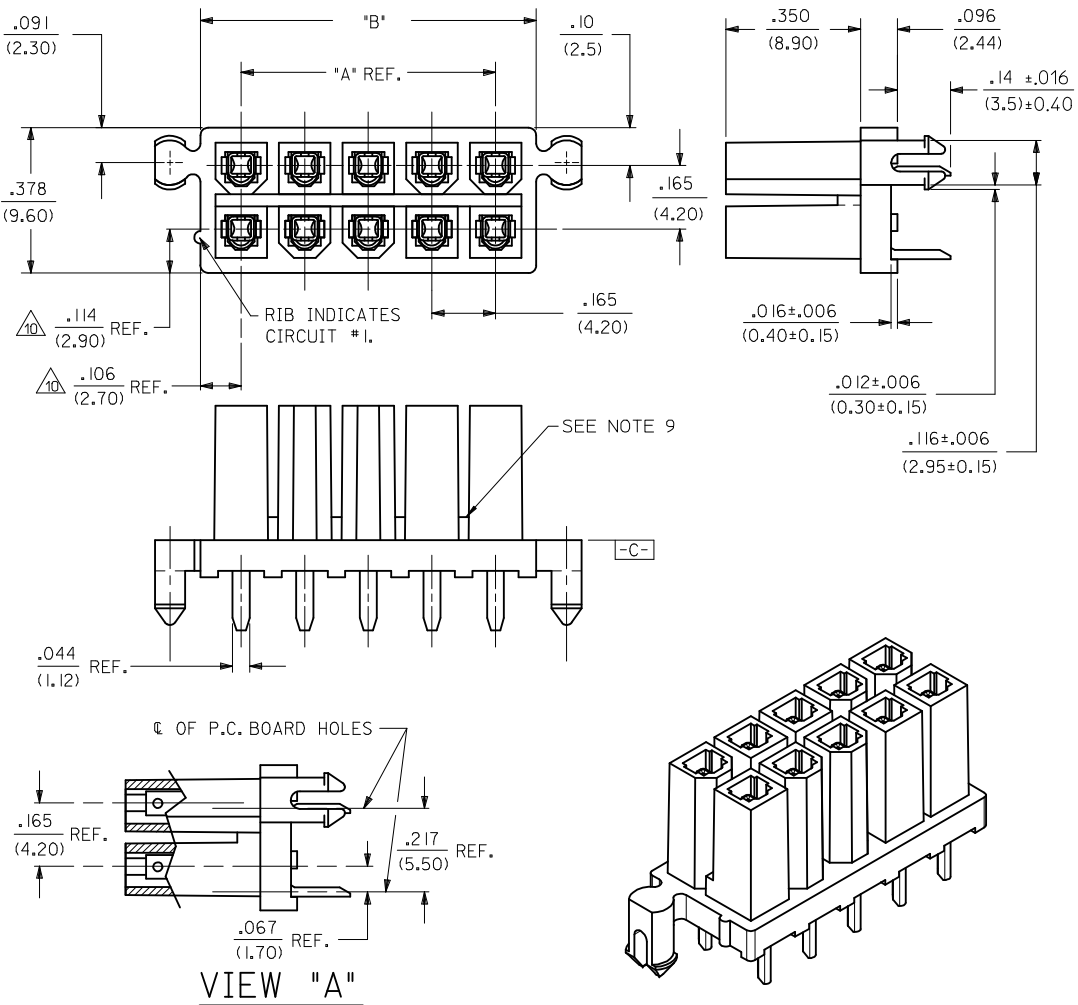


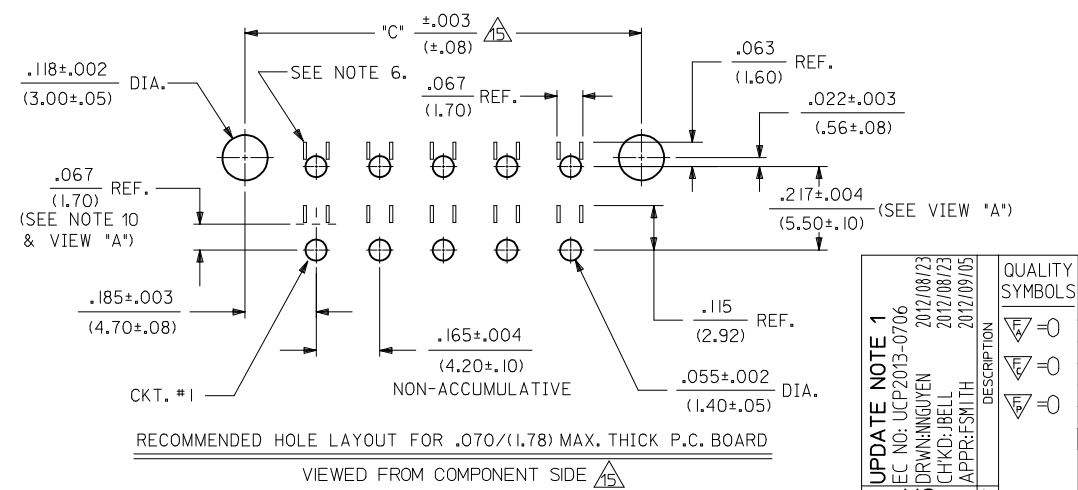


NOTES:

- 1) HOUSING AND TERMINAL MATERIAL:  
A - HOUSING : NYLON 6/6, UNFILLED U.L. 94V-2, COLOR NATURAL. TERMINAL: BRASS.  
B - HOUSING : NYLON 6/6, UNFILLED U.L. 94V-0, COLOR NATURAL. TERMINAL: BRASS.  
C - HOUSING : NYLON 6/6, UNFILLED U.L. 94V-2, COLOR NATURAL. TERMINAL: PHOS. BRONZE.  
D - HOUSING : NYLON 6/6, UNFILLED U.L. 94V-0, COLOR NATURAL. TERMINAL: PHOS. BRONZE.
- 2) TERMINAL PLATING:  
1 - .000100/(.00254) MIN. MATTE TIN OVER .000050/(.00127) MIN. NICKEL.  
2 - .000030/(.00076) MIN. SELECT GOLD AND .000100/(.00254) MIN. SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL.  
4 - .000050/(.00127) MIN. SELECT GOLD AND .000100/(.00254) MIN. SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL.
- 3) PRODUCT SPECIFICATION: PS-5556-002.
- 4) TRAY PACK PER PK-42385-999.
- 5) PART MATES WITH MINI-FIT B.M.I. PLUG #42475 AND HEADERS 42404,42440,43810,43879, AND 44068
- 6) PHANTOM LINES INDICATE AREAS WHERE TERMINAL STANDOFFS CONTACT P.C. BOARD.
- 7) A MAXIMUM TOLERANCE OF .050/(1.27) ALLOWS FOR 2 POINTS OF ELECTRICAL CONTACT. A MAXIMUM TOLERANCE OF .020/(.51) ALLOWS FOR 4 POINTS OF CONTACT.
- 8) .016 IN/IN OR .016 MM/MM MAX. BOW ALLOWABLE AT DATUM  $\square$ -C-.
- 9) RIB MAY NOT BE PRESENT ON ALL PARTS.
- 10) DIMENSION TO BE USED FOR ALIGNMENT OF CIRCUIT #1 OF MATING CONNECTOR
- 11) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
- 12) PARTS NOT DESIGNED FOR CURRENT SHARING.
- 13) WHEN THIS PRODUCT IS USED IN A BLIND MATING APPLICATION, THE SYSTEM LEVEL DESIGN MUST INCORPORATE GUIDANCE SO THE CONNECTORS ARE WITHIN THE CAPTURE ENVELOPE (UP TO (.100/2.54) MISALIGNMENT) OF THE FLANGES ON THE HEADER OR PLUG HOUSING AND CAN THUS ALIGN THEMSELVES AS THEY COME TOGETHER. FLOAT IS ALSO REQUIRED IN THE OVERALL DESIGN, TO ALLOW THE PCB RECEPTACLE OR IT'S MATE TO MOVE INTO A STRESS-FREE POSITION AFTER MATING. IN BOARD TO BOARD APPLICATIONS, ONLY ONE HEADER IS ALLOWED PER P.C. BOARD.
- 14) PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
- 15) IT IS RECOMMENDED TO USE THE 42475 SERIES MATING PART NUMBER WITHOUT TERMINALS TO AID IN PCB INSERTION. INSERT THE 42385 PART INTO THE 42475 PART AND THEN INSERT INTO THE PCB.

| CIRCUIT SIZE | DIM. "A"         | DIM. "B"       | DIM. "C"         |
|--------------|------------------|----------------|------------------|
| 2            | —                | .21<br>(5.4)   | .370<br>(9.40)   |
| 4            | .165<br>(4.20)   | .38<br>(9.6)   | .535<br>(13.60)  |
| 6            | .331<br>(8.40)   | .54<br>(13.8)  | .701<br>(17.80)  |
| 8            | .496<br>(12.60)  | .71<br>(18.0)  | .866<br>(22.00)  |
| 10           | .661<br>(16.80)  | .87<br>(22.2)  | 1.031<br>(26.20) |
| 12           | .827<br>(21.00)  | 1.04<br>(26.4) | 1.197<br>(30.40) |
| 14           | .992<br>(25.20)  | 1.20<br>(30.6) | 1.362<br>(34.60) |
| 16           | 1.157<br>(29.40) | 1.37<br>(34.8) | 1.528<br>(38.80) |
| 18           | 1.323<br>(33.60) | 1.54<br>(39.0) | 1.693<br>(43.00) |
| 20           | 1.488<br>(37.80) | 1.70<br>(43.2) | 1.858<br>(47.20) |
| 22           | 1.654<br>(42.00) | 1.87<br>(47.4) | 2.024<br>(51.40) |
| 24           | 1.819<br>(46.20) | 2.03<br>(51.6) | 2.189<br>(55.60) |

VIEW "A"



LEGEND:

A - 42385 - \*\* \*

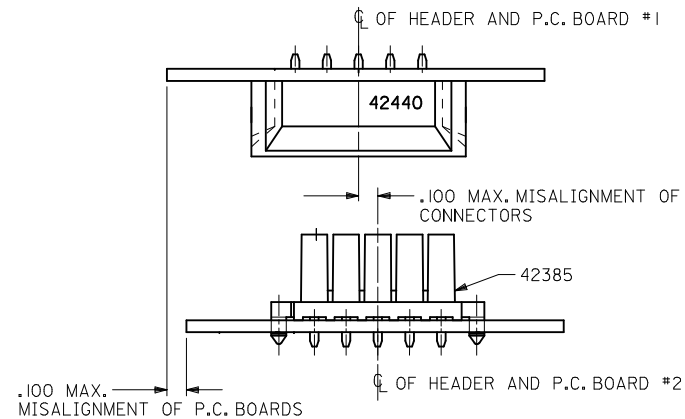
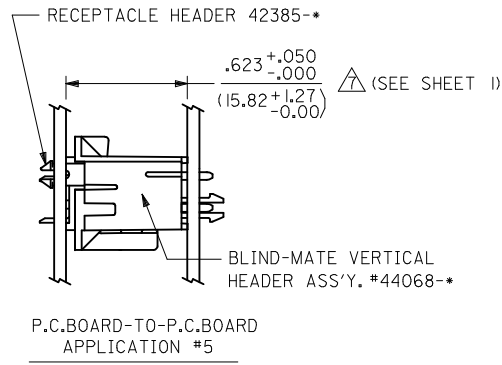
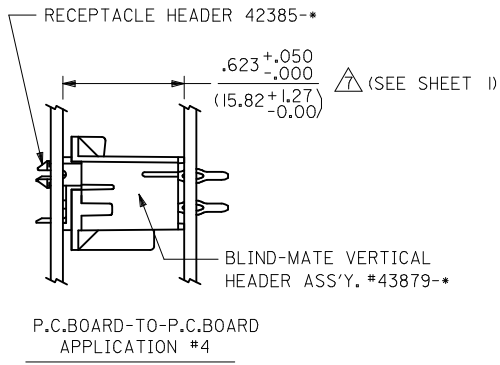
BASE NUMBER

CIRCUIT SIZE (02-24)

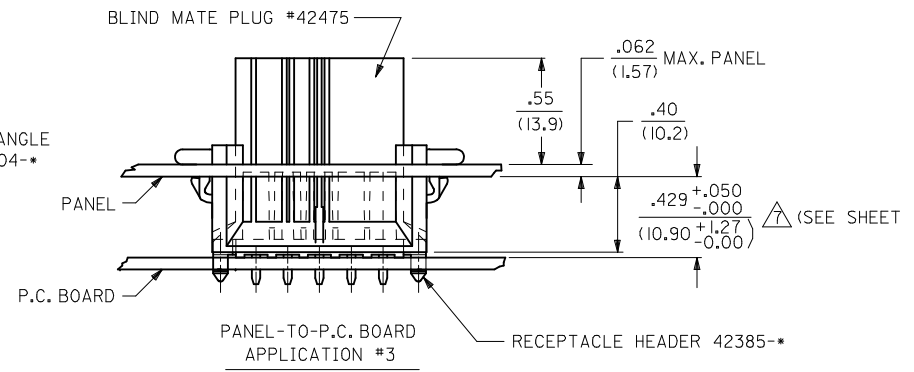
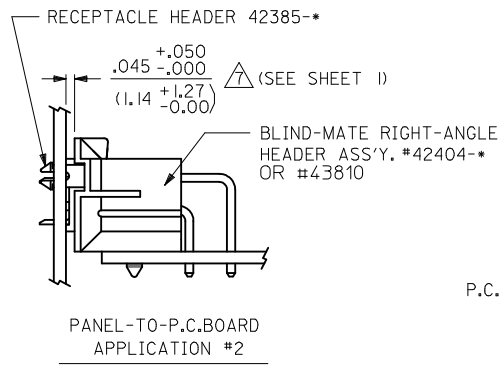
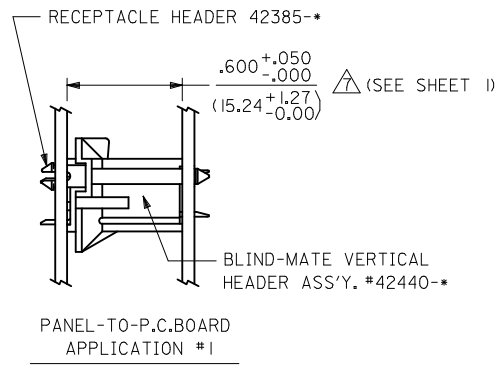
HOUSING AND TERMINAL MATERIAL (SEE NOTE 1.)

PLATING (SEE NOTE 2.)

|                                                                                                                                  |                                                                                                                                  |                                                                 |                                       |        |                          |                                                            |                    |                                                                                  |                                    |  |  |                            |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------|--------|--------------------------|------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------|------------------------------------|--|--|----------------------------|
| UPDATE NOTE 1<br>EC NO: UCP2013-0706<br>2012/08/23<br>DRAWN: NGUYEN<br>CHKD: J.BELL<br>2012/08/23<br>APPR: F.SMITH<br>2012/09/05 | DESCRIPTION                                                                                                                      | QUALITY SYMBOLS<br><div>▽=0</div> <div>▽=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED) |        | DIMENSION STYLE<br>IN/MM |                                                            | SCALE<br>4:1       | DESIGN UNITS<br>METRIC                                                           | THIRD ANGLE<br>PROJECTION          |  |  |                            |
|                                                                                                                                  |                                                                                                                                  |                                                                 |                                       | mm     | INCH                     | DRAWN BY<br>R JF                                           | DATE<br>1988/12/09 | TITLE<br>RECEPTACLE HEADER ASSY<br>MINI-FIT SERIES<br>BLIND MATE<br><b>molex</b> |                                    |  |  |                            |
|                                                                                                                                  |                                                                                                                                  |                                                                 | 4 PLACES                              | ± ---  | ± ---                    | CHECKED BY<br>JTR                                          | DATE<br>1988/12/09 |                                                                                  |                                    |  |  |                            |
|                                                                                                                                  |                                                                                                                                  |                                                                 | 3 PLACES                              | ± ---  | ± .010                   | APPROVED BY<br>FSMITH                                      | DATE<br>2010/11/22 |                                                                                  |                                    |  |  |                            |
|                                                                                                                                  |                                                                                                                                  |                                                                 | 2 PLACES                              | ± .025 | ± .015                   | MATERIAL NO.<br><b>SEE SHT 3-4</b>                         |                    |                                                                                  | DOCUMENT NO.<br><b>SDA-42385-*</b> |  |  | SHEET NO.<br><b>1 OF 4</b> |
|                                                                                                                                  |                                                                                                                                  |                                                                 | 1 PLACE                               | ± 0.38 | ± ---                    |                                                            |                    |                                                                                  |                                    |  |  |                            |
|                                                                                                                                  |                                                                                                                                  |                                                                 | 0 PLACE                               | ±      | ±                        | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                    |                                                                                  |                                    |  |  |                            |
| REV                                                                                                                              | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                 |                                       |        |                          |                                                            |                    |                                                                                  |                                    |  |  |                            |



ALIGNMENT TOLERANCES FOR .100 MAX. BOARD-TO-BOARD MISALIGNMENT  
(NO CONNECTOR FLOAT)



SEE NOTE 13

|                                                                                                           |     |             |                 |                                                            |        |        |                           |                    |                                                                                                                                  |                        |                        |                                                                                                                 |                     |  |
|-----------------------------------------------------------------------------------------------------------|-----|-------------|-----------------|------------------------------------------------------------|--------|--------|---------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------|--|
| SEE SHEET 1<br>EC NO: UCP2013-0706<br>2012/08/23<br>DRW:NGUYEN<br>CHKD:JBELL<br>APPR:FSMITH<br>2012/09/05 | REV | DESCRIPTION | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        |        | DIMENSION STYLE<br>IN/MM  |                    | SCALE<br>4:1                                                                                                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION | TITLE<br>RECEPTACLE HEADER ASSY<br>MINI-FIT SERIES<br>BLIND MATE<br><b>molex</b><br>SDA-42385-*<br>DOCUMENT NO. | SHEET NO.<br>2 OF 4 |  |
|                                                                                                           |     |             |                 |                                                            |        |        |                           |                    |                                                                                                                                  |                        |                        |                                                                                                                 |                     |  |
|                                                                                                           |     |             |                 | mm                                                         |        |        | INCH                      |                    |                                                                                                                                  |                        |                        |                                                                                                                 |                     |  |
|                                                                                                           |     |             |                 | 4 PLACES                                                   | ± ---  | ± ---  | DRAWN BY<br>RJF           | DATE<br>1988/12/09 |                                                                                                                                  |                        |                        |                                                                                                                 |                     |  |
|                                                                                                           |     |             |                 | 3 PLACES                                                   | ± ---  | ± .010 | CHECKED BY<br>JTR         | DATE<br>1988/12/09 |                                                                                                                                  |                        |                        |                                                                                                                 |                     |  |
|                                                                                                           |     |             |                 | 2 PLACES                                                   | ± 0.25 | ± .015 | APPROVED BY<br>FSMITH     | DATE<br>2010/11/22 |                                                                                                                                  |                        |                        |                                                                                                                 |                     |  |
|                                                                                                           |     |             |                 | 1 PLACE                                                    | ± 0.38 | ± ---  |                           |                    |                                                                                                                                  |                        |                        |                                                                                                                 |                     |  |
|                                                                                                           |     |             |                 | 0 PLACE                                                    | ±      | ±      |                           |                    |                                                                                                                                  |                        |                        |                                                                                                                 |                     |  |
|                                                                                                           |     |             |                 | ANGULAR ± 5 °                                              |        |        | MATERIAL NO.<br>SEE CHART |                    |                                                                                                                                  |                        |                        |                                                                                                                 |                     |  |
|                                                                                                           |     |             |                 | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |        | SIZE C                    |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                        |                                                                                                                 |                     |  |

SEE SHEET 1  
EC NO: UCP2013-0706  
2012/08/23  
DRWN:NGUYEN  
CHKD:JBELL  
2012/08/23  
APPR:FSMITH  
2012/09/05

DESCRIPTION

REV

QUALITY SYMBOLS

▽

○

▽

○

▽

○

ANGULAR ± 5 °

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

GENERAL TOLERANCES  
(UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± .010

2 PLACES ± 0.25 ± .015

1 PLACE ± 0.38 ± ---

0 PLACE ± ±

DIMENSION STYLE

IN/MM

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

FSMITH 2010/11/22

RECEPTACLE HEADER ASSY  
MINI-FIT SERIES  
BLIND MATE

molex

SDA-42385-\*

3 OF 4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX  
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

| PART NUMBER | ENG. NUMBER  | CKT. SIZE | HSG./TERM. MATERIAL | TERMINAL PLATING      |
|-------------|--------------|-----------|---------------------|-----------------------|
| NO E.D.P.   | A-42385-02A1 | 2         | 94V-2/BRASS         | MATTE TIN OVER NICKEL |
| I5-24-7040  | ▲ -04A1      | 4         |                     | ▲                     |
| I5-24-7060  | -06A1        | 6         |                     |                       |
| NO E.D.P.   | -08A1        | 8         |                     |                       |
| I5-24-7100  | -10A1        | 10        |                     |                       |
| NO E.D.P.   | -12A1        | 12        |                     |                       |
| I5-24-7140  | -14A1        | 14        |                     |                       |
| I5-24-7160  | -16A1        | 16        |                     |                       |
| I5-24-7180  | -18A1        | 18        |                     |                       |
| NO E.D.P.   | -20A1        | 20        |                     |                       |
| NO E.D.P.   | ▼ -22A1      | 22        | ▼                   | ▼                     |
| I5-24-7240  | A-42385-24A1 | 24        | 94V-2/BRASS         | MATTE TIN OVER NICKEL |
| NO E.D.P.   | A-42385-02A2 | 2         | 94V-2/BRASS         | 30 M.I. SEL. GOLD     |
| I5-24-7042  | ▲ -04A2      | 4         | ▲                   | ▲                     |
| I5-24-7062  | -06A2        | 6         |                     |                       |
| NO E.D.P.   | -08A2        | 8         |                     |                       |
| I5-24-7102  | -10A2        | 10        |                     |                       |
| NO E.D.P.   | -12A2        | 12        |                     |                       |
| I5-24-7142  | -14A2        | 14        |                     |                       |
| I5-24-7162  | -16A2        | 16        |                     |                       |
| I5-24-7182  | -18A2        | 18        |                     |                       |
| NO E.D.P.   | -20A2        | 20        |                     |                       |
| NO E.D.P.   | ▼ -22A2      | 22        | ▼                   | ▼                     |
| I5-24-7242  | A-42385-24A2 | 24        | 94V-2/BRASS         | 30 M.I. SEL. GOLD     |
| NO E.D.P.   | A-42385-02C1 | 2         | 94V-2/P.B.          | MATTE TIN OVER NICKEL |
| I5-24-7044  | ▲ -04C1      | 4         | ▲                   | ▲                     |
| I5-24-7064  | -06C1        | 6         |                     |                       |
| NO E.D.P.   | -08C1        | 8         |                     |                       |
| I5-24-7104  | -10C1        | 10        |                     |                       |
| NO E.D.P.   | -12C1        | 12        |                     |                       |
| I5-24-7144  | -14C1        | 14        |                     |                       |
| NO E.D.P.   | -16C1        | 16        |                     |                       |
| I5-24-7184  | -18C1        | 18        |                     |                       |
| NO E.D.P.   | -20C1        | 20        |                     |                       |
| NO E.D.P.   | ▼ -22C1      | 22        | ▼                   | ▼                     |
| I5-24-7244  | A-42385-24C1 | 24        | 94V-2/P.B.          | MATTE TIN OVER NICKEL |
| NO E.D.P.   | A-42385-02C2 | 2         | 94V-2/P.B.          | 30 M.I. SEL. GOLD     |
| NO E.D.P.   | ▲ -04C2      | 4         | ▲                   | ▲                     |
| NO E.D.P.   | -06C2        | 6         |                     |                       |
| NO E.D.P.   | -08C2        | 8         |                     |                       |
| NO E.D.P.   | -10C2        | 10        |                     |                       |
| NO E.D.P.   | -12C2        | 12        |                     |                       |
| NO E.D.P.   | -14C2        | 14        |                     |                       |
| NO E.D.P.   | -16C2        | 16        |                     |                       |
| NO E.D.P.   | -18C2        | 18        |                     |                       |
| NO E.D.P.   | -20C2        | 20        |                     |                       |
| NO E.D.P.   | ▼ -22C2      | 22        | ▼                   | ▼                     |
| NO E.D.P.   | A-42385-24C2 | 24        | 94V-2/P.B.          | 30 M.I. SEL. GOLD     |

| PART NUMBER | ENG. NUMBER  | CKT. SIZE | HSG./TERM. MATERIAL | TERM. PLATING         |
|-------------|--------------|-----------|---------------------|-----------------------|
| NO E.D.P.   | A-42385-02B1 | 2         | 94V-0,BRASS         | MATTE TIN OVER NICKEL |
| I5-24-7041  | ▲ -04B1      | 4         |                     | ▲                     |
| I5-24-7061  | -06B1        | 6         |                     |                       |
| NO E.D.P.   | -08B1        | 8         |                     |                       |
| I5-24-7101  | -10B1        | 10        |                     |                       |
| NO E.D.P.   | -12B1        | 12        |                     |                       |
| I5-24-7141  | -14B1        | 14        |                     |                       |
| I5-24-7161  | -16B1        | 16        |                     |                       |
| I5-24-7181  | -18B1        | 18        |                     |                       |
| NO E.D.P.   | -20B1        | 20        |                     |                       |
| NO E.D.P.   | ▼ -22B1      | 22        | ▼                   | ▼                     |
| I5-24-7241  | A-42385-24B1 | 24        | 94V-0,BRASS         | MATTE TIN OVER NICKEL |
| NO E.D.P.   | A-42385-02B2 | 2         | 94V-0,BRASS         | 30 M.I. SEL. GOLD     |
| I5-24-7043  | ▲ -04B2      | 4         | ▲                   | ▲                     |
| I5-24-7063  | -06B2        | 6         |                     |                       |
| NO E.D.P.   | -08B2        | 8         |                     |                       |
| I5-24-7103  | -10B2        | 10        |                     |                       |
| NO E.D.P.   | -12B2        | 12        |                     |                       |
| I5-24-7143  | -14B2        | 14        |                     |                       |
| I5-24-7163  | -16B2        | 16        |                     |                       |
| I5-24-7183  | -18B2        | 18        |                     |                       |
| NO E.D.P.   | -20B2        | 20        |                     |                       |
| NO E.D.P.   | ▼ -22B2      | 22        | ▼                   | ▼                     |
| I5-24-7243  | A-42385-24B2 | 24        | 94V-0,BRASS         | 30 M.I. SEL. GOLD     |
| NO E.D.P.   | A-42385-02D1 | 2         | 94V-0/P.B.          | MATTE TIN OVER NICKEL |
| NO E.D.P.   | ▲ -04D1      | 4         | ▲                   | ▲                     |
| NO E.D.P.   | -06D1        | 6         |                     |                       |
| NO E.D.P.   | -08D1        | 8         |                     |                       |
| I5-24-7105  | -10D1        | 10        |                     |                       |
| NO E.D.P.   | -12D1        | 12        |                     |                       |
| NO E.D.P.   | -14D1        | 14        |                     |                       |
| NO E.D.P.   | -16D1        | 16        |                     |                       |
| NO E.D.P.   | -18D1        | 18        |                     |                       |
| NO E.D.P.   | -20D1        | 20        |                     |                       |
| NO E.D.P.   | ▼ -22D1      | 22        | ▼                   | ▼                     |
| NO E.D.P.   | A-42385-24D1 | 24        | 94V-0/P.B.          | MATTE TIN OVER NICKEL |
| NO E.D.P.   | A-42385-02D2 | 2         | 94V-0/P.B.          | 30 M.I. SEL. GOLD     |
| NO E.D.P.   | ▲ -04D2      | 4         | ▲                   | ▲                     |
| I5-24-7067  | -06D2        | 6         |                     |                       |
| NO E.D.P.   | -08D2        | 8         |                     |                       |
| I5-24-7107  | -10D2        | 10        |                     |                       |
| NO E.D.P.   | -12D2        | 12        |                     |                       |
| NO E.D.P.   | -14D2        | 14        |                     |                       |
| NO E.D.P.   | -16D2        | 16        |                     |                       |
| I5-24-7187  | -18D2        | 18        |                     |                       |
| NO E.D.P.   | -20D2        | 20        |                     |                       |
| NO E.D.P.   | ▼ -22D2      | 22        | ▼                   | ▼                     |
| I5-24-7247  | A-42385-24D2 | 24        | 94V-0/P.B.          | 30 M.I. SEL. GOLD     |

