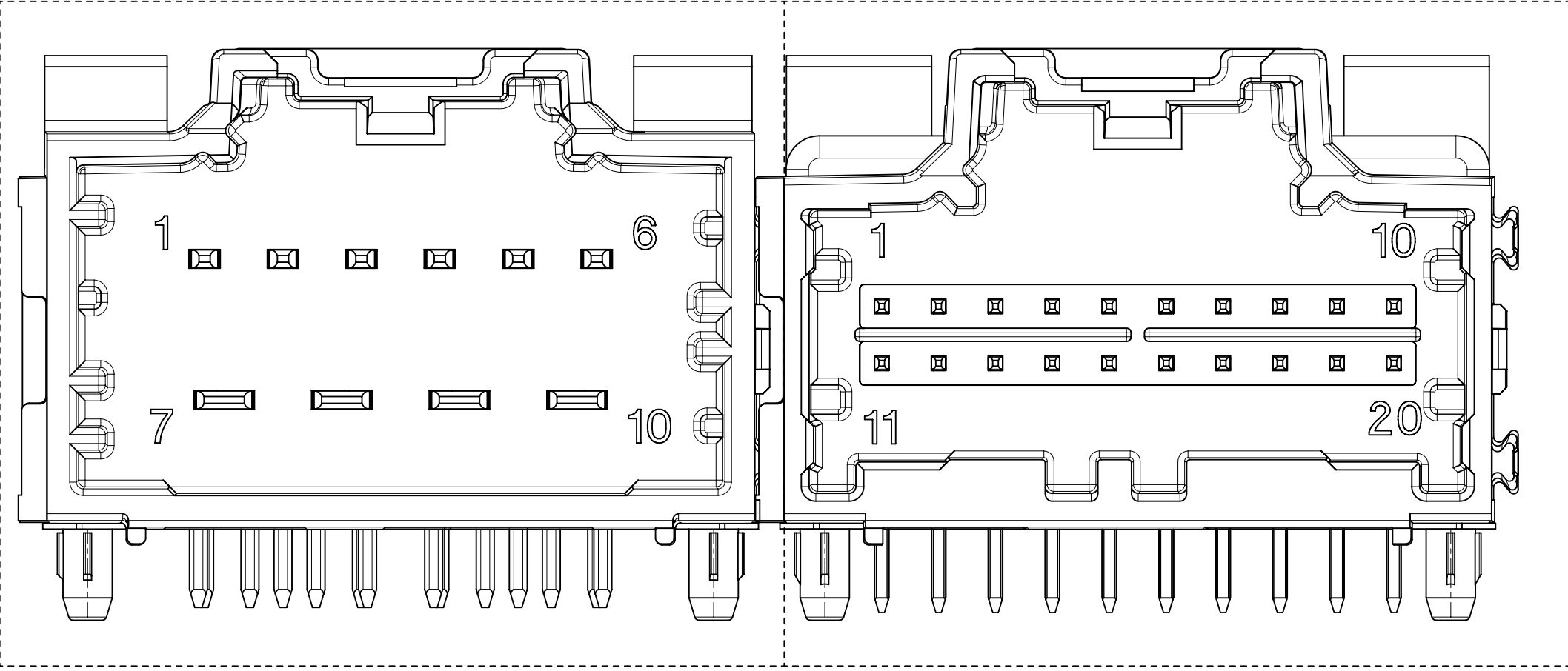


2 BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY  
(P/N: 34708-2012 SHOWN)

BAY 'A'

BAY 'B'



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. CONNECTOR HEADER MUST BE VALIDATED TO THE FOLLOWING FUNCTIONAL REQUIREMENTS:  
PRODUCT SPECIFICATION:  
8-20 CKT 0.64 PRODUCT SPEC: PS-34729-020/PS-31408-100  
10/14 CKT HYBRID PRODUCT SPEC: PS-31372-100
- b. APPLICATION REQUIREMENTS (REFERENCE ONLY):  
APPLICATION SPECIFICATION: AS-34729-020/AS-31408-100
- c. PACKAGING SPECIFICATION PER MOLEX DRAWING PK-31300-892 (TRAY)
- d. PACKAGING SPECIFICATION PER MOLEX DRAWING PK-31301-063 (TUBE)
- e. PACKAGING SPECIFICATION PER MOLEX DRAWING PK-31300-894 (ALT TRAY)

2. DESIGN: MATERIALS:

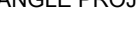
- a. SHROUD (PLASTIC HOUSING):  
RESIN - SPS 30%GF  
COLOR:  
POL A - BLACK  
POL B - GRAY  
POL C - BROWN  
POL D - GREEN
- b. 0.64mm PINS:  
BASE MATERIAL: C26000  
PLATING TYPE: AS NOTED
- 1.5/2.8mm BLADES:  
BASE MATERIAL: C19400  
PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:

- a. UNDERPLATING - OVERALL NICKEL
- b. OVERPLATING - OVERALL TIN

4. FOR ADDITIONAL INFORMATION AND DIMENSIONS OF INDIVIDUAL BAYS  
REFER TO THE FOLLOWING SINGLE BAY DRAWINGS:  
8-20 CKT 0.64: SD-34691-100  
10 CKT HYBRID: SD-34696-100  
14 CKT HYBRID: SD-34773-010

5. G DENOTES DIMENSIONS THAT MAY BE QUALIFIED WITH A GAUGE.

| QUALITY SYMBOLS                                                                       |     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |                                       |                                                            |                 |              |              |                                                                                       |                |                                                           |          |                 |              |          |
|---------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------|------------------------------------------------------------|-----------------|--------------|--------------|---------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------|----------|-----------------|--------------|----------|
|  | = 0 | EC NO: 118495<br>DRWN: RYELAVATTITH<br>CHKD: JFISCHER01<br>REV: APPR: JFISCHER01                                                              | 2017/06/13<br>2017/08/27 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION UNITS                                            |                 | SCALE        |              |  |                |                                                           |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       | MM                                                         |                 | 4:1          |              |                                                                                       |                |                                                           |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       | DRWN BY                                                    |                 | DATE         |              |                                                                                       |                |                                                           |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       | ANGULAR TOL ± 1.0 °                                        |                 | MBAILEY      |              | 2008/08/14                                                                            |                | 2-BAY STAC64 RIGHT ANGLE<br>HEADER ASSEMBLY SALES DRAWING |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       | 4 PLACES ±                                                 |                 | CHK'D BY     |              | DATE                                                                                  |                |                                                           |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       | 3 PLACES ±                                                 |                 | CDILLON      |              | 2009/02/17                                                                            |                |                                                           |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       | 2 PLACES ± 0.13                                            |                 | APPR BY      |              | DATE                                                                                  |                | PRODUCT CUSTOMER DRAWING                                  |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       | 1 PLACE ± 0.25                                             |                 | SMARCEAU     |              | 2008/08/14                                                                            |                |                                                           |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       | 0 PLACES ±                                                 |                 | DRAWING SIZE |              | THIRD ANGLE PROJECTION                                                                |                |                                                           |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                 | D            |              |  |                | SERIES                                                    |          | MATERIAL NUMBER |              | CUSTOMER |
|  | = 0 | W1                                                                                                                                            |                          | REV                                   |                                                            | 34708           |              | SEE CHART    |                                                                                       | GENERAL MARKET |                                                           |          |                 |              |          |
|  | = 0 |                                                                                                                                               |                          |                                       |                                                            | DOCUMENT NUMBER |              | SD-34708-200 |                                                                                       | DOC TYPE       |                                                           | DOC PART |                 | SHEET NUMBER |          |
|  | = 0 |                                                                                                                                               |                          |                                       |                                                            |                 |              |              |                                                                                       | PSD            |                                                           | 001      |                 | 1 OF 6       |          |

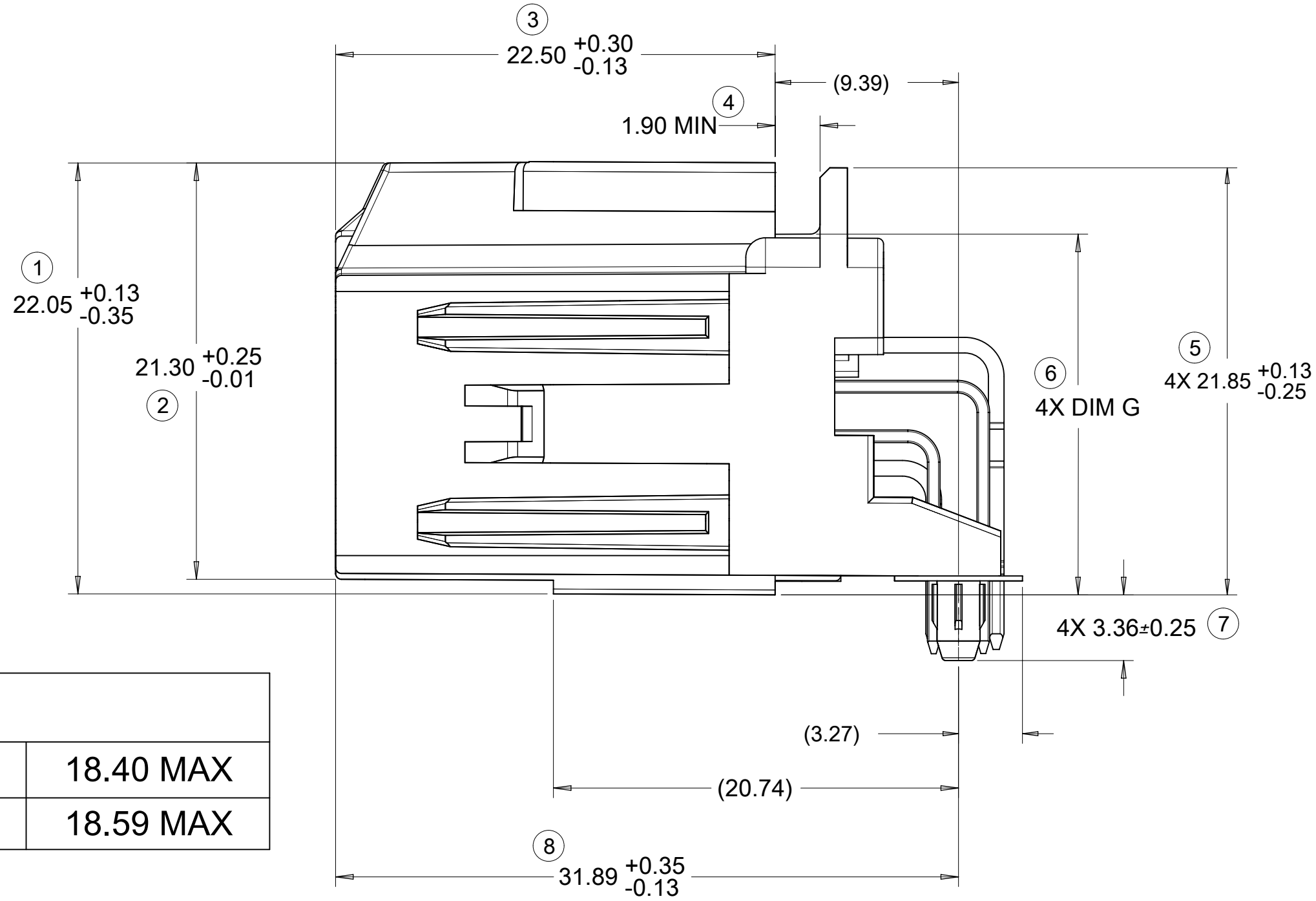
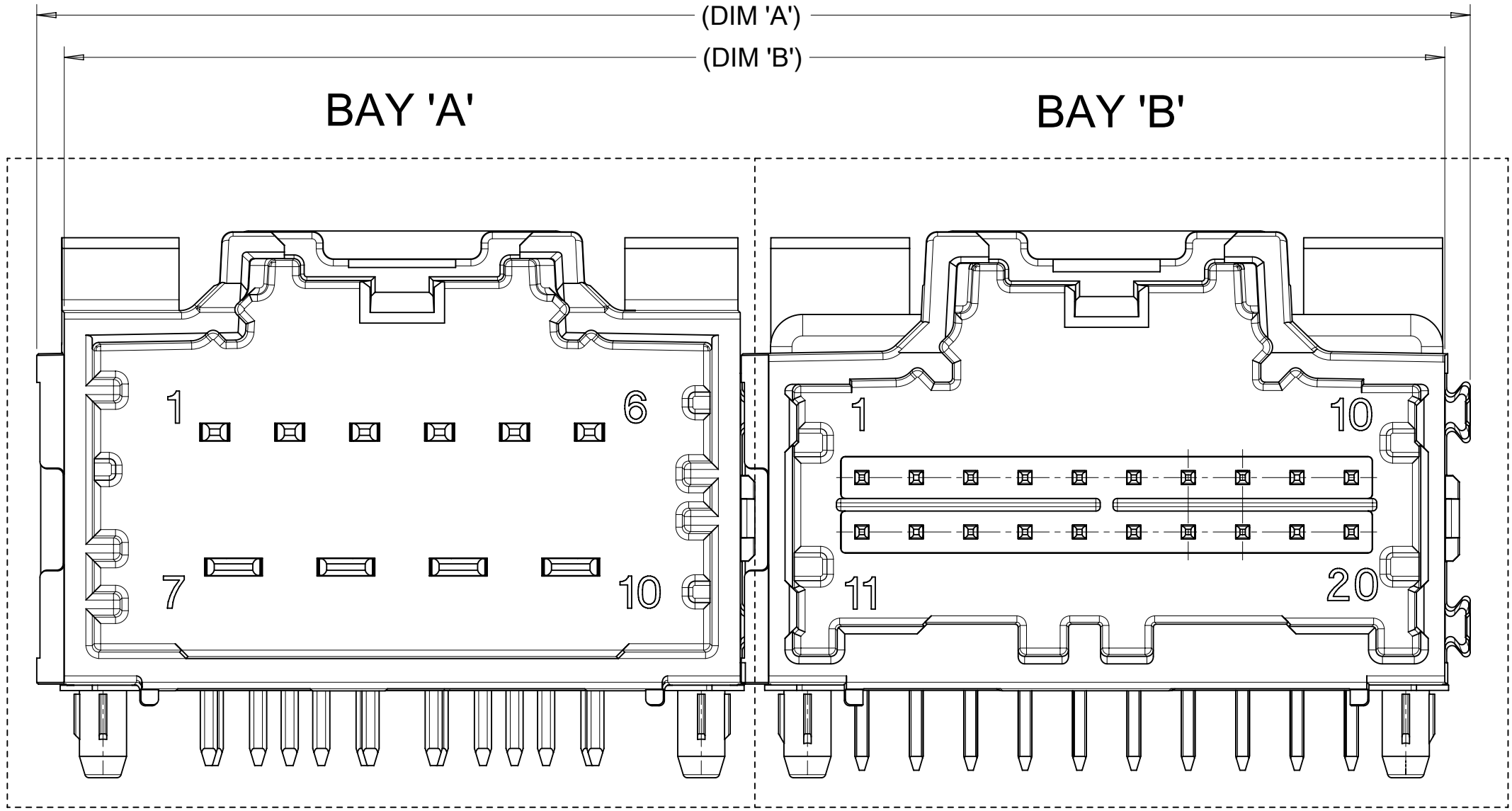








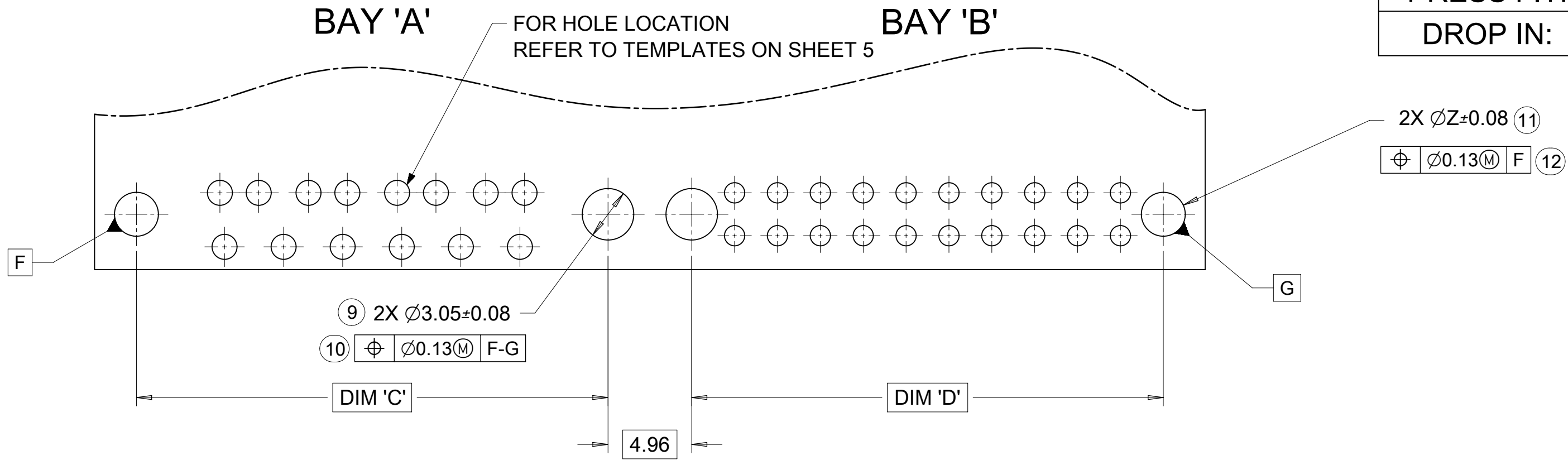




| FOR DIM G:      |           |
|-----------------|-----------|
| 8-20CKT 0.64mm  | 18.40 MAX |
| 10/14CKT Hybrid | 18.59 MAX |

### RECOMMENDED PCB LAYOUT

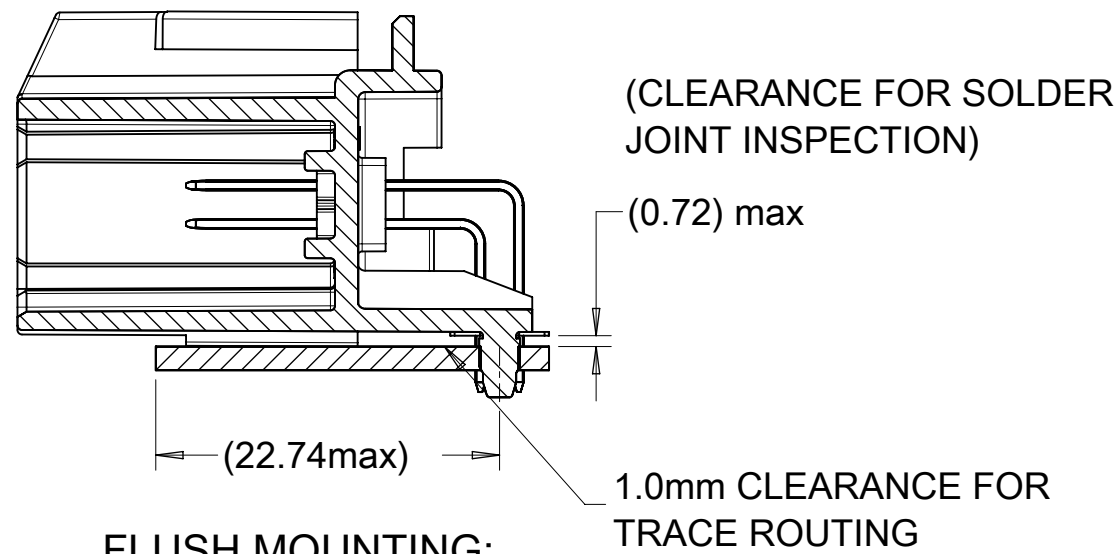
INSERT NECESSARY BAYS USING CHART ON SHEET 2 AND 3



### POST HOLE TABLE:

| FOR DIM Z: |      |
|------------|------|
| PRESS FIT: | 2.60 |
| DROP IN:   | 3.05 |

### ALL CIRCUIT OPTIONS

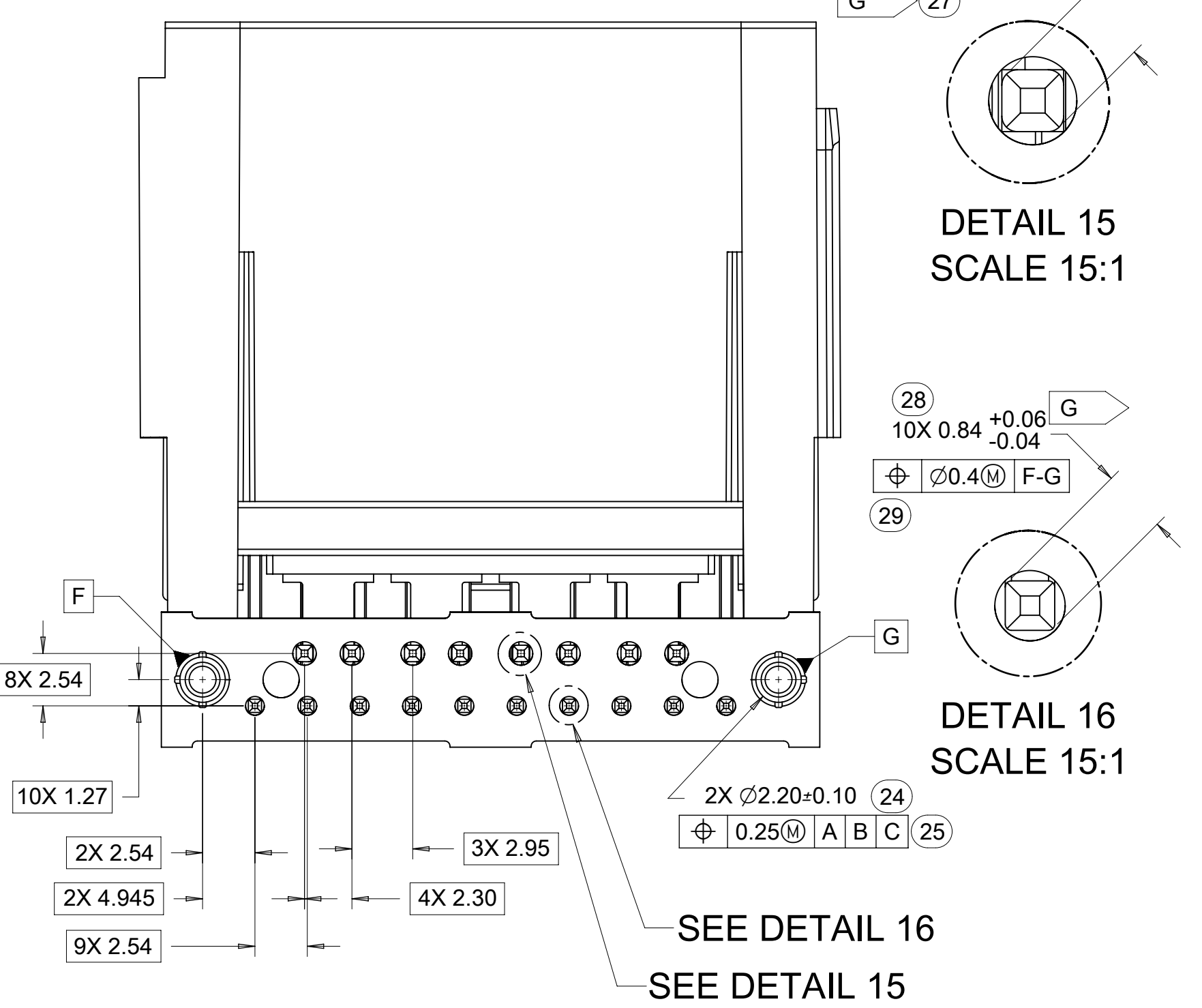
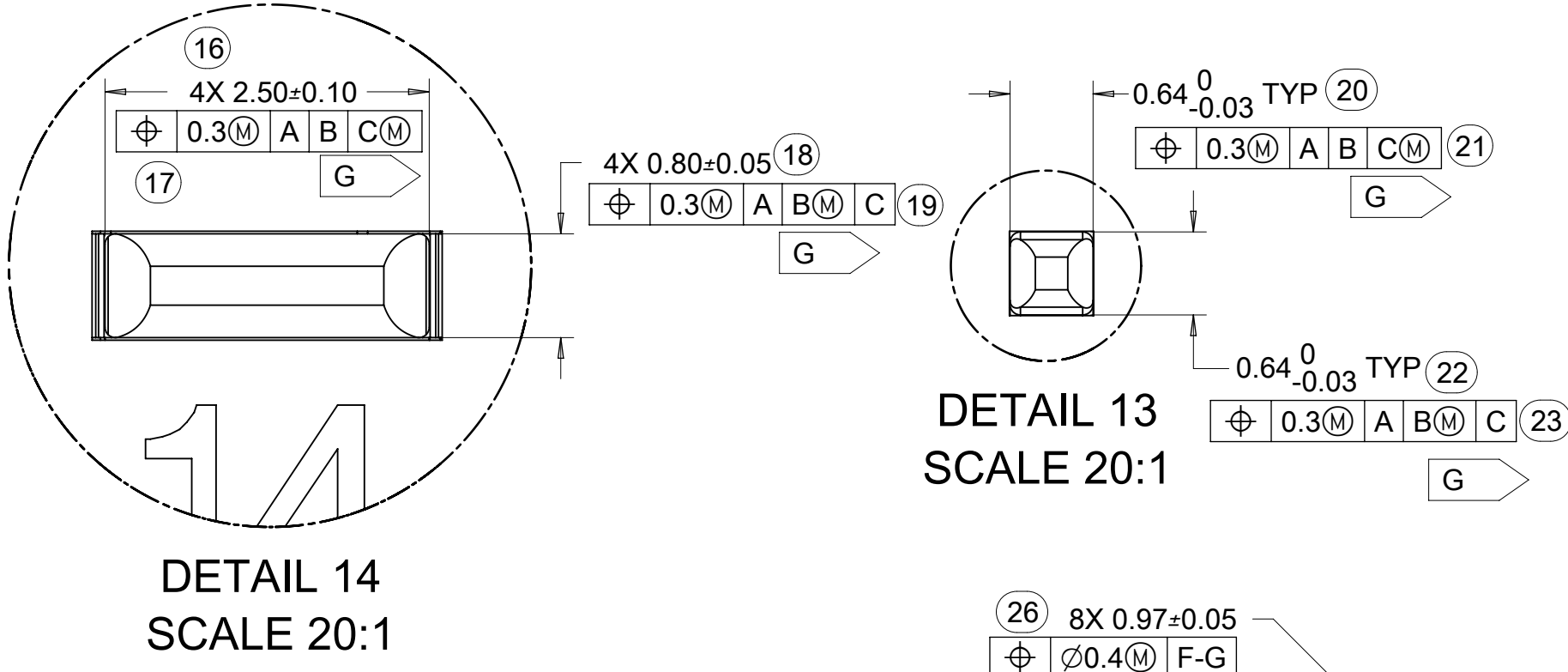
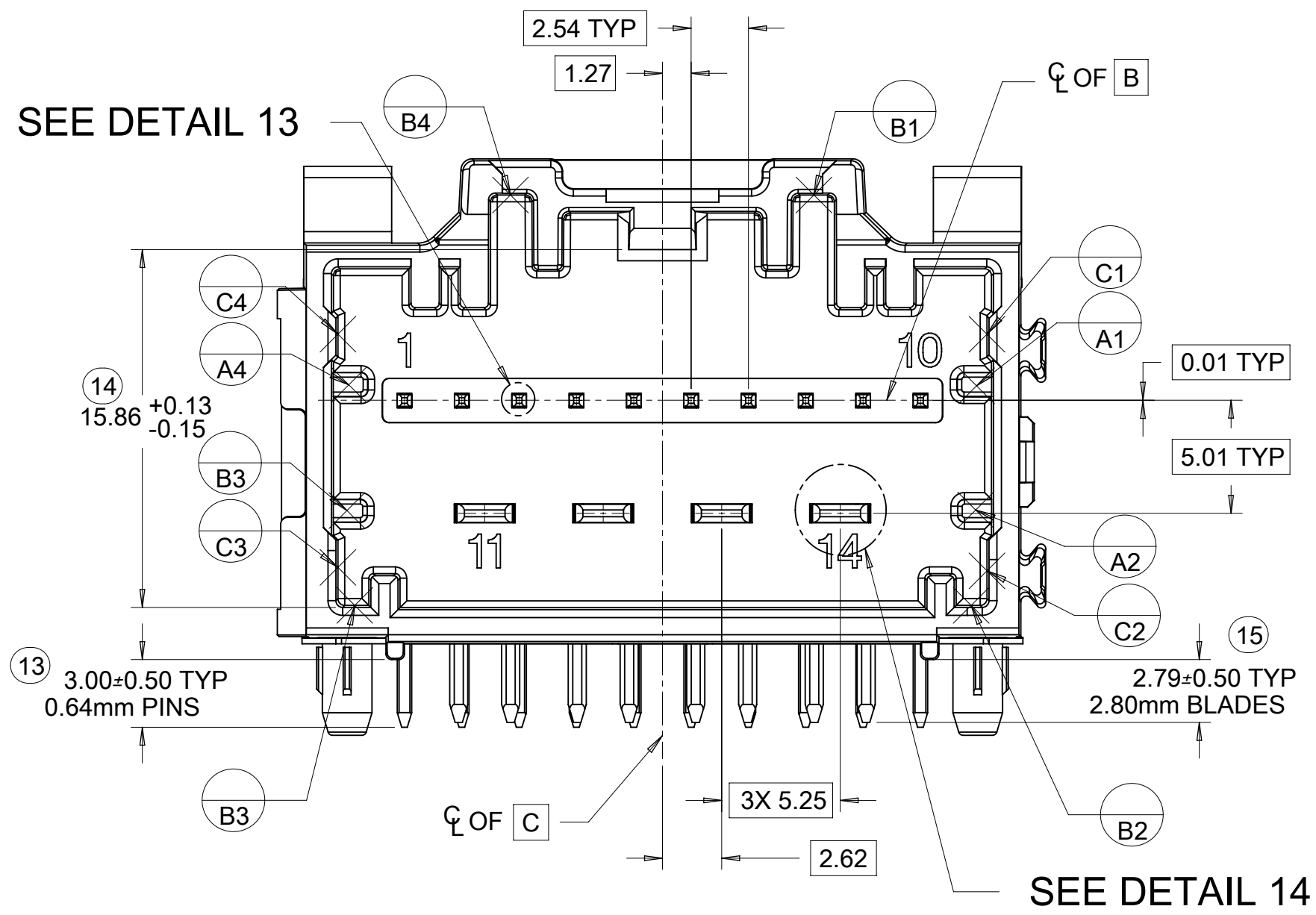


FLUSH MOUNTING:  
HEADER-TO-PCB  
SCALE 2:1

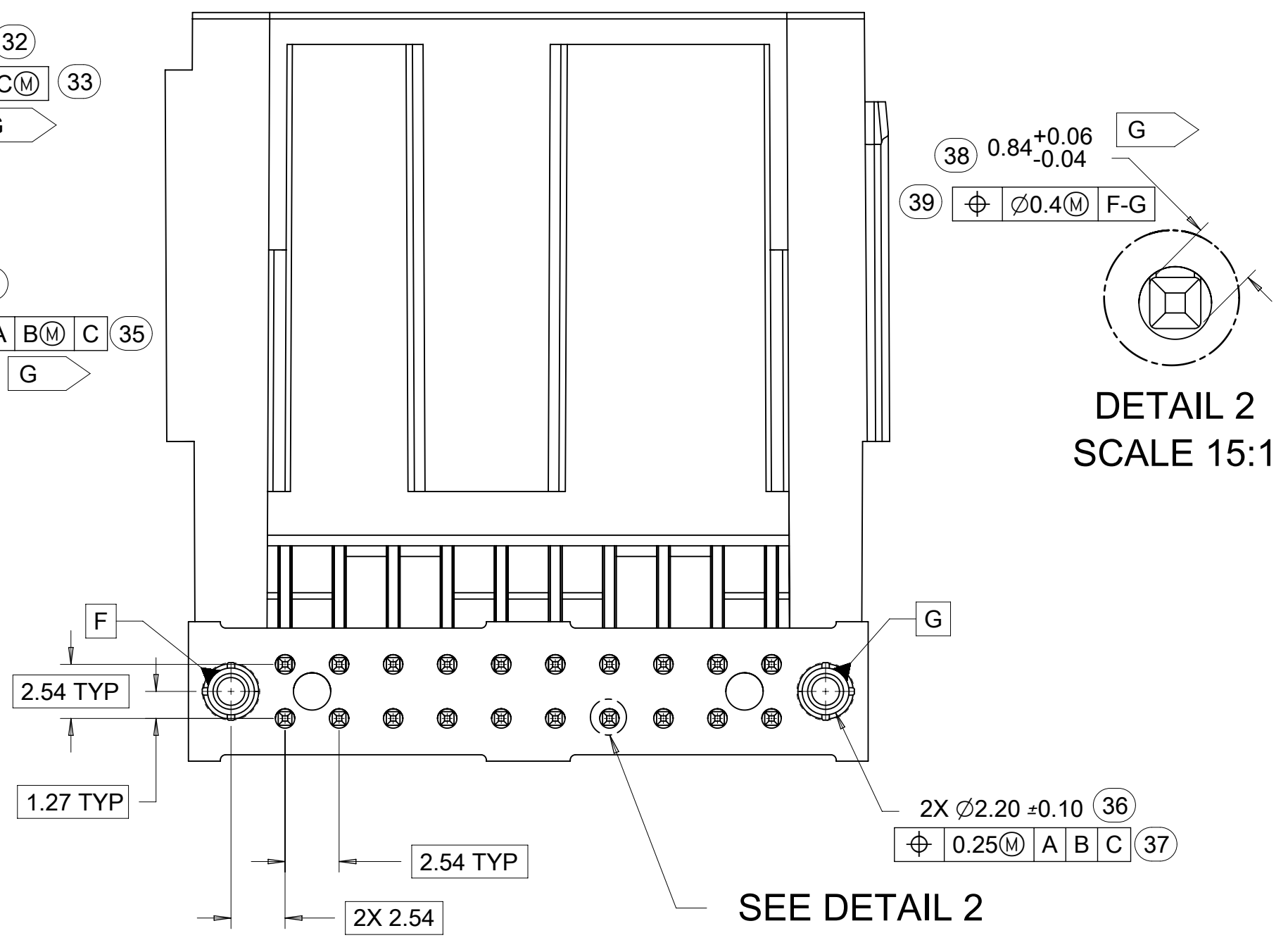
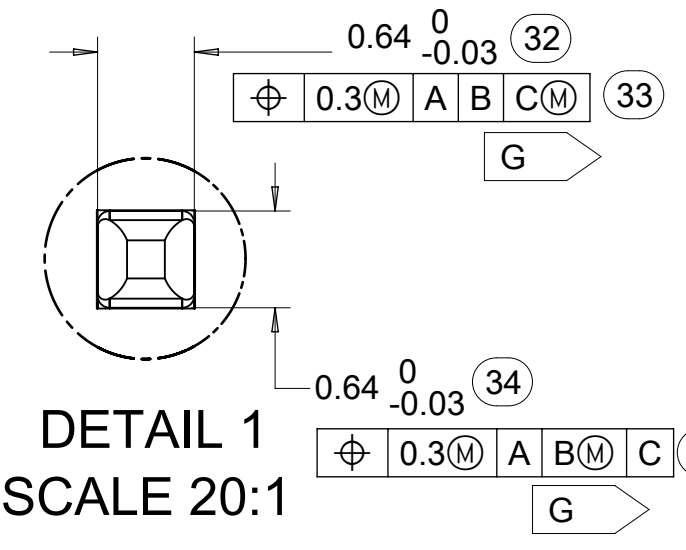
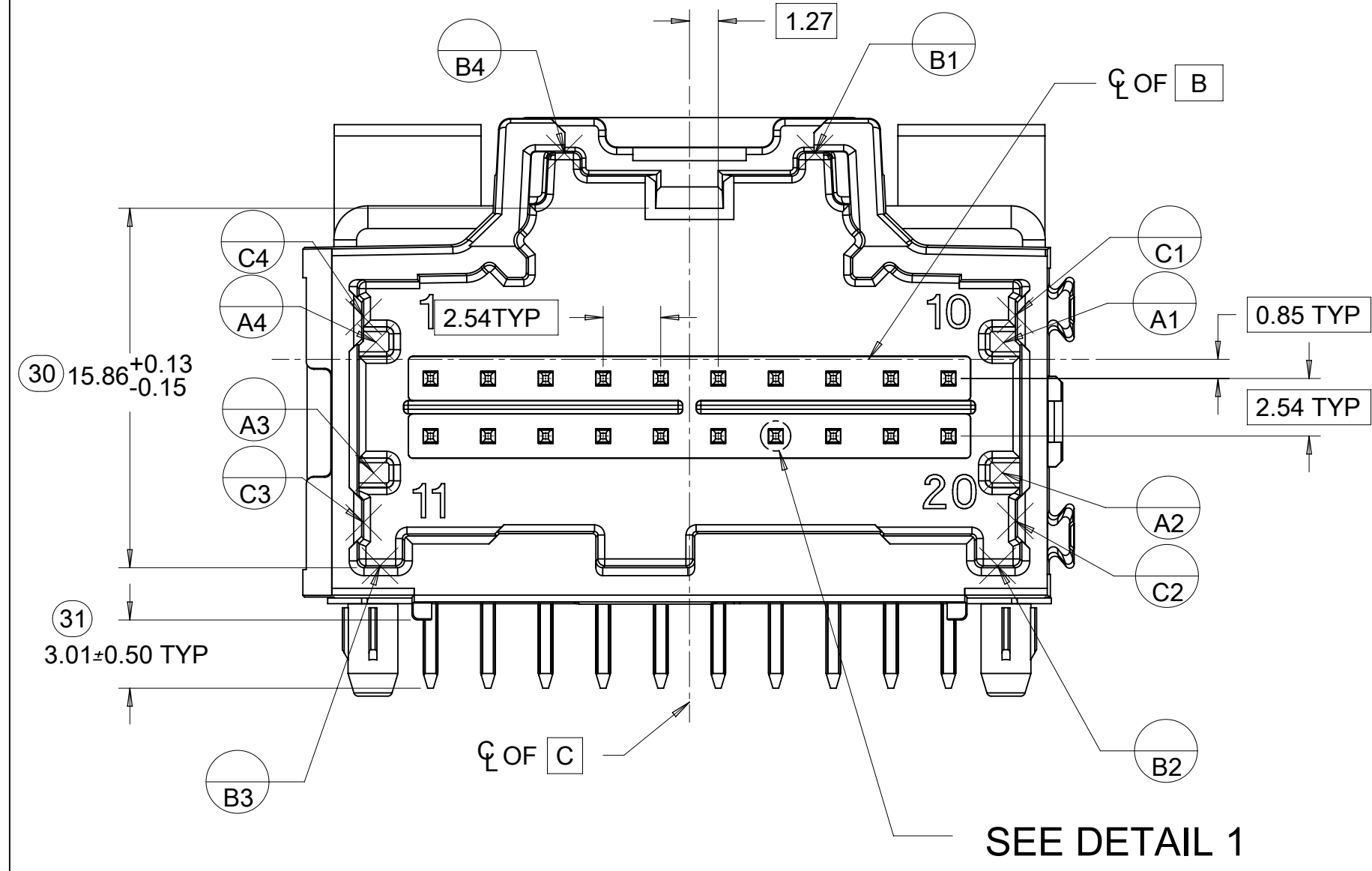
| QUALITY SYMBOLS |     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |                                       |                                                            |  |                 |  |                        |  |                                                           |              |  |
|-----------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------|------------------------------------------------------------|--|-----------------|--|------------------------|--|-----------------------------------------------------------|--------------|--|
|                 | = 0 | EC NO: 118495<br>DRWN: RYELAVATTITH<br>CHKD:<br>REV/ APPR: JFISCHER01                                                                         | 2017/06/13<br>2017/06/27 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION UNITS                                            |  | SCALE           |  |                        |  |                                                           |              |  |
|                 | = 0 |                                                                                                                                               |                          |                                       | MM                                                         |  | 4:1             |  |                        |  |                                                           |              |  |
|                 | = 0 |                                                                                                                                               |                          |                                       | ANGULAR TOL ± 1.0 °                                        |  | DRWN BY         |  | DATE                   |  | 2-BAY STAC64 RIGHT ANGLE<br>HEADER ASSEMBLY SALES DRAWING |              |  |
|                 | = 0 |                                                                                                                                               |                          |                                       | 4 PLACES ±                                                 |  | MBAILEY         |  | 2008/08/14             |  |                                                           |              |  |
|                 | = 0 |                                                                                                                                               |                          |                                       | 3 PLACES ±                                                 |  | CHK'D BY        |  | DATE                   |  | PRODUCT CUSTOMER DRAWING                                  |              |  |
|                 | = 0 |                                                                                                                                               |                          |                                       | 2 PLACES ± 0.13                                            |  | CDILLON         |  | 2009/02/17             |  |                                                           |              |  |
|                 | = 0 |                                                                                                                                               |                          |                                       | 1 PLACE ± 0.25                                             |  | APPR BY         |  | DATE                   |  | SERIES MATERIAL NUMBER CUSTOMER                           |              |  |
|                 | = 0 |                                                                                                                                               |                          |                                       | 0 PLACES ±                                                 |  | SMARCEAU        |  | 2008/08/14             |  |                                                           |              |  |
|                 | = 0 |                                                                                                                                               |                          |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | DRAWING SIZE    |  | THIRD ANGLE PROJECTION |  | 34708 SEE CHART GENERAL MARKET                            |              |  |
|                 | = 0 |                                                                                                                                               |                          |                                       |                                                            |  | D               |  |                        |  |                                                           |              |  |
| W1              |     |                                                                                                                                               | REV                      | APPR                                  |                                                            |  | DOCUMENT NUMBER |  | DOC TYPE               |  | DOC PART                                                  | SHEET NUMBER |  |
|                 |     |                                                                                                                                               |                          |                                       |                                                            |  | SD-34708-200    |  | PSD                    |  | 001                                                       | 4 OF 6       |  |



14 CKT HYBRID HEADER DETAILS

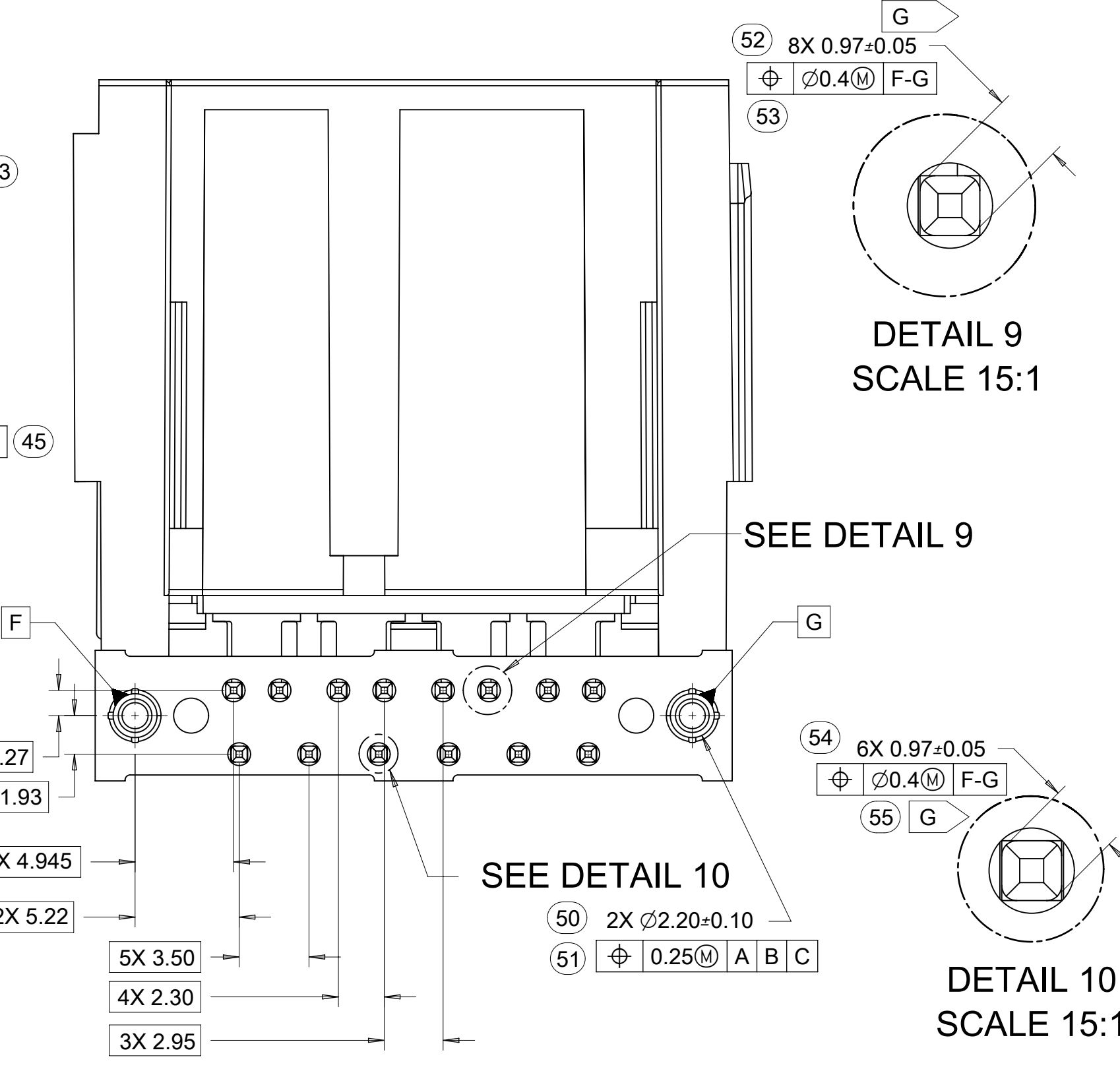
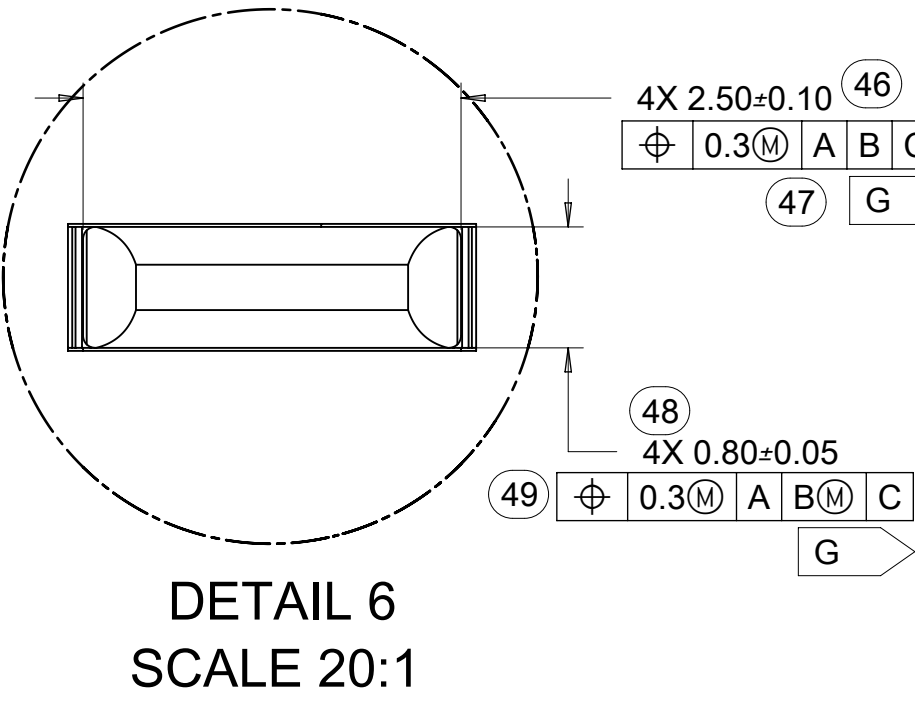
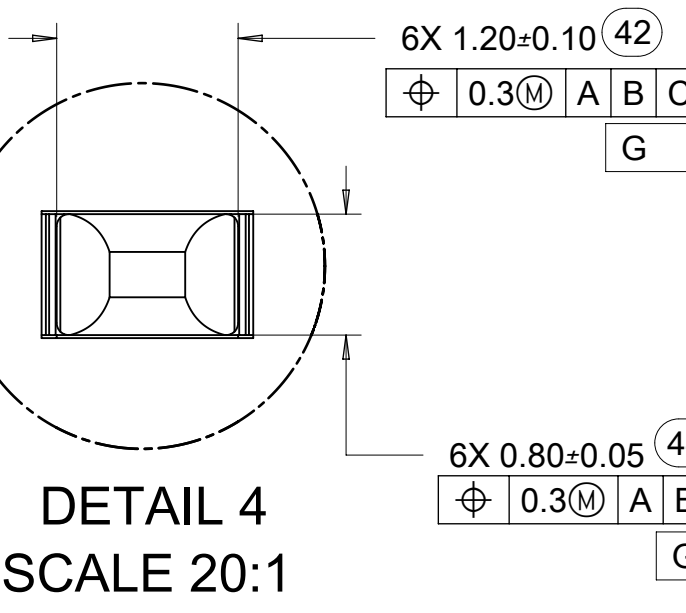
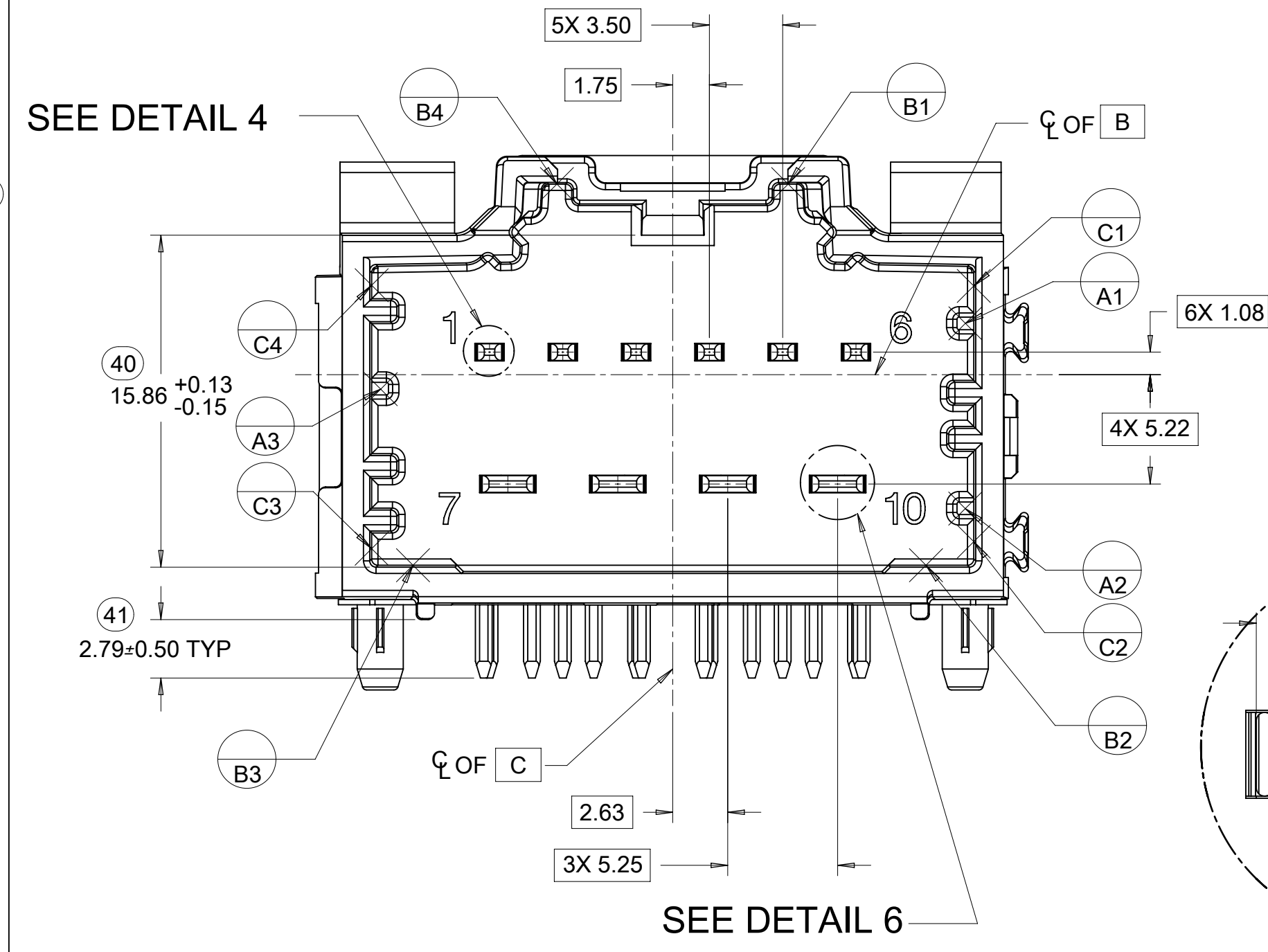


8-20 CKT 0.64mm HEADER DETAILS



DETAIL 2 SCALE 15:1

10CKT STAC HYBRID HEADER DETAILS



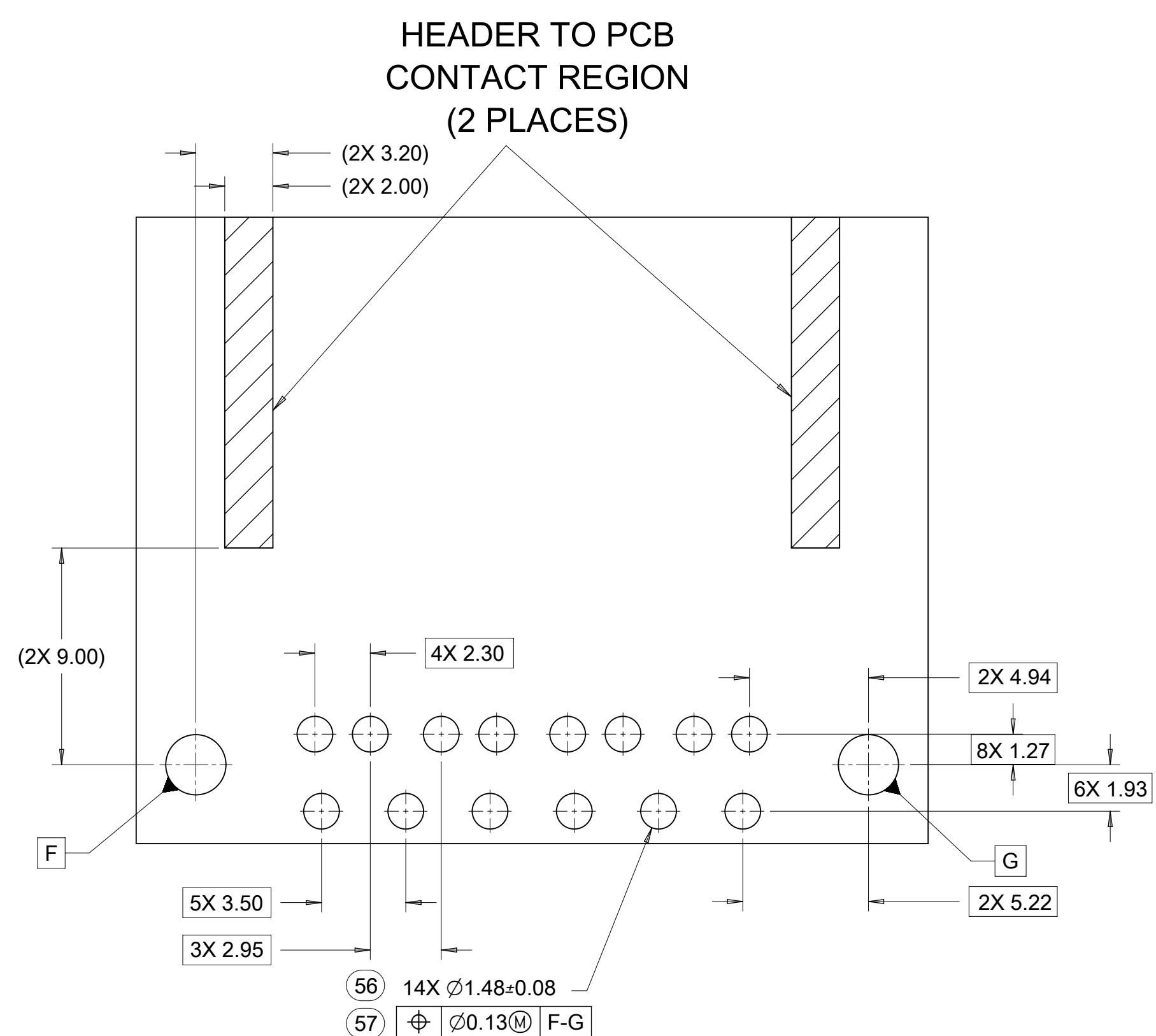
DETAIL 9 SCALE 15:1

DETAIL 10 SCALE 15:1

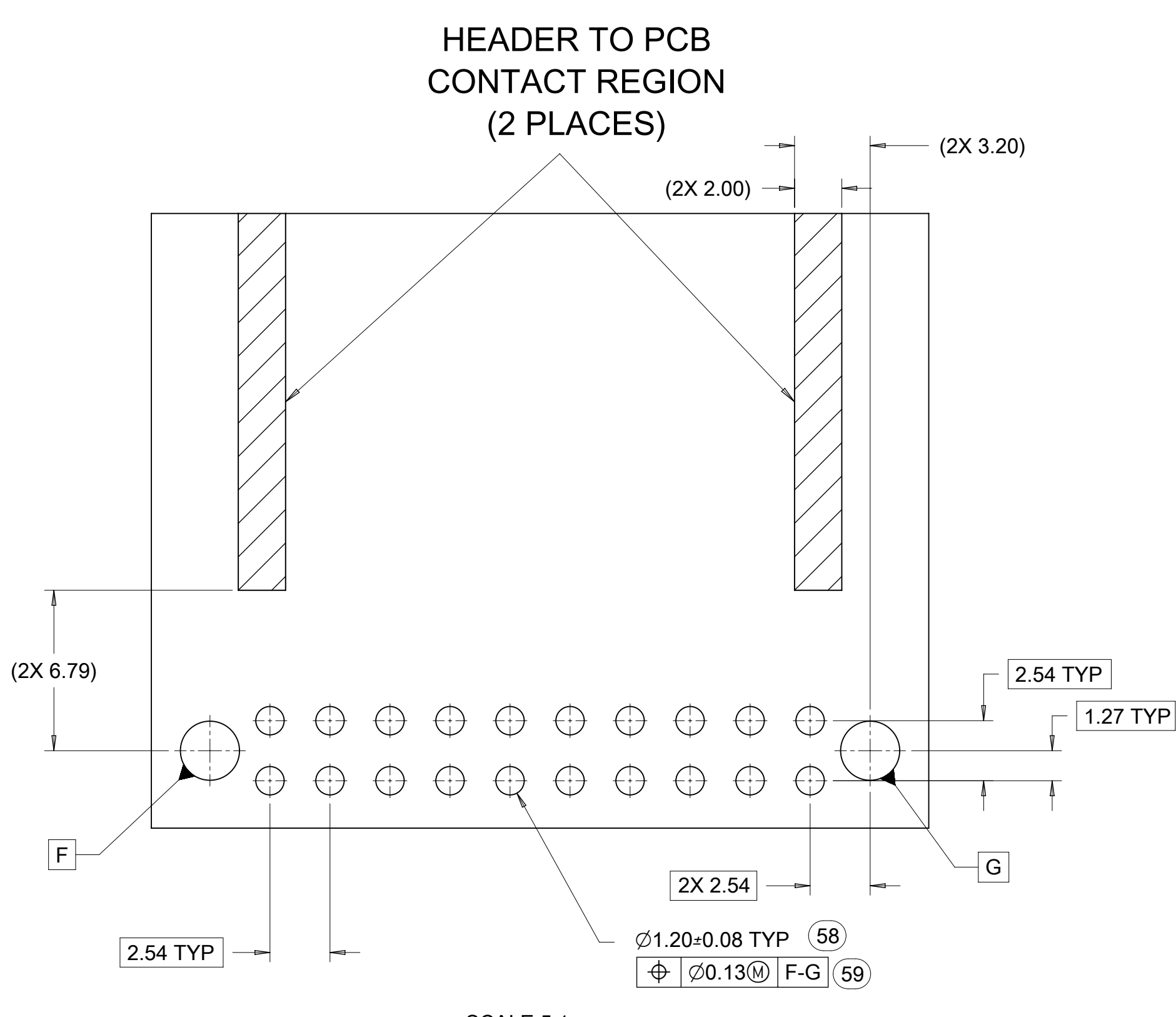
|                 |                                                                                                                                               |                    |                  |                 |                                                      |                 |                        |                                                        |                 |                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|-----------------|------------------------------------------------------|-----------------|------------------------|--------------------------------------------------------|-----------------|-------------------------|
| QUALITY SYMBOLS | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                  |                 |                                                      |                 |                        |                                                        |                 |                         |
|                 | EC NO: 118495                                                                                                                                 | DRWN: RYELAVATTITH | CHKD: JFISCHER01 | APP: JFISCHER01 | GENERAL TOLERANCES (UNLESS SPECIFIED)                | DIMENSION UNITS | SCALE                  |                                                        |                 |                         |
|                 | W1                                                                                                                                            | 2017/06/13         | 2017/06/27       | 2017/06/27      | ANGULAR TOL ± 1.0 °                                  | MM              | 4:1                    |                                                        |                 |                         |
|                 |                                                                                                                                               |                    |                  |                 | 4 PLACES ±                                           | DRWN BY         | DATE                   |                                                        |                 |                         |
| ▽ = 0           |                                                                                                                                               |                    |                  |                 | 3 PLACES ±                                           | MBAILEY         | 2008/08/14             | 2-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING |                 |                         |
| ▽ = 0           |                                                                                                                                               |                    |                  |                 | 2 PLACES ± 0.13                                      | CHKD BY         | DATE                   |                                                        |                 |                         |
| ▽ = 0           |                                                                                                                                               |                    |                  |                 | 1 PLACE ± 0.25                                       | CDILLON         | 2009/02/17             | PRODUCT CUSTOMER DRAWING                               |                 |                         |
| ▽ = 0           |                                                                                                                                               |                    |                  |                 | 0 PLACES ±                                           | APPR BY         | DATE                   |                                                        |                 |                         |
| ▽ = 0           |                                                                                                                                               |                    |                  |                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SMARCEAU        | 2008/08/14             | SERIES                                                 | MATERIAL NUMBER | CUSTOMER                |
| ▽ = 0           |                                                                                                                                               |                    |                  |                 |                                                      | DRAWING SIZE    | THIRD ANGLE PROJECTION | 34708                                                  | SEE CHART       | GENERAL MARKET          |
|                 |                                                                                                                                               |                    |                  |                 |                                                      | D               |                        | DOCUMENT NUMBER                                        | DOC TYPE        | DOC PART / SHEET NUMBER |
|                 |                                                                                                                                               |                    |                  |                 |                                                      |                 |                        | SD-34708-200                                           | PSD             | 001 5 OF 6              |



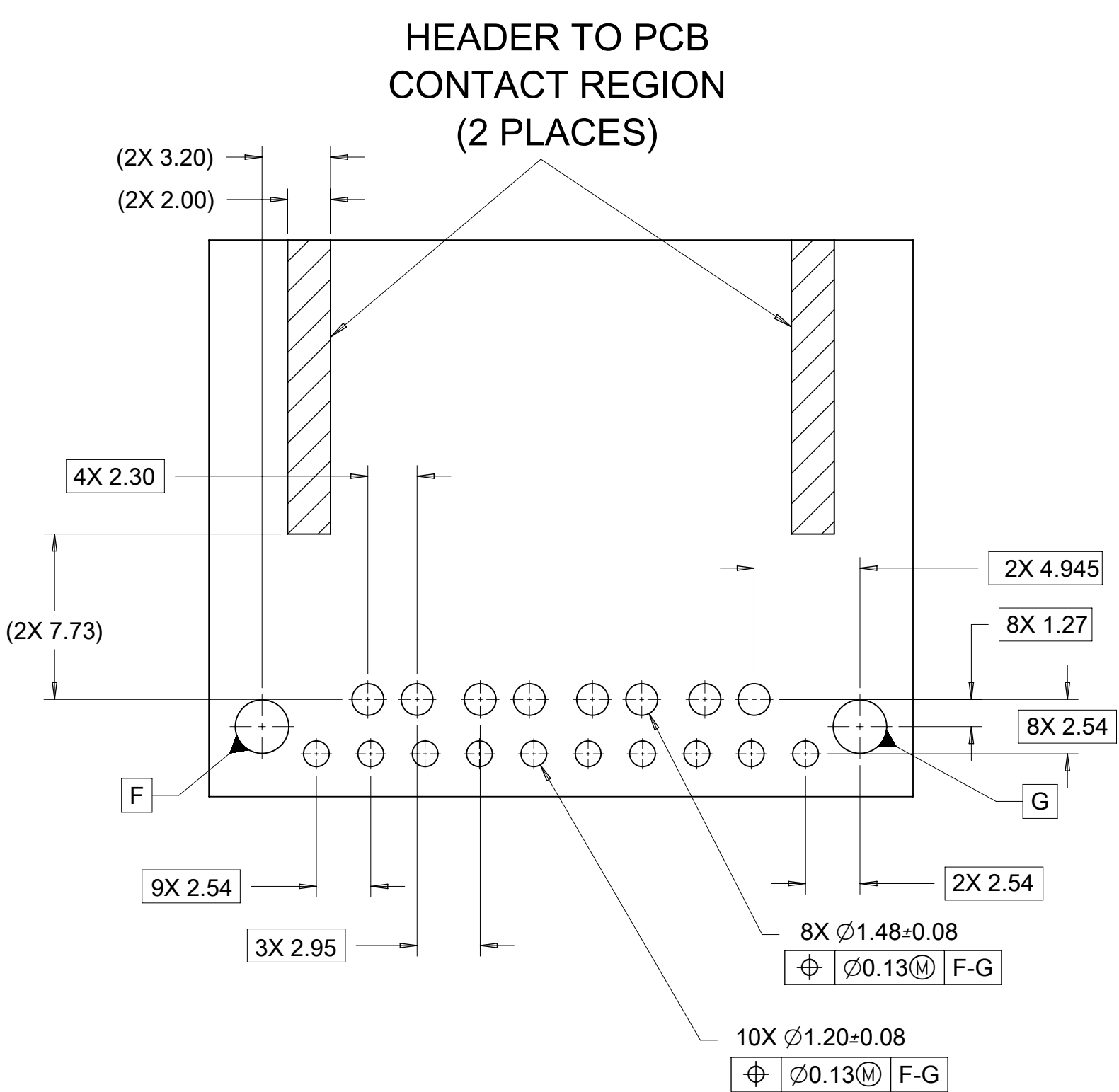
10 CKT HYBRID TEMPLATE  
PCB LAYOUT



8-20 CKT STAC64 TEMPLATE  
PCB LAYOUT



14 CKT HYBRID TEMPLATE  
PCB LAYOUT



| QUALITY SYMBOLS |     | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |            |            |                                       |                                                            |  |              |  |                        |                 |                                                           |          |           |          |                |              |
|-----------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---------------------------------------|------------------------------------------------------------|--|--------------|--|------------------------|-----------------|-----------------------------------------------------------|----------|-----------|----------|----------------|--------------|
|                 | = 0 | EC NO: 118495<br>DRWN: RYELAVATTITH<br>CHKD:<br>REV/ APPR: JFISCHER01                                                                         | 2017/06/13 | 2017/06/27 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION UNITS                                            |  | SCALE        |  |                        |                 |                                                           |          |           |          |                |              |
|                 | = 0 |                                                                                                                                               |            |            |                                       | MM                                                         |  | 4:1          |  |                        |                 |                                                           |          |           |          |                |              |
|                 | = 0 |                                                                                                                                               |            |            |                                       | ANGULAR TOL ± 1.0 °                                        |  | DRWN BY      |  | DATE                   |                 | 2-BAY STAC64 RIGHT ANGLE<br>HEADER ASSEMBLY SALES DRAWING |          |           |          |                |              |
|                 | = 0 |                                                                                                                                               |            |            |                                       | 4 PLACES ±                                                 |  | MBAILEY      |  | 2008/08/14             |                 |                                                           |          |           |          |                |              |
|                 | = 0 |                                                                                                                                               |            |            |                                       | 3 PLACES ±                                                 |  | CHK'D BY     |  | DATE                   |                 |                                                           |          |           |          |                |              |
|                 | = 0 |                                                                                                                                               |            |            |                                       | 2 PLACES ± 0.13                                            |  | CDILLON      |  | 2009/02/17             |                 | PRODUCT CUSTOMER DRAWING                                  |          |           |          |                |              |
|                 | = 0 |                                                                                                                                               |            |            |                                       | 1 PLACE ± 0.25                                             |  | APPR BY      |  | DATE                   |                 |                                                           |          |           |          |                |              |
|                 | = 0 |                                                                                                                                               |            |            |                                       | 0 PLACES ±                                                 |  | SMARCEAU     |  | 2008/08/14             |                 |                                                           |          |           |          |                |              |
|                 | = 0 |                                                                                                                                               |            |            |                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | DRAWING SIZE |  | THIRD ANGLE PROJECTION |                 | 34708                                                     |          | SEE CHART |          | GENERAL MARKET |              |
|                 | = 0 |                                                                                                                                               |            |            |                                       | D                                                          |  |              |  |                        |                 |                                                           |          |           |          |                |              |
|                 | = 0 | W1                                                                                                                                            | REV        |            |                                       |                                                            |  |              |  |                        | DOCUMENT NUMBER |                                                           | DOC TYPE |           | DOC PART |                | SHEET NUMBER |
|                 |     |                                                                                                                                               |            |            |                                       |                                                            |  |              |  | SD-34708-200           |                 | PSD                                                       |          | 001       |          | 6 OF 6         |              |