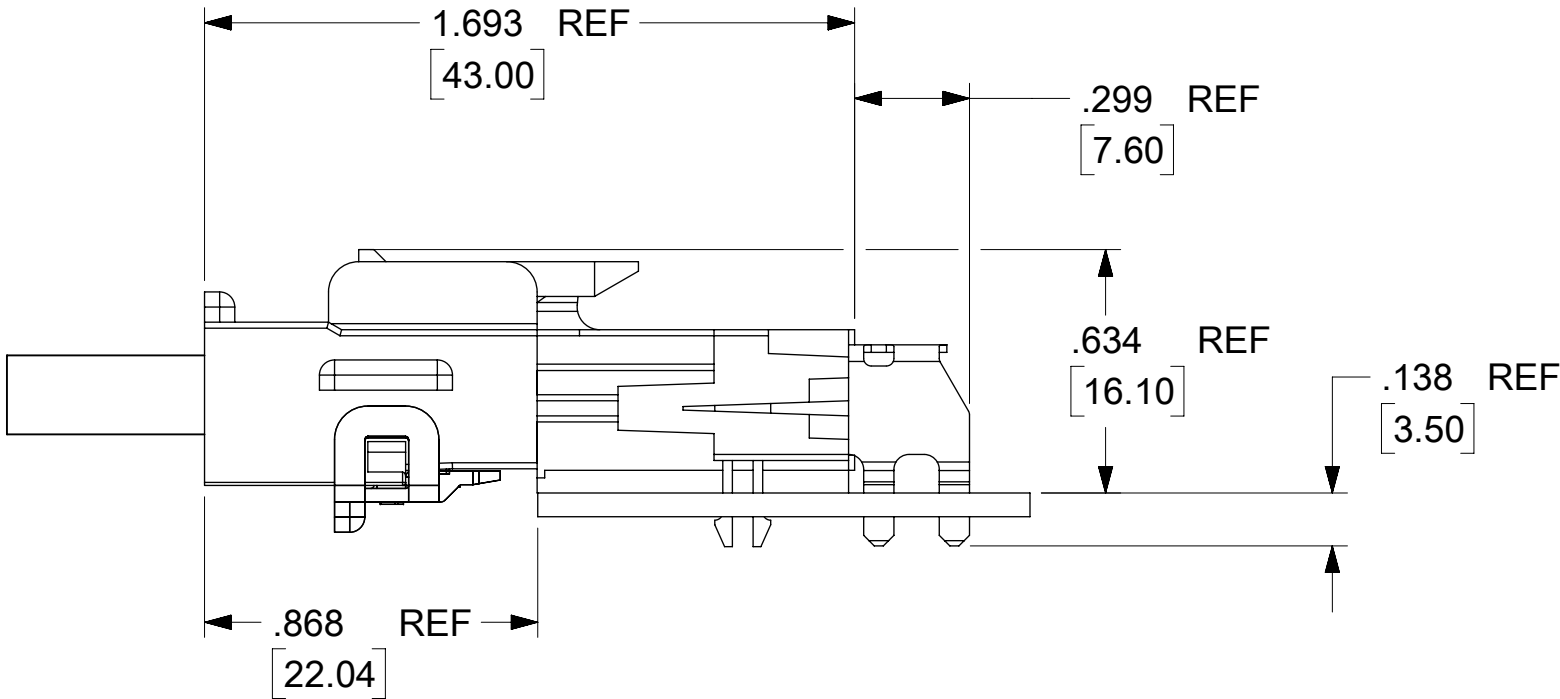
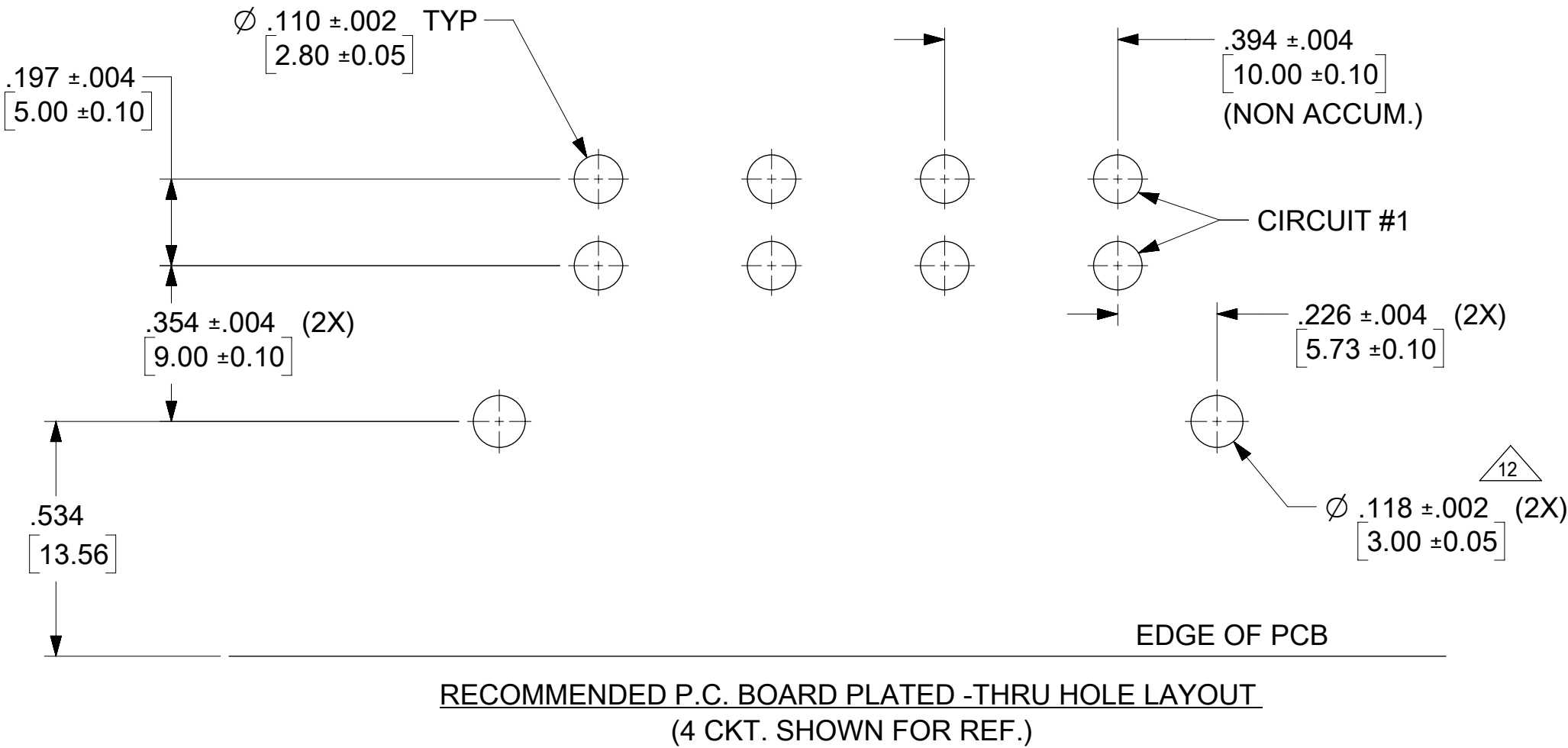


| 12                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11        |             | 10 |               | 9 |             | 8 |                                                                                                                                   | 7 |              | 6 |        | 5 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 |  | 3 |  | 2 |  | 1 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|----|---------------|---|-------------|---|-----------------------------------------------------------------------------------------------------------------------------------|---|--------------|---|--------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|---|--|---|--|---|--|
| ITEM NUMBER                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CKT. SIZE | DIM."A"     |    | DIM."B"       |   | DIM."C"     |   | TERMINAL PLATING                                                                                                                  |   | CLIP PLATING |   | STATUS |   | <div>NOTE:</div> <div>1) MATERIAL:<br/>HOUSING MATERIAL:30% GLASS-FILIED NYLON 4/6, U.L.94V-0, COLOR: BLACK.<br/>TERMINAL MATERIAL ALLOY 151.</div> <div>2) FINISH: 2= .000100/(.00254) MIN. TIN OVER .000050/(.00127) MIN. NICKEL.<br/>3= .000030/(.00076) MIN. SELECT GOLD IN CONTACT AREA.<br/>OVER .000050/(.00127) MIN NICKEL.<br/>4= .000100/(00254) MIN SELECT SILVER IN CONTACT AREA<br/>.000100/(.00254) MIN. SELECT TIN ON SOLDER TAILS<br/>OVER .000050/(.00127) MIN NICKEL.</div> <div>3) PRODUCT SPECIFICATION: PS-42815-001.</div> <div>4) PACKAGING INFORMATION SEE MOLEX PACKING SPEC. PK-42820-910</div> <div>5) PART MATES WITH MOLEX RECEPTACLE *42816-***2 WITH TPA.</div> <div>6) PART IS DESIGNED IN METRIC.</div> <div>7) AN "X" IN FRONT OF THE ITEM NUMBER INDICATES THE PART IS NOT TOOLED.</div> <div>8) PARTS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE</div> <div>9) WHEN USING OVERALL TIN PLATED TERMINALS:<br/>FOR APPLICATIONS INVOLVING VIBRATION AND/OR TERMINAL CYCLING, MOLEX STRONGLY RECOMMENDS THE USE OF NYE LUBRICANT (NYOGEL 760G) ON THE MATING SURFACES OF THE TERMINAL.</div> <div>10) PARTS CONFORMS TO CLASS 'B' REQUIRMENTS OF COSMETIC SPECIFICATIONS PS-45499-002</div> <div>11) FOR TAPE AND REEL PACKAGING REFER TO PK-45986-004</div> <div>12) BOARD CLIP HOLE MAY OR MAY NOT BE PLATED. REFER TO CHART FOR PLATED / UNPLATED CLIPS.</div> <div>13) REFER AS-42815-001 FOR TIN PLATED TERMINALS RECOMMENDED LUBRICATION PROCEDURE.</div> <div>14) FOR PN 42820**9* PLEASE REFER TO MOLEX PACAKAGING SPEC. 428204294-PK.</div> |   |  |   |  |   |  |   |  |
| H                                                                                                                                                                 | 42820-2213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .138/(3.50) |    | .823/(20.90)  |   | .071/(1.80) |   | SELECT GOLD IN CONTACT AREA<br>(SEE LEGEND)                                                                                       |   | ACTIVE       |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-2313                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .138/(3.50) |    | .823/(20.90)  |   | N/A         |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-2223                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .201/(5.10) |    | .823/(20.90)  |   | .102/(2.60) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-2233                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .201/(5.10) |    | .823/(20.90)  |   | .134/(3.40) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-2243                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .327/(8.30) |    | .823/(20.90)  |   | .259/(6.58) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-3213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .138/(3.50) |    | 1.217/(30.90) |   | .071/(1.80) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| G                                                                                                                                                                 | 42820-3228                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .138/(3.50) |    | 1.217/(30.90) |   | .102/(2.60) |   | SELECT MATTE TIN ON SOLDER TAILS                                                                                                  |   | ACTIVE       |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-3223                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .201/(5.10) |    | 1.217/(30.90) |   | .102/(2.60) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-3233                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .201/(5.10) |    | 1.217/(30.90) |   | .134/(3.40) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-3243                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .327/(8.30) |    | 1.217/(30.90) |   | .259/(6.58) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-4213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4         | .138/(3.50) |    | 1.610/(40.90) |   | .071/(1.80) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-4223                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4         | .201/(5.10) |    | 1.610/(40.90) |   | .102/(2.60) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| F                                                                                                                                                                 | 42820-4233                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4         | .201/(5.10) |    | 1.610/(40.90) |   | .134/(3.40) |   | NONE                                                                                                                              |   | ACTIVE       |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-4243                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4         | .327/(8.30) |    | 1.610/(40.90) |   | .259/(6.58) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-5213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5         | .138/(3.50) |    | 2.004/(50.90) |   | .071/(1.80) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-5223                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5         | .201/(5.10) |    | 2.004/(50.90) |   | .102/(2.60) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-5233                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5         | .201/(5.10) |    | 2.004/(50.90) |   | .134/(3.40) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-5243                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5         | .327/(8.30) |    | 2.004/(50.90) |   | .259/(6.58) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| E                                                                                                                                                                 | 42820-6213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6         | .138/(3.50) |    | 2.398/(60.90) |   | .071/(1.80) |   | SELECT SILVER IN CONTACT AREA<br>(SEE LEGEND)                                                                                     |   | ACTIVE       |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-6223                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6         | .201/(5.10) |    | 2.398/(60.90) |   | .102/(2.60) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-6233                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6         | .201/(5.10) |    | 2.398/(60.90) |   | .134/(3.40) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-6243                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6         | .327/(8.30) |    | 2.398/(60.90) |   | .259/(6.58) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-2214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .138/(3.50) |    | .823/(20.90)  |   | .071/(1.80) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-2224                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .201/(5.10) |    | .823/(20.90)  |   | .102/(2.60) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| D                                                                                                                                                                 | 42820-2234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .201/(5.10) |    | .823/(20.90)  |   | .134/(3.40) |   | SELECT MATTE TIN ON SOLDER TAILS                                                                                                  |   | ACTIVE       |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-2244                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .327/(8.30) |    | .823/(20.90)  |   | .259/(6.58) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-2314                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .138/(3.50) |    | .823/(20.90)  |   | N/A         |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-3214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .138/(3.50) |    | 1.217/(30.90) |   | .071/(1.80) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-3224                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .201/(5.10) |    | 1.217/(30.90) |   | .102/(2.60) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-3234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .201/(5.10) |    | 1.217/(30.90) |   | .134/(3.40) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| C                                                                                                                                                                 | 42820-3244                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .327/(8.30) |    | 1.217/(30.90) |   | .259/(6.58) |   | SELECT SILVER IN CONTACT AREA<br>(SEE LEGEND)                                                                                     |   | ACTIVE       |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-3314                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3         | .138/(3.50) |    | 1.217/(30.90) |   | N/A         |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-4214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4         | .138/(3.50) |    | 1.610/(40.90) |   | .071/(1.80) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-4224                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4         | .201/(5.10) |    | 1.610/(40.90) |   | .102/(2.60) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-4234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4         | .201/(5.10) |    | 1.610/(40.90) |   | .134/(3.40) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-4244                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4         | .327/(8.30) |    | 1.610/(40.90) |   | .259/(6.58) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| B                                                                                                                                                                 | 42820-5214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5         | .138/(3.50) |    | 2.004/(50.90) |   | .071/(1.80) |   | SELECT MATTE TIN ON SOLDER TAILS OVER NICKEL<br>4 = SELECT SILVER IN CONTACT AREA<br>SELECT MATTE TIN ON SOLDER TAILS OVER NICKEL |   | ACTIVE       |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-5224                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5         | .201/(5.10) |    | 2.004/(50.90) |   | .102/(2.60) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-5234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5         | .201/(5.10) |    | 2.004/(50.90) |   | .134/(3.40) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-5244                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5         | .327/(8.30) |    | 2.004/(50.90) |   | .259/(6.58) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-5314                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5         | .138/(3.50) |    | 2.004/(50.90) |   | N/A         |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-6214                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6         | .138/(3.50) |    | 2.398/(60.90) |   | .071/(1.80) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| A                                                                                                                                                                 | 42820-6224                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6         | .201/(5.10) |    | 2.398/(60.90) |   | .102/(2.60) |   | SELECT MATTE TIN ON SOLDER TAILS OVER NICKEL<br>4 = SELECT SILVER IN CONTACT AREA<br>SELECT MATTE TIN ON SOLDER TAILS OVER NICKEL |   | ACTIVE       |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-6234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6         | .201/(5.10) |    | 2.398/(60.90) |   | .134/(3.40) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-6244                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6         | .327/(8.30) |    | 2.398/(60.90) |   | .259/(6.58) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-2294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2         | .138/(3.50) |    | 0.823/(20.90) |   | .071/(1.80) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | 42820-4294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4         | .138/(3.50) |    | 1.610/(40.90) |   | .071/(1.80) |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
|                                                                                                                                                                   | <div>LEGEND :</div> <div>A-42820 - * * *</div> <div>CIRCUIT SIZE (2-6)</div> <div>PLATING<br/>2 OR 9 = OVERALL BRIGHT TIN OVER NICKEL<br/>3 OR 8 = SELECT GOLD IN CONTACT AREA<br/>SELECT MATTE TIN ON SOLDER TAILS OVER NICKEL<br/>4 = SELECT SILVER IN CONTACT AREA<br/>SELECT MATTE TIN ON SOLDER TAILS OVER NICKEL</div> <div>MOUNTING OPTION<br/>1 = FLANGES (SEE DWG SDA-42820-*1**)<br/>2 = RETENTION CLIP<br/>3 = NO RETENTION CLIP</div> <div>P.C. BOARD THICKNESS<br/>1 = .062/(1.57) NOMINAL<br/>2 = .093/(2.36) NOMINAL<br/>3 = .125/(3.18) NOMINAL<br/>4 = .250/(6.35) NOMINAL<br/>9 = .062/(1.57) NOMINAL WITH 428204294-PK </div> |           |             |    |               |   |             |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| <div><div><div></div><div></div><div></div><div></div></div><div><div>42820-22**</div><div>42820-32**</div><div>42820-52**</div><div>42820-62**</div></div></div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |             |    |               |   |             |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| <div>DOCUMENT STATUS</div> <div>P1</div> <div>RELEASE DATE</div> <div>2022/07/19</div> <div>07:07:23</div>                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |             |    |               |   |             |   |                                                                                                                                   |   |              |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |  |   |  |   |  |   |  |
| 12                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11        |             | 10 |               | 9 |             | 8 |                                                                                                                                   | 7 |              | 6 |        | 5 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 |  | 3 |  | 2 |  | 1 |  |

| 12          |           | 11          |               | 10          |                    | 9            | 8                        | 7           | 6 | 5 | 4 | 3 | 2 | 1 |
|-------------|-----------|-------------|---------------|-------------|--------------------|--------------|--------------------------|-------------|---|---|---|---|---|---|
| ITEM NUMBER | CKT. SIZE | DIM."A"     | DIM."B"       | DIM."C"     | TERMINAL PLATING   | CLIP PLATING | STATUS                   |             |   |   |   |   |   |   |
| 42820-2212  | 2         | .138/(3.50) | .823/(20.90)  | .071/(1.80) | OVERALL BRIGHT TIN | NONE         | PLANNED FOR OBSOLESCENCE | SEE NOTE 11 |   |   |   |   |   |   |
| 42820-2219  | 2         | .138/(3.50) | .823/(20.90)  | .071/(1.80) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-2222  | 2         | .201/(5.10) | .823/(20.90)  | .102/(2.60) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-2232  | 2         | .201/(5.10) | .823/(20.90)  | .134/(3.40) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-2239  | 2         | .201/(5.10) | .823/(20.90)  | .134/(3.40) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-2242  | 2         | .327/(8.30) | .823/(20.90)  | .259/(6.58) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-3212  | 3         | .138/(3.50) | 1.217/(30.90) | .071/(1.80) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-3222  | 3         | .201/(5.10) | 1.217/(30.90) | .102/(2.60) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-3229  | 3         | .201/(5.10) | 1.217/(30.90) | .102/(2.60) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-3232  | 3         | .201/(5.10) | 1.217/(30.90) | .134/(3.40) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-3242  | 3         | .327/(8.30) | 1.217/(30.90) | .259/(6.58) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-4212  | 4         | .138/(3.50) | 1.610/(40.90) | .071/(1.80) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-4312  | 4         | .138/(3.50) | 1.610/(40.90) | N/A         |                    |              |                          |             |   |   |   |   |   |   |
| 42820-4222  | 4         | .201/(5.10) | 1.610/(40.90) | .102/(2.60) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-4232  | 4         | .201/(5.10) | 1.610/(40.90) | .134/(3.40) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-4242  | 4         | .327/(8.30) | 1.610/(40.90) | .259/(6.58) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-5212  | 5         | .138/(3.50) | 2.004/(50.90) | .071/(1.80) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-5222  | 5         | .201/(5.10) | 2.004/(50.90) | .102/(2.60) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-5232  | 5         | .201/(5.10) | 2.004/(50.90) | .134/(3.40) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-5242  | 5         | .327/(8.30) | 2.004/(50.90) | .259/(6.58) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-6212  | 6         | .138/(3.50) | 2.398/(60.90) | .071/(1.80) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-6222  | 6         | .201/(5.10) | 2.398/(60.90) | .102/(2.60) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-6229  | 6         | .201/(5.10) | 2.398/(60.90) | .102/(2.60) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-6232  | 6         | .201/(5.10) | 2.398/(60.90) | .134/(3.40) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-6242  | 6         | .327/(8.30) | 2.398/(60.90) | .259/(6.58) |                    |              |                          |             |   |   |   |   |   |   |
| 42820-2332  | 2         | .201/(5.10) | .823/(20.90)  | N/A         |                    |              |                          |             |   |   |   |   |   |   |
| 42820-2342  | 2         | .327/(8.30) | .823/(20.90)  | N/A         |                    |              |                          |             |   |   |   |   |   |   |

Technical drawing of a component with dimensions:

- 1.693 REF [43.00]
- .299 REF [7.60]
- .634 REF [16.10]
- .138 REF [3.50]
- .868 REF [22.04]



RECOMMENDED P.C. BOARD PLATED -THRU HOLE LAYOUT  
(4 CKT. SHOWN FOR REF.)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

|                                                            |        |                                                                                                                                                                                       |  |                                             |        |                 |                |          |              |
|------------------------------------------------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|--------|-----------------|----------------|----------|--------------|
| DIMENSION UNITS                                            | SCALE  | CURRENT REV DESC:                                                                                                                                                                     |  | <div>molex</div>                            |        |                 |                |          |              |
| mm                                                         | 3:1    |                                                                                                                                                                                       |  |                                             |        |                 |                |          |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | EC NO: 714707<br>DRWN: KEVINS31 2022/07/18<br>CHK'D: KEVINS31 2022/07/19<br>APPR: ISHWARG 2022/07/19<br>INITIAL REVISION:<br>DRWN: RFC_PLMIMP 2018/11/02<br>APPR: JCOMERCI 2001/07/18 |  | MINI-FIT SR.<br>RIGHT ANGLE HEADER ASSEMBLY |        |                 |                |          |              |
| ANGULAR TOL                                                | ± 0.5° |                                                                                                                                                                                       |  |                                             |        |                 |                |          |              |
| 4 PLACES                                                   | ±      |                                                                                                                                                                                       |  |                                             |        |                 |                |          |              |
| 3 PLACES                                                   | ±      |                                                                                                                                                                                       |  |                                             |        |                 |                |          |              |
| 2 PLACES                                                   | ± 0.25 |                                                                                                                                                                                       |  |                                             |        |                 |                |          |              |
| 1 PLACE                                                    | ± 0.4  | THIRD ANGLE PROJECTION                                                                                                                                                                |  | DRAWING                                     | SERIES | DOCUMENT NUMBER | DOC TYPE       | DOC PART | REVISION     |
| 0 PLACES                                                   | ±      |                                                                                                                                                                                       |  | C-SIZE                                      | 42820  | SDA-42820-0002  | PSD            | 001      | J2           |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                                                                                                                                                                                       |  |                                             |        | MATERIAL NUMBER | CUSTOMER       |          | SHEET NUMBER |
|                                                            |        |                                                                                                                                                                                       |  |                                             |        | SEE CHART       | GENERAL MARKET |          | 2 OF 2       |

|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2022/07/19 | 07:07:23 |
|-----------------|----|--------------|------------|----------|

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FORMATS: master & prod-C  
REVISION: H  
DATE: 2018/01/18