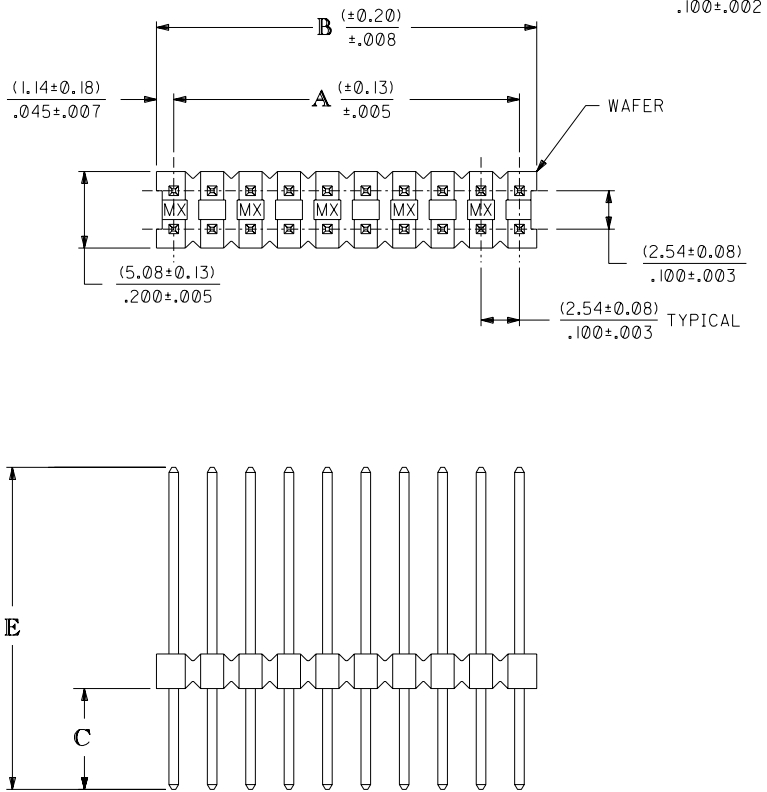
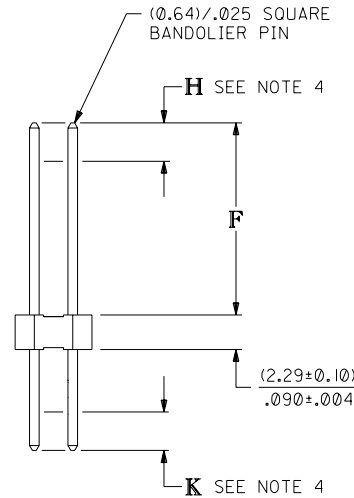




## RECOMMENDED P.C. BOARD LAYOUT



## NOTES:

- PIN PUSHOUT FORCE: 4 LBS. MINIMUM (IN EITHER DIRECTION)
- FOR ILLUSTRATION PURPOSES, 20 (DUAL 10) CIRCUIT SIZE IS SHOWN.
- PINS MUST MEET MOLEX SOLDERABILITY SPECIFICATION ES-152, EXCEPT VOIDS ARE PERMISSIBLE AT BANDOLIER PIN FAYING SURFACE (APPROX. .025 LONG X .006 WIDE REF.- 2 LOCATIONS).
- MEASURE POINT FOR PLATING THICKNESS.
- THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-8624.
- PACKAGING INFORMATION: (UNLESS OTHERWISE NOTED IN TABLES) PER PACKAGING DRAWING NO. PK-70873-0353 BULK PACKAGED IN BAGS

## MATERIAL:

WAFER - GLASS FILLED POLYESTER; UL94V-0; COLOR: BLACK  
PIN - PHOSPHOR BRONZE

## PLATING:

- TIN - .000150 MINIMUM TIN PLATE OVER .000050 MINIMUM NICKEL PLATE.
- 15 GOLD - .000015 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM NICKEL PLATE OVERALL.
- 30 GOLD - .000030 MINIMUM GOLD PLATE IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM NICKEL PLATE OVERALL.
- D30 GOLD - .000030 MINIMUM GOLD PLATE IN SELECT AREAS OVER .000050 MINIMUM NICKEL PLATE OVERALL.
- 5 GOLD - .000005 MINIMUM GOLD FLASH IN SELECT AREA, .000075 MINIMUM TIN PLATE IN SELECT AREA, OVER .000050 MINIMUM NICKEL PLATE OVERALL.

\*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC". CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH LEAD.

| CKT. SIZE | DIMENSION A |       | DIMENSION B |       |
|-----------|-------------|-------|-------------|-------|
|           | (MM)        | INCH  | (MM)        | INCH  |
| 4         | (2.54)      | .100  | (4.83)      | .190  |
| 6         | (5.08)      | .200  | (7.37)      | .290  |
| 8         | (7.62)      | .300  | (9.91)      | .390  |
| 10        | (10.16)     | .400  | (12.45)     | .490  |
| 12        | (12.70)     | .500  | (14.99)     | .590  |
| 14        | (15.24)     | .600  | (17.53)     | .690  |
| 16        | (17.78)     | .700  | (20.07)     | .790  |
| 18        | (20.32)     | .800  | (22.61)     | .890  |
| 20        | (22.86)     | .900  | (25.15)     | .990  |
| 22        | (25.40)     | 1.000 | (27.69)     | 1.090 |
| 24        | (27.94)     | 1.100 | (30.23)     | 1.190 |
| 26        | (30.48)     | 1.200 | (32.77)     | 1.290 |
| 28        | (33.02)     | 1.300 | (35.31)     | 1.390 |
| 30        | (35.56)     | 1.400 | (37.85)     | 1.490 |
| 32        | (38.10)     | 1.500 | (40.39)     | 1.590 |
| 34        | (40.64)     | 1.600 | (42.93)     | 1.690 |
| 36        | (43.18)     | 1.700 | (45.47)     | 1.790 |
| 38        | (45.72)     | 1.800 | (48.01)     | 1.890 |
| 40        | (48.26)     | 1.900 | (50.55)     | 1.990 |
| 42        | (50.80)     | 2.000 | (53.09)     | 2.090 |
| 44        | (53.34)     | 2.100 | (55.63)     | 2.190 |
| 46        | (55.88)     | 2.200 | (58.17)     | 2.290 |
| 48        | (58.42)     | 2.300 | (60.71)     | 2.390 |
| 50        | (60.96)     | 2.400 | (63.25)     | 2.490 |
| 52        | (63.50)     | 2.500 | (65.79)     | 2.590 |
| 54        | (66.04)     | 2.600 | (68.33)     | 2.690 |
| 56        | (68.58)     | 2.700 | (70.87)     | 2.790 |
| 58        | (71.12)     | 2.800 | (73.41)     | 2.890 |
| 60        | (73.66)     | 2.900 | (75.95)     | 2.990 |
| 62        | (76.20)     | 3.000 | (78.49)     | 3.090 |
| 64        | (78.74)     | 3.100 | (81.03)     | 3.190 |
| 66        | (81.28)     | 3.200 | (83.57)     | 3.290 |
| 68        | (83.82)     | 3.300 | (86.11)     | 3.390 |
| 70        | (86.36)     | 3.400 | (88.65)     | 3.490 |
| 72        | (88.90)     | 3.500 | (91.19)     | 3.590 |
| 74        | (91.44)     | 3.600 | (93.73)     | 3.690 |
| 76        | (93.98)     | 3.700 | (96.27)     | 3.790 |
| 78        | (96.52)     | 3.800 | (98.81)     | 3.890 |
| 80        | (99.06)     | 3.900 | (101.35)    | 3.990 |

|                                                                                                                        |                |                                                       |  |
|------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------|--|
| DIMENSIONS SHOWN (METRIC) INCH                                                                                         |                | UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2° |  |
| INCH                                                                                                                   |                | METRIC                                                |  |
| 3 PLACE                                                                                                                | ± .005         |                                                       |  |
| 2 PLACE                                                                                                                | ± .01          | ± 0.13                                                |  |
| 1 PLACE                                                                                                                |                | ± 0.25                                                |  |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                   |                |                                                       |  |
| DRWG. BY: EIK                                                                                                          | CHK'D. BY: AAB |                                                       |  |
| APP'D. BY: WAZ                                                                                                         | SCALE: 4 : 1   |                                                       |  |
| FILE NAME: 58624X1                                                                                                     |                | SHEET NO. 1 OF 7                                      |  |
| DATE: 11/30/88                                                                                                         |                | DATE: 11/30/88                                        |  |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                |                                                       |  |

| 7 | P |  |
|---|---|--|
| 6 | P |  |
| 5 | P |  |
| 4 | P |  |
| 3 | P |  |
| 2 | P |  |
| 1 | P |  |

| 7 | P |  |
|---|---|--|
| 6 | P |  |
| 5 | P |  |
| 4 | P |  |
| 3 | P |  |
| 2 | P |  |
| 1 | P |  |

| I3                              |               | I2                            |            | I1         |            | I0         |             | 9                     |            | 8                     |            | 7                                |             | 6          |            | 8624                  |            | 4                      |             | 3          |             | 2                                                                                             |            | 1                                  |      |
|---------------------------------|---------------|-------------------------------|------------|------------|------------|------------|-------------|-----------------------|------------|-----------------------|------------|----------------------------------|-------------|------------|------------|-----------------------|------------|------------------------|-------------|------------|-------------|-----------------------------------------------------------------------------------------------|------------|------------------------------------|------|
| ENGINEERING<br>NUMBER<br>A-8624 |               | RELEASE<br>FOR<br>MANUFACTURE |            |            |            |            |             | C<br>± (0.38)<br>.015 |            | E<br>± (0.25)<br>.010 |            | F<br>± (0.25)<br>.010            |             |            |            | CONNECTOR END PLATING |            | P.C. BOARD END PLATING |             |            |             | FOR PACKAGING<br>INFORMATION, SEE<br>NOTE 6, SHEET 1<br>(UNLESS OTHERWISE<br>SPECIFIED BELOW) |            |                                    |      |
|                                 |               |                               |            |            |            |            |             |                       |            |                       |            |                                  |             |            |            | TYPE                  |            | H<br>MEAS.             |             | TYPE       |             | K<br>MEAS.                                                                                    |            |                                    |      |
| -0561/-0600                     |               | R.F.M.                        |            |            |            |            |             | (4.70)<br>.185        |            | (15.11)<br>.595       |            | (8.13)<br>.320                   |             | 30 GOLD    |            | GOLD                  |            | (4.57)<br>.180         |             | TIN        |             | (1.27)<br>.050                                                                                |            |                                    |      |
|                                 |               |                               |            |            |            |            |             |                       |            |                       |            |                                  |             |            |            |                       |            |                        |             |            |             |                                                                                               |            |                                    |      |
| -0641/-0680                     |               | R.F.M.                        |            |            |            |            |             | (2.72)<br>.107        |            | (11.10)<br>.437       |            | (6.10)<br>.240                   |             | 5 GOLD     |            | GOLD                  |            | (2.54)<br>.100         |             | TIN        |             | (1.27)<br>.050                                                                                |            |                                    |      |
| -0681/-0720                     |               | R.F.M.                        |            |            |            |            |             | (5.64)<br>.222        |            | (15.75)<br>.620       |            | (7.82)<br>.308                   |             | TIN        |            | TIN                   |            | (2.54)<br>.100         |             | TIN        |             | (1.27)<br>.050                                                                                |            |                                    |      |
| -0721/-0760                     |               | R.F.M.                        |            |            |            |            |             | (0.56)<br>.022 MAX.   |            | (13.21)<br>.520       |            | (10.67)<br>.420 ± (0.13)<br>.005 |             | TIN        |            | TIN                   |            | (2.54)<br>.100         |             | N/A        |             | N/A<br>N/A                                                                                    |            | PK-70873-0688<br>ALL CIRCUIT SIZES |      |
| -0761/-0800                     |               |                               |            |            |            |            |             |                       |            |                       |            |                                  |             |            |            |                       |            |                        |             |            |             |                                                                                               |            |                                    |      |
| -0801/-0840                     |               |                               |            |            |            |            |             |                       |            |                       |            |                                  |             |            |            |                       |            |                        |             |            |             |                                                                                               |            |                                    |      |
|                                 |               |                               |            |            |            |            |             |                       |            |                       |            |                                  |             |            |            |                       |            |                        |             |            |             |                                                                                               |            |                                    |      |
| CKTS                            | EDP NUMBER    | ENG NUMBER                    | EDP NUMBER | ENG NUMBER | EDP NUMBER | ENG NUMBER | EDP NUMBER  | ENG NUMBER            | EDP NUMBER | ENG NUMBER            | EDP NUMBER | ENG NUMBER                       | EDP NUMBER  | ENG NUMBER | EDP NUMBER | ENG NUMBER            | EDP NUMBER | ENG NUMBER             | EDP NUMBER  | ENG NUMBER | EDP NUMBER  | ENG NUMBER                                                                                    | EDP NUMBER | ENG NUMBER                         | CKTS |
| 02                              | N.A.          | A-8624-0561                   |            |            |            | N.A.       | A-8624-0641 |                       | N.A.       | A-8624-0681           |            | N.A.                             | A-8624-0721 |            | N.A.       | A-8624-0761           |            | N.A.                   | A-8624-0801 |            | A-8624-0801 |                                                                                               | 02         |                                    |      |
| 04                              | 10-89-2044    | A-8624-0562                   |            |            |            | 10-89-9047 | A-8624-0642 |                       | 10-89-9048 | A-8624-0682           |            |                                  | A-8624-0722 |            |            | A-8624-0762           |            |                        | A-8624-0802 |            | A-8624-0802 |                                                                                               | 04         |                                    |      |
| 06                              | 10-89-2064    | A-8624-0563                   |            |            |            | 10-89-9067 | A-8624-0643 |                       | 10-89-9068 | A-8624-0683           |            |                                  | A-8624-0723 |            |            | A-8624-0763           |            |                        | A-8624-0803 |            | A-8624-0803 |                                                                                               | 06         |                                    |      |
| 08                              | 10-89-2084    | A-8624-0564                   |            |            |            | 10-89-9087 | A-8624-0644 |                       | 10-89-9088 | A-8624-0684           |            |                                  | A-8624-0724 |            |            | A-8624-0764           |            |                        | A-8624-0804 |            | A-8624-0804 |                                                                                               | 08         |                                    |      |
| 10                              | 10-89-2104    | A-8624-0565                   |            |            |            | 10-89-9107 | A-8624-0645 |                       | 10-89-9108 | A-8624-0685           |            |                                  | A-8624-0725 |            |            | A-8624-0765           |            |                        | A-8624-0805 |            | A-8624-0805 |                                                                                               | 10         |                                    |      |
| 12                              | 10-89-2124    | A-8624-0566                   |            |            |            | 10-89-9127 | A-8624-0646 |                       | 10-89-9128 | A-8624-0686           |            | 10-89-7124                       | A-8624-0726 |            |            | A-8624-0766           |            |                        | A-8624-0806 |            | A-8624-0806 |                                                                                               | 12         |                                    |      |
| 14                              | 10-89-2144    | A-8624-0567                   |            |            |            | 10-89-9147 | A-8624-0647 |                       | 10-89-9148 | A-8624-0687           |            |                                  | A-8624-0727 |            |            | A-8624-0767           |            |                        | A-8624-0807 |            | A-8624-0807 |                                                                                               | 14         |                                    |      |
| 16                              | 10-89-21IN    | A-8624-0568                   |            |            |            | 10-89-9167 | A-8624-0648 |                       | 10-89-9168 | A-8624-0688           |            |                                  | A-8624-0728 |            |            | A-8624-0768           |            |                        | A-8624-0808 |            | A-8624-0808 |                                                                                               | 16         |                                    |      |
| 18                              | 10-89-2184    | A-8624-0569                   |            |            |            | 10-89-9187 | A-8624-0649 |                       | 10-89-9188 | A-8624-0689           |            |                                  | A-8624-0729 |            |            | A-8624-0769           |            |                        | A-8624-0809 |            | A-8624-0809 |                                                                                               | 18         |                                    |      |
| 20                              | 10-89-2204    | A-8624-0570                   |            |            |            | 10-89-9207 | A-8624-0650 |                       | 10-89-9208 | A-8624-0690           |            |                                  | A-8624-0730 |            |            | A-8624-0770           |            |                        | A-8624-0810 |            | A-8624-0810 |                                                                                               | 20         |                                    |      |
| 22                              | 10-89-2224    | A-8624-0571                   |            |            |            | 10-89-9227 | A-8624-0651 |                       | 10-89-9228 | A-8624-0691           |            | 10-89-7224                       | A-8624-0731 |            |            | A-8624-0771           |            |                        | A-8624-0811 |            | A-8624-0811 |                                                                                               | 22         |                                    |      |
| 24                              | 10-89-2244    | A-8624-0572                   |            |            |            | 10-89-9247 | A-8624-0652 |                       | 10-89-9248 | A-8624-0692           |            |                                  | A-8624-0732 |            |            | A-8624-0772           |            |                        | A-8624-0812 |            | A-8624-0812 |                                                                                               | 24         |                                    |      |
| 26                              | 10-89-2264    | A-8624-0573                   |            |            |            | 10-89-9267 | A-8624-0653 |                       | 10-89-9268 | A-8624-0693           |            |                                  | A-8624-0733 |            |            | A-8624-0773           |            |                        | A-8624-0813 |            | A-8624-0813 |                                                                                               | 26         |                                    |      |
| 28                              | 10-89-2284    | A-8624-030 GOLD               |            |            |            | 10-89-9287 | A-8624-0654 |                       | 10-89-9288 | A-8624-0694           |            |                                  | A-8624-0734 |            |            | A-8624-0774           |            |                        | A-8624-0814 |            | A-8624-0814 |                                                                                               | 28         |                                    |      |
| 30                              | 10-89-2304    | A-8624-0575                   |            |            |            | 10-89-9307 | A-8624-0655 |                       | 10-89-9308 | A-8624-0695           |            |                                  | A-8624-0735 |            |            | A-8624-0775           |            |                        | A-8624-0815 |            | A-8624-0815 |                                                                                               | 30         |                                    |      |
| 32                              | 10-89-2324    | A-8624-0576                   |            |            |            | 10-89-9327 | A-8624-0656 |                       | 10-89-9328 | A-8624-0696           |            |                                  | A-8624-0736 |            |            | A-8624-0776           |            |                        | A-8624-0816 |            | A-8624-0816 |                                                                                               | 32         |                                    |      |
| 34                              | 10-89-2344    | A-8624-0577                   |            |            |            | 10-89-9347 | A-8624-0657 |                       | 10-89-9348 | A-8624-0697           |            |                                  | A-8624-0737 |            |            | A-8624-0777           |            |                        | A-8624-0817 |            | A-8624-0817 |                                                                                               | 34         |                                    |      |
| 36                              | 10-89-2364    | A-8624-0578                   |            |            |            | 10-89-9367 | A-8624-0658 |                       | 10-89-9368 | A-8624-0698           |            |                                  | A-8624-0738 |            |            | A-8624-0778           |            |                        | A-8624-0818 |            | A-8624-0818 |                                                                                               | 36         |                                    |      |
| 38                              | 10-89-2384    | A-8624-0579                   |            |            |            | 10-89-9387 | A-8624-0659 |                       | 10-89-9388 | A-8624-0699           |            |                                  | A-8624-0739 |            |            | A-8624-0779           |            |                        | A-8624-0819 |            | A-8624-0819 |                                                                                               | 38         |                                    |      |
| 40                              | 10-89-2404    | A-8624-0580                   |            |            |            | 10-89-9407 | A-8624-0660 |                       | 10-89-9408 | A-8624-0700           |            |                                  | A-8624-0740 |            |            | A-8624-0780           |            |                        | A-8624-0820 |            | A-8624-0820 |                                                                                               | 40         |                                    |      |
| 42                              | 10-89-2424    | A-8624-0581                   |            |            |            | 10-89-9427 | A-8624-0661 |                       | 10-89-9428 | A-8624-0701           |            |                                  | A-8624-0741 |            |            | A-8624-0781           |            |                        | A-8624-0821 |            | A-8624-0821 |                                                                                               | 42         |                                    |      |
| 44                              | 10-89-2444    | A-8624-0582                   |            |            |            | 10-89-9447 | A-8624-0662 |                       | 10-89-9448 | A-8624-0702           |            |                                  | A-8624-0742 |            |            | A-8624-0782           |            |                        | A-8624-0822 |            | A-8624-0822 |                                                                                               | 44         |                                    |      |
| 46                              | 10-89-2464    | A-8624-0583                   |            |            |            | 10-89-9467 | A-8624-0663 |                       | 10-89-9468 | A-8624-0703           |            |                                  | A-8624-0743 |            |            | A-8624-0783           |            |                        | A-8624-0823 |            | A-8624-0823 |                                                                                               | 46         |                                    |      |
| 48                              | 10-89-2484    | A-8624-0584                   |            |            |            | 10-89-9487 | A-8624-0664 |                       | 10-89-9488 | A-8624-0704           |            |                                  | A-8624-0744 |            |            | A-8624-0784           |            |                        | A-8624-0824 |            | A-8624-0824 |                                                                                               | 48         |                                    |      |
| 50                              | 10-89-2504    | A-8624-0585                   |            |            |            | 10-89-9507 | A-8624-0665 |                       | 10-89-9508 | A-8624-0705           |            |                                  | A-8624-0745 |            |            | A-8624-0785           |            |                        | A-8624-0825 |            | A-8624-0825 |                                                                                               | 50         |                                    |      |
| 52                              | 10-89-2524    | A-8624-0586                   |            |            |            | 10-89-9527 | A-8624-0666 |                       | 10-89-9528 | A-8624-0706           |            |                                  | A-8624-0746 |            |            | A-8624-0786           |            |                        | A-8624-0826 |            | A-8624-0826 |                                                                                               | 52         |                                    |      |
| 54                              | 10-89-25 GOLD | A-8624-0587                   |            |            |            | 10-89-9547 | A-8624-0667 |                       | 10-89-9548 | A-8624-0707           |            |                                  | A-8624-0747 |            |            | A-8624-0787           |            |                        | A-8624-0827 |            | A-8624-0827 |                                                                                               | 54         |                                    |      |
| 56                              | 10-89-2564    | A-8624-0588                   |            |            |            | 10-89-9567 | A-8624-0668 |                       | 10-89-9568 | A-8624-0708           |            |                                  | A-8624-0748 |            |            | A-8624-0788           |            |                        | A-8624-0828 |            | A-8624-0828 |                                                                                               | 56         |                                    |      |
| 58                              | 10-89-2584    | A-8624-0589                   |            |            |            | 10-89-9587 | A-8624-0669 |                       | 10-89-9588 | A-8624-0709           |            |                                  | A-8624-0749 |            |            | A-8624-0789           |            |                        | A-8624-0829 |            | A-8624-0829 |                                                                                               | 58         |                                    |      |
| 60                              | 10-89-2604    | A-8624-0590                   |            |            |            | 10-89-9607 | A-8624-0670 |                       | 10-89-9608 | A-8624-0710           |            |                                  | A-8624-0750 |            |            | A-8624-0790           |            |                        | A-8624-0830 |            | A-8624-0830 |                                                                                               | 60         |                                    |      |
| 62                              | 10-89-2624    | A-8624-0591                   |            |            |            | 10-89-9627 | A-8624-0671 |                       | 10-89-9628 | A-8624-0711           |            |                                  | A-8624-0751 |            |            | A-8624-0791           |            |                        | A-8624-0831 |            | A-8624-0831 |                                                                                               | 62         |                                    |      |
| 64                              | 10-89-2644    | A-8624-0592                   |            |            |            | 10-89-9647 | A-8624-0672 |                       | 10-89-9648 | A-8624-0712           |            |                                  | A-8624-0752 |            |            | A-8624-0792           |            |                        | A-8624-0832 |            | A-8624-0832 |                                                                                               | 64         |                                    |      |
| 66                              | 10-89-2664    | A-8624-0593                   |            |            |            | 10-89-9667 | A-8624-0673 |                       | 10-89-9668 | A-8624-0713           |            |                                  | A-8624-0753 |            |            | A-8624-0793           |            |                        | A-8624-0833 |            | A-8624-0833 |                                                                                               | 66         |                                    |      |
| 68                              | 10-89-2684    | A-8624-0594                   |            |            |            | 10-89-9687 | A-8624-0674 |                       | 10-89-9688 | A-8624-0714           |            |                                  | A-8624-0754 |            |            | A-8624-0794           |            |                        | A-8624-0834 |            | A-8624-0834 |                                                                                               | 68         |                                    |      |
| 70                              | 10-89-2704    | A-8624-0595                   |            |            |            | 10-89-9707 | A-8624-0675 |                       | 10-89-9708 | A-8624-0715           |            |                                  | A-8624-0755 |            |            | A-8624-0795           |            |                        | A-8624-0835 |            | A-8624-0835 |                                                                                               | 70         |                                    |      |
| 72                              | 10-89-2724    | A-8624-0596                   |            |            |            | 10-89-9727 | A-8624-0676 |                       | 10-89-9728 | A-8624-0716           |            |                                  | A-8624-0756 |            |            | A-8624-0796           |            |                        | A-8624-0836 |            | A-8624-0836 |                                                                                               | 72         |                                    |      |
| 74                              | 10-89-2744    | A-8624-0597                   |            |            |            | 10-89-9747 | A-8624-0677 |                       | 10-89-9748 | A-8624-0717           |            |                                  | A-8624-0757 |            |            | A-8624-0797           |            |                        | A-8624-0837 |            | A-8624-0837 |                                                                                               | 74         |                                    |      |
| 76                              | 10-89-2764    | A-8624-0598                   |            |            |            | 10-89-9767 | A-8624-0678 |                       | 10-89-9768 | A-8624-0718           |            |                                  | A-8624-0758 |            |            | A-8624-0798           |            |                        | A-8624-0838 |            | A-8624-0838 |                                                                                               | 76         |                                    |      |
| 78                              | 10-89-2784    | A-8624-0599                   |            |            |            | 10-89-9787 | A-8624-0679 |                       | 10-89-9788 | A-8624-0719           |            |                                  | A-8624-0759 |            |            | A-8624-0799           |            |                        | A-8624-0839 |            | A-8624-0839 |                                                                                               | 78         |                                    |      |
| 80                              | 10            |                               |            |            |            |            |             |                       |            |                       |            |                                  |             |            |            |                       |            |                        |             |            |             |                                                                                               |            |                                    |      |