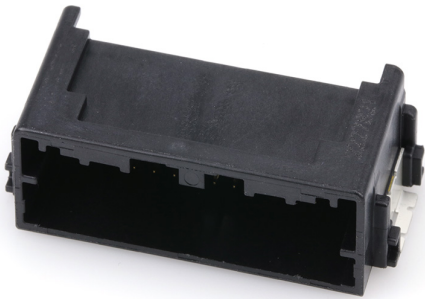




产品编号：[348978240](#)  
Product Description：Mini50 Unsealed Header, Right-Angle, SMT, Dual Row, 24 Circuits, Tin (Sn) Plating, Polarization Option A, Black, Tape and Reel  
系列号：34897  
状态：Active  
Product Category：PCB Headers and Receptacles  
Packaging Alternative：0348979240 (Tube)



文件和资源

图纸

[图纸 348978240\\_sd.pdf](#)  
[包装设计图 PK-31301-786-001.pdf](#)

3D 模型和设计文件

[3D模型 348978240\\_stp.zip](#)

规格

[应用规格 AS-34791-020-CH-001.pdf](#)  
[应用规格 AS-34791-020-001.pdf](#)  
[产品规格 PS-34791-020-001.pdf](#)  
[测试摘要 347910020-TS-000.pdf](#)

产物环境合规

合规

|                    |                                                |
|--------------------|------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                |
| China RoHS         |                                                |
| EU ELV             | Compliant per 2000/53/EC                       |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                 |
| REACH SVHC         | Not Contained per D(2023)3788-DC (14 Jun 2023) |
| EU RoHS            | Compliant per EU 2015/863                      |

[多部分产品合规性声明](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

多部分行业合规性文件

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

|      |                                                                                                                                |
|------|--------------------------------------------------------------------------------------------------------------------------------|
| 状态   | 活动                                                                                                                             |
| 类别   | PCB Headers and Receptacles                                                                                                    |
| 系列   | 34897                                                                                                                          |
| 说明   | Mini50 Unsealed Header, Right-Angle, SMT, Dual Row, 24 Circuits, Tin (Sn) Plating, Polarization Option A, Black, Tape and Reel |
| 应用   | Automotive, Power, Signal, Wire-to-Board                                                                                       |
| 元件类型 | PCB Header                                                                                                                     |
| 产品系列 | Mini50 Connection Systems                                                                                                      |
| 产品名称 | Mini50                                                                                                                         |
| UPC  | 887191459332                                                                                                                   |

电气

|         |                           |
|---------|---------------------------|
| 每触点最大电流 | 4.0A (for reference only) |
| 电压 - 最大 | 14V (typical operating)   |

物理

|          |    |
|----------|----|
| 断开       | 否  |
| 回路数（已载入） | 24 |
| 电路数（最多）  | 24 |
| 颜色-树脂    | 黑色 |
| 先接后断     | 否  |

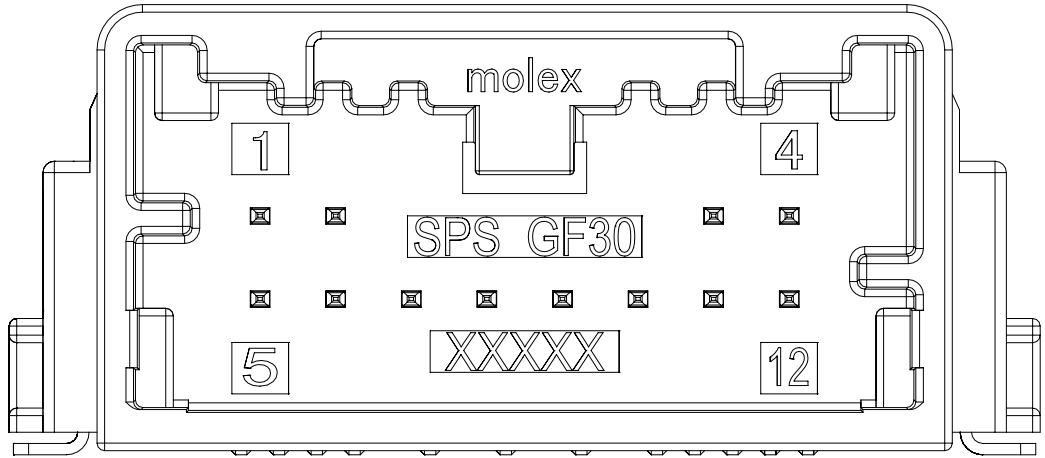
|             |                       |
|-------------|-----------------------|
| 符合灼热丝规范     | 否                     |
| 可配插产品指南     | 否                     |
| 插接极性        | 是                     |
| 锁定插接部位      | 是                     |
| 材料 - 金属     | Brass                 |
| 材料 - 接合部位电镀 | Tin                   |
| 材料 - 终端电镀   | Tin                   |
| 材料 - 树脂     | SPS                   |
| 净重          | 3.649/g               |
| 行数          | 2                     |
| 方向          | Right Angle           |
| 包装形式        | Embossed Tape on Reel |
| PCB 保持力     | 是                     |
| 间距 - 插配接口   | 2.00mm                |
| 有极性的插配件     | 是                     |
| PCB 极性      | 是                     |
| 运行温度范围      | -40° to +100° C       |
| 终端界面类型      | Surface Mount         |

---

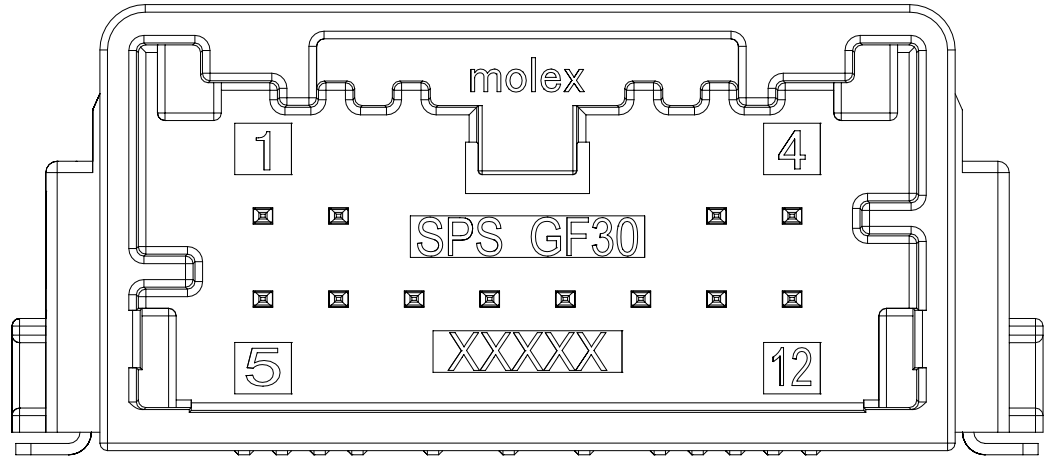
## 可配插/可连接使用的产品

### 可配插部件

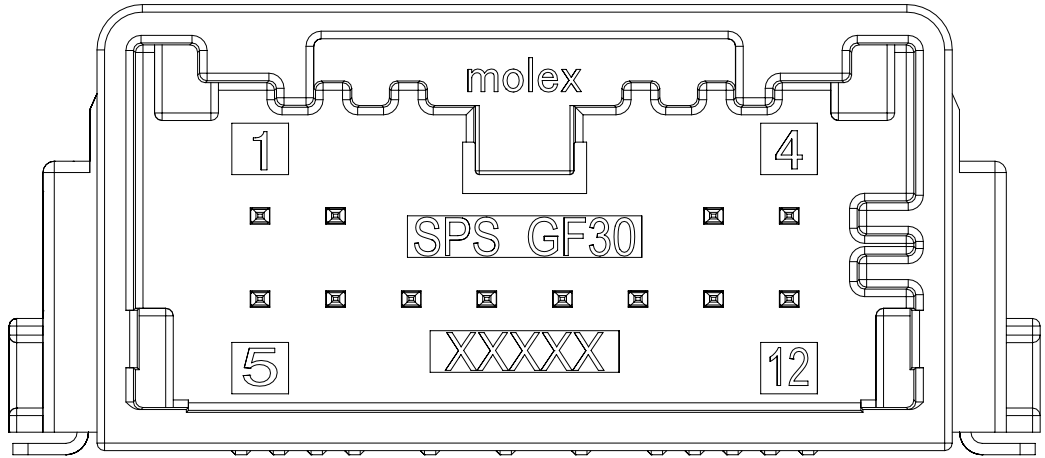
| 描述                                           | 产品编号          |
|----------------------------------------------|---------------|
| Mini50 Unsealed Dual Row Receptacles         | <u>206523</u> |
| Mini50 Unsealed Dual Row Receptacle Housings | <u>34824</u>  |



12 CIRCUIT SMT USCAR HEADER  
POLARIZATION OPTION A

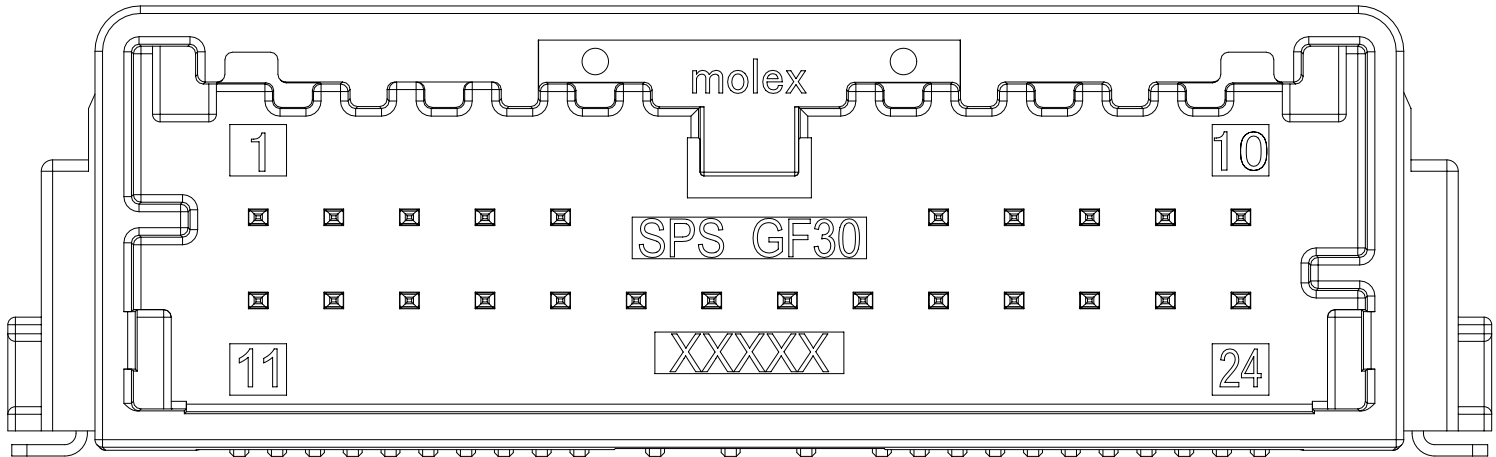


12 CIRCUIT SMT USCAR HEADER  
POLARIZATION OPTION B

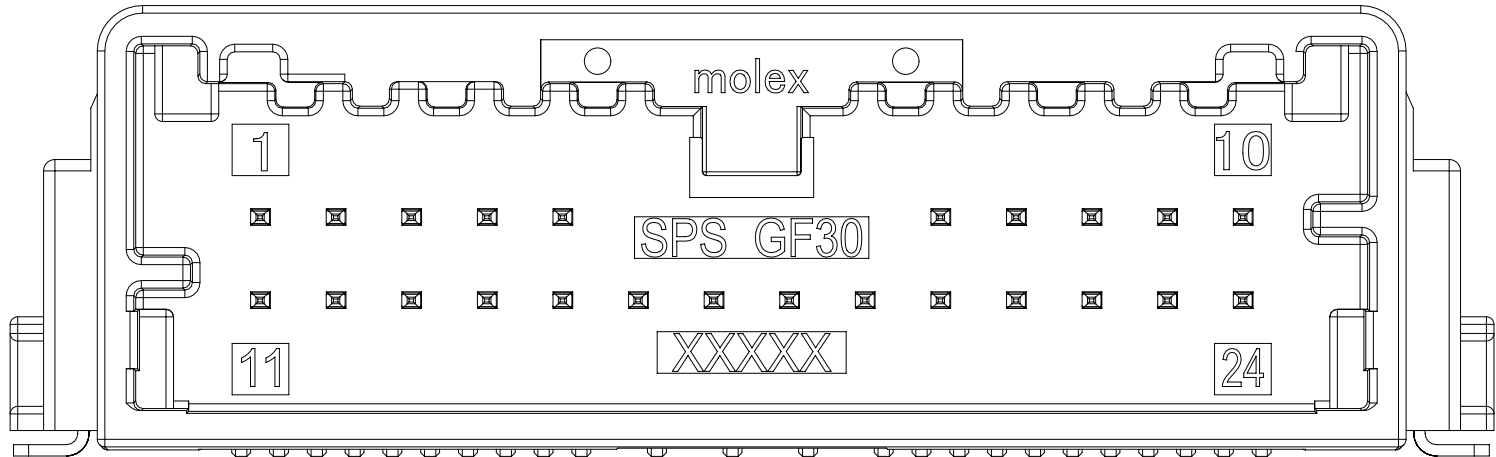


12 CIRCUIT SMT USCAR HEADER  
POLARIZATION OPTION C

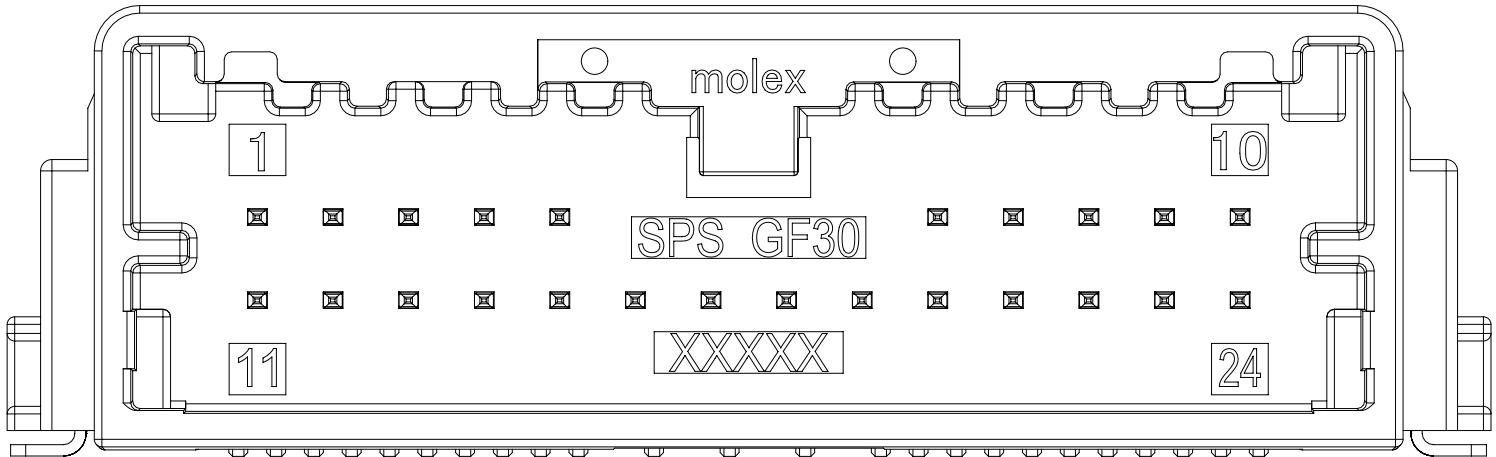
24CKT POLARIZATION OPTIONS SHOWN BELOW  
ARE REPRESENTATIVE FOR 16 AND 20CKT



24 CIRCUIT SMT HEADER  
POLARIZATION OPTION A



24 CIRCUIT SMT HEADER  
POLARIZATION OPTION B



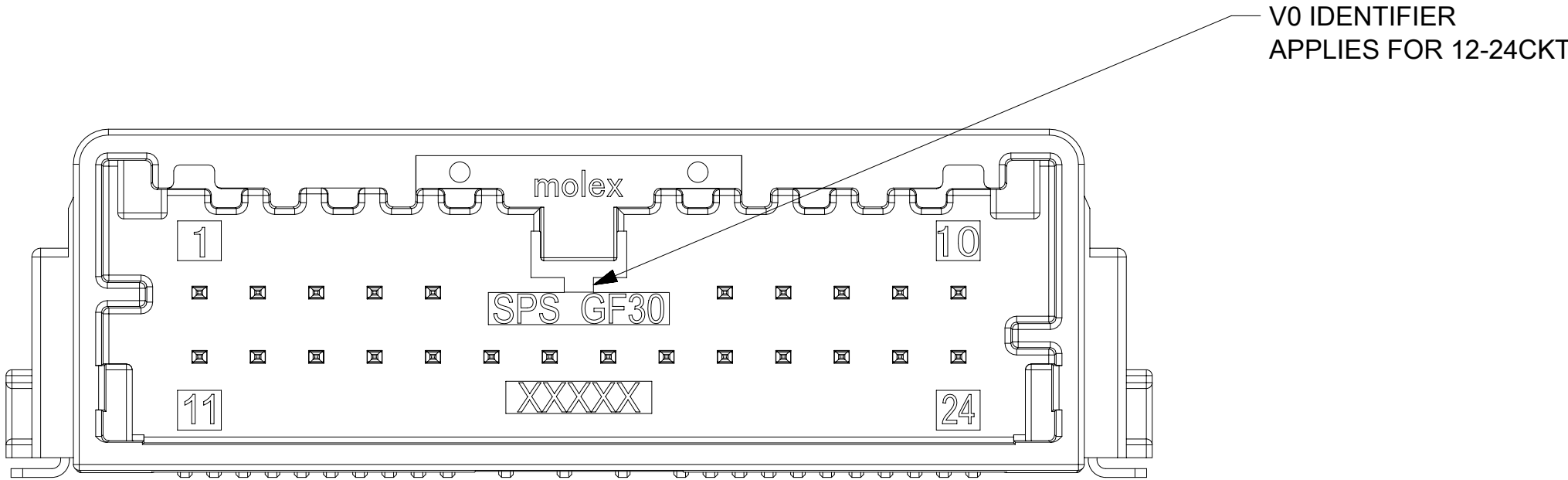
24 CIRCUIT SMT HEADER  
POLARIZATION OPTION C

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-34791-020
  - b. PRODUCT SPECIFICATION SEE: PS-34791-020
  - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE CHART
  - d. SOLDERABILITY PER SMES-152
  - e. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
  - f. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)
  - g. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
  - h. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)

2. DESIGN - MATERIALS:
- a. SHROUD (PLASTIC HOUSING): SPS 30% GF, 25% REGRIND MAX PER WEIGHT
  - b. BLADES:
    - BASE METAL: C26000 BRASS
    - PLATING REQUIREMENTS:
      - TIN:
        - UNDERPLATING:
          - OVERALL NICKEL: 1.25 - 2.25 MICROMETERS
        - OVERPLATING:
          - OVERALL TIN: 2.5 - 4.0 MICROMETERS
      - GOLD:
        - UNDERPLATING:
          - OVERALL NICKEL: 1.25 - 2.25 MICROMETERS
        - OVERPLATING:
          - CONTACT AREA: ELECTRODEPOSITED GOLD
            - MINIMUM 0.76 MICROMETERS HARD GOLD
          - PCB CONTACT AREA: ELECTRODEPOSITED TIN MATTE FINISH
            - MINIMUM 2.5 - 4.0 MICROMETERS

3. DESIGN - GEOMETRY:
- a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
  - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
  - c. GENERAL TOLERANCES: SEE TITLE BLOCK
  - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
  - e. CORNERS SHOWN AS SHARP TO BE R 0.1 MAX
  - f. LETTERING SHALL BE BELOW SURROUNDING SURFACE OF PART. THIS INCLUDES RECYCLING CODE, PLANT AND CAVITY ID, VENDOR ID, AND CIRCUIT ID.
  - g. INTERFACE - USCAR
    - 050-U-012-2-ZXX
    - 050-U-016-2-ZXX
    - 050-U-020-2-ZXX
    - 050-U-024-2-ZXX



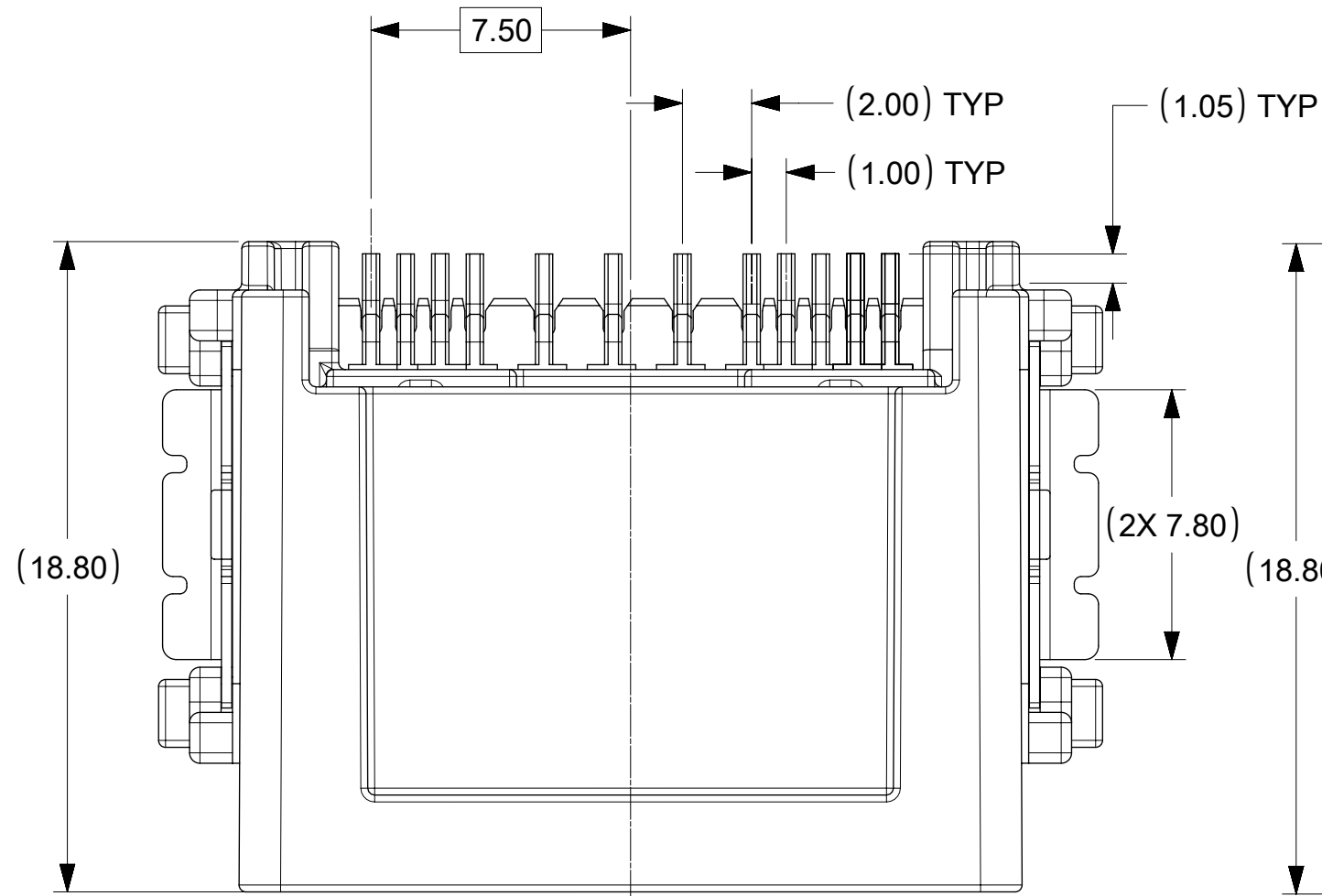
|     |                                                                                                                                                                                                                  |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| W11 | SHEET 5: REMOVED AVAILABILITY AND MATING COLUMNS ON BOM<br>SHEET 5: ADDED MATING COMPONENT NOTE                                                                                                                  |
| W10 | SHEET 2: ADDED BALLOONS 14A, 14B                                                                                                                                                                                 |
| W9  | SHEET 1: ADDED V0 VIEW<br>SHEET 5: REORGANIZED BOM TABLE                                                                                                                                                         |
| W8  | DRAWING REMASTERED<br>SHEET 1: UPDATED NOTE 2b BASE METAL<br>SHEET 1: ADDED NOTE 3g<br>SHEET 2: SOLDERNAIL POCKET DIMS UPDATED<br>SHEET 3: ADDED BALLOONS 13A & 13B<br>SHEET 5: ADDED V0 TIN PART NUMBERS TO BOM |
| W7  | UPDATED INSPECTION LOG, CHANGED DESCRIPTION, ADDED BASIC DIMS TO SHEET 2                                                                                                                                         |
| W6  | DELETED 34897-6164                                                                                                                                                                                               |
| W5  | ADDED DIM BALLOON 15 & 16                                                                                                                                                                                        |
| W4  | ADDED 16CKT GOLD DEPOPULATED POL A P/N                                                                                                                                                                           |
| W3  | NX REMASTERING                                                                                                                                                                                                   |
| REV | DESCRIPTION                                                                                                                                                                                                      |

| INSPECTION BALLON NUMBER LOG                                                                                                                  |         |                        |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------|--------------|
| PER DRAWING REVISION: W11                                                                                                                     |         |                        |              |
| LAST BALLOON USED: 16                                                                                                                         |         |                        |              |
| ADDED BALLOON NUMBERS: 1A, 4A, 7A, 10A                                                                                                        |         |                        |              |
| REMOVED BALLOON NUMBERS:                                                                                                                      |         |                        |              |
| 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:      |              |
| mm                                                                                                                                            | 5:1     |                        |              |
| GENERAL TOLERANCES (UNLESS SPECIFIED)                                                                                                         |         |                        |              |
| ANGULAR TOL                                                                                                                                   | ± 1.0 ° |                        |              |
| 4 PLACES                                                                                                                                      | ±       |                        |              |
| 3 PLACES                                                                                                                                      | ±       |                        |              |
| 2 PLACES                                                                                                                                      | ± 0.1   |                        |              |
| 1 PLACE                                                                                                                                       | ± 0.2   |                        |              |
| 0 PLACES                                                                                                                                      | ±       |                        |              |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                                                                          |         | THIRD ANGLE PROJECTION | DRAWING      |
|                                                                                                                                               |         |                        |              |
|                                                                                                                                               |         | D-SIZE                 | 34897        |
|                                                                                                                                               |         | SERIES                 |              |
|                                                                                                                                               |         | MATERIAL NUMBER        | CUSTOMER     |
|                                                                                                                                               |         | GENERAL MARKET         | SHEET NUMBER |
|                                                                                                                                               |         |                        | 1 OF 5       |

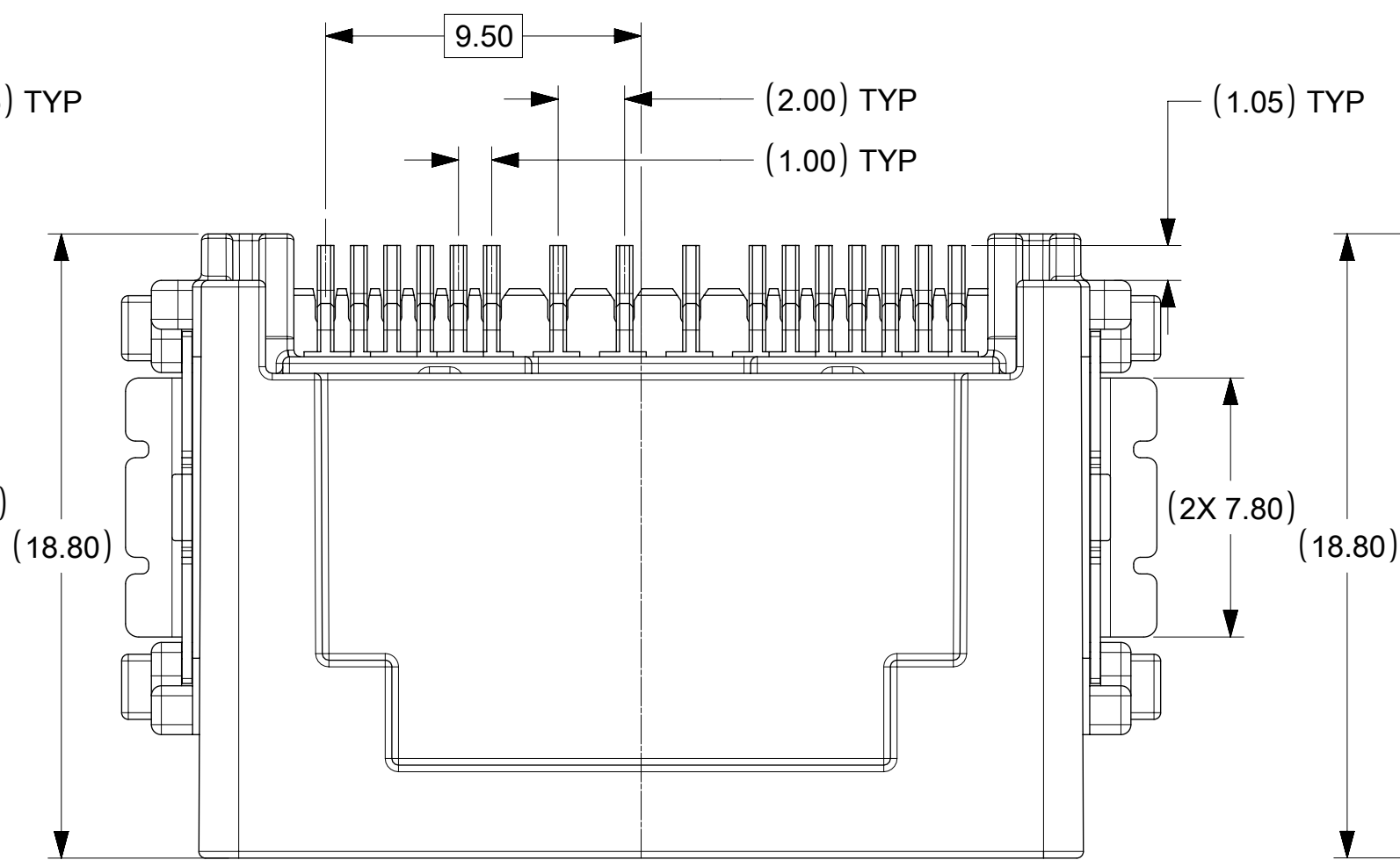
|                                       |          |          |          |
|---------------------------------------|----------|----------|----------|
| molex                                 |          |          |          |
| MINI50 12-24CKT SMT HDR SALES DRAWING |          |          |          |
| PRODUCT CUSTOMER DRAWING              |          |          |          |
| DOCUMENT NUMBER                       | DOC TYPE | DOC PART | REVISION |
| SD-34897-001                          | PSD      | 000      | W11      |

| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/03/25 | 19:03:47 |
|-----------------|----|--------------|------------|----------|
|-----------------|----|--------------|------------|----------|

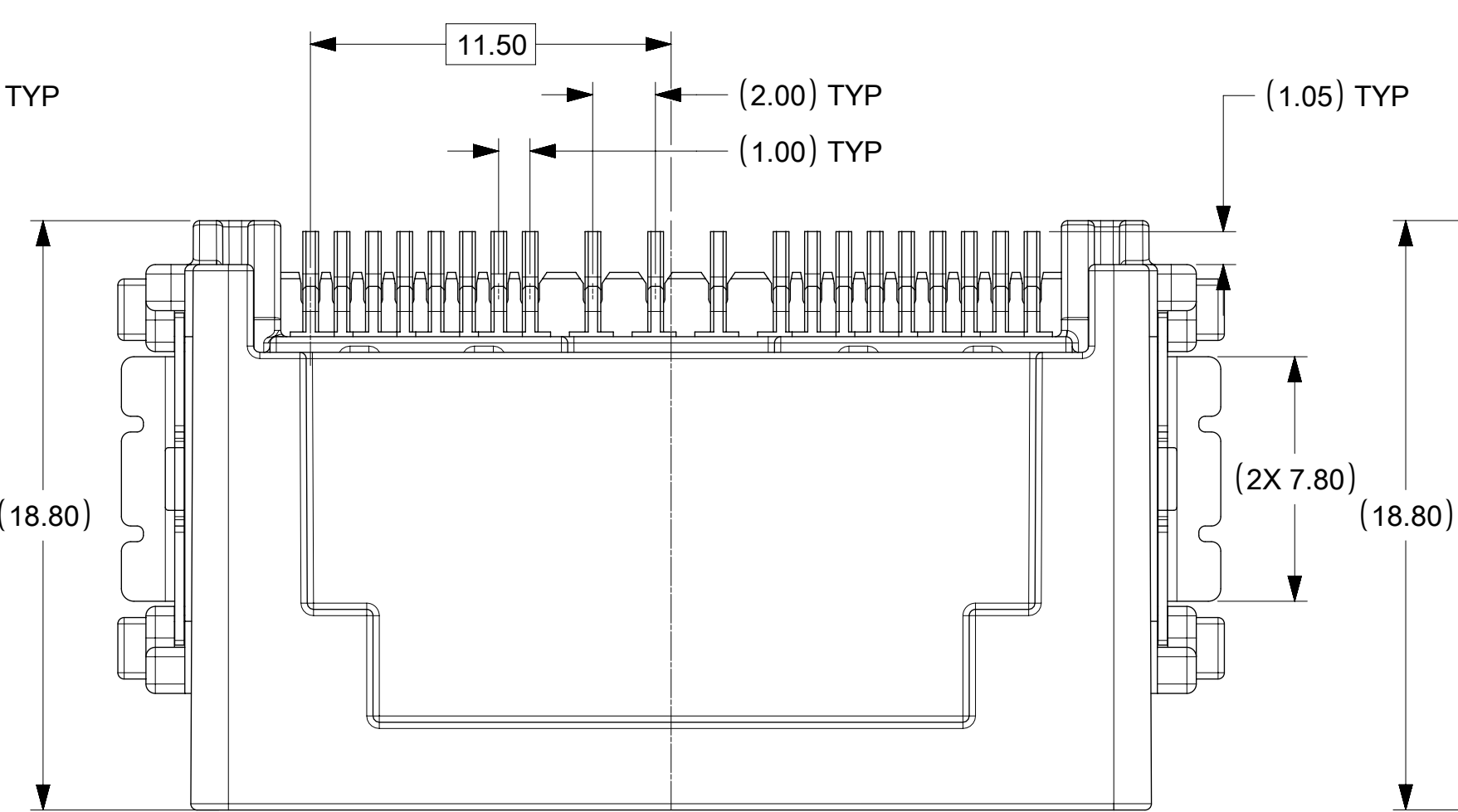
12 CKT SMT HEADER



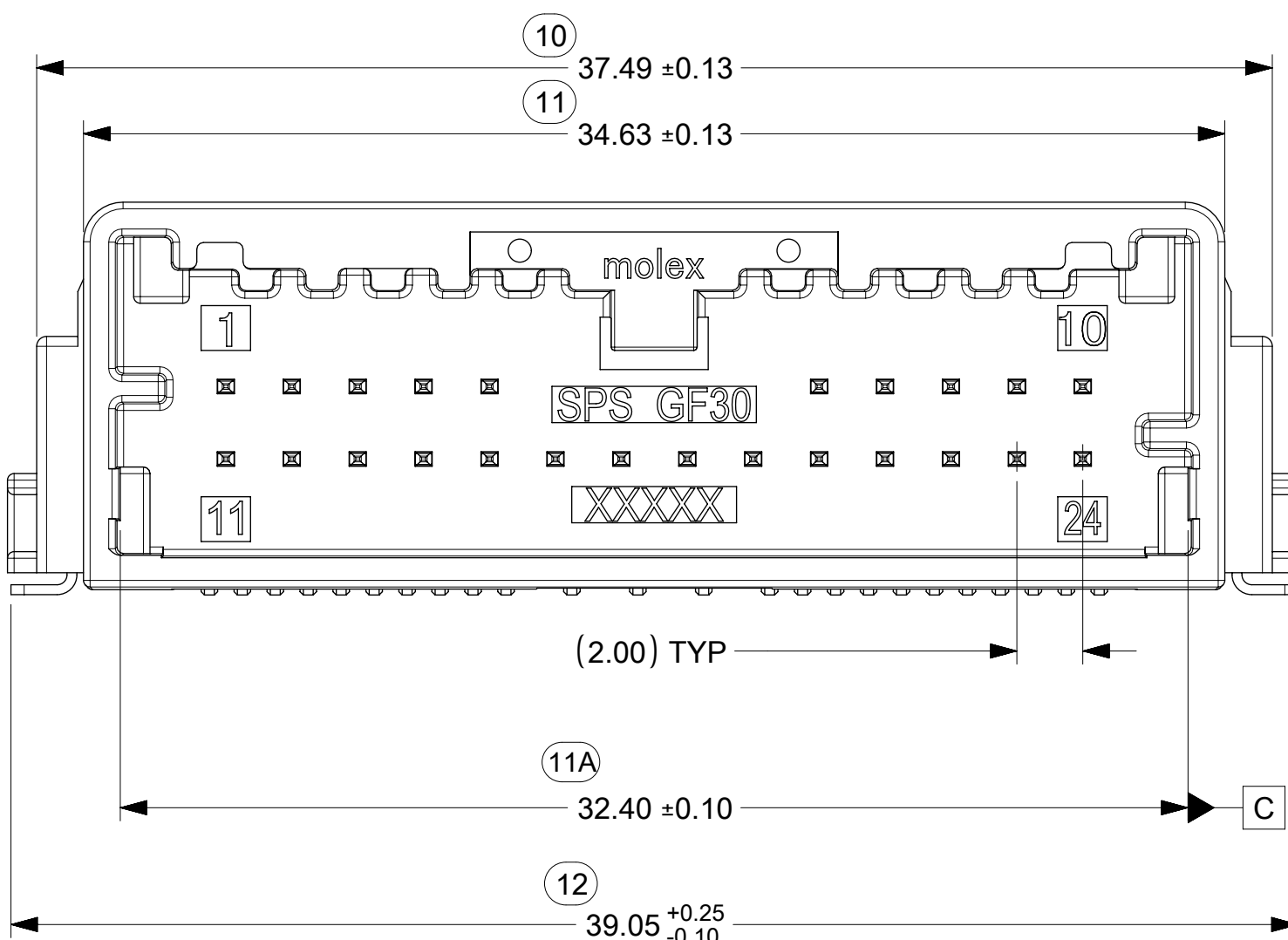
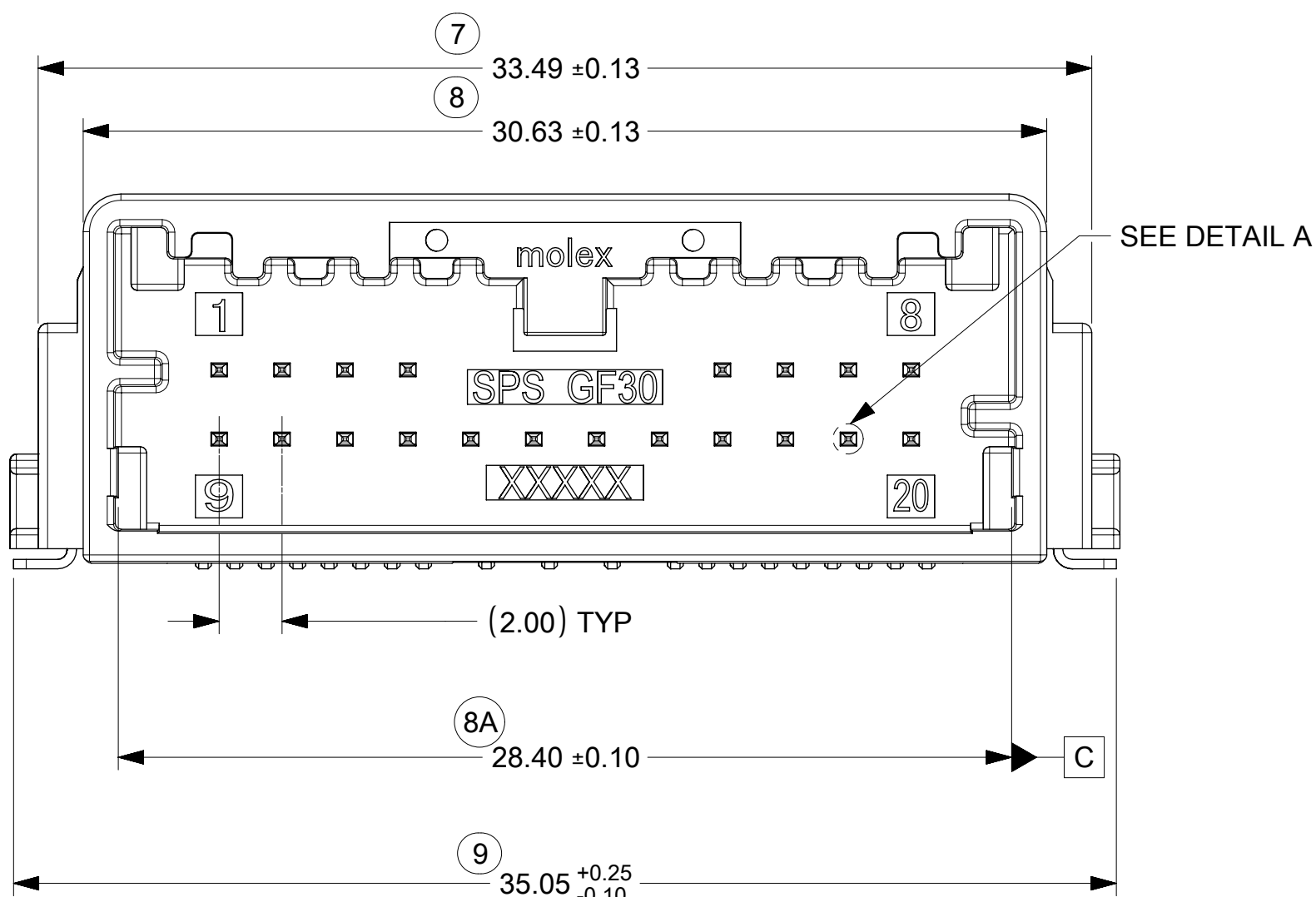
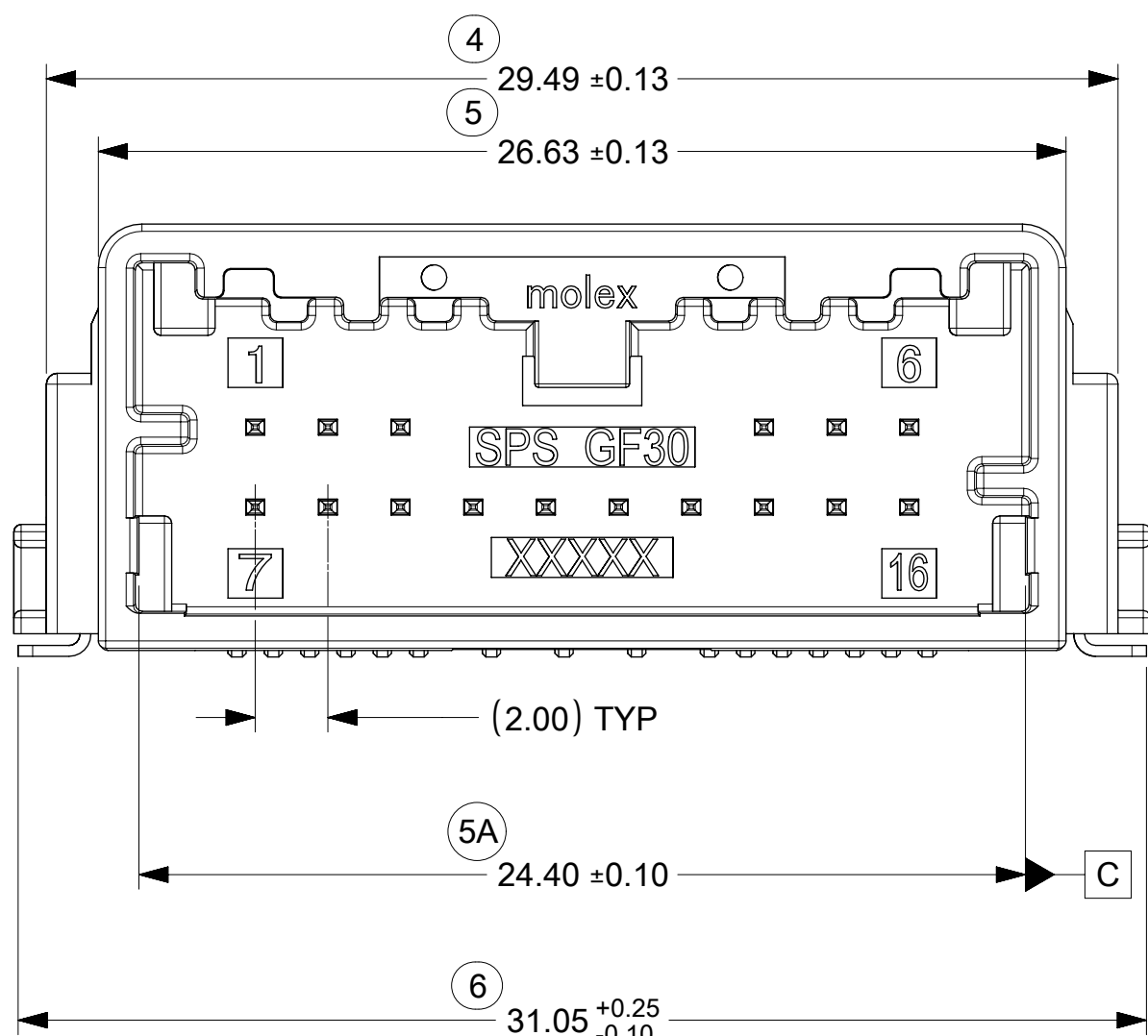
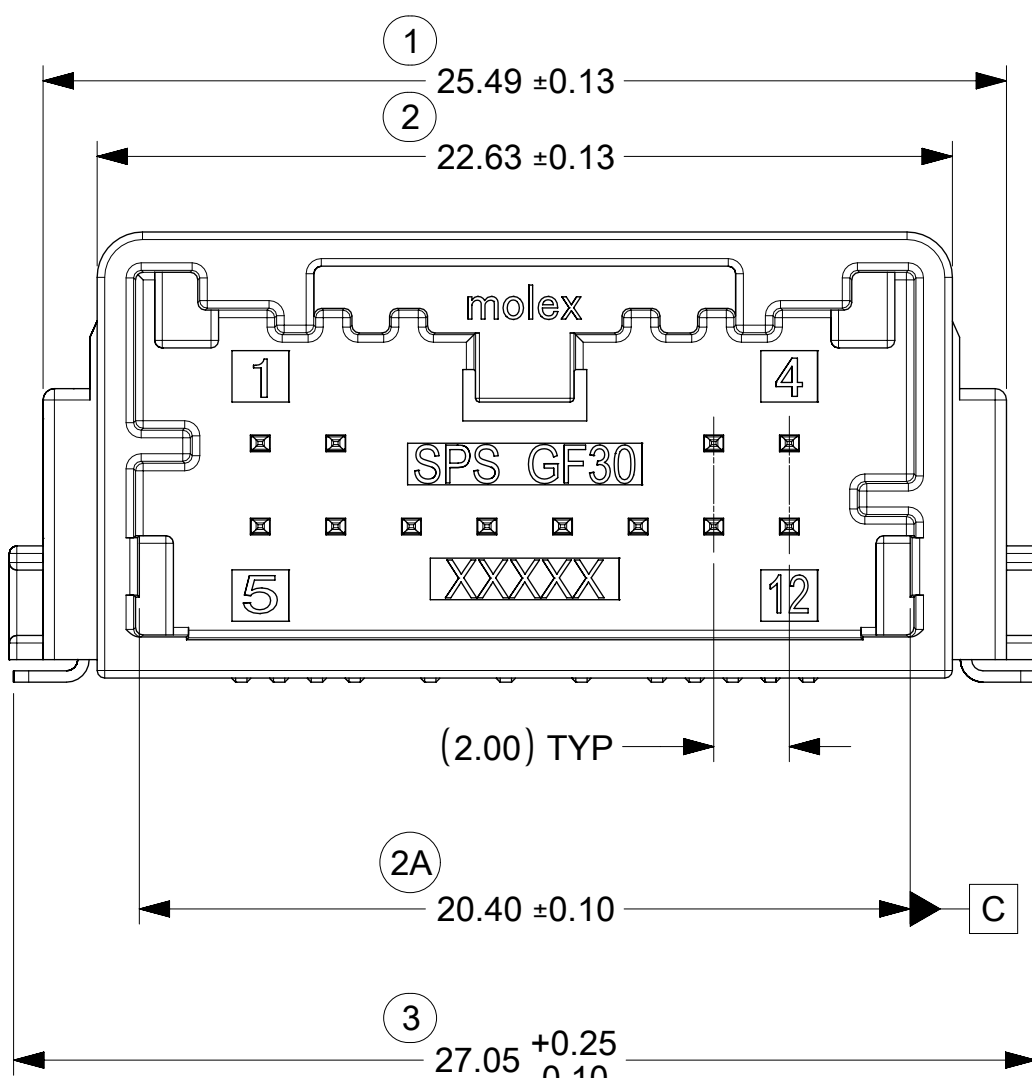
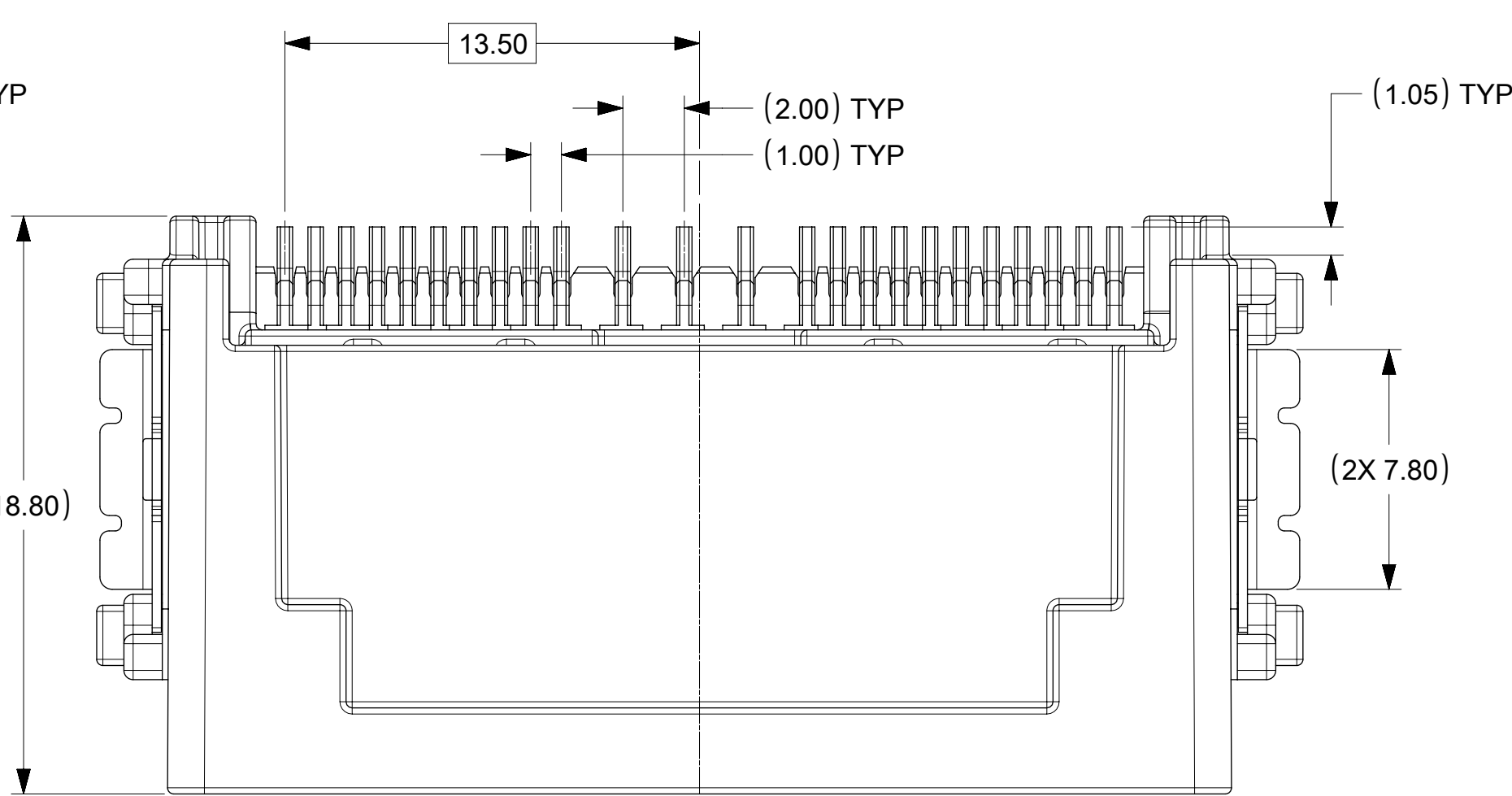
16 CKT SMT HEADER



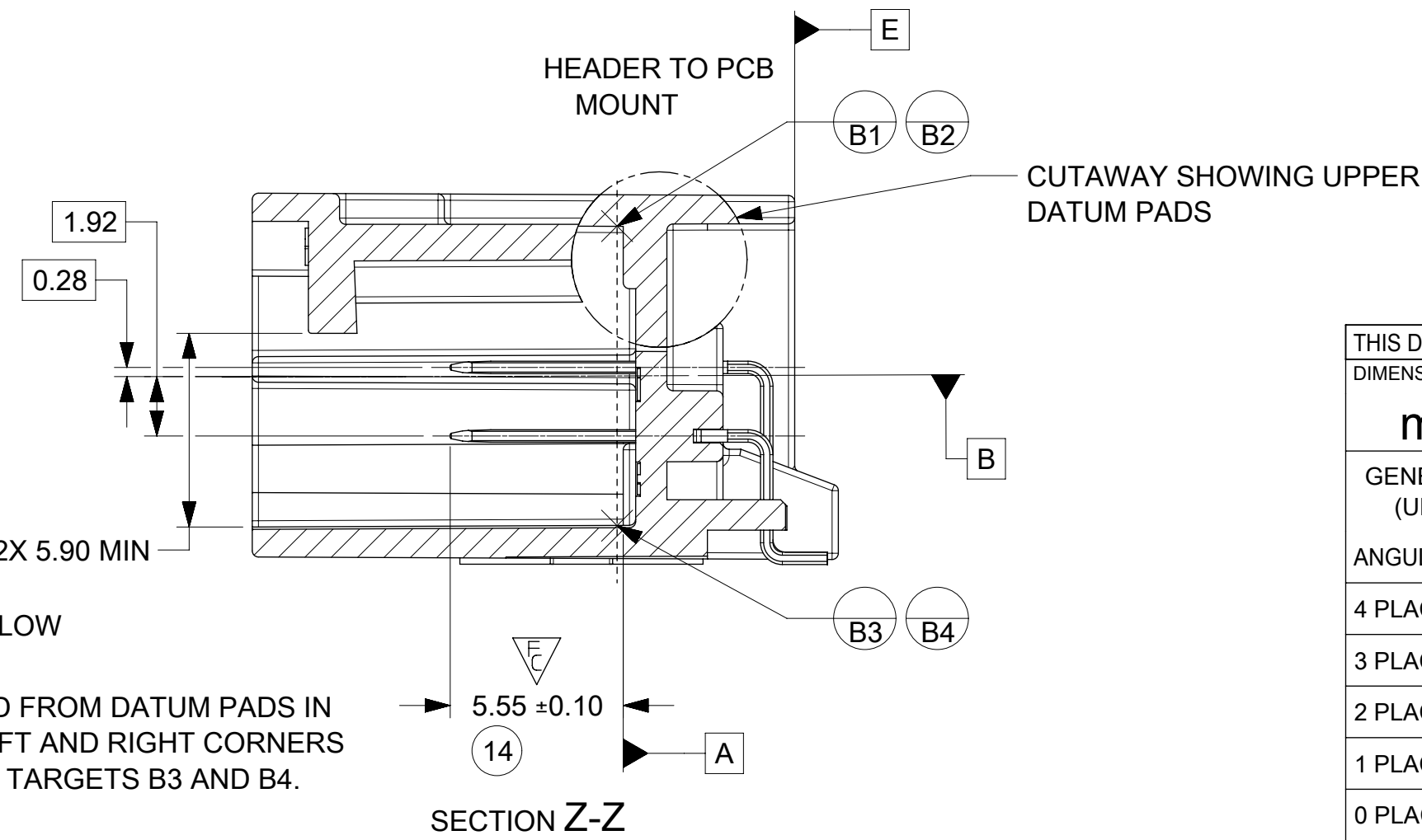
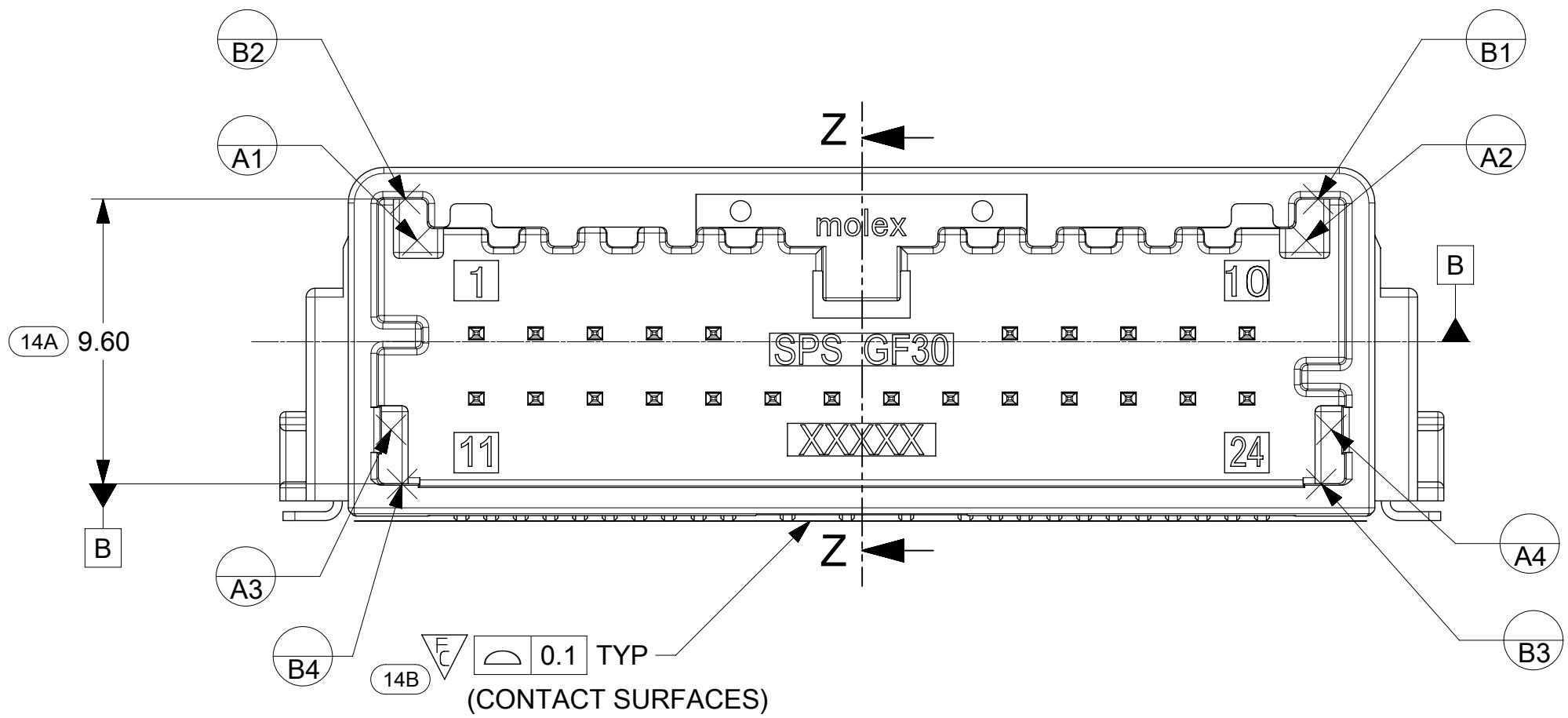
20 CKT SMT HEADER



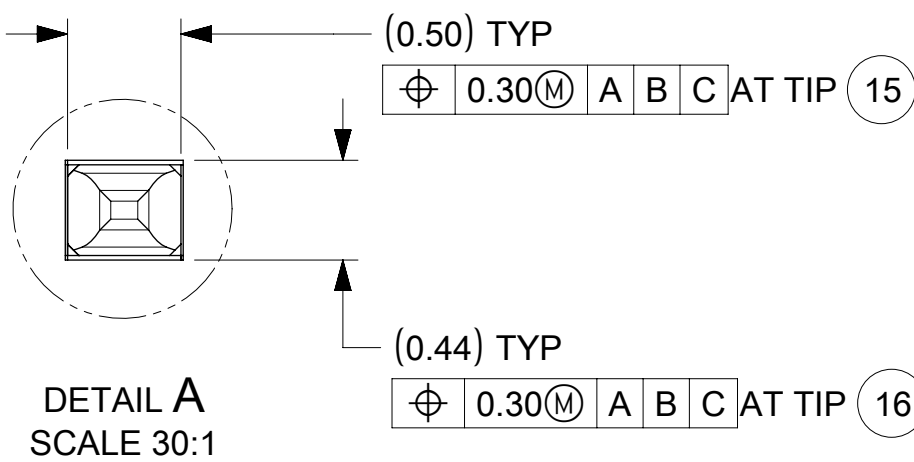
24 CKT SMT HEADER



POST-REFLOW MINIMUM LATCH HEIGHT  
24 CKT HEADER ASSEMBLY SHOWN AS EXAMPLE



\*POST REFLOW  
MINIMUM  
MEASURED FROM DATUM PADS IN  
LOWER LEFT AND RIGHT CORNERS  
TO DATUM TARGETS B3 AND B4.



|                                                                                                                                               |  |        |  |                                       |  |                 |  |                  |  |                |  |          |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--------|--|---------------------------------------|--|-----------------|--|------------------|--|----------------|--|----------|--|--------------|--|
| 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                                                                                                                                            |  | 5:1    |  |                                       |  |                 |  |                  |  |                |  |          |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |        |  | MINI50 12-24CKT SMT HDR SALES DRAWING |  |                 |  |                  |  |                |  |          |  |              |  |
| ANGULAR TOL                                                                                                                                   |  | ± 1.0° |  |                                       |  |                 |  |                  |  |                |  |          |  |              |  |
| 4 PLACES                                                                                                                                      |  | ±      |  |                                       |  |                 |  |                  |  |                |  |          |  |              |  |
| 3 PLACES                                                                                                                                      |  | ±      |  | PRODUCT CUSTOMER DRAWING              |  |                 |  |                  |  |                |  |          |  |              |  |
| 2 PLACES                                                                                                                                      |  | ± 0.1  |  |                                       |  |                 |  |                  |  |                |  |          |  |              |  |
| 1 PLACE                                                                                                                                       |  | ± 0.2  |  |                                       |  |                 |  |                  |  |                |  |          |  |              |  |
| 0 PLACES                                                                                                                                      |  | ±      |  | DOCUMENT NUMBER                       |  |                 |  | DOC TYPE         |  | DOC PART       |  | REVISION |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |        |  | THIRD ANGLE PROJECTION                |  | DRAWING         |  | SERIES           |  | SD-34897-001   |  |          |  |              |  |
|                                                                                                                                               |  |        |  |                                       |  |                 |  |                  |  |                |  |          |  |              |  |
| EC NO: 659285                                                                                                                                 |  |        |  | DRWN: SRUSS                           |  | 2021/03/16      |  | PSD              |  |                |  | 000      |  | W1           |  |
| CHK'D: KHEWITT                                                                                                                                |  |        |  | 2021/03/25                            |  |                 |  |                  |  |                |  |          |  |              |  |
| APPR: JDUNAJ                                                                                                                                  |  |        |  | 2021/03/25                            |  |                 |  |                  |  |                |  |          |  |              |  |
| INITIAL REVISION:                                                                                                                             |  |        |  | DRWN: SMAHESHBABU                     |  |                 |  | 2017/03/20       |  |                |  |          |  |              |  |
| APPR: KHEWITT                                                                                                                                 |  |        |  | 2017/06/21                            |  |                 |  |                  |  |                |  |          |  |              |  |
| D-SIZE                                                                                                                                        |  |        |  | 34897                                 |  | MATERIAL NUMBER |  |                  |  | CUSTOMER       |  |          |  | SHEET NUMBER |  |
|                                                                                                                                               |  |        |  |                                       |  |                 |  |                  |  | GENERAL MARKET |  |          |  | 2 OF 5       |  |

molex

MINI50 12-24CKT SMT HDR SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-34897-001

DOC TYPE

PSD

DOC PART

000

REVISION

W11

SHEET NUMBER

2 OF 5

DOCUMENT STATUS

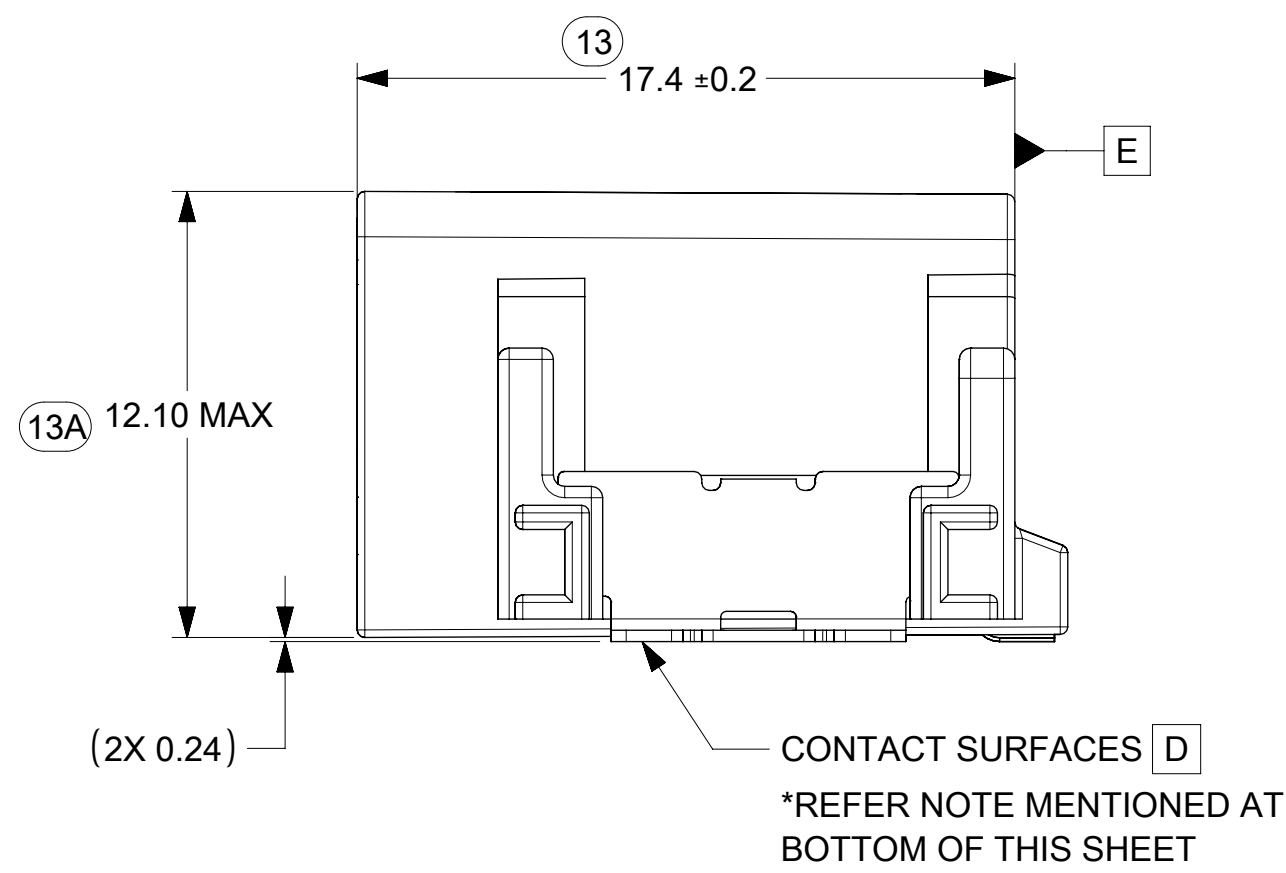
P1

RELEASE DATE

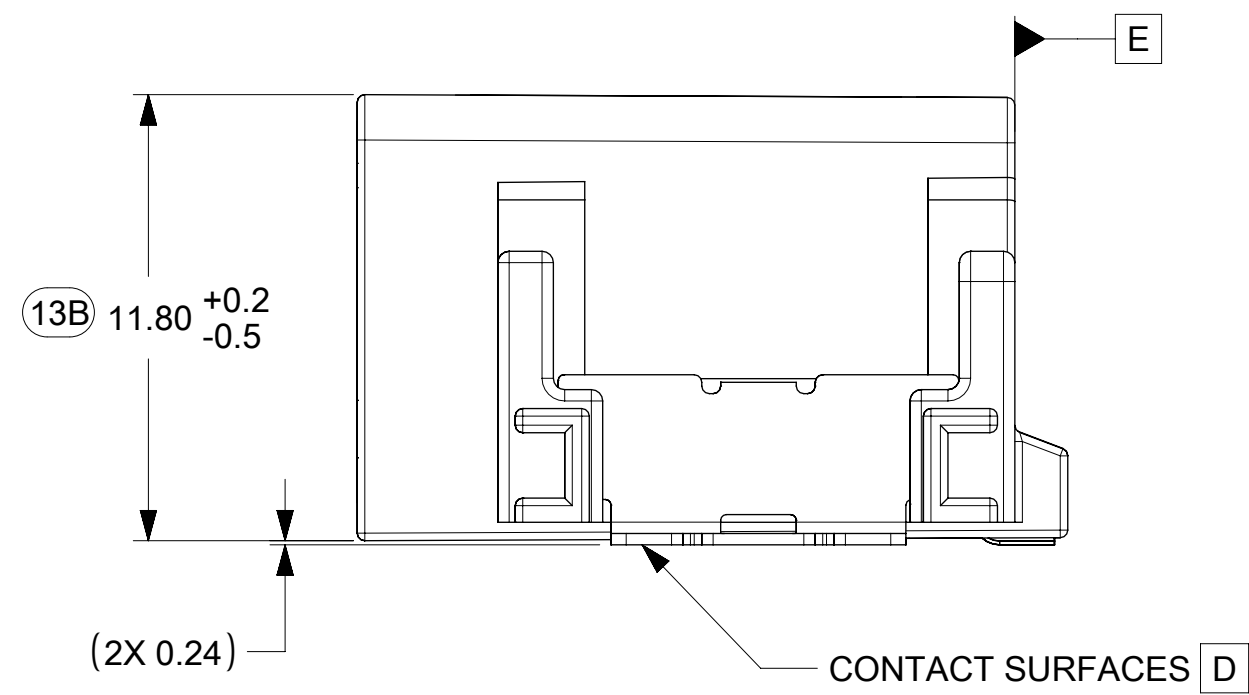
2021/03/25

19:03:47

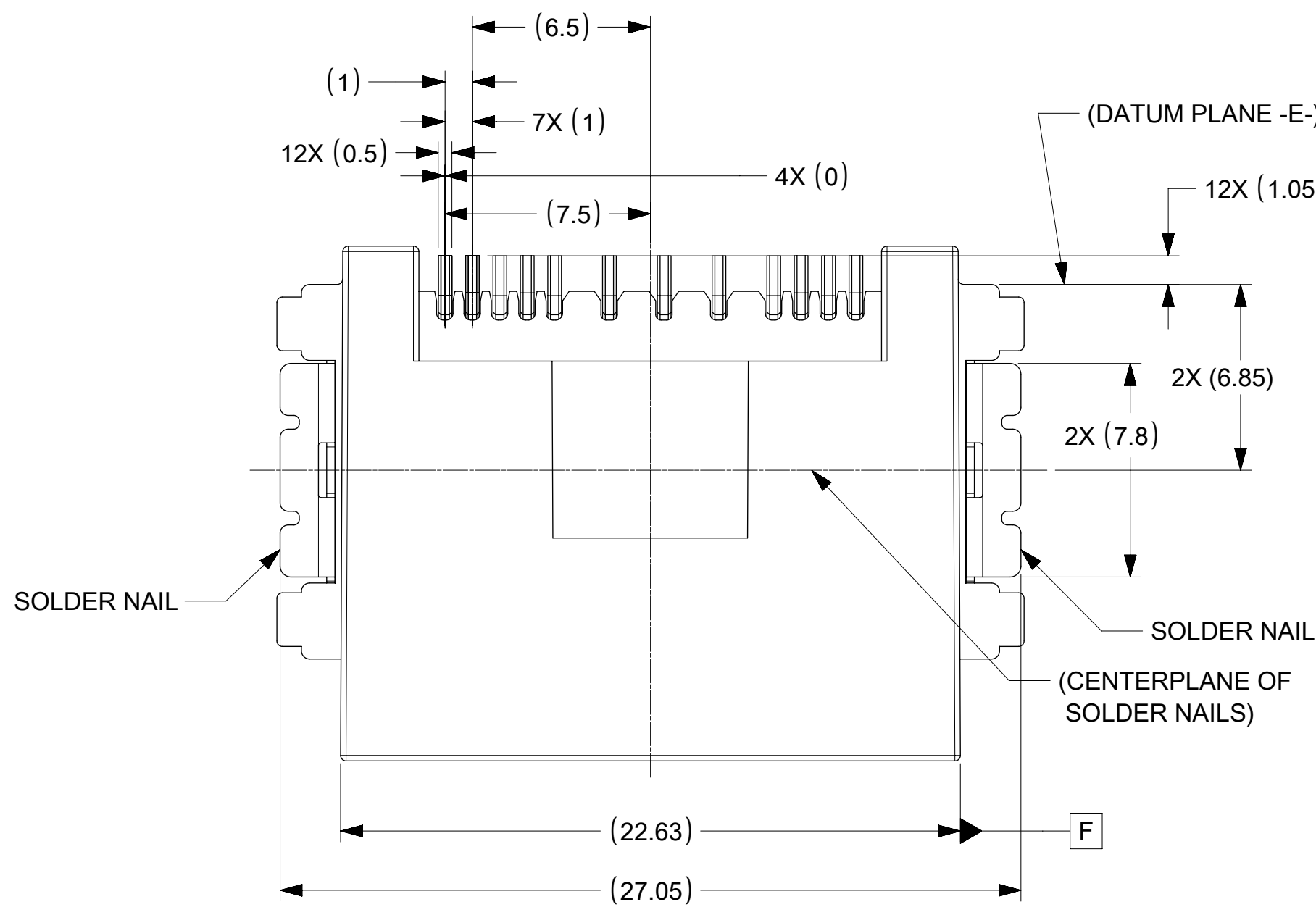
BEFORE REFLOW SOLDERING  
TEMPERATURE EXPOSURE



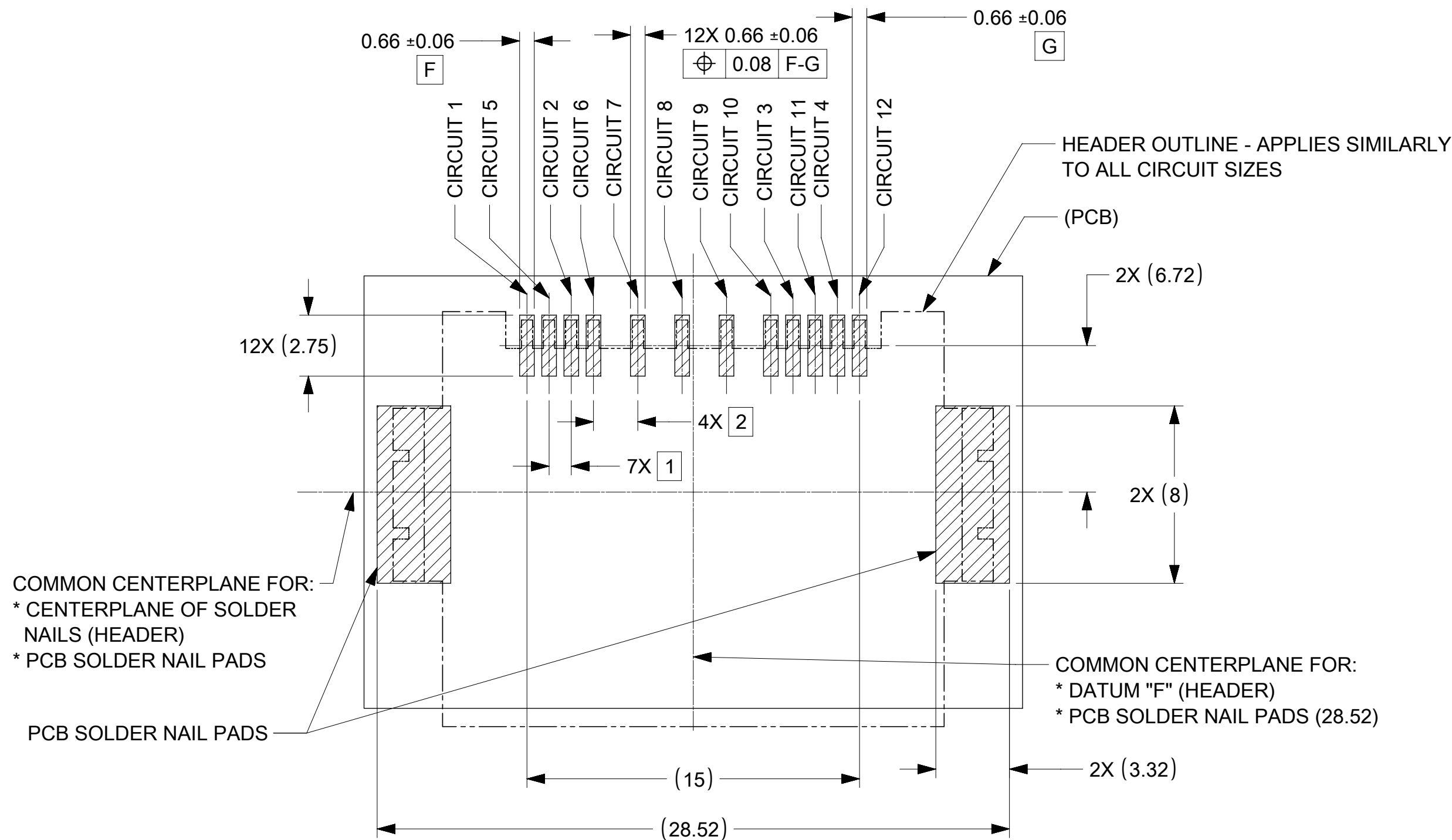
AFTER REFLOW SOLDERING  
TEMPERATURE EXPOSURE



NOTE:  
CONTACTS PER CKT:  
12 CKT - 14 CONTACTS  
16 CKT - 18 CONTACTS  
20 CKT - 22 CONTACTS  
24 CKT - 26 CONTACTS



12 CKT SMT HEADER (BOTTOM VIEW)  
(OTHER CIRCUIT SIZES ARE SIMILAR)



12 CKT PCB LAYOUT

|                                                                                                                                               |          |          |          |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|--|------------|--|-----------------|----------|----------------|----------|--------------|-----|-----|-----|
| 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:                                                                                                                                                                                                                                                                                              |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| mm                                                                                                                                            |          | 5:1      |          |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |          |          |          | <div>molex</div><br><br>MINI50 12-24CKT SMT HDR SALES DRAWING<br><br><br><br><br><br><br><br><br><br><div>PRODUCT CUSTOMER DRAWING</div> <table><tr><td>DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td>SD-34897-001</td><td>PSD</td><td>000</td><td>W11</td></tr></table> |  |            |  |            |  | DOCUMENT NUMBER | DOC TYPE | DOC PART       | REVISION | SD-34897-001 | PSD | 000 | W11 |
| DOCUMENT NUMBER                                                                                                                               | DOC TYPE | DOC PART | REVISION |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| SD-34897-001                                                                                                                                  | PSD      | 000      | W11      |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| ANGULAR TOL                                                                                                                                   |          | ±        | 1.0°     |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| 4 PLACES                                                                                                                                      |          | ±        |          |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| 3 PLACES                                                                                                                                      |          | ±        |          |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| 2 PLACES                                                                                                                                      |          | ±        | 0.1      |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| 1 PLACE                                                                                                                                       |          | ±        | 0.2      |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| 0 PLACES                                                                                                                                      |          | ±        |          |                                                                                                                                                                                                                                                                                                                |  |            |  |            |  |                 |          |                |          |              |     |     |     |
| EC NO: 659285<br>DRWN: SRUSS<br>CHK'D: KHEWITT<br>APPR: JDUNAJ<br><br>INITIAL REVISION:<br>DRWN: SMAHESHBABU<br>APPR: KHEWITT                 |          |          |          | 2021/03/16                                                                                                                                                                                                                                                                                                     |  | 2021/03/25 |  | 2021/03/25 |  |                 |          |                |          |              |     |     |     |
|                                                                                                                                               |          |          |          | 2017/03/20                                                                                                                                                                                                                                                                                                     |  | 2017/06/21 |  |            |  |                 |          |                |          |              |     |     |     |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |          |          |          | THIRD ANGLE PROJECTION                                                                                                                                                                                                                                                                                         |  | DRAWING    |  | SERIES     |  | MATERIAL NUMBER |          | CUSTOMER       |          | SHEET NUMBER |     |     |     |
|                                                                                                                                               |          |          |          |                                                                                                                                                                                                                                                                                                                |  | D-SIZE     |  | 34897      |  |                 |          | GENERAL MARKET |          | 3 OF 5       |     |     |     |

molex

MINI50 12-24CKT SMT HDR SALES DRAWING

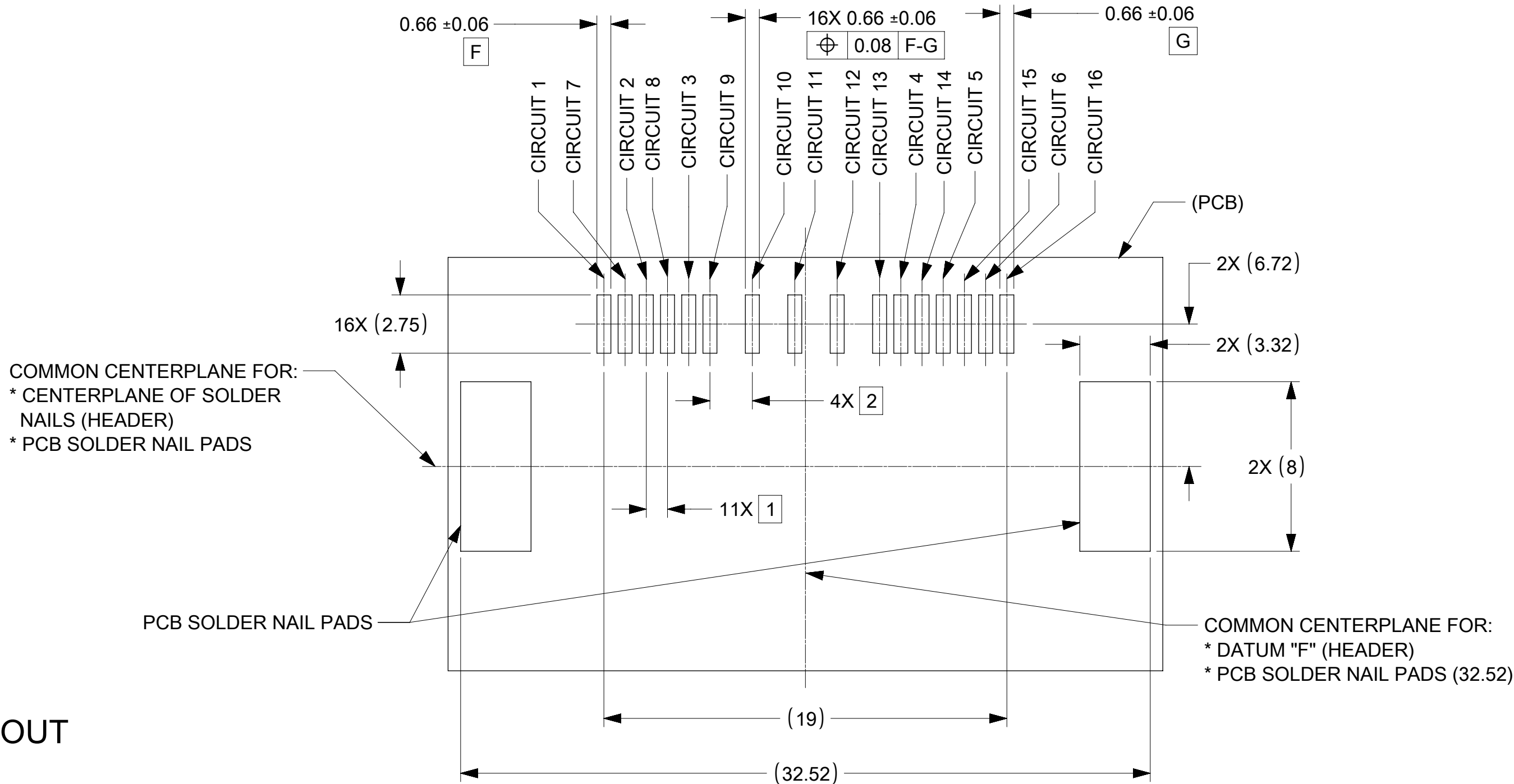
PRODUCT CUSTOMER DRAWING

|                 |          |          |          |
|-----------------|----------|----------|----------|
| DOCUMENT NUMBER | DOC TYPE | DOC PART | REVISION |
| SD-34897-001    | PSD      | 000      | W11      |

|                 |                |              |
|-----------------|----------------|--------------|
| MATERIAL NUMBER | CUSTOMER       | SHEET NUMBER |
|                 | GENERAL MARKET | 3 OF 5       |

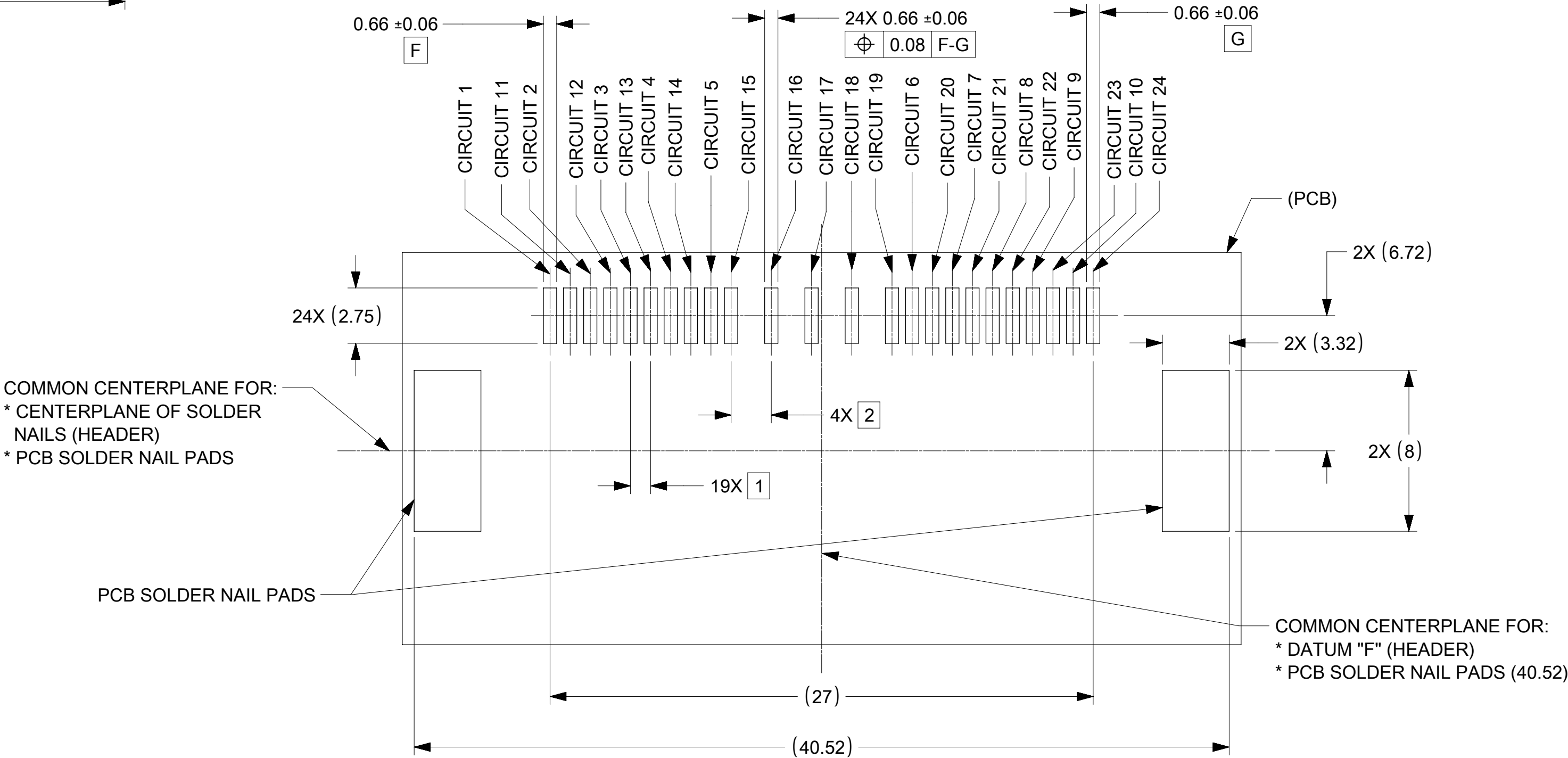
|                 |    |              |            |          |
|-----------------|----|--------------|------------|----------|
| DOCUMENT STATUS | P1 | RELEASE DATE | 2021/03/25 | 19:03:47 |
|-----------------|----|--------------|------------|----------|

16 CKT PCB LAYOUT

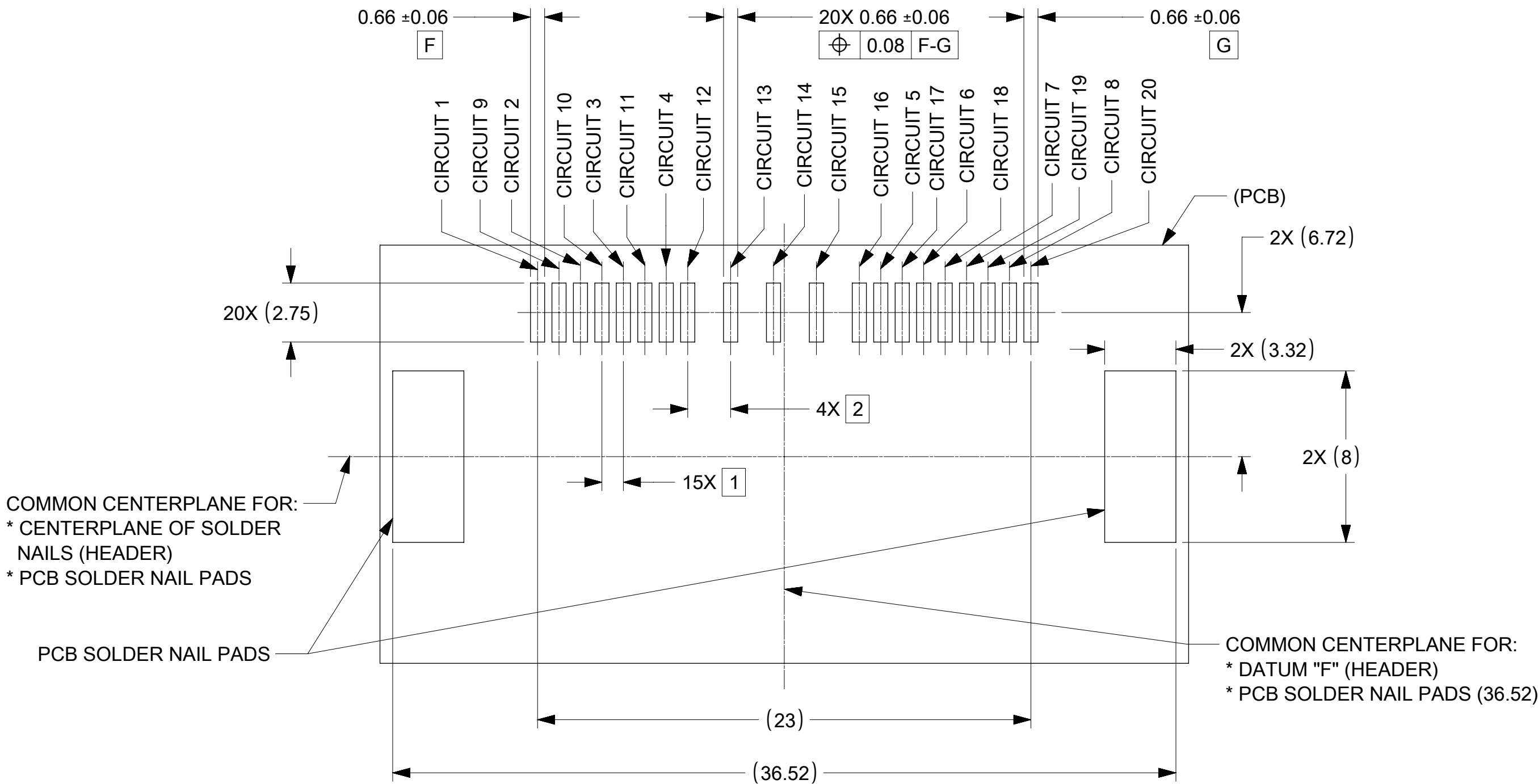


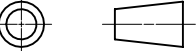
RECOMMENDED PCB LAYOUT:

24 CKT PCB LAYOUT



20 CKT PCB LAYOUT



|                                                                                                                                               |  |       |  |                                                                                       |  |          |  |                  |  |                 |  |                |  |              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|---------------------------------------------------------------------------------------|--|----------|--|------------------|--|-----------------|--|----------------|--|--------------|--|
| 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                                                                                                                                            |  | 5:1   |  |                                                                                       |  |          |  |                  |  |                 |  |                |  |              |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  |       |  | MINI50 12-24CKT SMT HDR SALES DRAWING                                                 |  |          |  |                  |  |                 |  |                |  |              |  |
| ANGULAR TOL ± 1.0 °                                                                                                                           |  |       |  |                                                                                       |  |          |  |                  |  |                 |  |                |  |              |  |
| 4 PLACES                                                                                                                                      |  | ±     |  |                                                                                       |  |          |  |                  |  |                 |  |                |  |              |  |
| 3 PLACES                                                                                                                                      |  | ±     |  |                                                                                       |  |          |  |                  |  |                 |  |                |  |              |  |
| 2 PLACES                                                                                                                                      |  | ± 0.1 |  | PRODUCT CUSTOMER DRAWING                                                              |  |          |  |                  |  |                 |  |                |  |              |  |
| 1 PLACE                                                                                                                                       |  | ± 0.2 |  |                                                                                       |  |          |  |                  |  |                 |  |                |  |              |  |
| 0 PLACES                                                                                                                                      |  | ±     |  | DOCUMENT NUMBER                                                                       |  | DOC TYPE |  | DOC PART         |  | REVISION        |  |                |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | THIRD ANGLE PROJECTION                                                                |  |          |  | SD-34897-001     |  | PSD             |  | 000            |  | W11          |  |
|                                                                                                                                               |  |       |  |                                                                                       |  |          |  |                  |  |                 |  |                |  |              |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                    |  |       |  | THIRD ANGLE PROJECTION                                                                |  | DRAWING  |  | SERIES           |  | MATERIAL NUMBER |  | CUSTOMER       |  | SHEET NUMBER |  |
|                                                                                                                                               |  |       |  |  |  | D-SIZE   |  | 34897            |  |                 |  | GENERAL MARKET |  | 4 OF 5       |  |

molex

MINI50 12-24CKT SMT HDR SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER  
SD-34897-001  
DOC TYPE  
PSD  
DOC PART  
000  
REVISION  
W11

MATERIAL NUMBER  
CUSTOMER  
GENERAL MARKET  
SHEET NUMBER  
4 OF 5

# MINI50 SMT DUAL ROW HEADER ASSEMBLIES

| CIRCUIT | POL | COLOR     | MATERIAL NUMBER                |                                         | BLADE PLATING | FLAMMABILITY |
|---------|-----|-----------|--------------------------------|-----------------------------------------|---------------|--------------|
|         |     |           | TUBE PACKAGING<br>PK-31301-688 | TAPE AND REEL PACKAGING<br>PK-31301-786 |               |              |
| 12      | A   | BLACK     | 34897-9120                     | 34897-8120                              | TIN           | HB           |
|         | B   | GRAY      | 34897-9121                     | 34897-8121                              | TIN           |              |
|         | C   | DARK GRAY | 34897-9122                     | 34897-8122                              | TIN           |              |
| 16      | A   | BLACK     | 34897-9160                     | 34897-8160                              | TIN           | HB           |
|         | B   | GRAY      | 34897-9161                     | 34897-8161                              | TIN           |              |
|         | C   | DARK GRAY | 34897-9162                     | 34897-8162                              | TIN           |              |
| 20      | A   | BLACK     | 34897-9200                     | 34897-8200                              | TIN           | HB           |
|         | B   | GRAY      | 34897-9201                     | 34897-8201                              | TIN           |              |
|         | C   | DARK GRAY | 34897-9202                     | 34897-8202                              | TIN           |              |
| 24      | A   | BLACK     | 34897-9240                     | 34897-8240                              | TIN           | HB           |
|         | B   | GRAY      | 34897-9241                     | 34897-8241                              | TIN           |              |
|         | C   | DARK GRAY | 34897-9242                     | 34897-8242                              | TIN           |              |
| 12      | A   | BLACK     | 215423-9120                    | 215423-8120                             | TIN           | V0           |
|         | B   | GRAY      | 215423-9121                    | 215423-8121                             | TIN           |              |
|         | C   | DARK GRAY | 215423-9122                    | 215423-8122                             | TIN           |              |
| 16      | A   | BLACK     | 215423-9160                    | 215423-8160                             | TIN           | V0           |
|         | B   | GRAY      | 215423-9161                    | 215423-8161                             | TIN           |              |
|         | C   | DARK GRAY | 215423-9162                    | 215423-8162                             | TIN           |              |
| 20      | A   | BLACK     | 215423-9200                    | 215423-8200                             | TIN           | V0           |
|         | B   | GRAY      | 215423-9201                    | 215423-8201                             | TIN           |              |
|         | C   | DARK GRAY | 215423-9202                    | 215423-8202                             | TIN           |              |
| 24      | A   | BLACK     | 215423-9240                    | 215423-8240                             | TIN           | V0           |
|         | B   | GRAY      | 215423-9241                    | 215423-8241                             | TIN           |              |
|         | C   | DARK GRAY | 215423-9242                    | 215423-8242                             | TIN           |              |
| 12      | A   | BLACK     | 34897-5120                     | 34897-6120                              | GOLD          | HB           |
|         | B   | GRAY      | 34897-5121                     | 34897-6121                              | GOLD          |              |
|         | C   | DARK GRAY | 34897-5122                     | 34897-6122                              | GOLD          |              |
| 16      | A   | BLACK     | 34897-5160                     | 34897-6160                              | GOLD          | HB           |
|         | B   | GRAY      | 34897-5161                     | 34897-6161                              | GOLD          |              |
|         | C   | DARK GRAY | 34897-5162                     | 34897-6162                              | GOLD          |              |
| 20      | A   | BLACK     | 34897-5200                     | 34897-6200                              | GOLD          | HB           |
|         | B   | GRAY      | 34897-5201                     | 34897-6201                              | GOLD          |              |
|         | C   | DARK GRAY | 34897-5202                     | 34897-6202                              | GOLD          |              |
| 24      | A   | BLACK     | 34897-5240                     | 34897-6240                              | GOLD          | HB           |
|         | B   | GRAY      | 34897-5241                     | 34897-6241                              | GOLD          |              |
|         | C   | DARK GRAY | 34897-5242                     | 34897-6242                              | GOLD          |              |
| 12      | A   | BLACK     | 215423-5120                    | 215423-6120                             | GOLD          | V0           |
|         | B   | GRAY      | 215423-5121                    | 215423-6121                             | GOLD          |              |
|         | C   | DARK GRAY | 215423-5122                    | 215423-6122                             | GOLD          |              |
| 16      | A   | BLACK     | 215423-5160                    | 215423-6160                             | GOLD          | V0           |
|         | B   | GRAY      | 215423-5161                    | 215423-6161                             | GOLD          |              |
|         | C   | DARK GRAY | 215423-5162                    | 215423-6162                             | GOLD          |              |
| 20      | A   | BLACK     | 215423-5200                    | 215423-6200                             | GOLD          | V0           |
|         | B   | GRAY      | 215423-5201                    | 215423-6201                             | GOLD          |              |
|         | C   | DARK GRAY | 215423-5202                    | 215423-6202                             | GOLD          |              |
| 24      | A   | BLACK     | 215423-5240                    | 215423-6240                             | GOLD          | V0           |
|         | B   | GRAY      | 215423-5241                    | 215423-6241                             | GOLD          |              |
|         | C   | DARK GRAY | 215423-5242                    | 215423-6242                             | GOLD          |              |

## MATING COMPONENTS

FOR ALL MATING COMPONENT PART NUMBERS SEE THE FOLLOWING SALES DRAWINGS

- GEN I RECEPTACLE ONLY: SD-34824-002

- GEN I RECEPTACLE WITH CPA: SD-34824-003

- GEN II: 2065230000

|                                                                                                                                               |  |                                                            |  |                                                                                                                                                                                                               |  |                                                                                                                                                                 |  |                               |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------|--|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                                                            |  |                                                                                                                                                                                                               |  |                                                                                                                                                                 |  |                               |  |
| DIMENSION UNITS<br><b>mm</b>                                                                                                                  |  | SCALE<br><b>1:1</b>                                        |  | CURRENT REV DESC:<br><br>EC NO: 659285<br>DRWN: SRUSS 2021/03/16<br>CHK'D: KHEWITT 2021/03/25<br>APPR: JDUNAJ 2021/03/25<br><br>INITIAL REVISION:<br>DRWN: SMAHESHBABU 2017/03/20<br>APPR: KHEWITT 2017/06/21 |  | <div style="text-align: center; font-size: 2em; font-weight: bold;">molex</div><br><div style="text-align: center;">MINI50 12-24CKT SMT HDR SALES DRAWING</div> |  |                               |  |
| GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                                                                                                      |  | ANGULAR TOL ± 1.0°                                         |  |                                                                                                                                                                                                               |  |                                                                                                                                                                 |  |                               |  |
| 4 PLACES ±                                                                                                                                    |  | 3 PLACES ±                                                 |  |                                                                                                                                                                                                               |  | PRODUCT CUSTOMER DRAWING                                                                                                                                        |  |                               |  |
| 2 PLACES ± 0.1                                                                                                                                |  | 1 PLACE ± 0.2                                              |  |                                                                                                                                                                                                               |  |                                                                                                                                                                 |  |                               |  |
| 0 PLACES ±                                                                                                                                    |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | THIRD ANGLE PROJECTION<br>                                                                                               |  | DRAWING<br><b>D-SIZE</b>                                                                                                                                        |  | SERIES<br><b>34897</b>        |  |
|                                                                                                                                               |  |                                                            |  | MATERIAL NUMBER                                                                                                                                                                                               |  | CUSTOMER<br><b>GENERAL MARKET</b>                                                                                                                               |  | SHEET NUMBER<br><b>5 OF 5</b> |  |
|                                                                                                                                               |  |                                                            |  | DOCUMENT NUMBER<br><b>SD-34897-001</b>                                                                                                                                                                        |  | DOC TYPE<br><b>PSD</b>                                                                                                                                          |  | DOC PART<br><b>000</b>        |  |
|                                                                                                                                               |  |                                                            |  |                                                                                                                                                                                                               |  | REVISION<br><b>W11</b>                                                                                                                                          |  |                               |  |