  | BLACK    |
| 2  | RED      |
| 3  | GREEN    |
| 4  | YELLOW   |

## CUSTOMER APPROVAL

ENGR. SIGN Matt Janner

DATE: 4-12-99

NOTES: UNLESS OTHERWISE SPECIFIED.

- CABLE TO BE BUNDLED AND TWIST TIED.
- TEST CABLE FOR ALL OPENS & SHORTS.
- PACKAGE CABLE ASSEMBLY INDIVIDUALLY IN PLASTIC BAG. PACKAGE INDIVIDUAL BAG PER LOT NUMBER QUANTITIES.

H3442-25-ND  
H3442-14-ND  
H3442-07-ND

|               |                                       |
|---------------|---------------------------------------|
| 444-254-521-D | 25.0 FT ± 4.0 IN<br>7.62 M ± 101.6 MM |
| 444-144-521-D | 14.0 FT ± 3.0 IN<br>4.27 M ± 76.2 MM  |
| 444-074-521-D | 7.0 FT ± 2.0 IN<br>2.13 M ± 50.8 MM   |
| PART NUMBER   | LENGTH "X"                            |

THIRD ANGLE PROJECTION



UNLESS OTHERWISE NOTED:  
1) DIMENSIONS ARE IN INCHES (MILLIMETER)  
2) TOLERANCES:  
XXX ± 0.25 (6.35)

**I/O INTERCONNECT**  
SANTA ANA, CALIFORNIA

| REV. | DATE     | BY | CHKD. | APP'D. |
|------|----------|----|-------|--------|
| X1   | 03/24/99 |    |       |        |

MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, BLACK PVC.

CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.

DESCRIPTION

CABLE ASSEMBLY PARTS LIST

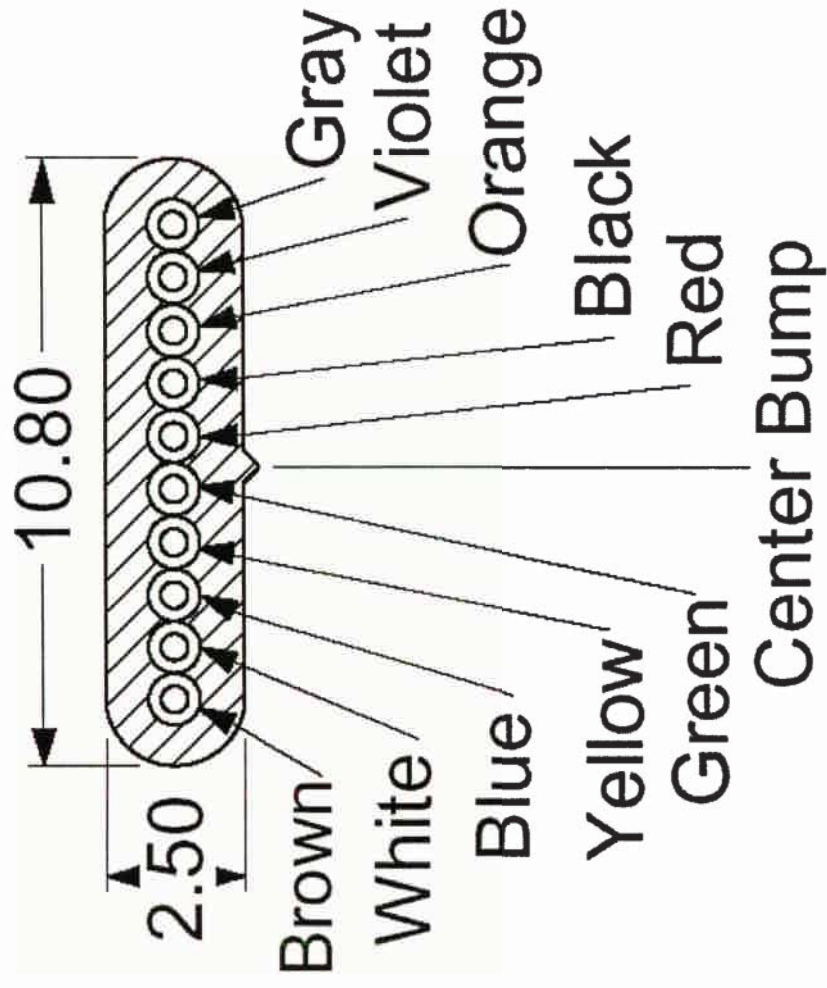
| ITEM | QTY | NFG. | IOI PART NO. | DESCRIPTION                                                                   |
|------|-----|------|--------------|-------------------------------------------------------------------------------|
| 2    | 1   | IOI  | 120-410-010  | MODULAR CABLE, 26 AWG (7/34) BARE COPPER, 4 CONDUCTOR, UNSHIELDED, BLACK PVC. |
| 1    | 1   | IOI  | 325-441-50X  | CONNECTOR, MODULAR PLUG, 4 POSITION, 4 CONDUCTOR, 50u" AU, FLAT TYPE EXIT.    |

| REV. | DATE     | BY | CHKD. | APP'D. |
|------|----------|----|-------|--------|
| X1   | 03/24/99 |    |       |        |

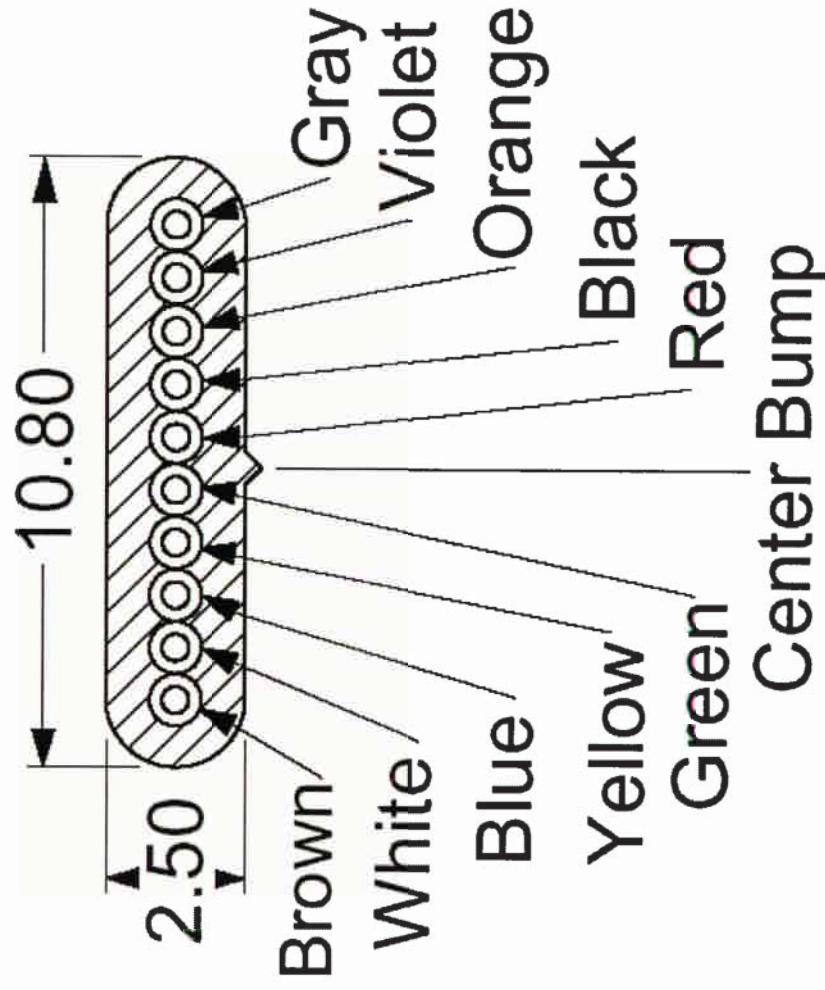
SCALE: NONE SHEET 1 OF 1



# View Ridge Up 10-Conductor Cable



# View Ridge Up 10-Conductor Cable



2.5 IN (7.62 FT) EXTENDED LENGTH MINIMUM

RETRACTED LENGTH "IN"  
+ 50.89/- 0.00 (+ 2.00/- 0.00)

100.00 ± 0.10  
(3.937 ± 0.004)

8 "IN"



## NOTES

**TRADING ENVIRONMENT SYSTEMS**

## 1. INTRODUCTION AND SPECIFICATIONS

ALL CONNECTIONS 26 AWG (2/12 mm)  
STRANDED BARE COPPER.

**UP INSULATION POLYPROPYLENE**

**UNIT COSTS PER CALLOUT**

SEE PACKAGING FOR PAGE 20

## 2.1. ELECTRICAL CHARACTERISTICS

200 TEMPERATURE, VOLTAGE RATING 80°C 30 V

1.00 CONDUCTIVITY RESISTANCE: 149 OHMS/KH MAX. AT 20°C

3.20 IN POWER ATTENTION RESISTANCE 100 MEGAOHMS/CM HDA AT 25°C

204 CAPACITANCE: 13 PF/FT CHAD

205 WATTAGE TEST AC-200V PER 1 HOUR

## MAIL VOUCHERS: ORDERING AND PACKAGING

3. USE CLEAR TAPE TO BUNDLE 25 CABLES TOGETHER AT THE MID SECTION.

3/2 PLACE PLASTIC BAG IN SHIPPING BOX AND LAY  
10 BUNDLE OR 250 PIECES MAX. PER SHIPPING BOX.  
CLOSE PLASTIC BAG AND SEAL BOX ALONG 3 SURFACES  
WITH TAPE.

[illegible]