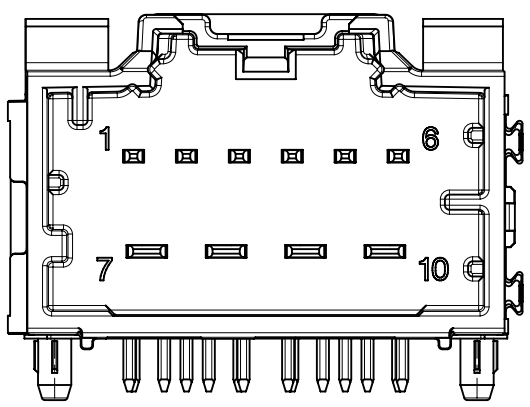
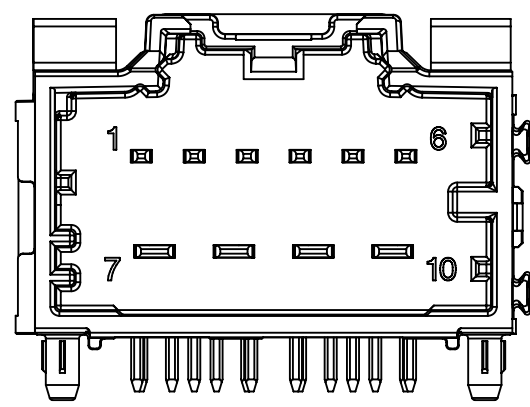


OPTION 'A'

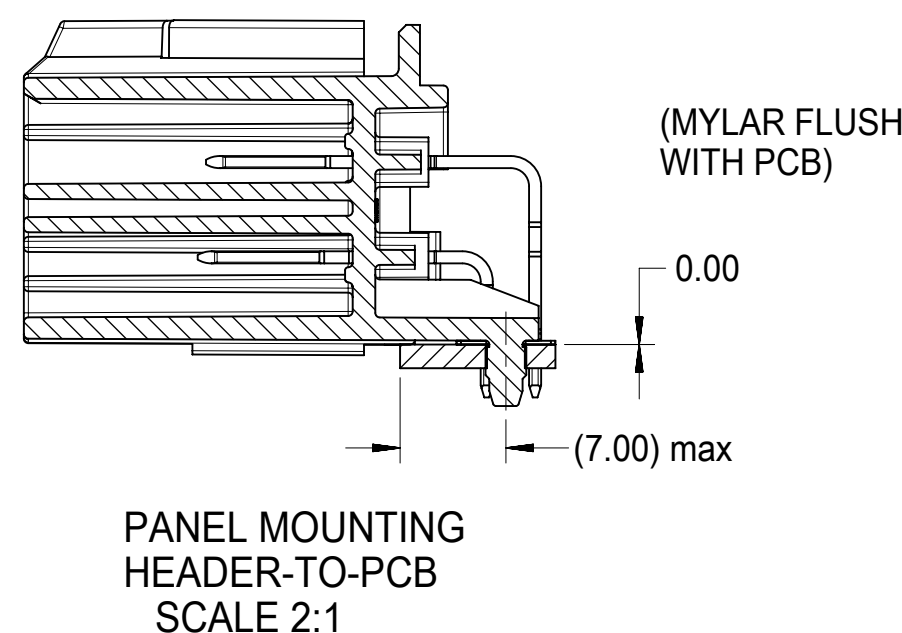
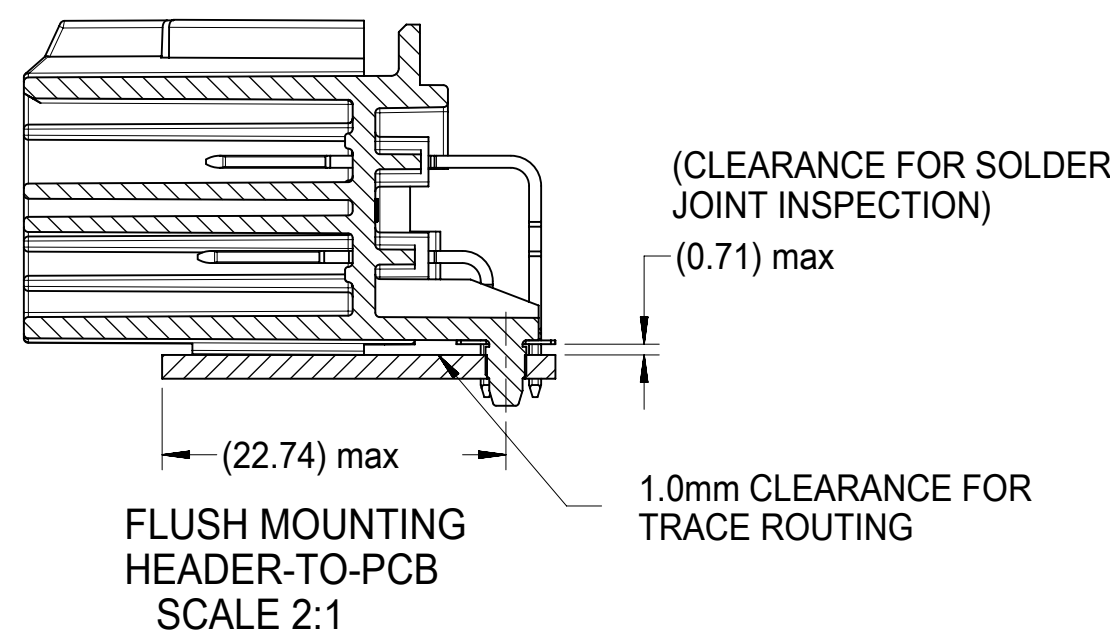
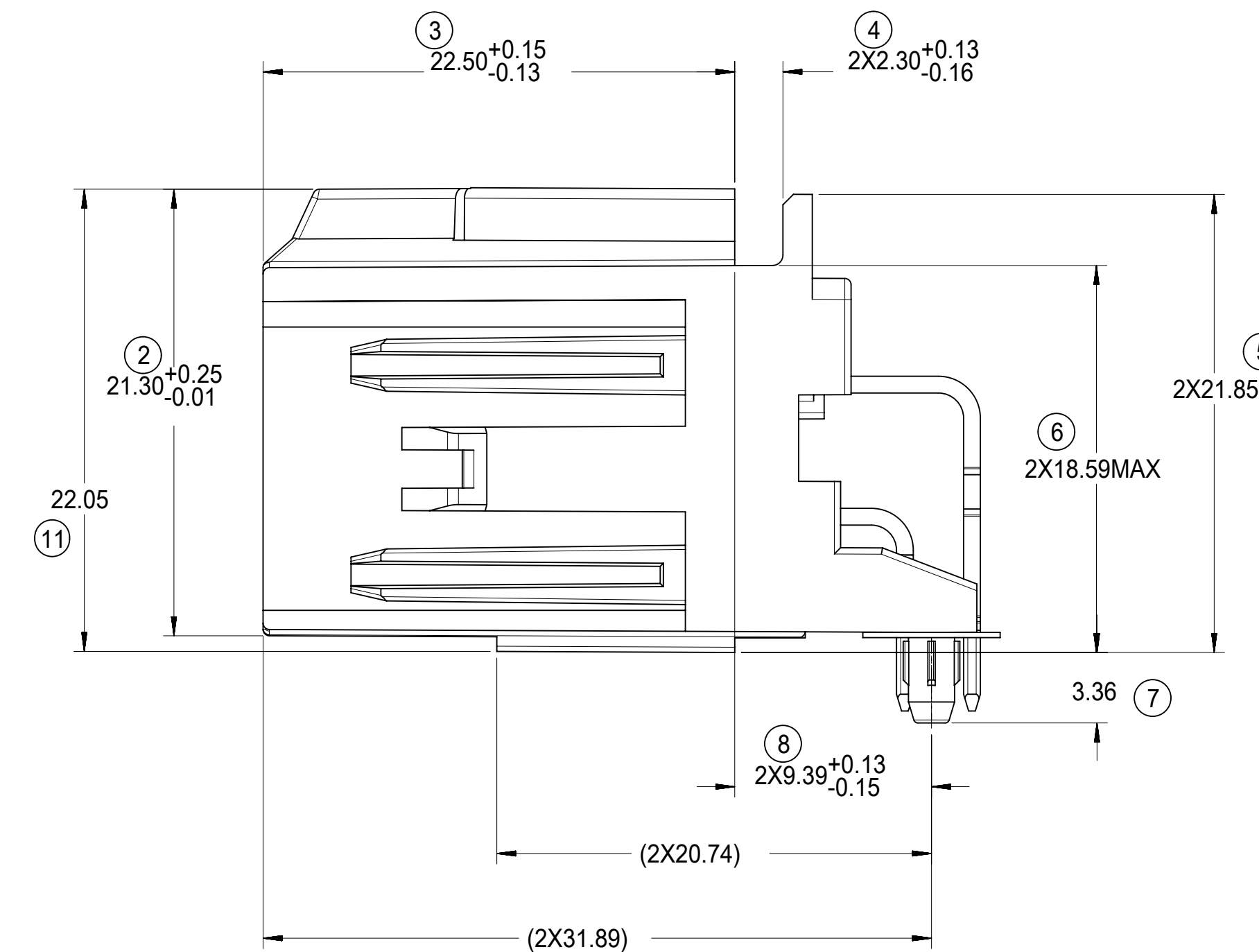
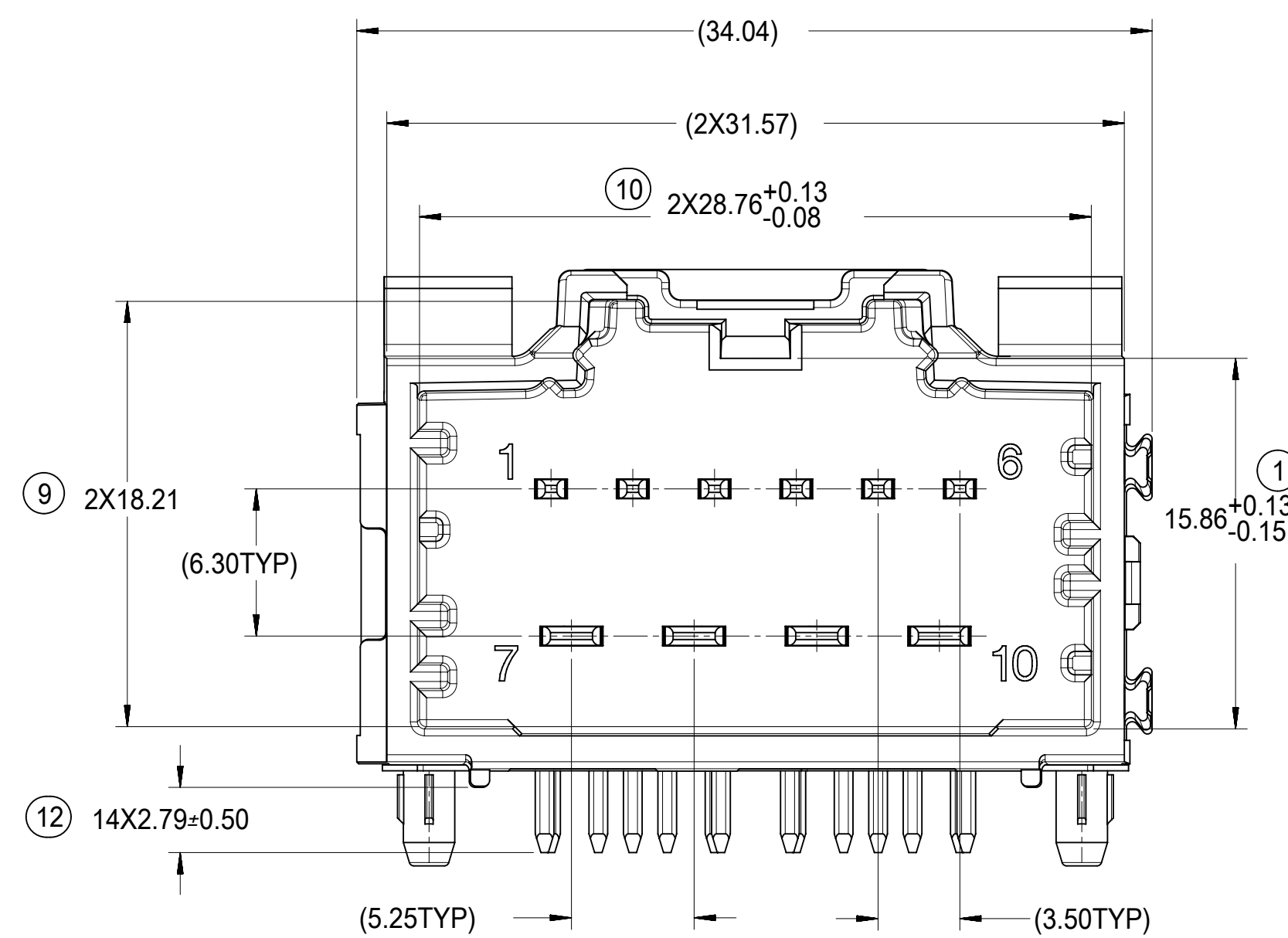


OPTION 'B'

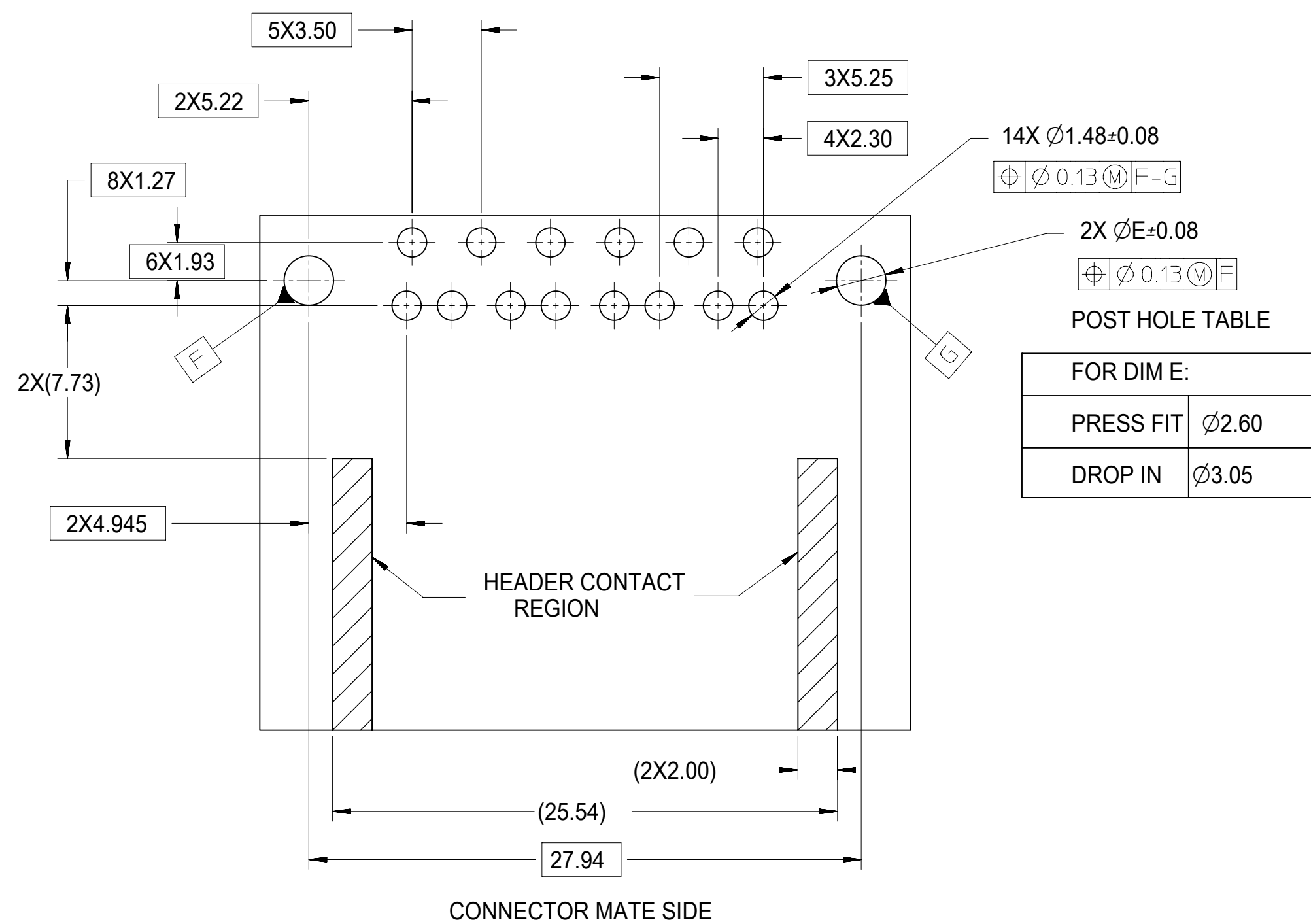


OPTION 'C'

MATERIAL NUMBER			CKT SIZE	DESCRIPTION	POL	COLOR
TUBE PACK	TRAY PACK	ALT TRAY				
34696-9100	34696-0100	34696-9103	10	POWER STAC RIGHT ANGLE HEADER ASSEMBLY (4 x 2.8mm + 6 x 1.5mm)	A	BLACK
34696-9101	34696-0101	34696-9104	10	POWER STAC RIGHT ANGLE HEADER ASSEMBLY (4 x 2.8mm + 6 x 1.5mm)	B	GREY
34696-9102	34696-0102	34696-9105	10	POWER STAC RIGHT ANGLE HEADER ASSEMBLY (4 x 2.8mm + 6 x 1.5mm)	C	BROWN



### RECOMMENDED PCB LAYOUT



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

a. CONNECTOR HEADER MUST BE VALIDATED TO THE FOLLOWING FUNCTIONAL REQUIREMENTS:

PIN RETENTION = USCAR-2 REV 4

SOLDERABILITY = SMES-152

b. APPLICATION REQUIREMENTS (REFERENCE ONLY) FOR:

SEE APPLICATION SPECIFICATION = AS-34729-020

SEE PRODUCT SPECIFICATION = PS-31372-100

MATES WITH: SD-31372-900

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

b. 1.50mm BLADES:  
BASE MATERIAL: C19400  
PLATING TYPE: AS NOTED

2.80mm BLADES:  
BASE MATERIAL: C19400  
PLATING TYPE: AS NOTED

c. PIN ALIGNMENT PLATE: MYLAR

3. PLATING REQUIREMENTS:

a. UNDERPLATING - OVERALL NICKEL

b. OVERPLATING - OVERALL TIN

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:	
DIMENSION UNITS	SCALE	EC NO:	DRWN:	DATE:
∇ = 0	mm	4:1	171516	2018/01/29
∇ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: MYOUNG01	2018/01/29
∇ = 0	ANGULAR TOL ± 3.0°		CHK'D: RBAUMAN	2018/01/30
∇ = 0	4 PLACES ±		APPR: RBAUMAN	2018/01/30
∇ = 0	3 PLACES ±		INITIAL REVISION:	
∇ = 0	2 PLACES ± 0.13		DRWN: MBAILEY	2007/09/06
∇ = 0	1 PLACE ± 0.25		APPR: SMARCEAU	2007/09/10
∇ = 0	0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
∇ = 0	THIRD ANGLE PROJECTION		DRAWING	SERIES
∇ = 0	D-DRAWING		34696	MATERIAL NUMBER
DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
SD-34696-100		PSD	001	K7
CUSTOMER		SHEET NUMBER		
GENERAL MARKET		1 OF 1		

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STAC64 SINGLE BAY R/A  
10 CKT. HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

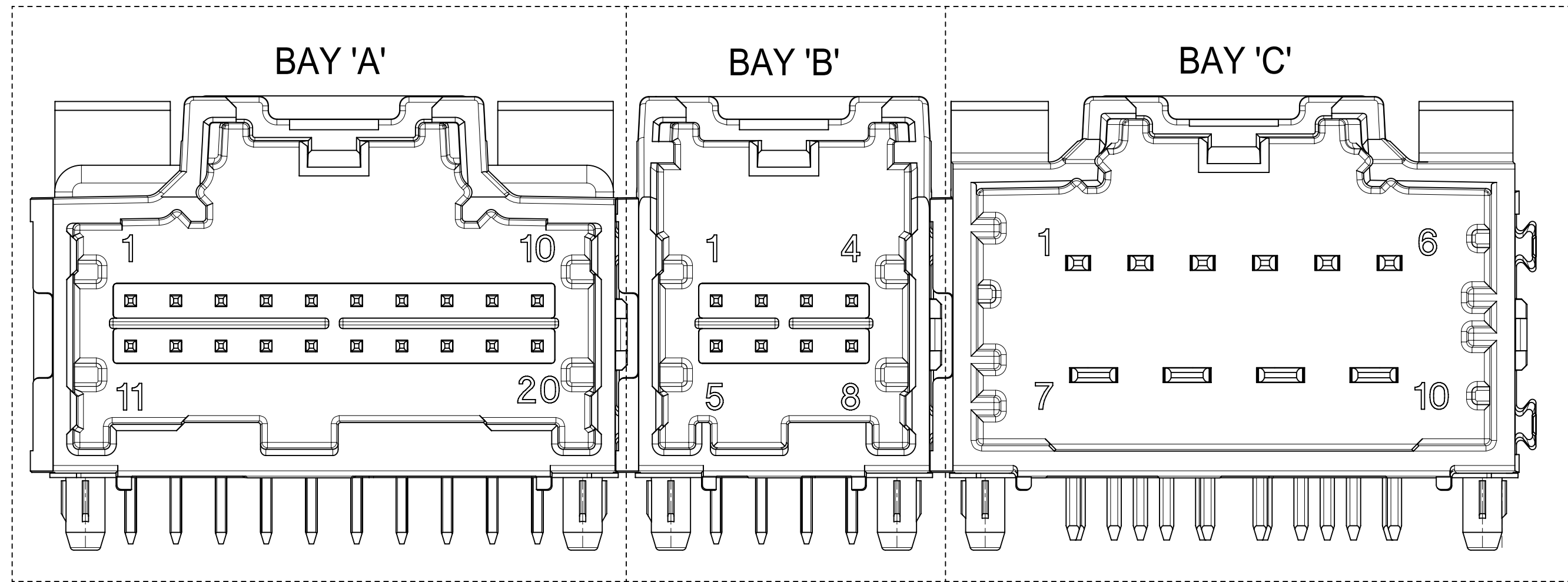
DOCUMENT NUMBER DOC TYPE DOC PART REVISION

SD-34696-100 PSD 001 K7

MATERIAL NUMBER CUSTOMER SHEET NUMBER

SEE CHART GENERAL MARKET 1 OF 1

# 3-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY (P/N: 34708-3040 SHOWN)



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)

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

1.50/2.80mm BLADES:  
BASE MATERIAL: C19400  
PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:

a. UNDERPLATING - OVERALL NICKEL

b. OVERPLATING - OVERALL TIN

4. FOR DESCRIPTION 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

SYMBOLS										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:															
▽ = 0	mm		1:1	EC NO: 612618 DRWN: SHANDITHAVAL 2019/02/22 CHK'D: RBAUMAN 2019/02/23 APPR: RBAUMAN 2019/02/23 INITIAL REVISION: DRWN: JDUNAJ 2009/03/10 APPR: SMARCEAU 2009/03/11															
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)																		
▽ = 0	ANGULAR TOL ± 1.0°																		
▽ = 0	4 PLACES	±																	
▽ = 0	3 PLACES	±																	
▽ = 0	2 PLACES	±	0.13																
▽ = 0	1 PLACE	±	0.25																
▽ = 0	0 PLACES	±																	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
▽ = 0				D-SIZE		34708		GENERAL MARKET		1 OF 6									

# molex

3-BAY STAC64 RIGHT ANGLE  
HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34708-300	PSD	001	U8

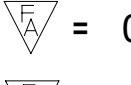
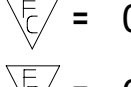
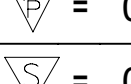

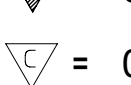
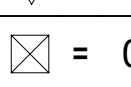

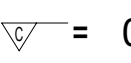


DIMENSIONAL CHART FOR MULTIBAY CONFIGURATION:

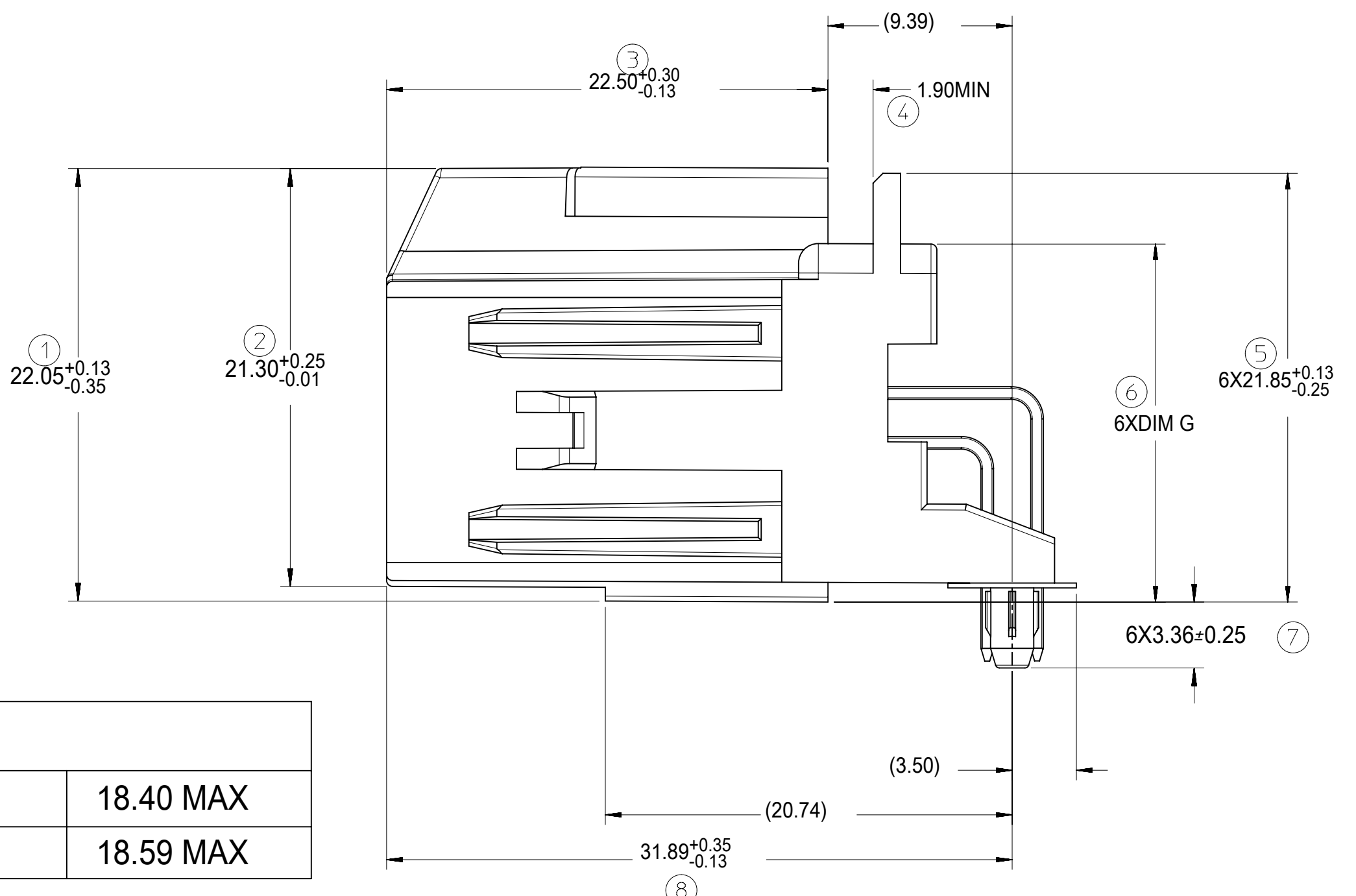
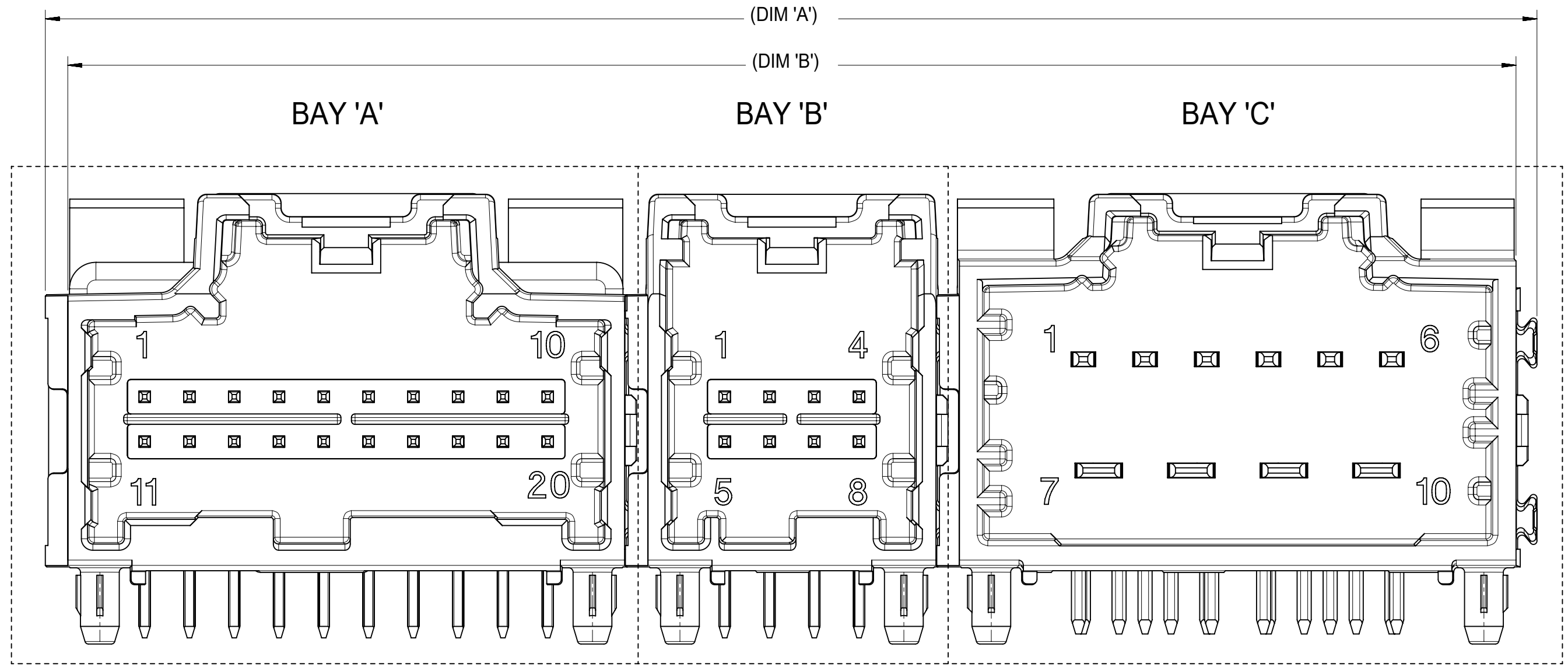
3 BAY PART NUMBER (TUBE PKG)	3 BAY PART NUMBER (TRAY PKG)	BAY A			BAY B			BAY C			DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
		CKT	TYPE	POL	CKT	TYPE	POL	CKT	TYPE	POL					
	34708-3000	16	0.64mm	B	16	0.64mm	A	12	0.64mm	B	79.52	77.05	22.86	22.86	17.78
	34708-3001	20	0.64mm	A	20	0.64mm	B	12	0.64mm	A	89.86	87.21	27.94	27.94	17.78
	34708-3002	20	0.64mm	A	20	0.64mm	B	14	HYBRID	C	99.84	97.37	27.94	27.94	27.94
	34708-3003	10	HYBRID	A	16	0.64mm	A	8	0.64mm	C	79.52	77.05	27.94	22.86	12.70
	34708-3004	16	0.64mm	A	16	0.64mm	B	16	0.64mm	C	84.60	82.13	22.86	22.86	22.86
	34708-3006	20	0.64mm	D	20	0.64mm	B	20	0.64mm	C	99.84	97.37	27.94	27.94	27.94
TBD	34708-3007	20	0.64mm	A	12	0.64mm	A	20	0.64mm	D	89.68	87.21	27.94	17.78	27.94
TBD	347083008	20	0.64mm	A	10	HYBRID	B	10	HYBRID	A	99.84	97.37	27.94	27.94	27.94
34708-8010	34708-3010	20	0.64mm	A	20	0.64mm	B	16	0.64mm	A	94.76	92.29	27.94	27.94	22.86
TBD	34708-3020	10	HYBRID	A	20	0.64mm	B	20	0.64mm	C	99.84	97.37	27.94	27.94	27.94
TBD	34708-3021	10	HYBRID	A	20	0.64mm	C	20	0.64mm	D	99.84	97.37	27.94	27.94	27.94
TBD	34708-3022	20	0.64mm	B	16	0.64mm	C	10	HYBRID	A	94.76	92.29	27.94	22.86	27.94
TBD	34708-3030	16	0.64mm	A	12	0.64mm	A	10	HYBRID	A	84.60	82.13	22.86	17.78	27.94
TBD	34708-3040	20	0.64mm	A	8	0.64mm	A	10	HYBRID	A	84.60	82.13	27.94	12.70	27.94
TBD	34708-3050	10	HYBRID	A	16	0.64mm	B	16	0.64mm	C	89.68	87.21	27.94	22.86	22.86
TBD	34708-3060	16	0.64mm	A	20	0.64mm	C	20	0.64mm	D	94.76	92.29	22.86	27.94	27.94
34708-8070	34708-3070	20	0.64mm	A	20	0.64mm	B	10	HYBRID	A	99.84	97.37	27.94	27.94	27.94
TBD	34708-3071	20	0.64mm	A	10	HYBRID	A	10	HYBRID	B	99.84	97.37	27.94	27.94	27.94
TBD	34708-3080	12	0.64mm	A	12	0.64mm	B	16	0.64mm	A	74.44	71.97	17.78	17.78	22.86
TBD	34708-3081	20	0.64mm	D	12	0.64mm	B	20	0.64mm	C	89.68	87.21	27.94	17.78	27.94
TBD	34708-3082	12	0.64mm	C	8	0.64mm	A	8	0.64mm	B	59.20	56.73	17.78	12.70	12.70
TBD	34708-3083	8	0.64mm	C	16	0.64mm	B	16	0.64mm	C	74.44	71.97	12.70	22.86	22.86
TBD	34708-3084	16	0.64mm	A	8	0.64mm	A	8	0.64mm	B	64.28	61.81	22.86	12.70	12.70
TBD	34708-3085	20	0.64mm	A	20	0.64mm	B	20	0.64mm	C	99.84	97.37	27.94	27.94	27.94
TBD	34708-3086	20	0.64mm	A	20	0.64mm	B	8	0.64mm	A	84.60	82.13	27.94	27.94	12.70
TBD	34708-3087	20	0.64mm	A	16	0.64mm	A	8	0.64mm	A	79.52	77.05	27.94	22.86	12.70
TBD	34708-3088	12	0.64mm	A	16	0.64mm	A	12	0.64mm	B	74.44	71.97	17.78	22.86	17.78
TBD	34708-3089	16	0.64mm	A	16	0.64mm	B	20	0.64mm	A	89.68	87.21	22.86	22.86	27.94
TBD	34708-3090	16	0.64mm	C	16	0.64mm	A	8	0.64mm	B	74.44	71.97	22.86	22.86	12.70
TBD	34708-3091	20	0.64mm	C	12	0.64mm	C	16	0.64mm	B	84.60	82.13	27.94	17.78	22.86
TBD	34708-3092	12	0.64mm	B	8	0.64mm	C	20	0.64mm	D	74.44	71.97	17.78	12.70	27.94
TBD	34708-3093	16	0.64mm	B	16	0.64mm	A	8	0.64mm	A	74.44	71.97	22.86	22.86	12.70
TBD	34708-3094	20	0.64mm	D	20	0.64mm	B	8	0.64mm	A	84.60	82.13	27.94	27.94	12.70
TBD	34708-3095	20	0.64mm	A	16	0.64mm	C	12	0.64mm	B	84.60	82.13	27.94	22.86	17.78
TBD	34708-3096	16	0.64mm	A	16	0.64mm	B	20	0.64mm	C	89.68	87.21	22.86	22.86	27.94
TBD	34708-3097	16	0.64mm	C	12	0.64mm	B	20	0.64mm	A	84.60	82.13	22.86	17.78	27.94
TBD	34708-3098	20	0.64mm	B	20	0.64mm	C	20	0.64mm	D	99.84	97.37	27.94	27.94	27.94

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
▽ = 0	mm	1:1
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
▽ = 0	ANGULAR TOL ± 1.0°	
▽ = 0	4 PLACES	±
▽ = 0	3 PLACES	±
▽ = 0	2 PLACES	± 0.13
▽ = 0	1 PLACE	± 0.25
▽ = 0	0 PLACES	±
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
▽ = 0	THIRD ANGLE PROJECTION	DRAWING
	D-SIZE	SERIES
	34708	
CURRENT REV DESC:		
EC NO: 612618		
DRWN: SHANDITHAVAL 2019/02/22		
CHK'D: RBAUMAN 2019/02/23		
APPR: RBAUMAN 2019/02/23		
INITIAL REVISION:		
DRWN: JDUNAJ 2009/03/10		
APPR: SMARCEAU 2009/03/11		
DOCUMENT NUMBER	DOC TYPE	DOC PART
SD-34708-300	PSD	001
REVISION		
U8		
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 6

DIMENSIONAL CHART FOR MULTIBAY CONFIGURATION:

3 BAY PART NUMBER (TUBE PKG)	3 BAY PART NUMBER (TRAY PKG)	BAY A			BAY B			BAY C			DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
		CKT	TYPE	POL	CKT	TYPE	POL	CKT	TYPE	POL					
	34708-3099	10	HYBRID	A	20	0.64mm	D	10	HYBRID	B	99.84	97.37	27.94	27.94	27.94

<b>SYMBOLS</b>  = 0  = 0  = 0  = 0  = 0  = 0  = 0  = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		 3-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING			
	DIMENSION UNITS	SCALE	EC NO: 612618					
	mm	1:1	DRWN: SHANDITHAVAL 2019/02/22					
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: RBAUMAN 2019/02/23					
	ANGULAR TOL ± 1.0°		APPR: RBAUMAN 2019/02/23					
	4 PLACES ±		INITIAL REVISION:					
	3 PLACES ±		DRWN: JDUNAJ 2009/03/10					
	2 PLACES ± 0.13		APPR: SMARCEAU 2009/03/11					
	1 PLACE ± 0.25		DOCUMENT NUMBER					
	0 PLACES ±		SD-34708-300					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
			D-SIZE	34708		GENERAL MARKET	6 OF 6	

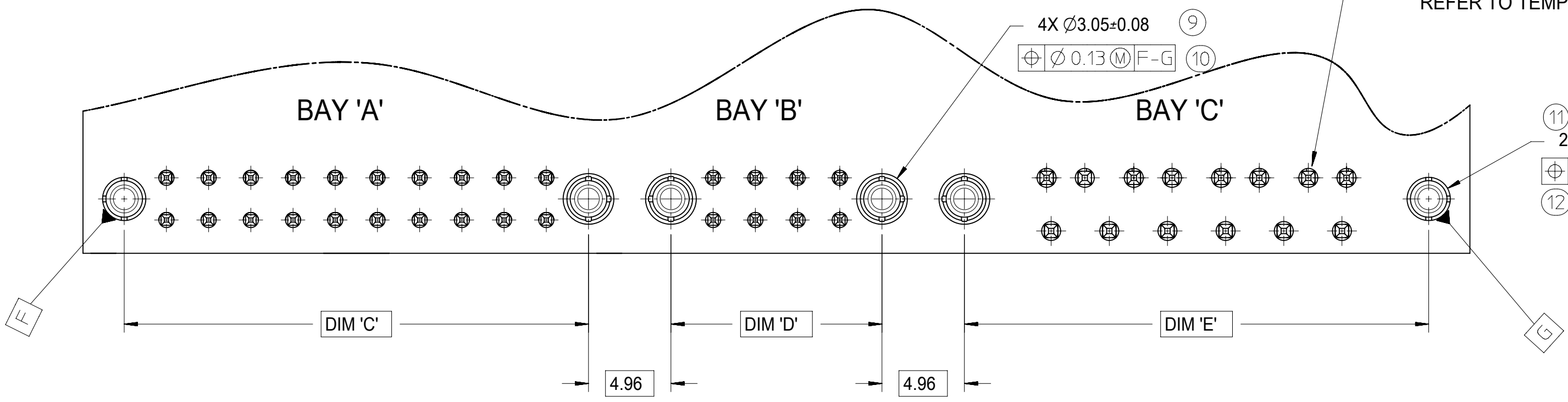


FOR DIM G:	
8-20CKT 0.64mm	18.40 MAX
10/14CKT Hybrid	18.59 MAX

**RECOMMENDED PCB LAYOUT**

INSERT NECESSARY BAYS USING CHART ON SHEET 2

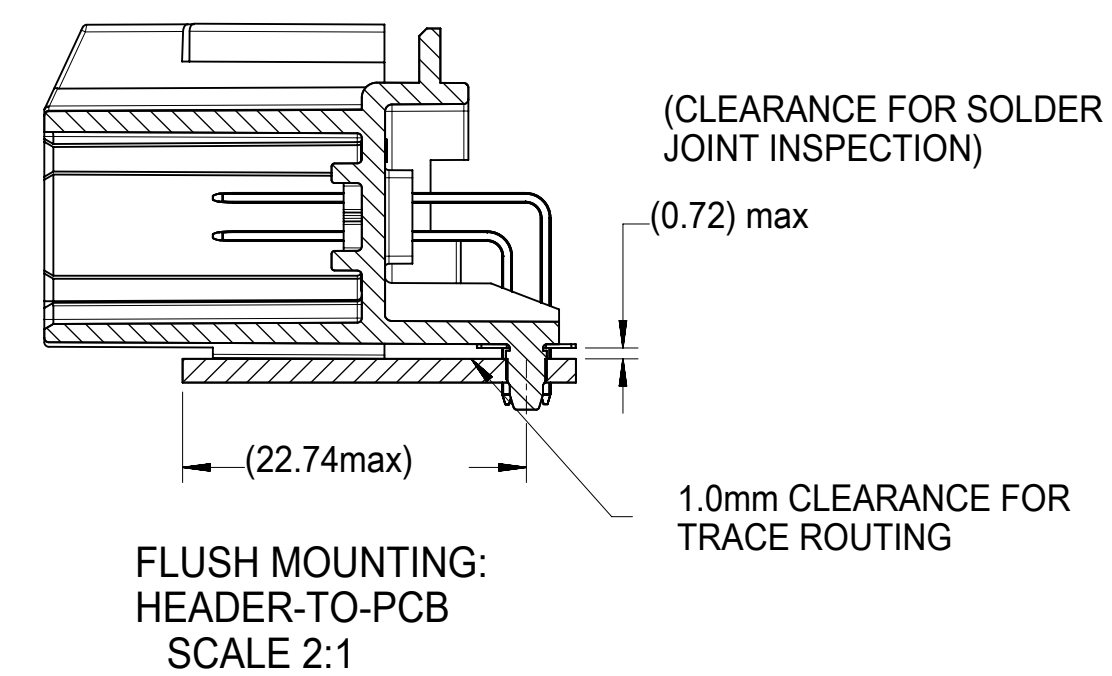
FOR PIN LOCATION, REFER TO TEMPLATES ON SHEET 5



**POST HOLE TABLE:**

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

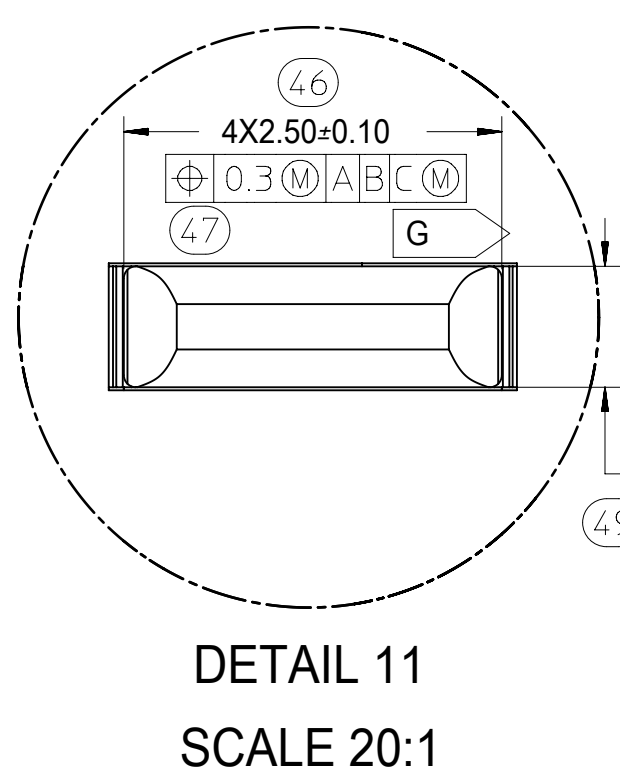
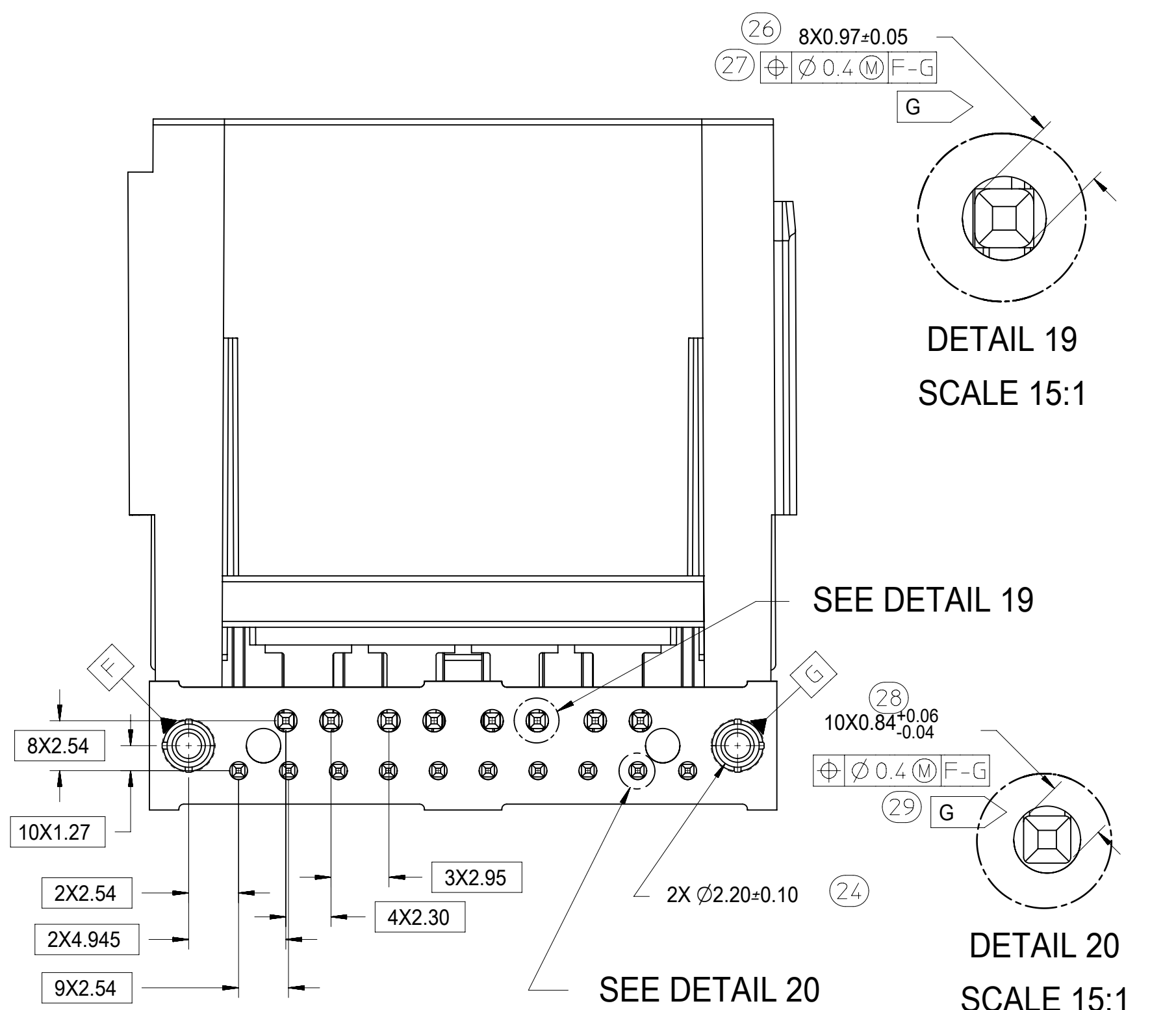
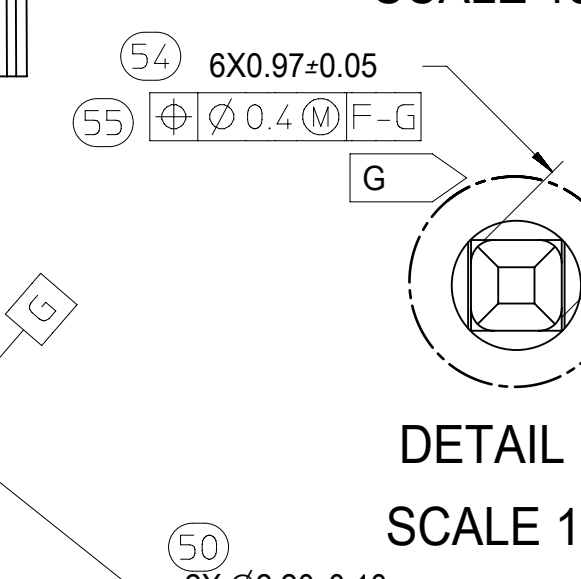
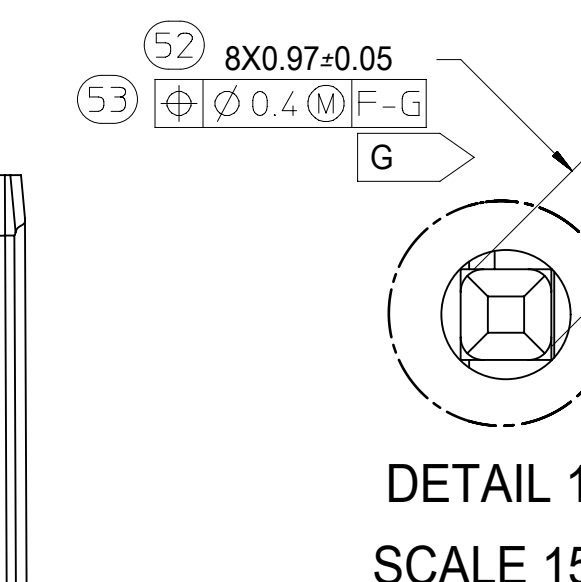
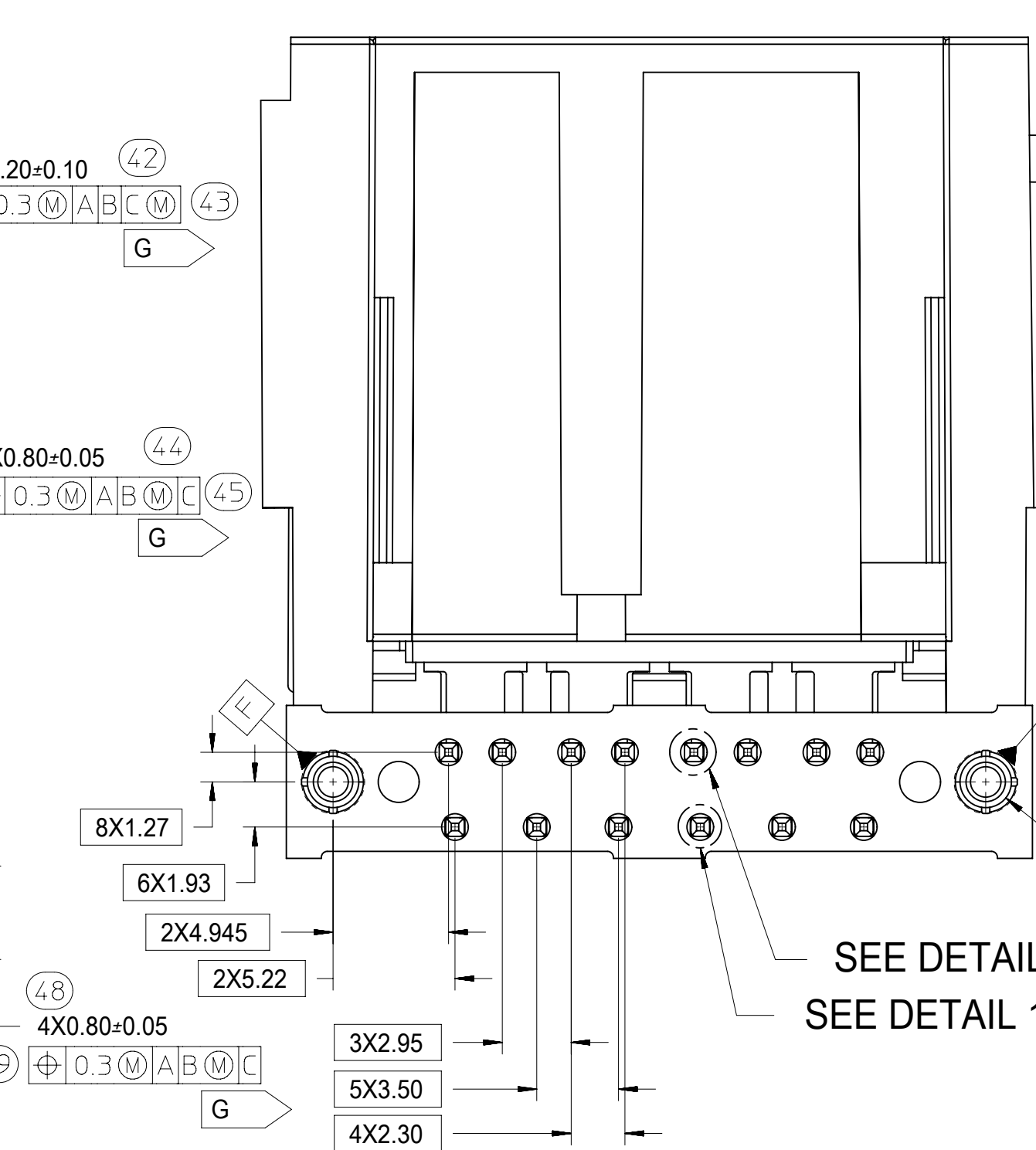
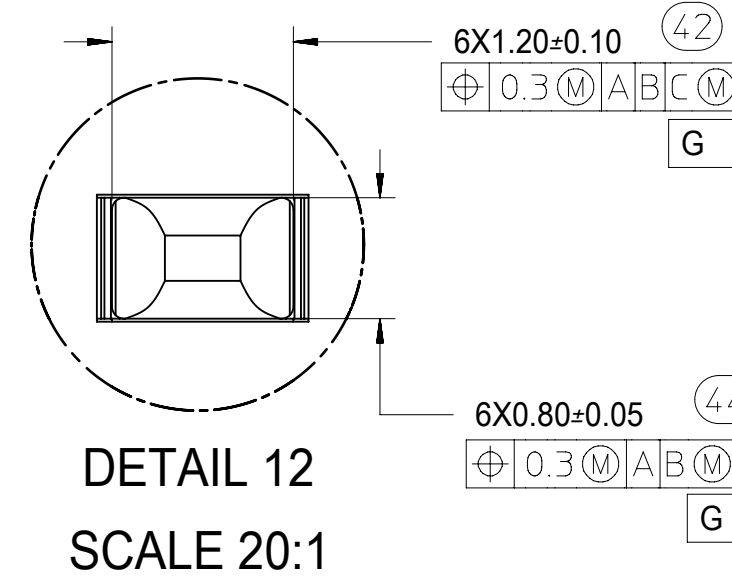
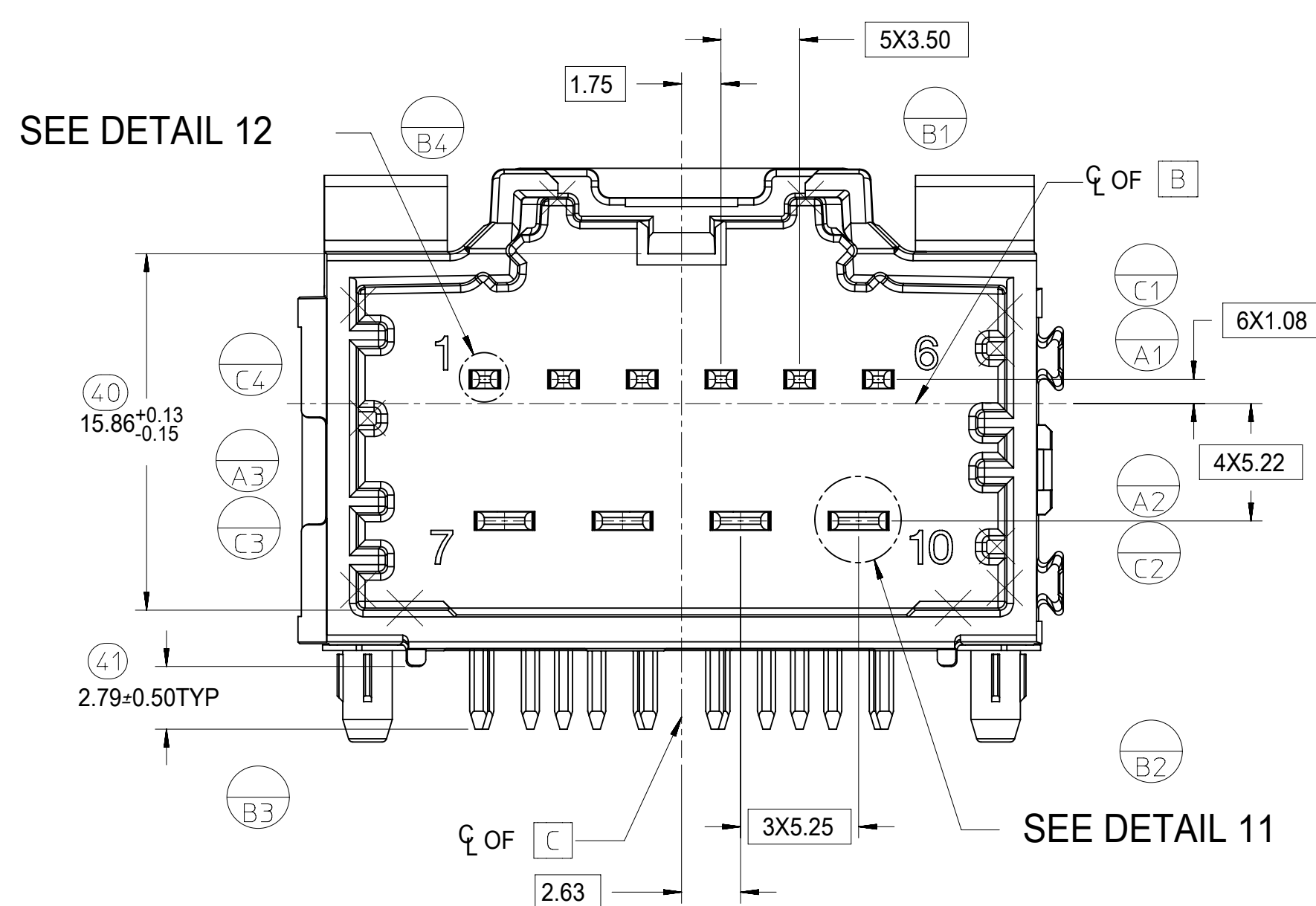
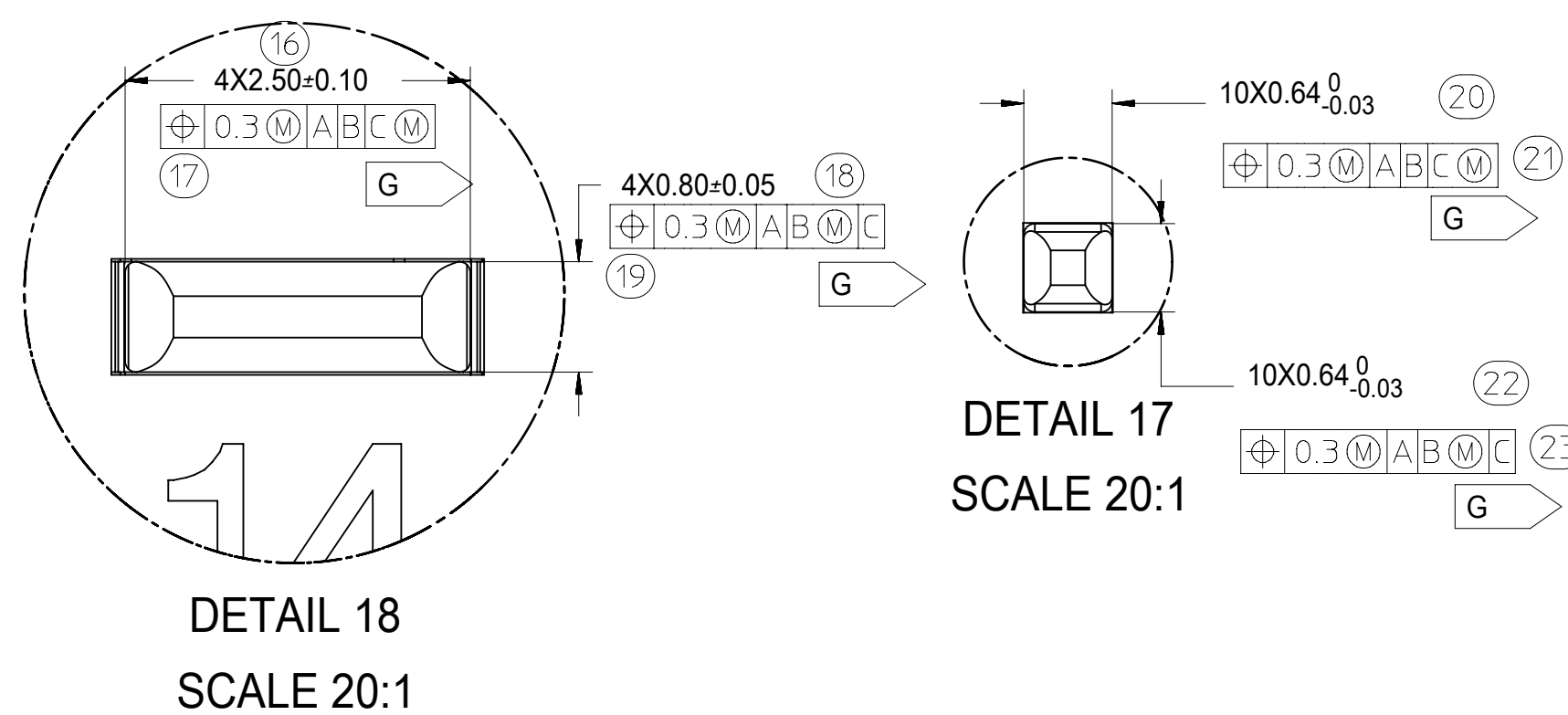
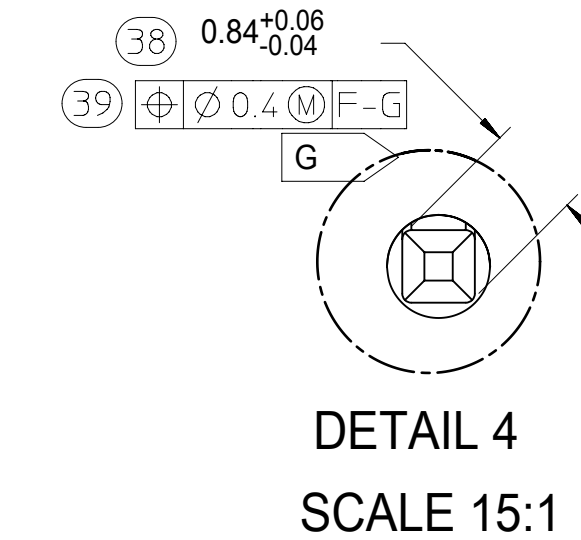
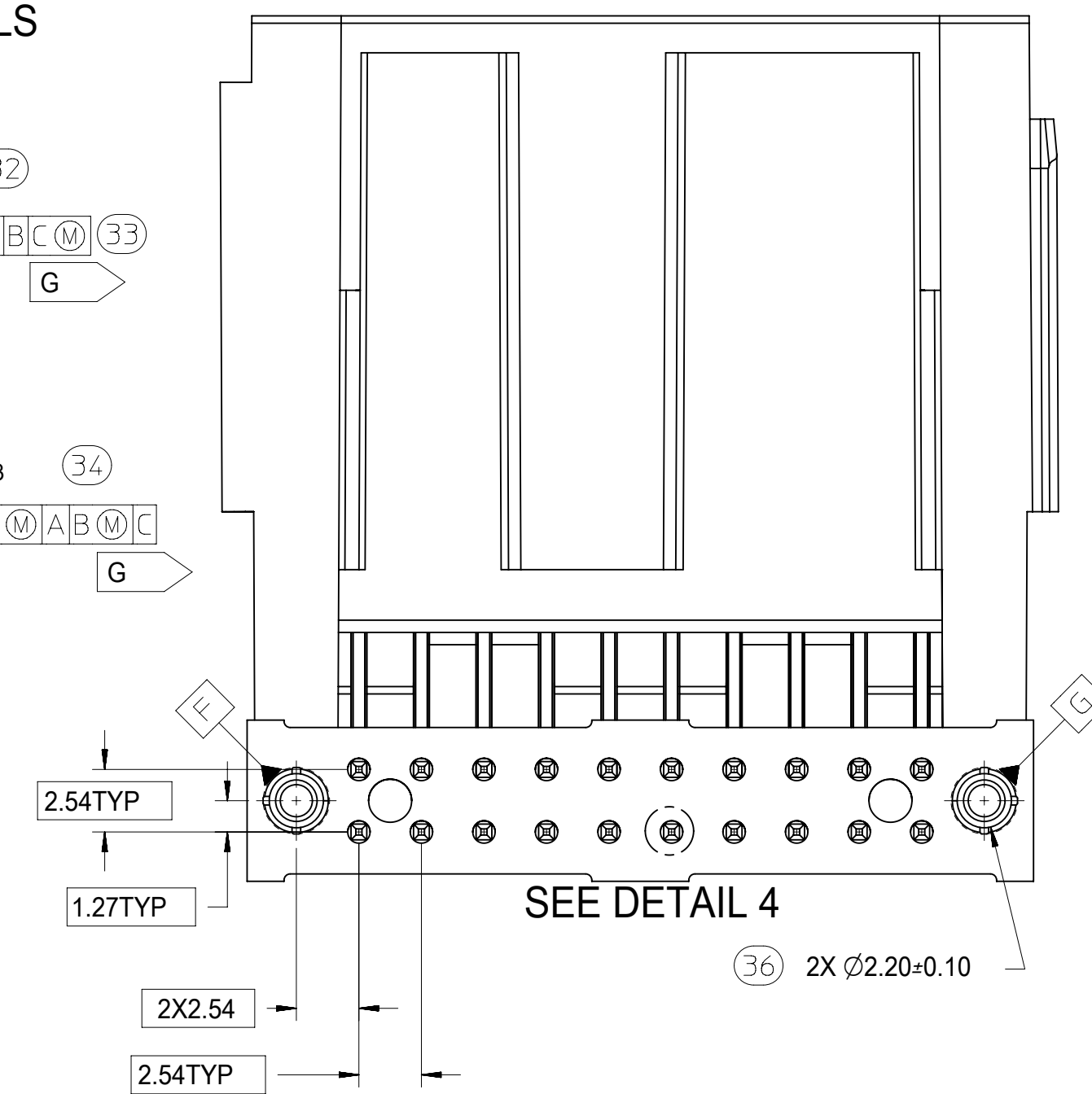
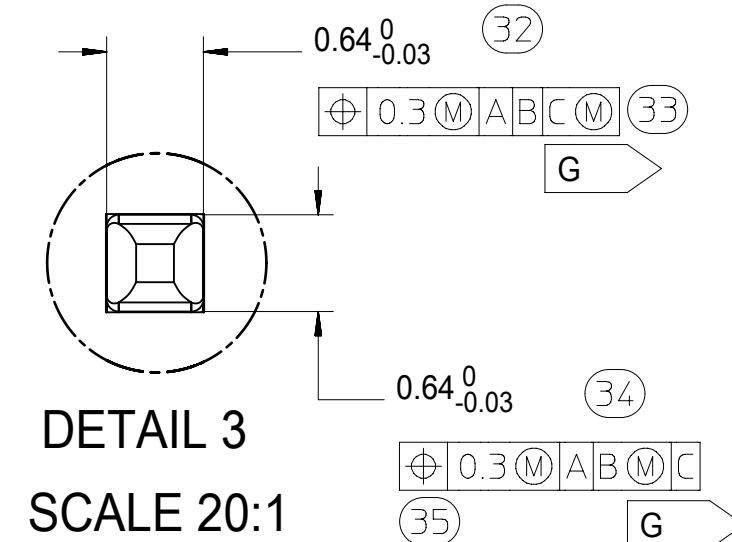
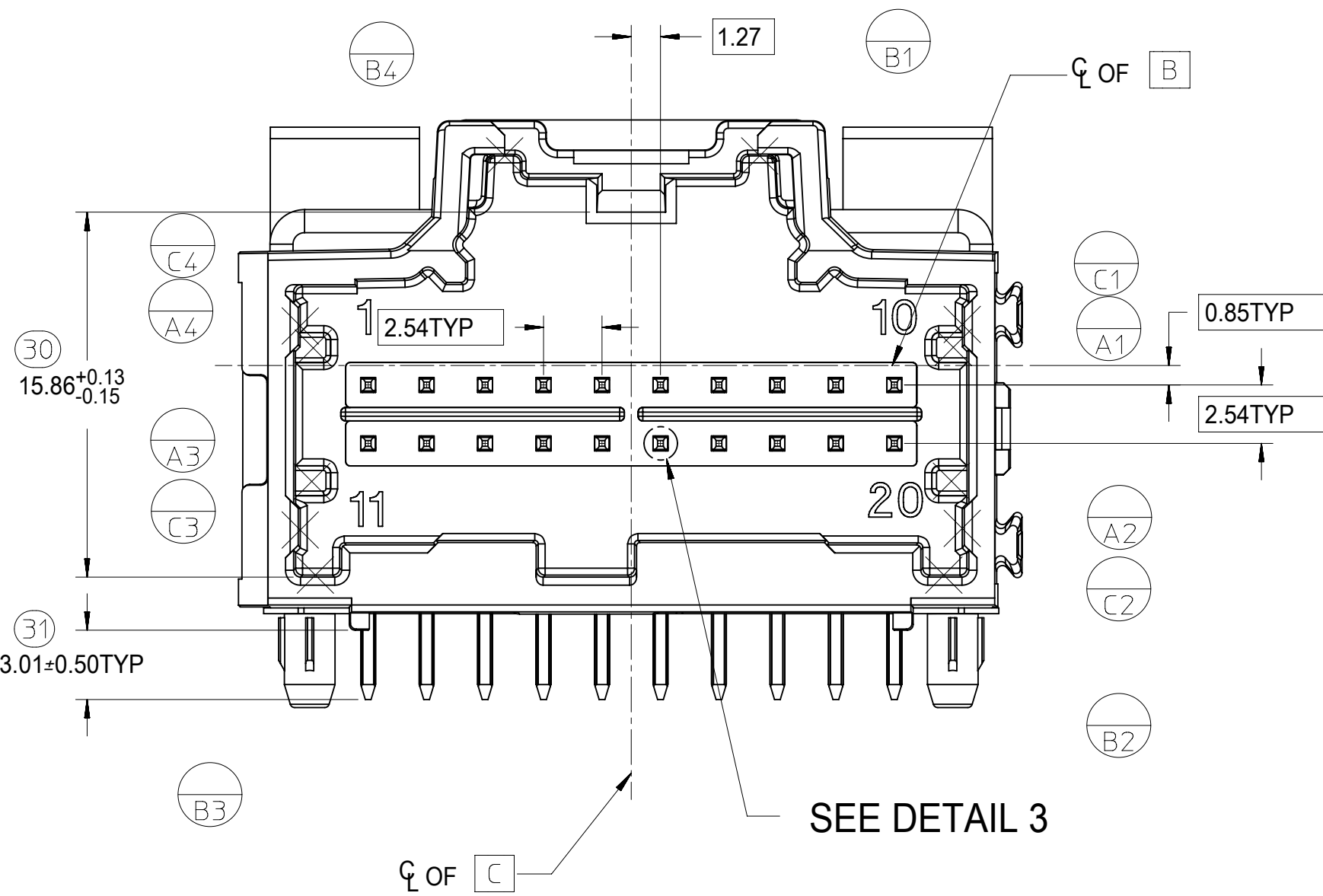
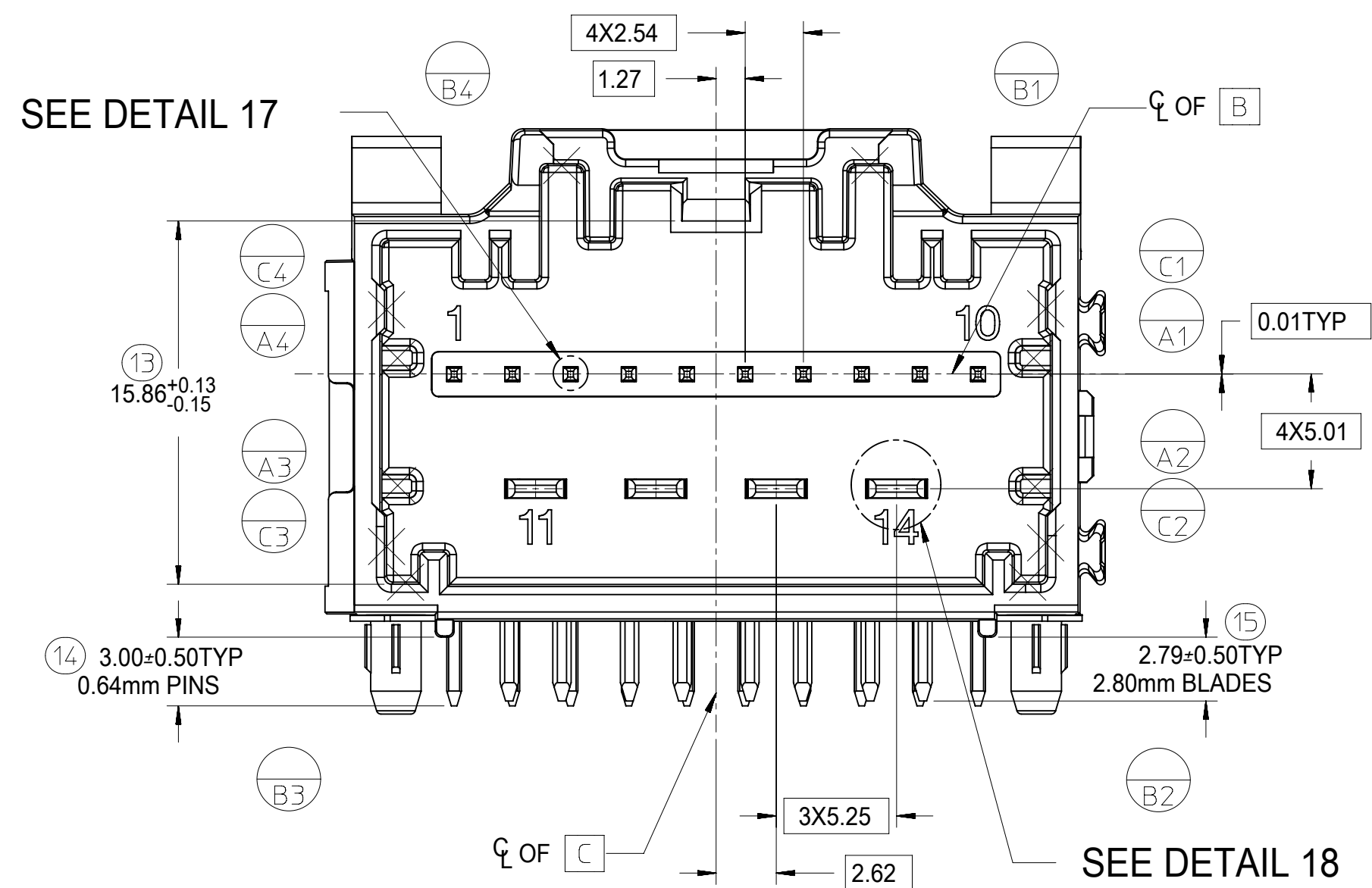
**ALL CIRCUIT SIZES**



<b>SYMBOLS</b> ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			<b>molex</b> 3-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING					
	DIMENSION UNITS <b>mm</b>	SCALE <b>1:1</b>	CURRENT REV DESC: EC NO: 612618 DRWN: SHANDITHAVAL 2019/02/22 CHK'D: RBAUMAN 2019/02/23 APPR: RBAUMAN 2019/02/23						
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ±			INITIAL REVISION: DRWN: JDUNAJ 2009/03/10 APPR: SMARCEAU 2009/03/11					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION	DRAWING <b>D-SIZE</b>	SERIES <b>34708</b>			
DOCUMENT STATUS   P1   RELEASE DATE   2019/02/23 23:33:02		DOCUMENT NUMBER   SD-34708-300		DOC TYPE   PSD		DOC PART   001		REVISION   U8	
			MATERIAL NUMBER   GENERAL MARKET			CUSTOMER   SHEET NUMBER   3 OF 6			

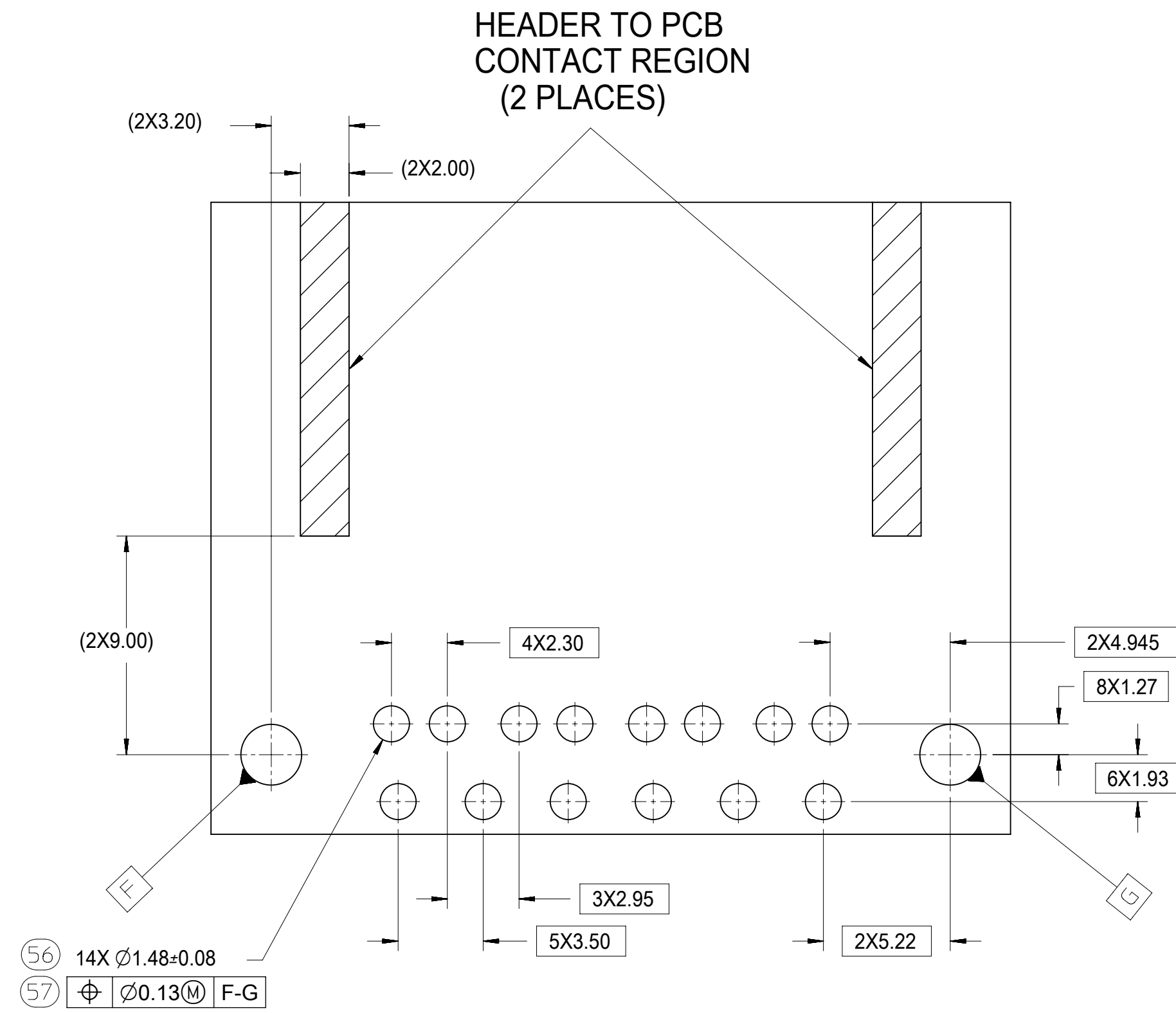


8-20 CKT 0.64mm HEADER DETAILS

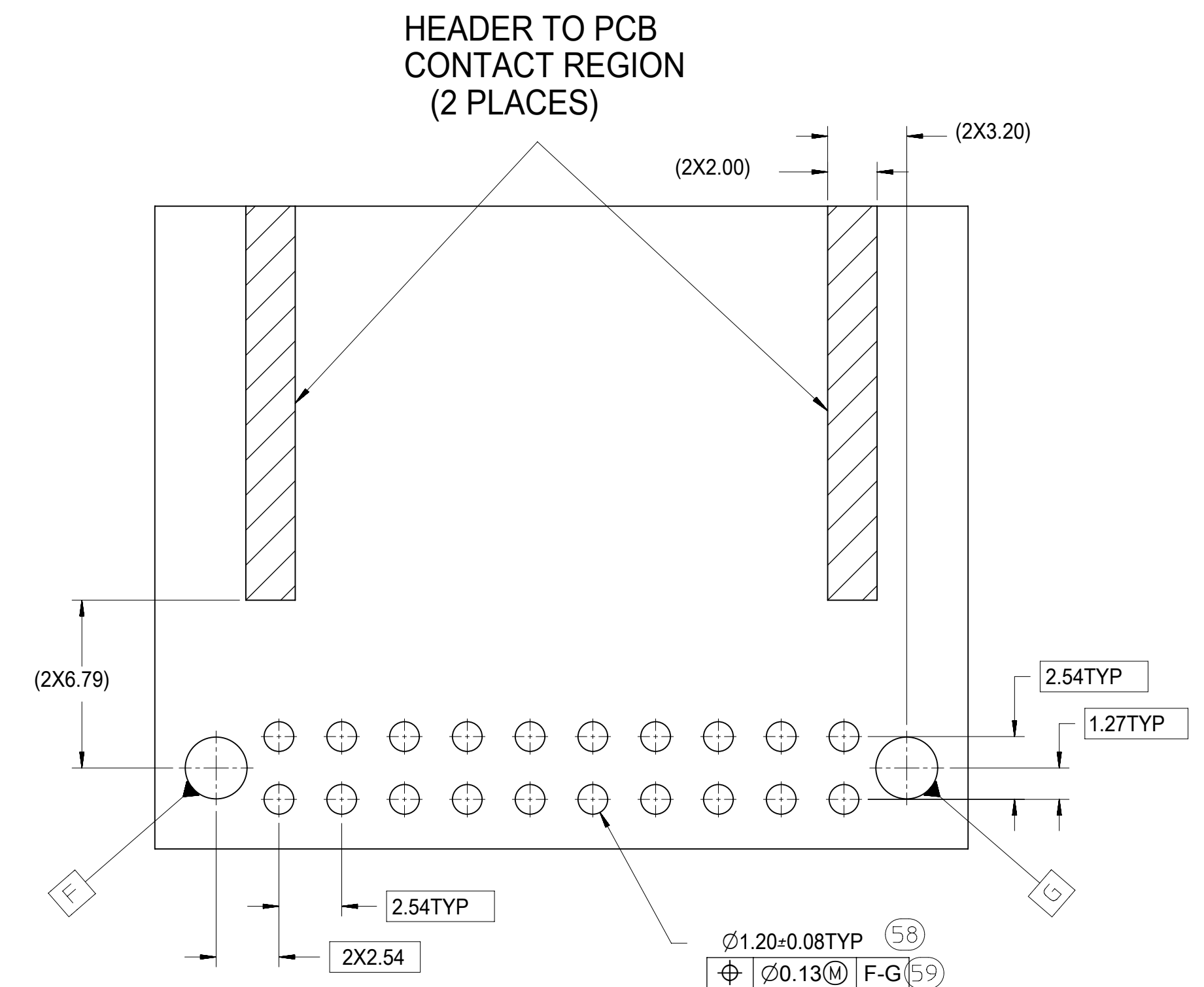


SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:	
	DIMENSION UNITS	SCALE		
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▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
▽ = 0	ANGULAR TOL ± 1.0°			
▽ = 0	4 PLACES	±	EC NO: 612618	
▽ = 0	3 PLACES	±	DRWN: SHANDITHAVAL 2019/02/22	
▽ = 0	2 PLACES	± 0.13	CHK'D: RBAUMAN 2019/02/23	
▽ = 0	1 PLACE	± 0.25	APPR: RBAUMAN 2019/02/23	
▽ = 0	0 PLACES	±	INITIAL REVISION:	
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: JDUNAJ 2009/03/10	2009/03/11
▽ = 0	THIRD ANGLE PROJECTION		APPR: SMARCEAU 2009/03/11	
	DRAWING		SERIES	
	D-SIZE		34708	
DOCUMENT STATUS		P1	RELEASE DATE	2019/02/23 23:33:02
DOCUMENT NUMBER		DOC TYPE		DOC PART
SD-34708-300		PSD		001 U8
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
GENERAL MARKET				4 OF 6

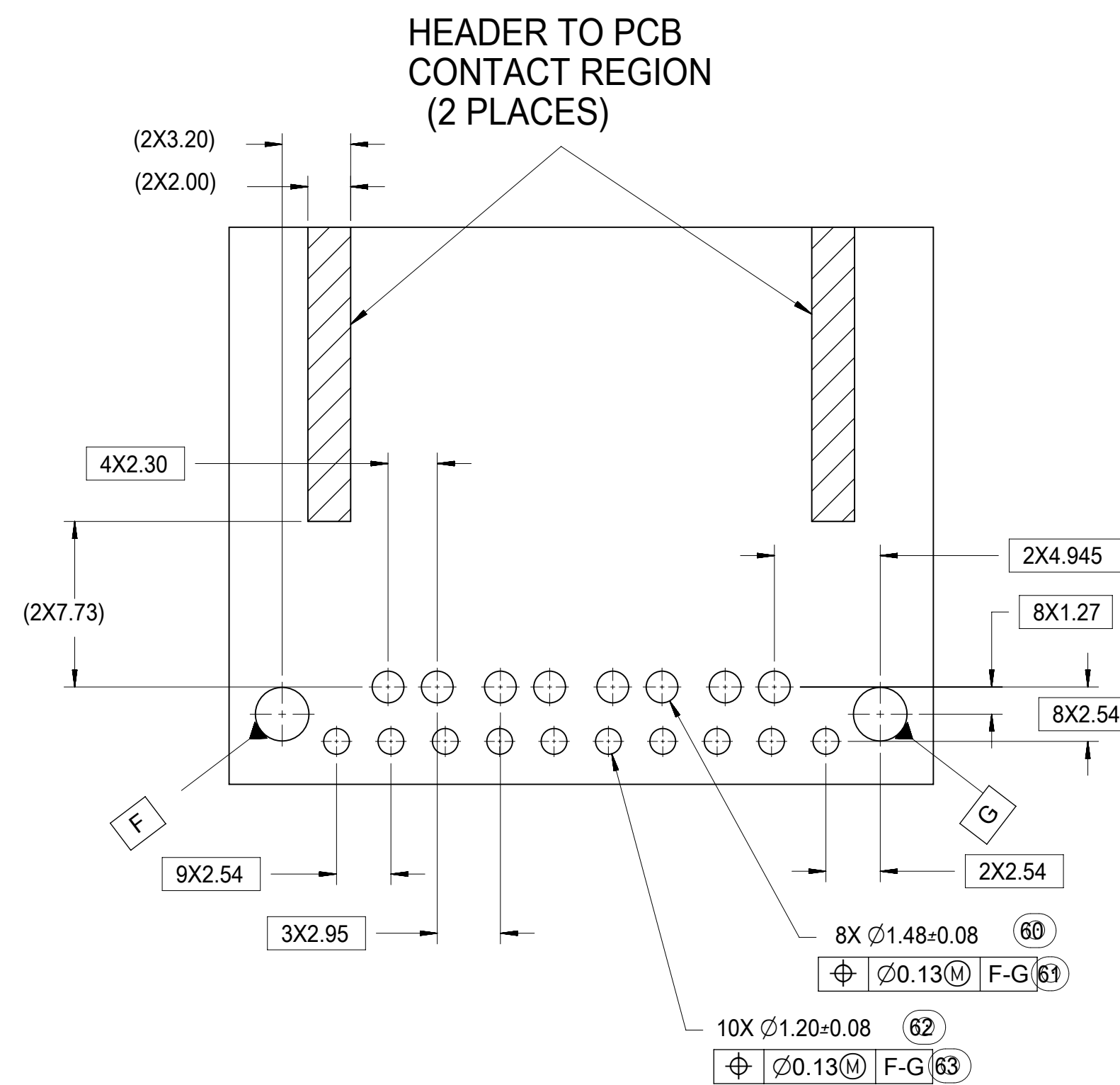
# 10 CKT HYBRID TEMPLATE PCB LAYOUT



# 8-20 CKT 0.64mm TEMPLATE PCB LAYOUT

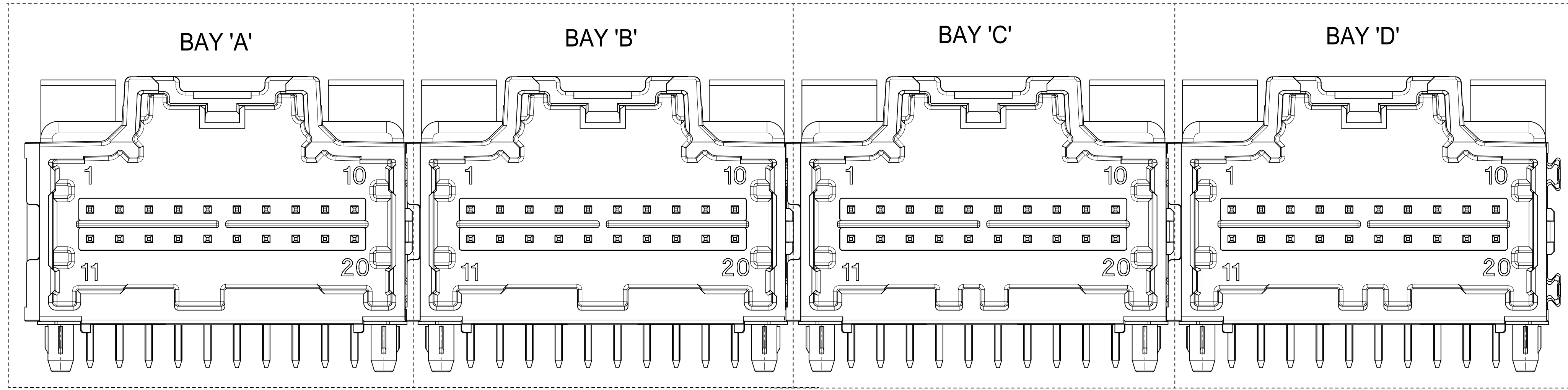


# 14 CKT HYBRID TEMPLATE PCB LAYOUT



SYMBOLS	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:
▽ = 0	mm	1:1	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL	± 1.0°	
▽ = 0	4 PLACES	±	
▽ = 0	3 PLACES	±	
▽ = 0	2 PLACES	± 0.13	
▽ = 0	1 PLACE	± 0.25	
▽ = 0	0 PLACES	±	
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
		D-SIZE	34708
		MATERIAL NUMBER	CUSTOMER
		SD-34708-300	GENERAL MARKET
		DOC TYPE	DOC PART
		PSD	001
		REVISION	U8
		SHEET NUMBER	
		5 OF 6	

# 4 BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY (P/N: 34708-4000 SHOWN)



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

- b. 0.64mm PINS:  
BASE MATERIAL: C26000  
PLATING TYPE: AS NOTED

- c. 1.50/2.80mm BLADES:  
BASE MATERIAL: C19400  
PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:

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

4. FOR DESCRIPTION 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-34773-100

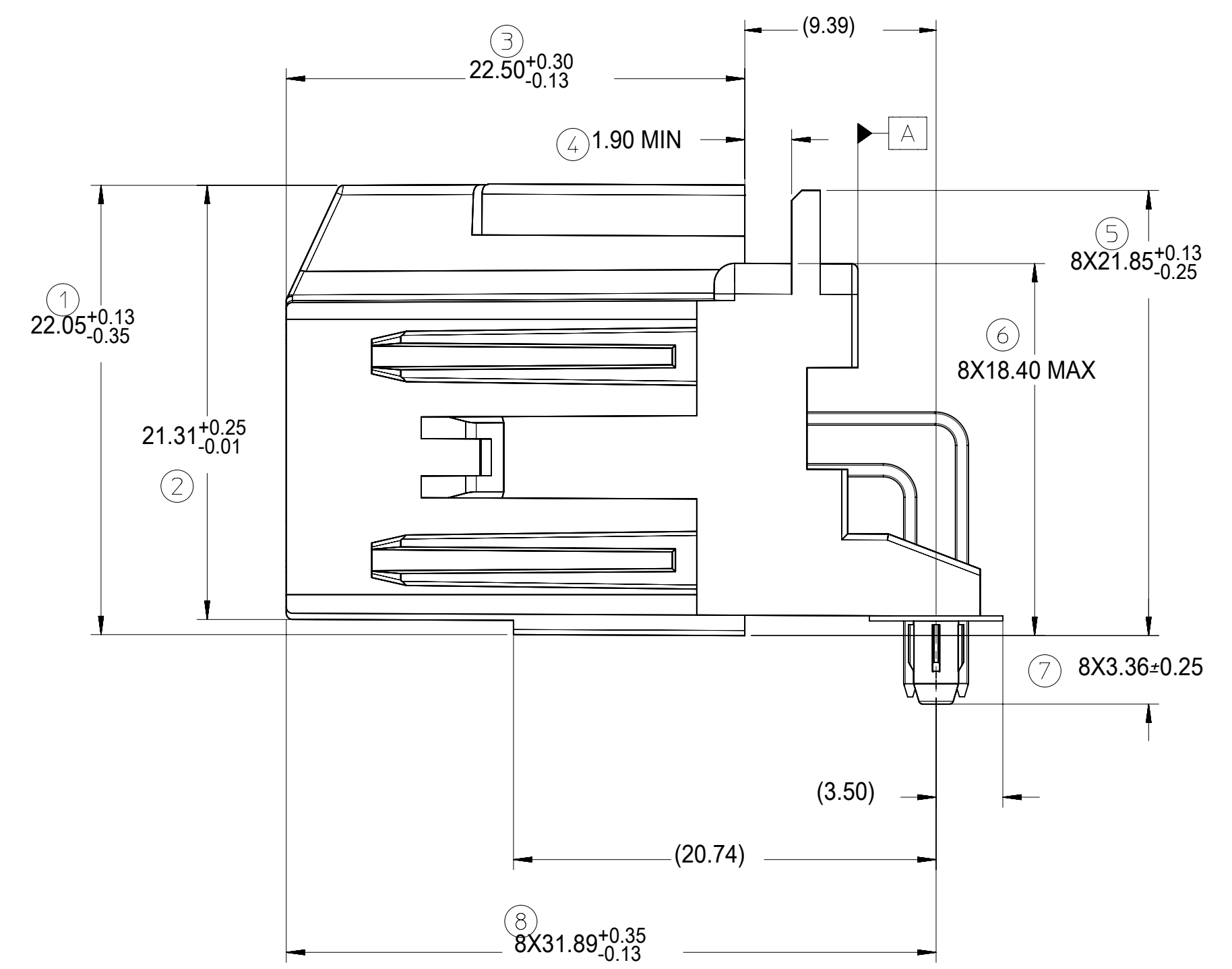
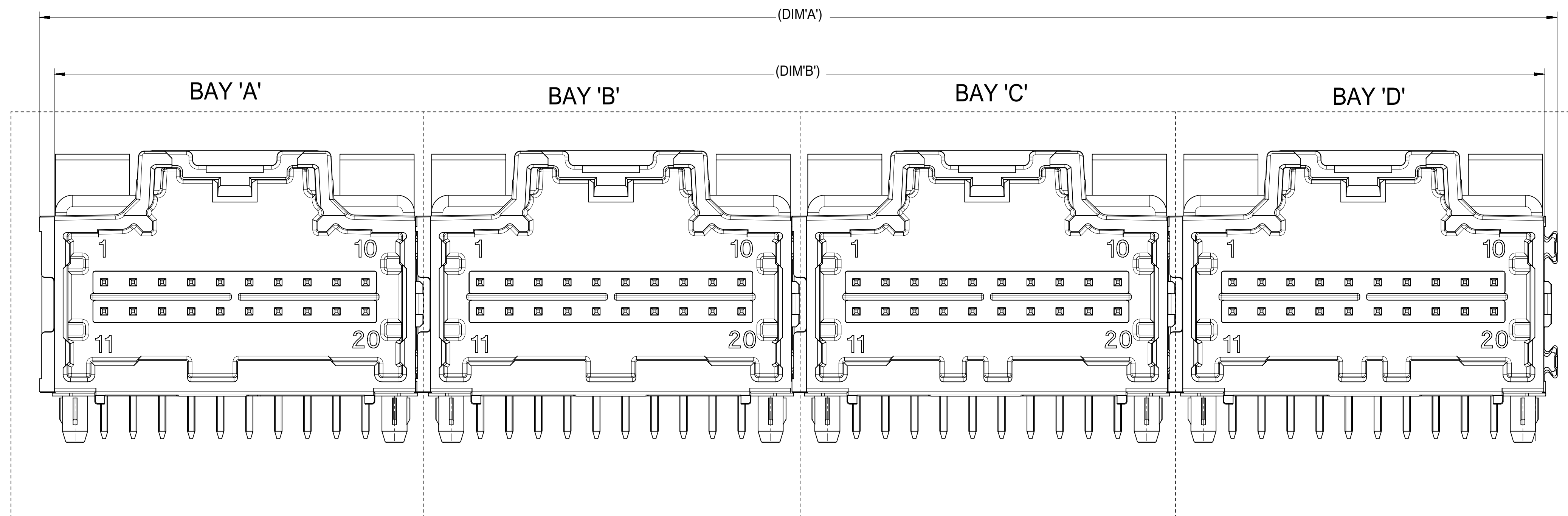
<b>SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
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	= 0	mm	1:1	EC NO: 612618							
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: SHANDITHAVAL 2019/01/23							4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING
	= 0	ANGULAR TOL ± 1.0°		CHK'D: RBAUMAN 2019/02/23							
	= 0	4 PLACES ±		APPR: RBAUMAN 2019/02/23							PRODUCT CUSTOMER DRAWING
	= 0	3 PLACES ±		INITIAL REVISION:							
	= 0	2 PLACES ± 0.13		DRWN: VDANIELE 2008/11/14							DOCUMENT NUMBER <b>SD-34708-400</b>
	= 0	1 PLACE ± 0.25		APPR: SMARCEAU 2008/11/14							
	= 0	0 PLACES ±		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							DOC TYPE PSD
	= 0	THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
						<b>D-SIZE</b>		<b>34708</b>		SEE TABLE	
						<b>D-SIZE</b>		<b>34708</b>		GENERAL MARKET	
						<b>D-SIZE</b>		<b>34708</b>		1 OF 5	



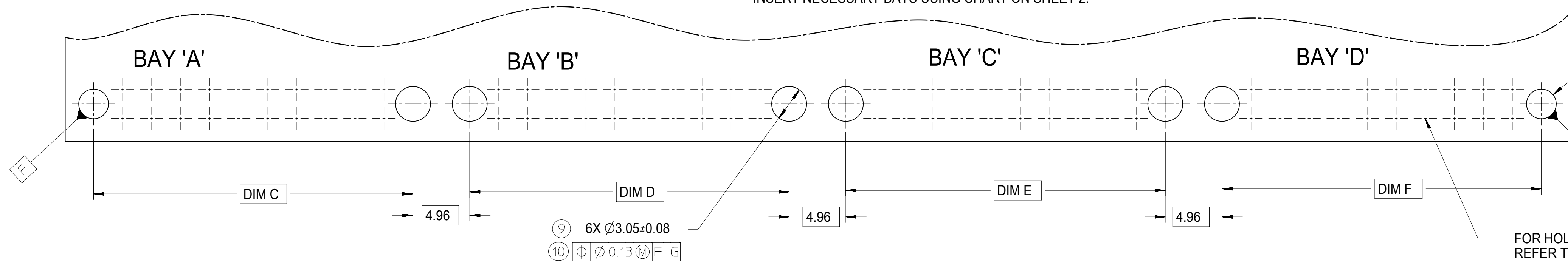
## DIMENSIONAL CHART FOR MULTIBAY CONFIGURATION

4 BAY PART NUMBER (ALT TRAY)	4 BAY PART NUMBER (TUBE PKG)	4 BAY PART NUMBER (TRAY PKG)	BAY A			BAY B			BAY C			BAY D			DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
			CKT	TYPE	POL	CKT	TYPE	POL	CKT	TYPE	POL	CKT	TYPE	POL						
TBD	34708-9000	34708-4000	20	0.64mm	A	20	0.64mm	B	20	0.64mm	C	20	0.64mm	D	132.74	130.27	27.94	27.94	27.94	27.94
TBD	TBD	34708-4010	12	0.64mm	A	12	0.64mm	B	16	0.64mm	A	8	0.64mm	A	92.10	89.63	17.78	17.78	22.86	12.70
TBD	TBD	34708-4020	16	0.64mm	B	8	0.64mm	B	16	0.64mm	C	12	0.64mm	C	97.18	94.71	22.86	12.70	22.86	17.78
TBD	TBD	34708-4030	16	0.64mm	A	20	0.64mm	A	12	0.64mm	A	20	0.64mm	B	117.50	115.03	22.86	27.94	17.78	27.94
TBD	TBD	34708-4040	20	0.64mm	B	12	0.64mm	A	20	0.64mm	A	12	0.64mm	C	112.42	109.95	27.94	17.78	27.94	17.78
TBD	TBD	34708-4050	20	0.64mm	A	16	0.64mm	A	8	0.64mm	A	10	HYBRID	A	112.42	109.95	27.94	22.86	12.70	27.94
TBD	TBD	34708-4060	20	0.64mm	C	20	0.64mm	A	20	0.64mm	B	12	0.64mm	A	122.58	120.11	27.94	27.94	27.94	17.78
TBD	TBD	34708-4070	12	0.64mm	A	20	0.64mm	D	20	0.64mm	C	20	0.64mm	A	122.58	120.11	17.78	27.94	27.94	27.94
TBD	TBD	34708-4080	20	0.64mm	B	8	0.64mm	A	20	0.64mm	A	12	0.64mm	A	107.34	104.87	27.94	12.70	27.94	17.78
TBD	TBD	34708-4090	12	0.64mm	A	20	0.64mm	A	20	0.64mm	B	20	0.64mm	C	122.58	120.11	17.78	27.94	27.94	27.94
TBD	TBD	34708-4011	16	0.64mm	B	16	0.64mm	A	8	0.64mm	A	10	HYBRID	A	107.34	104.87	22.86	22.86	12.70	27.94
TBD	TBD	34708-4012	8	0.64mm	B	20	0.64mm	D	12	0.64mm	A	12	0.64mm	C	97.18	94.71	12.70	27.94	17.78	17.78
TBD	34708-9013	34708-4013	16	0.64mm	A	20	0.64mm	B	20	0.64mm	C	20	0.64mm	D	127.66	125.19	22.86	27.94	27.94	27.94
TBD	TBD	34708-4014	8	0.64mm	A	20	0.64mm	C	20	0.64mm	B	10	HYBRID	A	117.50	115.03	12.70	27.94	27.94	27.94
TBD	34708-9015	34708-4015	20	0.64mm	A	20	0.64mm	B	20	0.64mm	C	8	0.64mm	A	117.50	115.03	27.94	27.94	27.94	12.70
TBD	34708-9016	34708-4016	20	0.64mm	A	20	0.64mm	B	20	0.64mm	C	12	0.64mm	A	122.58	120.11	27.94	27.94	27.94	17.78
TBD	TBD	34708-4017	20	0.64mm	D	20	0.64mm	A	20	0.64mm	B	20	0.64mm	C	132.74	130.27	27.94	27.94	27.94	27.94
TBD	TBD	34708-4018	20	0.64mm	C	20	0.64mm	A	20	0.64mm	B	16	0.64mm	A	127.66	125.19	27.94	27.94	27.94	22.86
34708-9519	TBD	34708-4019	10	HYBRID	A	16	0.64mm	C	12	0.64mm	B	20	0.64mm	A	117.50	115.03	27.94	22.86	17.78	27.94
TBD	TBD	34708-4020	10	HYBRID	A	10	HYBRID	B	20	0.64mm	A	20	0.64mm	B	132.74	130.27	27.94	27.94	27.94	27.94

<b>SYMBOLS</b>	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
▽ = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC:
▽ = 0	mm	1:1	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 612618 DRWN: SHANDITHAVAL 2019/01/23 CHK'D: RBAUMAN 2019/02/23 APPR: RBAUMAN 2019/02/23 INITIAL REVISION: DRWN: VDANIELE 2008/11/14 APPR: SMARCEAU 2008/11/14
▽ = 0	ANGULAR TOL ± 1.0°		
▽ = 0	4 PLACES ±		
▽ = 0	3 PLACES ±		
▽ = 0	2 PLACES ± 0.13		
▽ = 0	1 PLACE ± 0.25		DOCUMENT NUMBER <b>SD-34708-400</b> DOC TYPE DOC PART REVISION PSD 001 P
▽ = 0	0 PLACES ±		
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	SERIES
▽ = 0		DRAWING	MATERIAL NUMBER CUSTOMER SHEET NUMBER
		<b>D-SIZE</b>	<b>34708</b> SEE TABLE GENERAL MARKET 2 OF 5

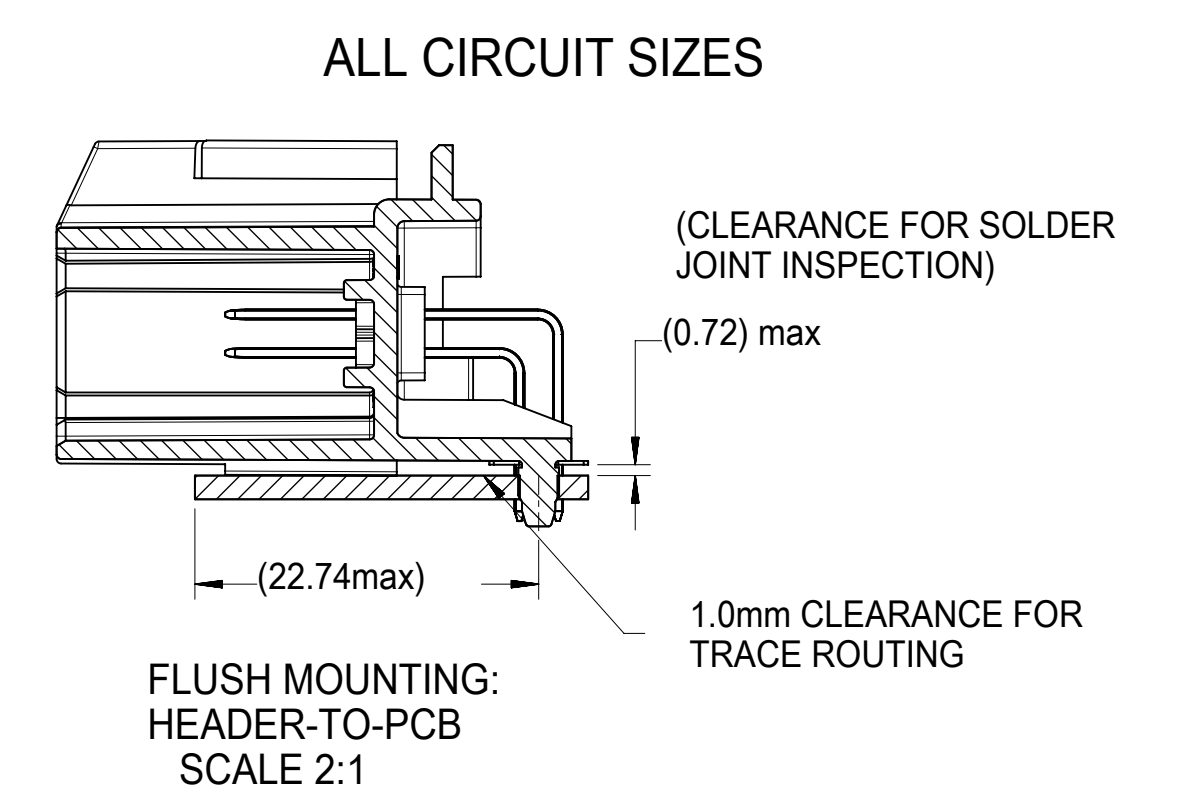


**RECOMMENDED PCB LAYOUT**  
 INSERT NECESSARY BAYS USING CHART ON SHEET 2.



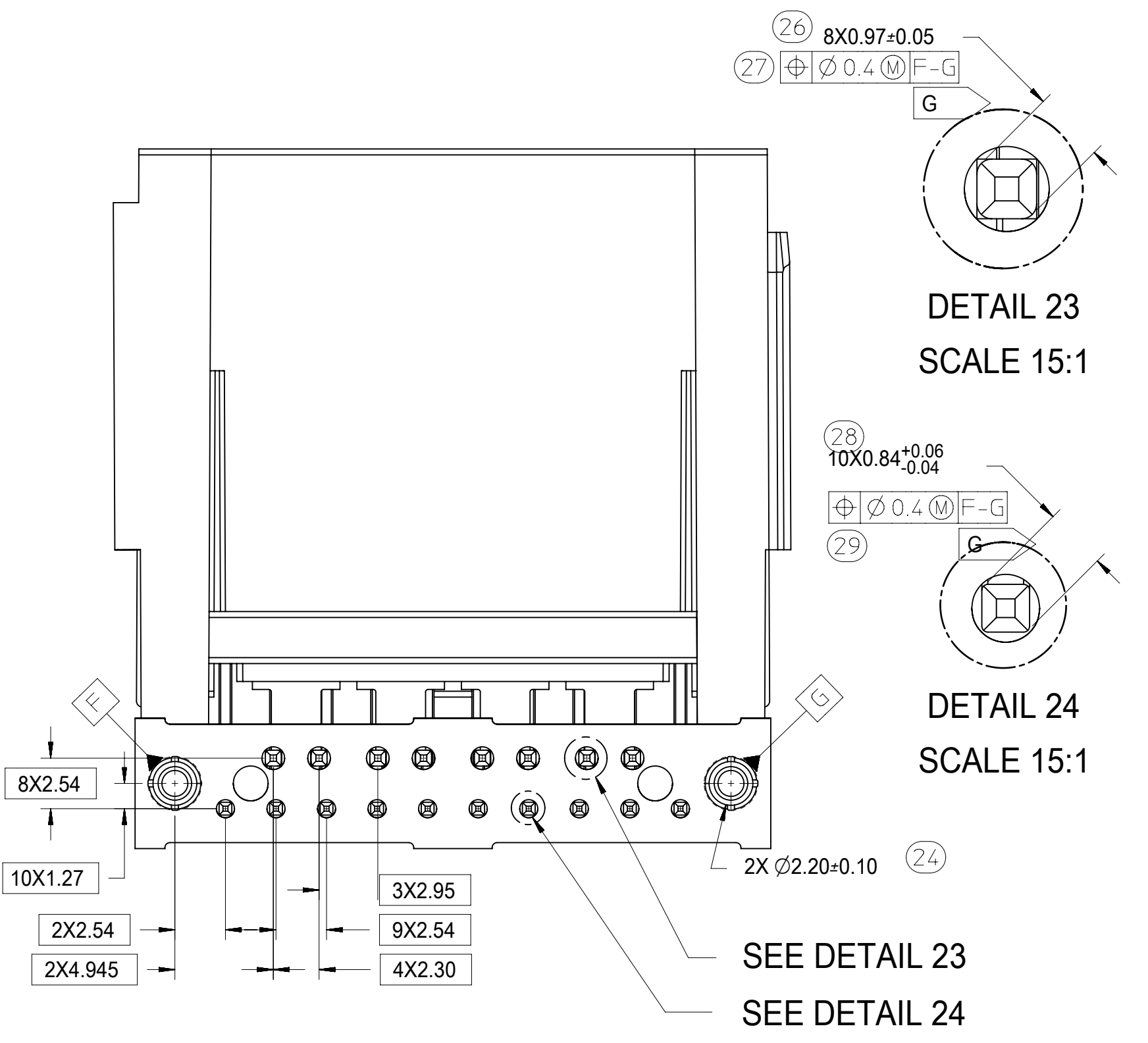
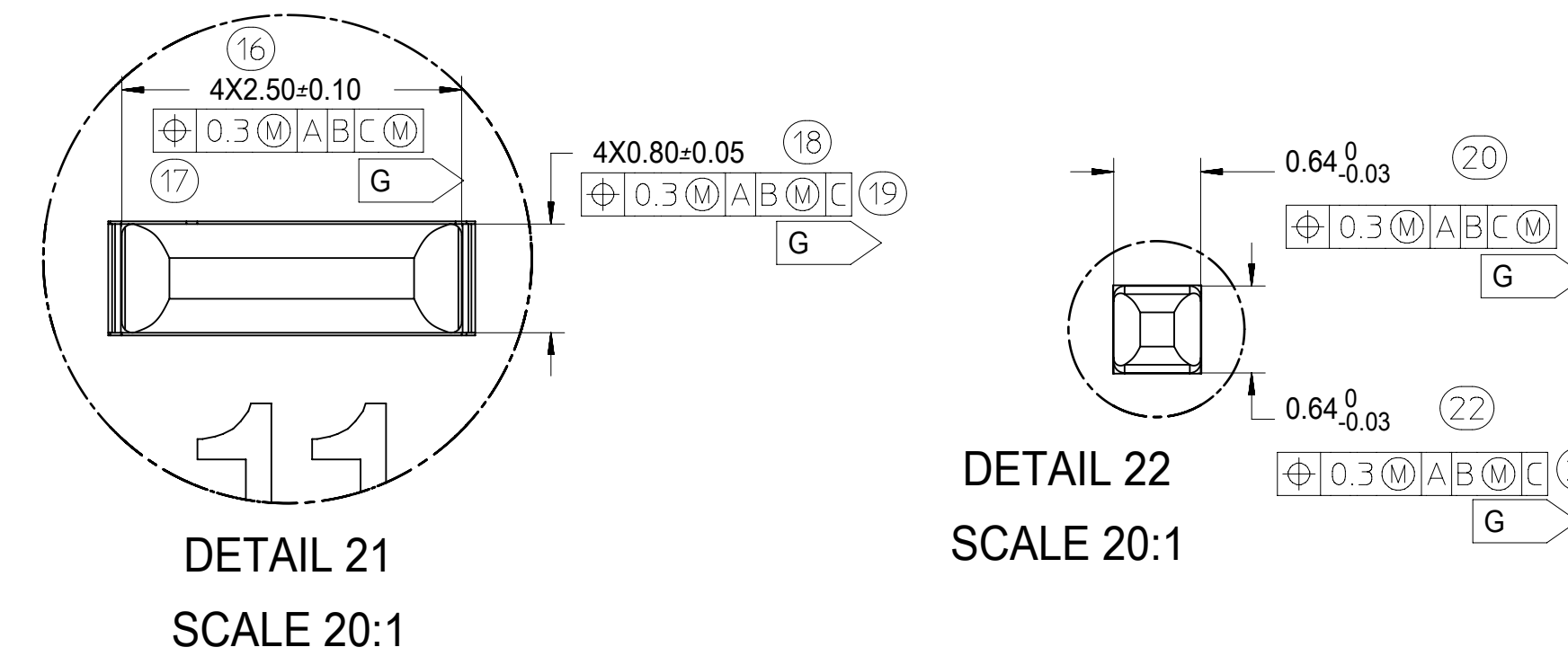
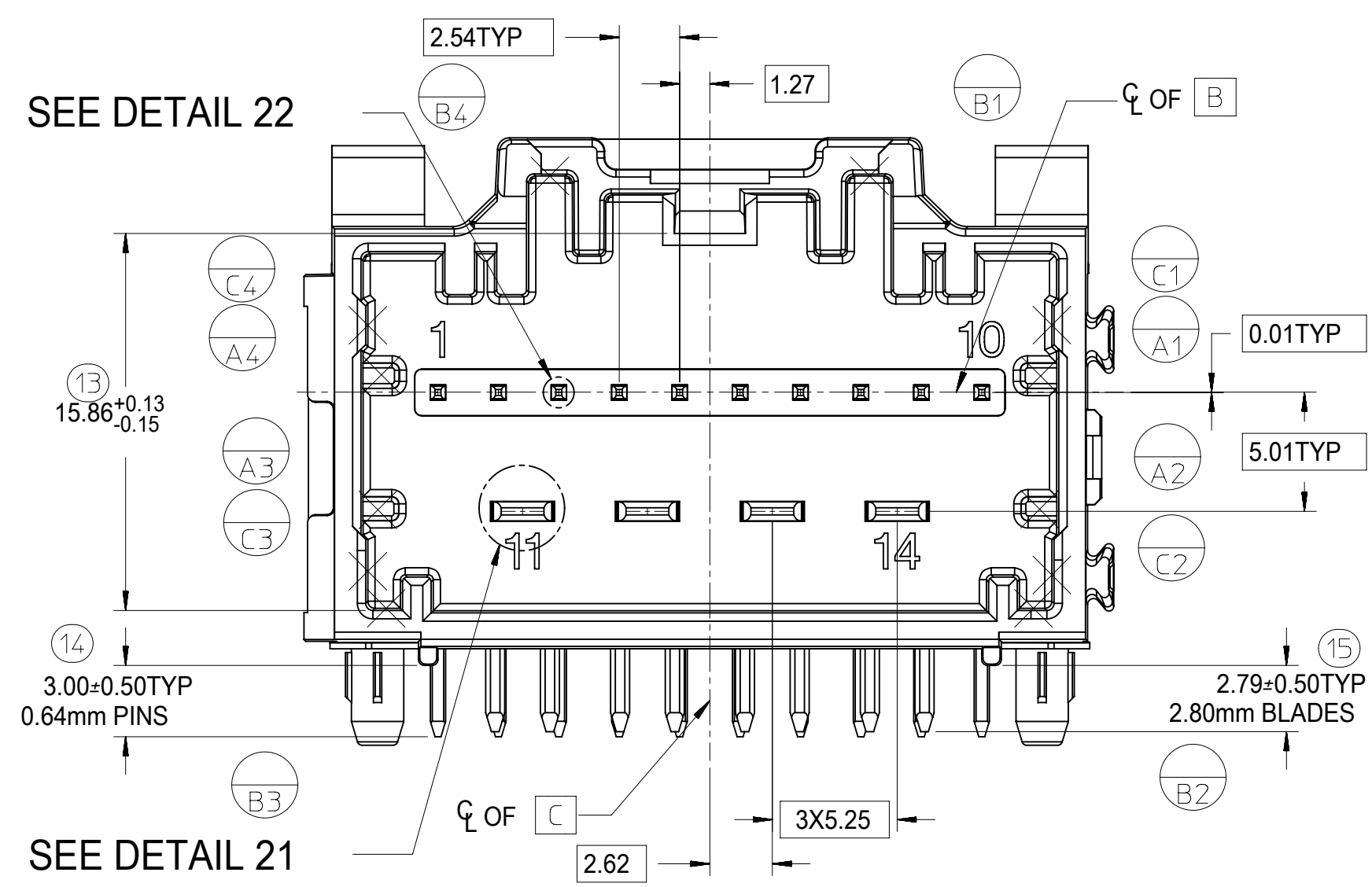
POST HOLE TABLE:  
 FOR DIM E:

PRESS FIT:	2.60
DROP IN:	3.05

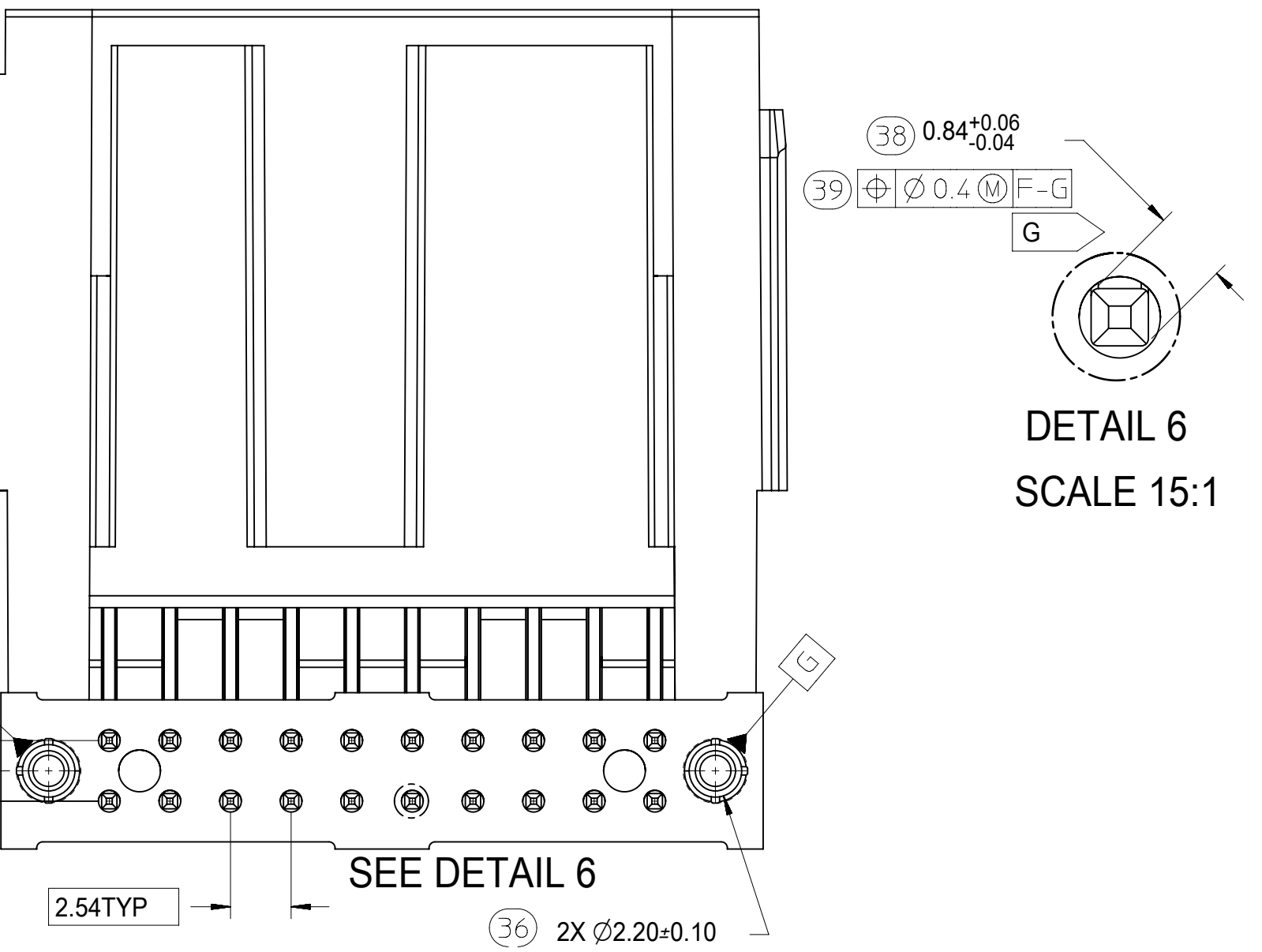
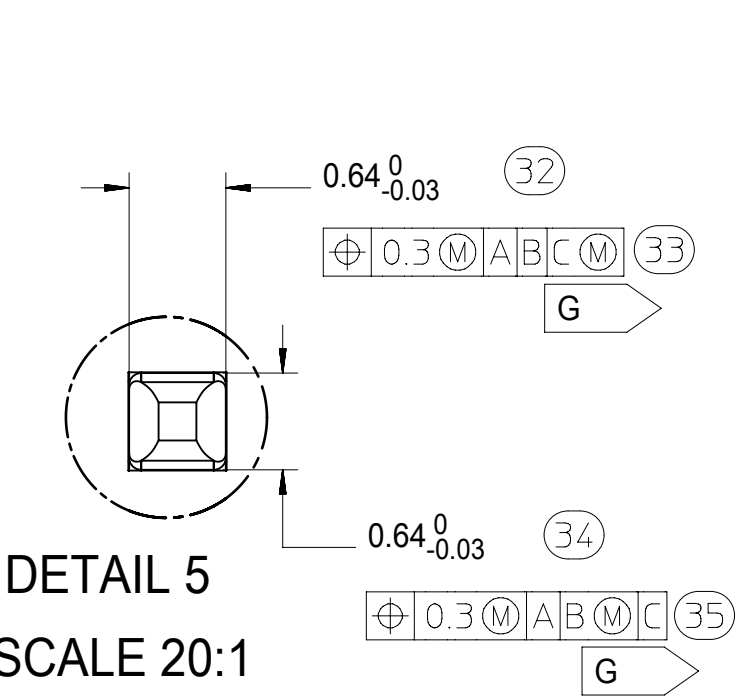
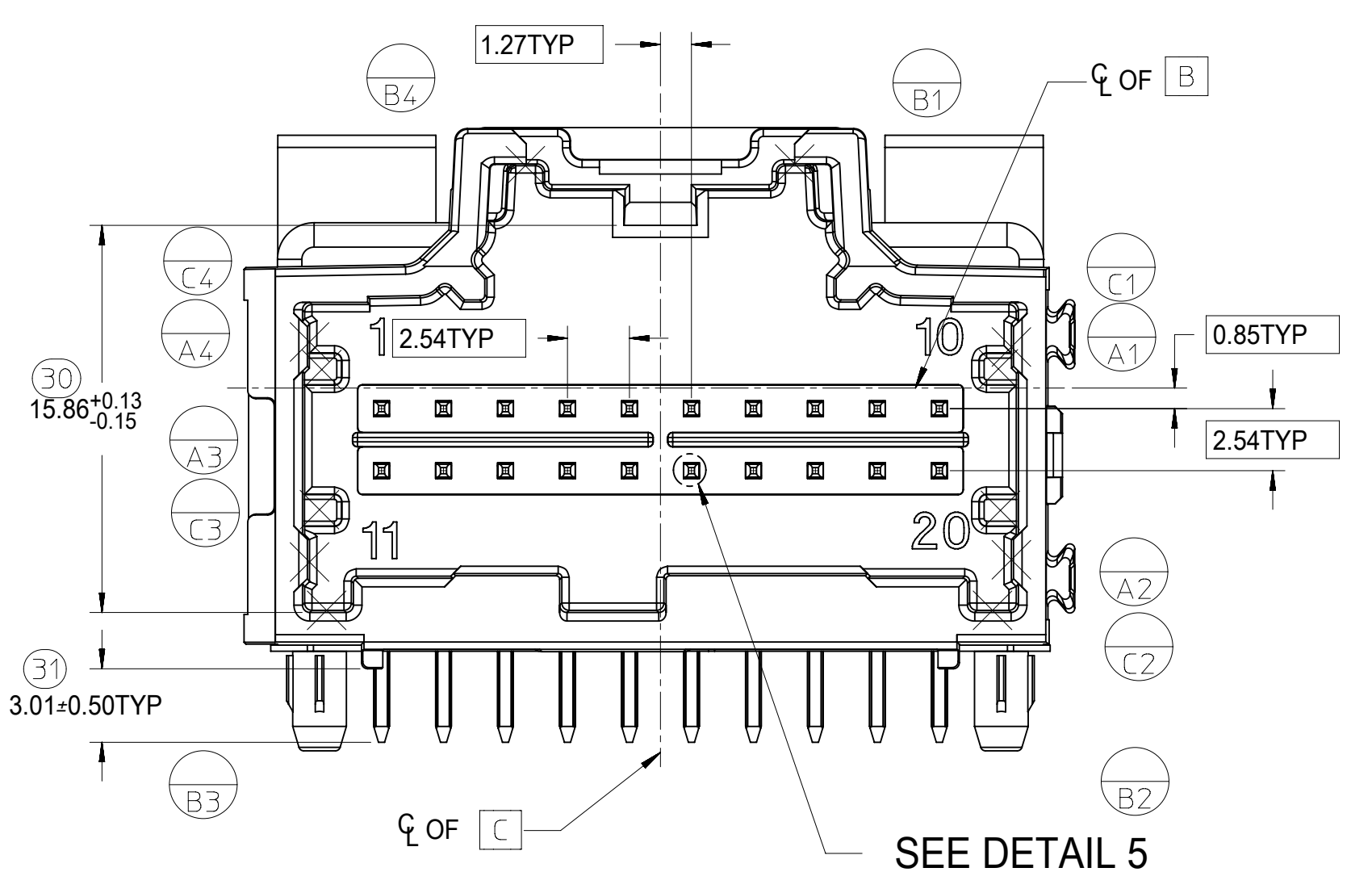


FOR HOLE LOCATION REFER TO TEMPLATES ON SHEET 5

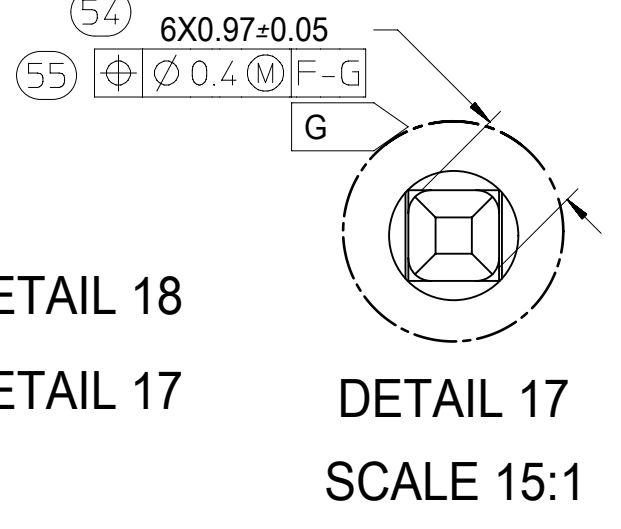
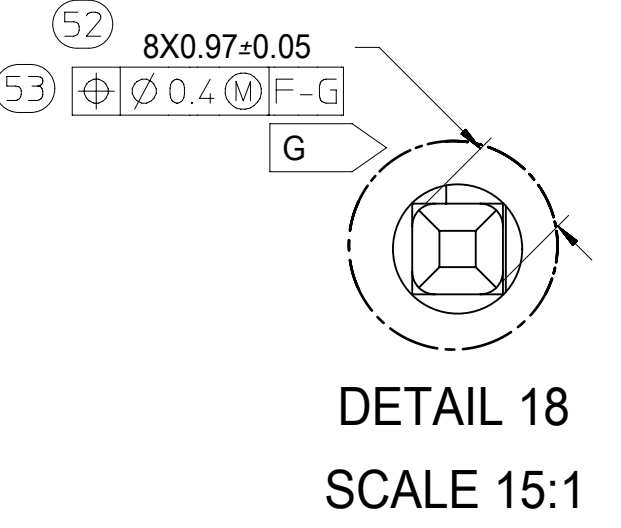
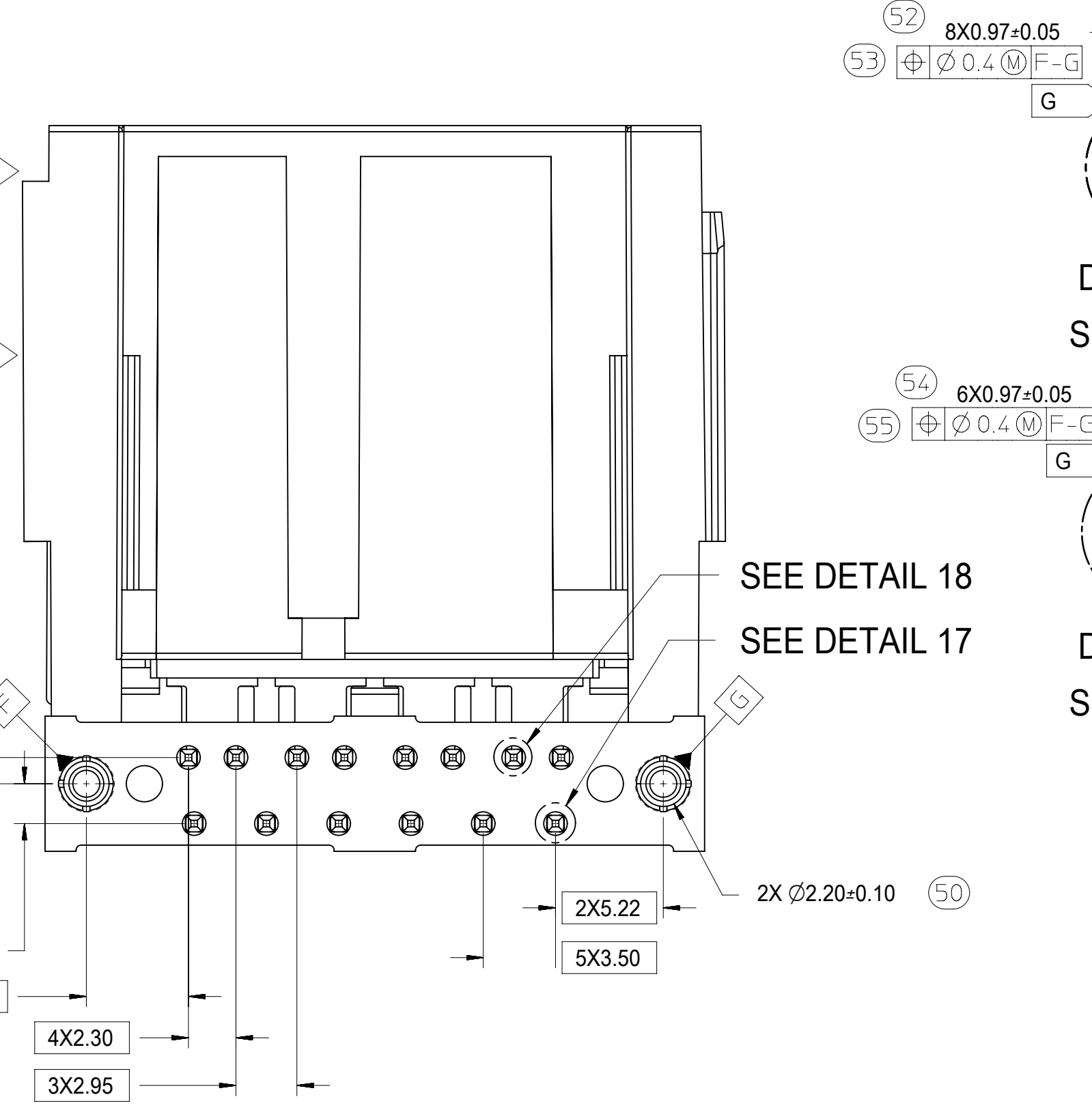
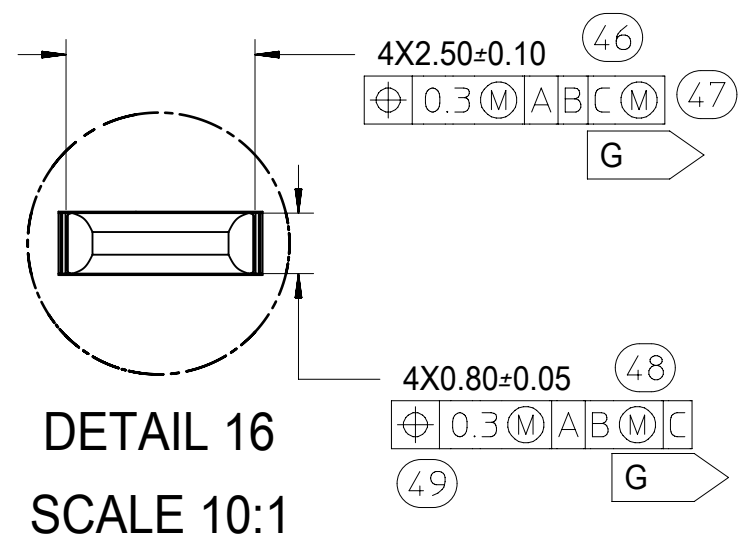
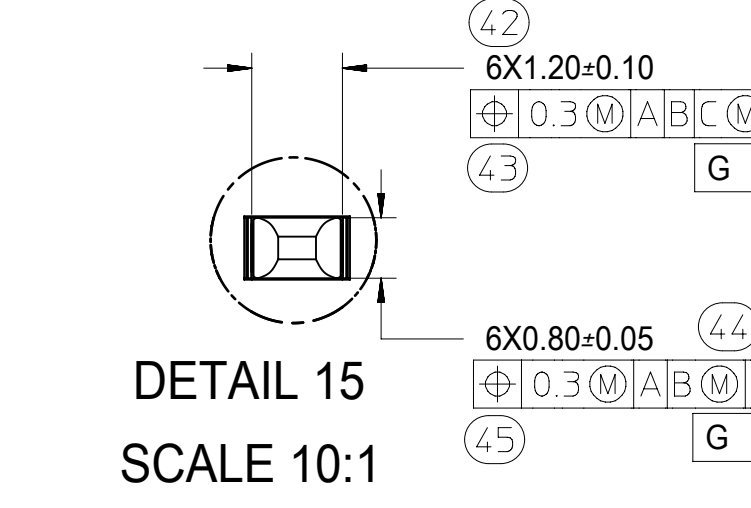
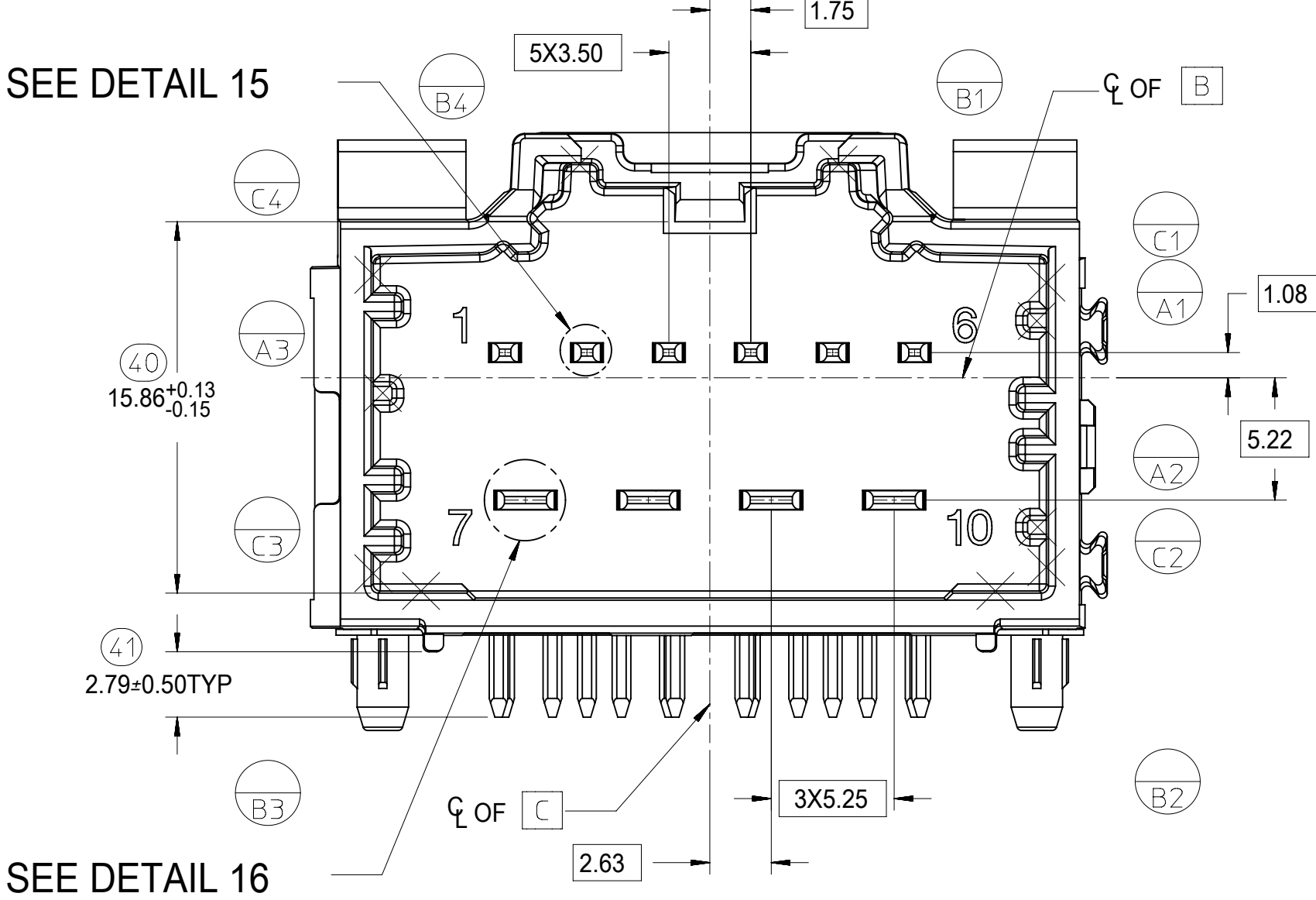
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:				
	DIMENSION UNITS	SCALE					
▽ = 0	mm	1:1	4 PLACES	CHK'D: RBAUMAN	2019/02/23	4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		3 PLACES	APPR: RBAUMAN	2019/02/23	PRODUCT CUSTOMER DRAWING	
▽ = 0	ANGULAR TOL ± 1.0°		2 PLACES	INITIAL REVISION:		DOCUMENT NUMBER	
▽ = 0	4 PLACES ±		1 PLACE ± 0.25	DRWN: VDANIELE	2008/11/14	SD-34708-400	DOC TYPE
▽ = 0	3 PLACES ±		0 PLACES ±	APPR: SMARCEAU	2008/11/14		
▽ = 0	2 PLACES ± 0.13		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DOC PART
▽ = 0	1 PLACE ± 0.25		DRAWING		SERIES		
▽ = 0	0 PLACES ±		D-SIZE		34708		P
▽ = 0	0 PLACES ±		MATERIAL NUMBER		CUSTOMER		
▽ = 0	0 PLACES ±		SEE TABLE		GENERAL MARKET		3 OF 5



8-20CKT STAC 0.64mm HEADER DETAILS

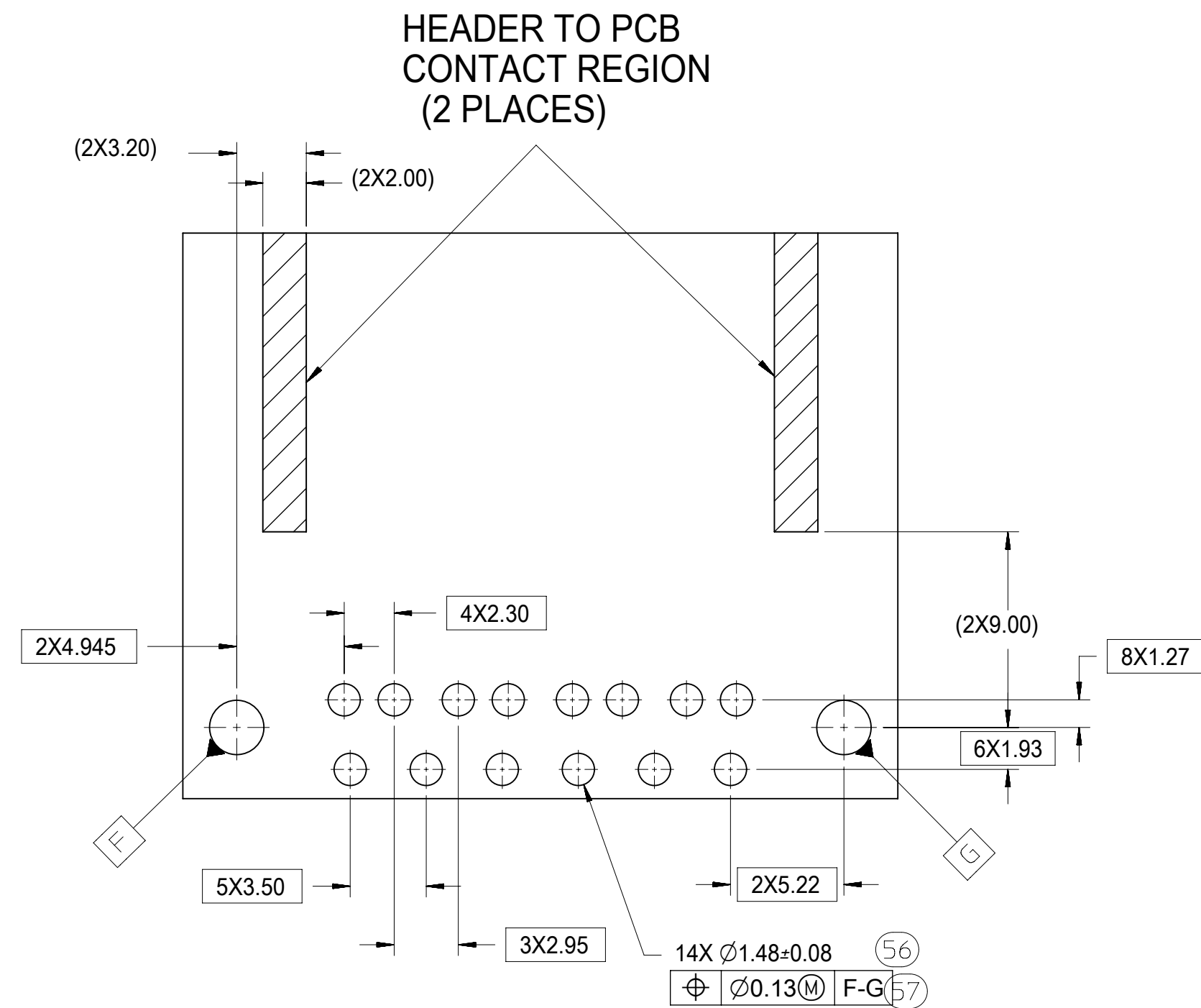


10CKT STAC HYBRID HEADER DETAILS

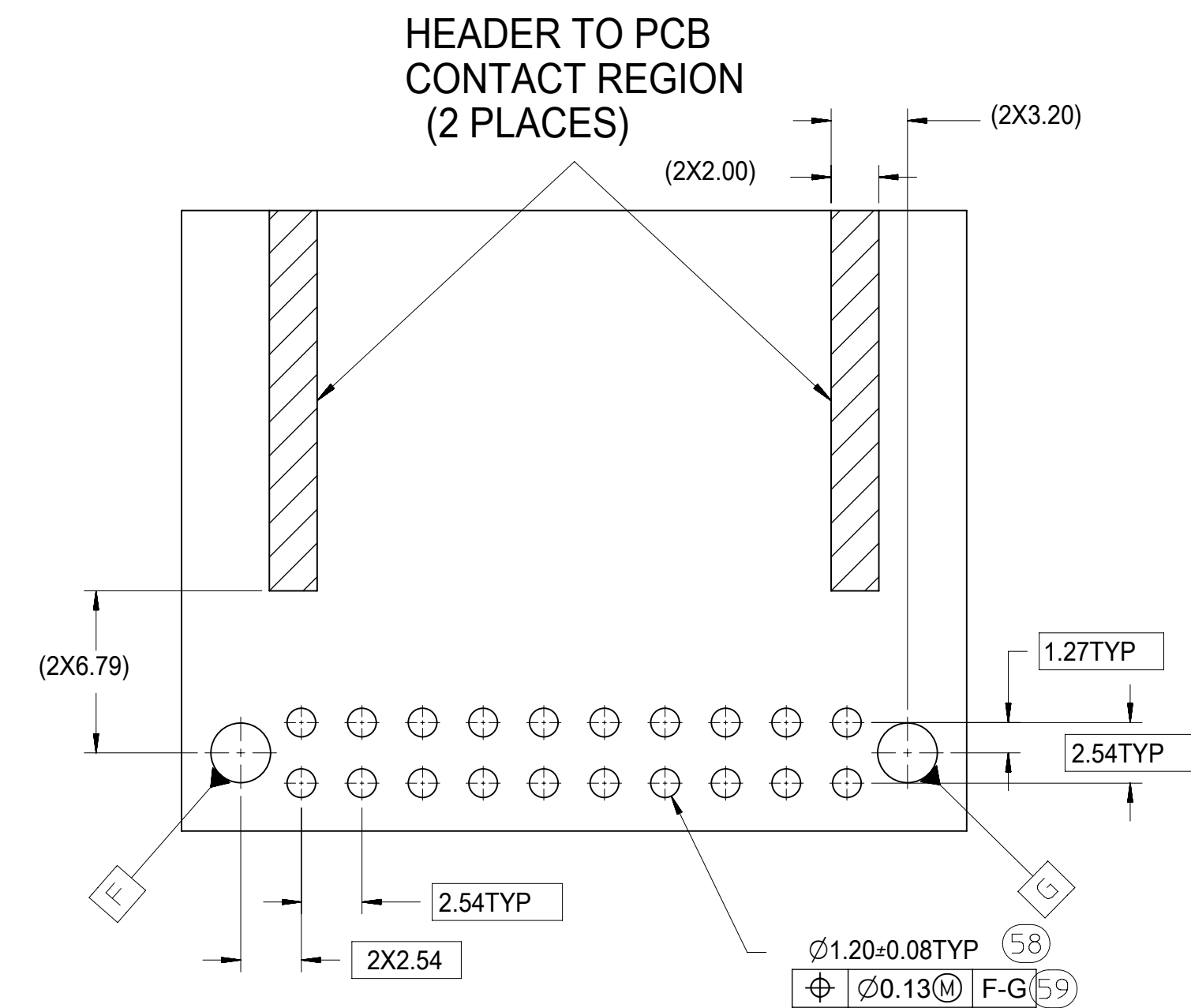


SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:	
	DIMENSION UNITS	SCALE		
▽ = 0	mm	1:1		
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			
▽ = 0	ANGULAR TOL ± 1.0°			
▽ = 0	4 PLACES ±			
▽ = 0	3 PLACES ±			
▽ = 0	2 PLACES ± 0.13			
▽ = 0	1 PLACE ± 0.25			
▽ = 0	0 PLACES ±			
⊠ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	
▽ = 0		DRAWING	SERIES	
		D-SIZE	34708	
		MATERIAL NUMBER	CUSTOMER	
		SEE TABLE	GENERAL MARKET	
		DOCUMENT NUMBER	DOC TYPE	DOC PART
		SD-34708-400	PSD	001
		REVISION		
		P		
		SHEET NUMBER		
		4 OF 5		

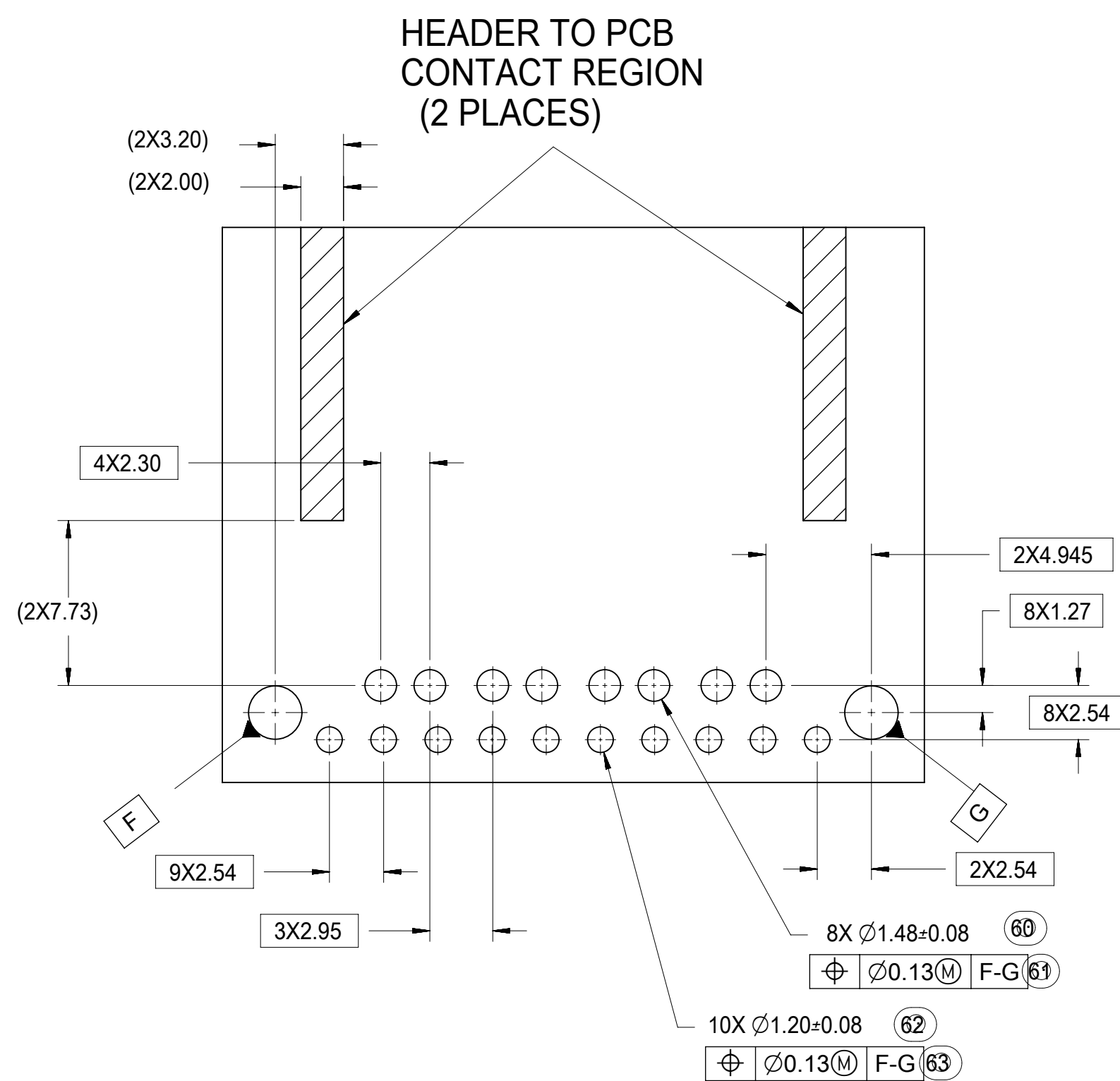
### 10 CKT HYBRID TEMPLATE PCB LAYOUT



### 8-20CKT 0.64mm TEMPLATE PCB LAYOUT

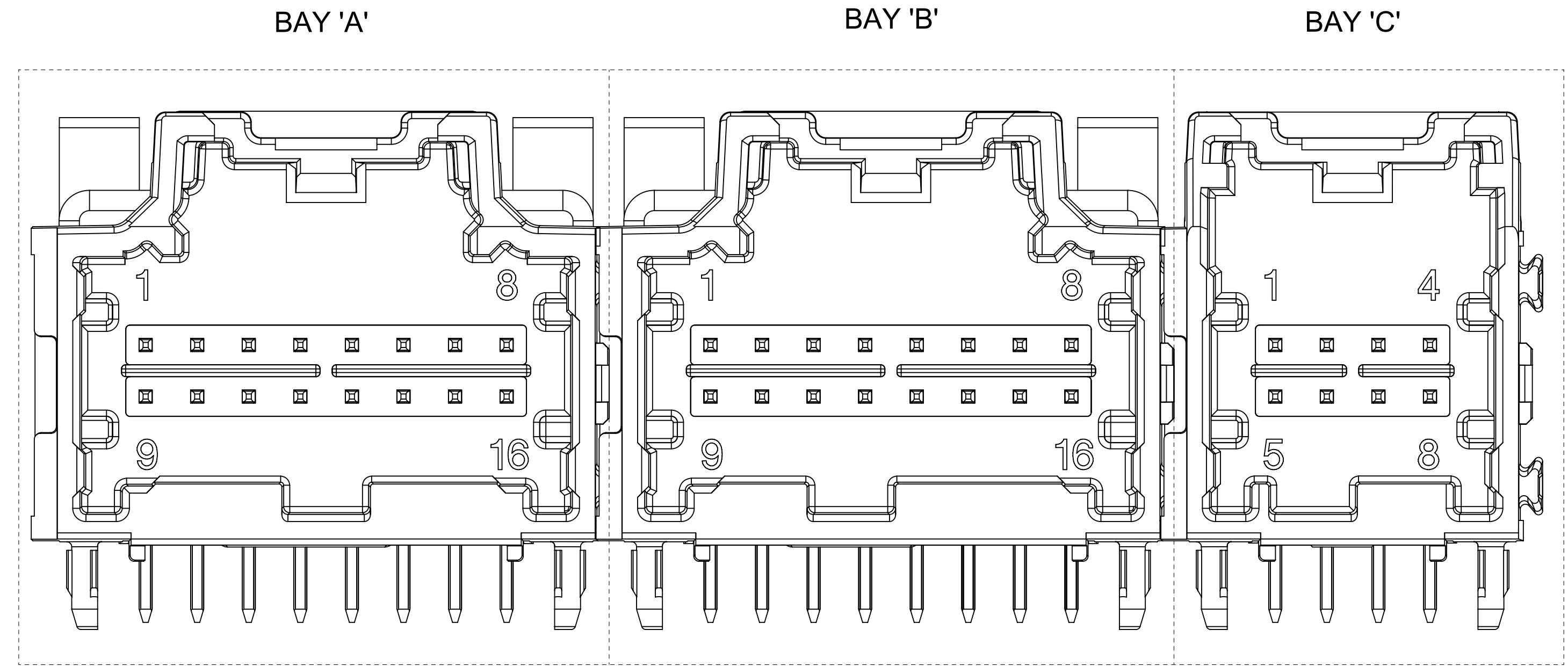


### 14 CKT HYBRID TEMPLATE PCB LAYOUT



SYMBOLS	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:
▽ = 0	mm	1:1	<b>molex</b> 4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-34708-400   DOC TYPE: PSD   DOC PART: 001   REVISION: P MATERIAL NUMBER: SEE TABLE   CUSTOMER: GENERAL MARKET   SHEET NUMBER: 5 OF 5
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL ± 1.0°		
▽ = 0	4 PLACES ±		
▽ = 0	3 PLACES ±		
▽ = 0	2 PLACES ± 0.13		
▽ = 0	1 PLACE ± 0.25		
▽ = 0	0 PLACES ±		
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		EC NO: 612618 DRWN: SHANDITHAVAL 2019/01/23 CHK'D: RBAUMAN 2019/02/23 APPR: RBAUMAN 2019/02/23 INITIAL REVISION: DRWN: VDANIELE 2008/11/14 APPR: SMARCEAU 2008/11/14
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
		D-SIZE	34708

# 3-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY (P/N: 34997-3000 SHOWN)



**DIMENSIONAL CHART FOR MULTIBAY CONFIGURATION:**

3 BAY PART NUMBER (TUBE PKG)	3 BAY PART NUMBER (TRAY PKG)	BAY A			BAY B			BAY C			DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'
		CKT	TYPE	POL	CKT	TYPE	POL	CKT	TYPE	POL					
TBD	34997-3000	16	0.64mm	B	16	0.64mm	A	8	0.64mm	A	74.44	71.97	22.86	22.86	12.70
TBD	34997-3001	12	0.64mm	A	12	0.64mm	B	16	0.64mm	A	74.44	71.97	17.78	17.78	22.86
TBD	34997-3002	16	0.64mm	A	12	0.64mm	A	20	0.64mm	A	84.60	82.13	22.86	17.78	27.94
TBD	34997-3003	16	0.64mm	A	20	0.64mm	A	12	0.64mm	A	84.60	82.13	22.86	27.94	17.78
TBD	34997-3004	20	0.64mm	A	20	0.64mm	B	8	0.64mm	A	84.60	82.13	27.94	27.94	12.70
TBD	34997-3005	10	HYBRID	A	16	0.64mm	A	8	0.64mm	A	79.52	77.05	27.94	22.86	12.70
TBD	34997-3006	12	0.64mm	A	8	0.64mm	B	16	0.64mm	C	69.36	66.89	17.78	12.70	22.86
TBD	34997-3007	20	0.64mm	A	20	0.64mm	B	20	0.64mm	C	99.84	97.37	27.94	27.94	27.94
TBD	34997-3008	20	0.64mm	D	16	0.64mm	C	12	0.64mm	C	84.60	82.13	27.94	22.86	17.78
34997-8009	34997-3009	20	0.64mm	C	20	0.64mm	B	20	0.64mm	A	99.84	97.37	27.94	27.94	27.94
34997-8010	34997-3010	12	0.64mm	C	16	0.64mm	C	20	0.64mm	D	84.60	82.13	17.78	22.86	27.94
TBD	34997-3011	8	0.64mm	A	8	0.64mm	B	8	0.64mm	C	54.12	51.65	12.70	12.70	12.70
TBD	34997-3012	14	HYBRID	C	20	0.64mm	B	8	0.64mm	A	84.60	82.13	27.94	27.94	12.70
TBD	34997-3013	10	HYBRID	A	10	HYBRID	B	14	HYBRID	A	99.84	97.37	27.94	27.94	27.94

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

a. CONNECTOR HEADER MUST BE VALIDATED TO THE FOLLOWING FUNCTIONAL REQUIREMENT:

- PRODUCT SPECIFICATION:  
8-20 CKT 0.64 PRODUCT SPEC: PS-34729-020/PS-31408-100  
10/14CKT HYBRID PRODUCT SPEC: PS-34696-100
- 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)

2. DESIGN MATERIALS:

a. SHROUD (PLASTIC HOUSING):

- RESIN - SPS 30%GF
- HOUSING COLOR:  
BLACK - POLARIZATION 'A'  
GREY - POLARIZATION 'B'  
BROWN - POLARIZATION 'C'  
GREEN - POLARIZATION 'D'

b. 0.64mm PINS:

- BASE MATERIAL: C26000
- PLATING TYPE: AS NOTED

c. 1.5/2.8mm BLADES:

- BASE MATERIAL: C19400
- PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:

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

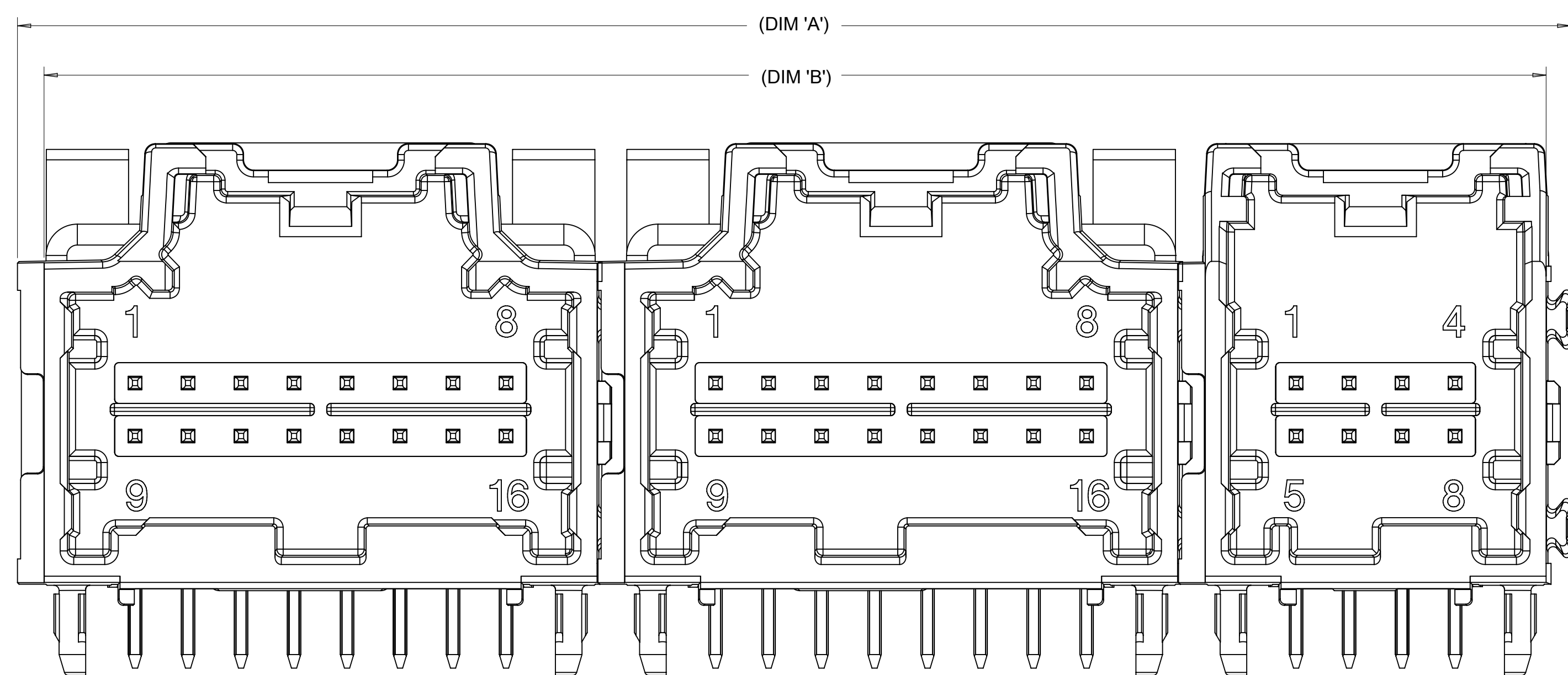
4. FOR DESCRIPTION OF INDIVIDUAL BAYS, REFER TO THE FOLLOWING

- SINGLE BAY DRAWINGS:  
8-20 CKT 0.64: SD-34691-601  
10CKT HYBRID: SD-34696-100  
14CKT HYBRID: SD-34773-010

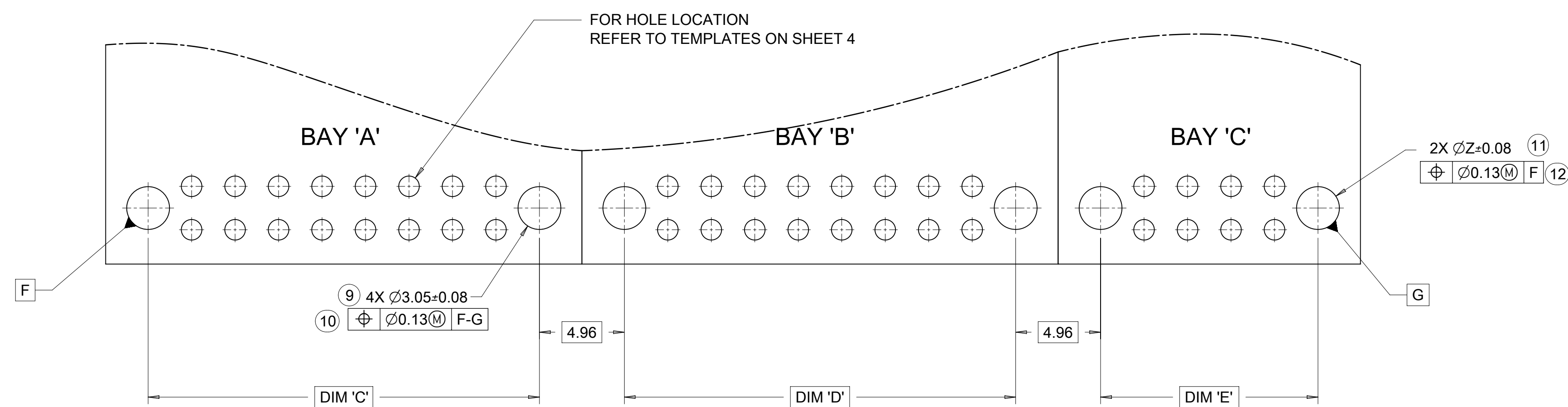
5. G DENOTES DIMENSIONS THAT MAY BE QUALIFIED WITH A GAUGE.

<p>QUALITY SYMBOLS</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p> <p>▽ = 0</p>	<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p> <p>2019/02/22 2019/02/23 2019/02/23</p> <p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> <p>ANGULAR TOL ± 1.0 °</p> <p>4 PLACES ±</p> <p>3 PLACES ±</p> <p>2 PLACES ± 0.13</p> <p>1 PLACE ± 0.25</p> <p>0 PLACES ±</p> <p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>	<p>DIMENSION UNITS</p> <p>mm</p> <p>SCALE</p> <p>5:1</p> <p>DRWN BY</p> <p>JFISCHER01</p> <p>DATE</p> <p>2013/05/31</p> <p>CHKD BY</p> <p>DATE</p> <p>APPR BY</p> <p>RBAUMAN</p> <p>DATE</p> <p>2013/06/04</p> <p>DRAWING SIZE</p> <p>D</p> <p>THIRD ANGLE PROJECTION</p>	<p>STAC64 3-BAY PAP R/A LONG PIN HEADER ASSEMBLY SALES DRAWING</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>SERIES: 34997    MATERIAL NUMBER: SEE CHART    CUSTOMER: GENERAL MARKET</p> <p>DOCUMENT NUMBER: SD-34997-300    DOC TYPE: PSD    DOC PART SHEET NUMBER: 001 1 OF 4</p>
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**RECOMMENDED PCB LAYOUT**  
 INSERT NECESSARY BAYS USING CHART ON SHEET 1

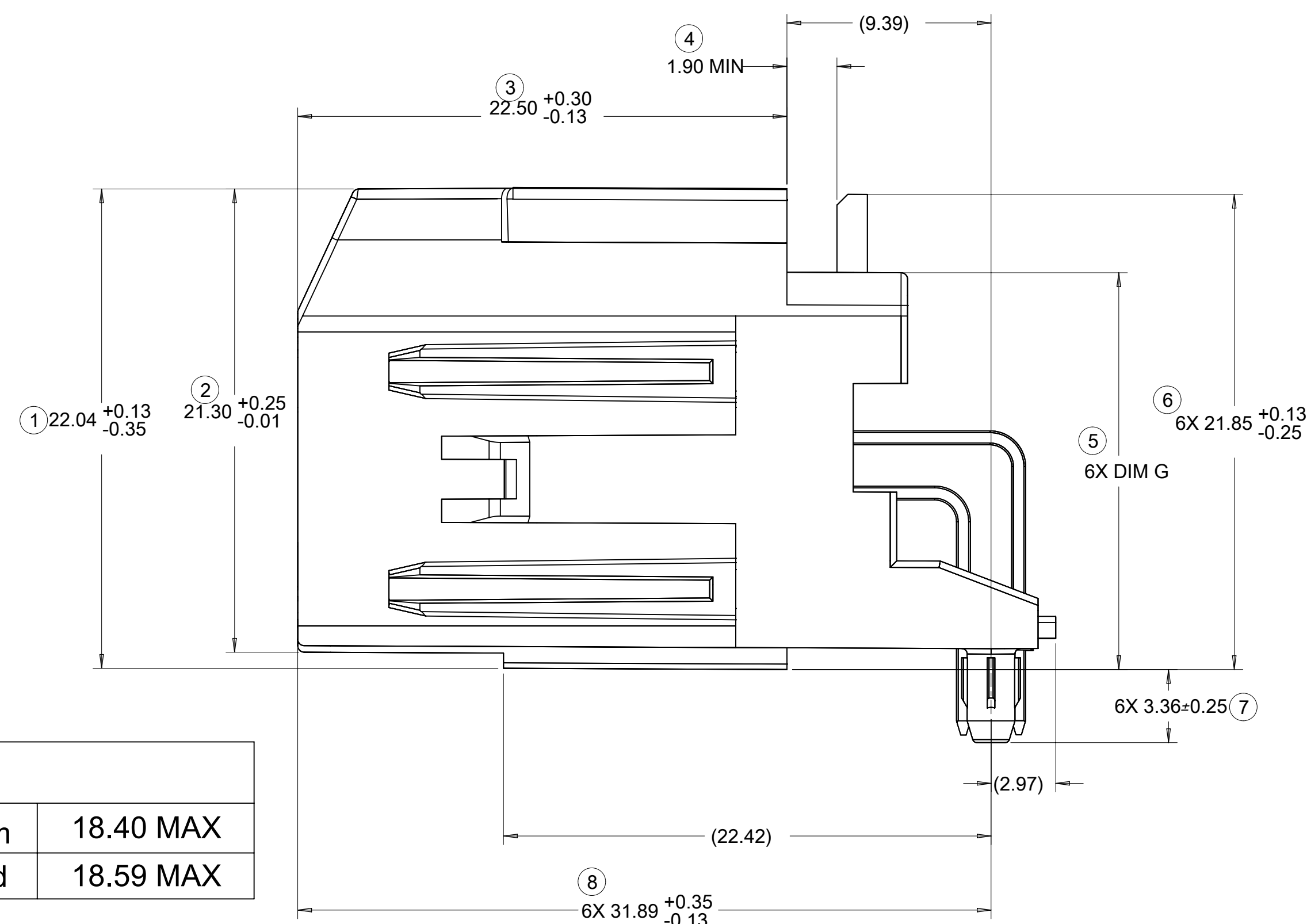


FOR DIM G:

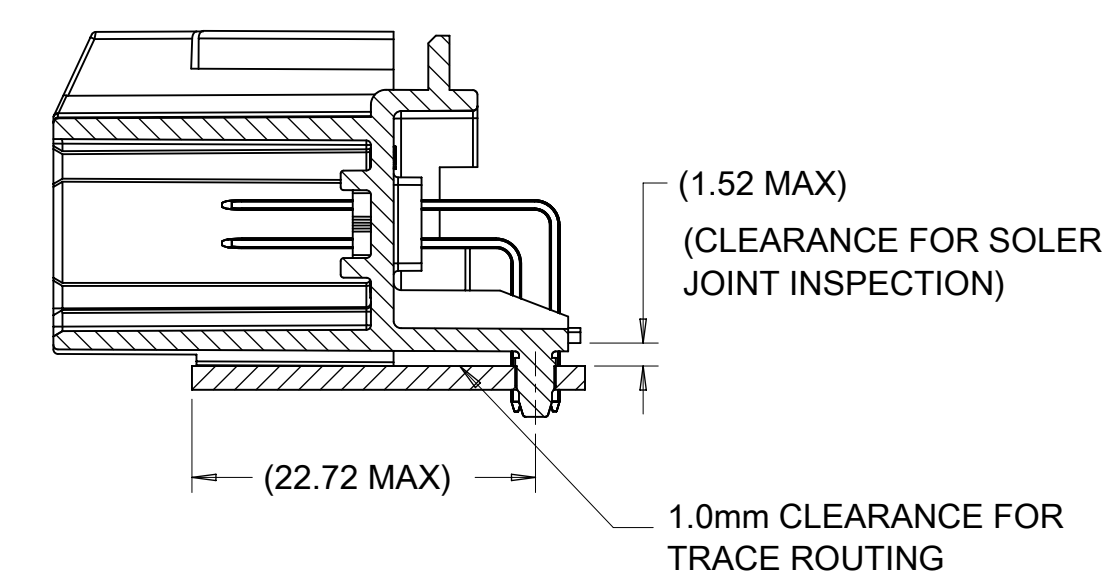
8-20CKT 0.64mm	18.40 MAX
10/14CKT Hybrid	18.59 MAX

POST HOLE TABLE:

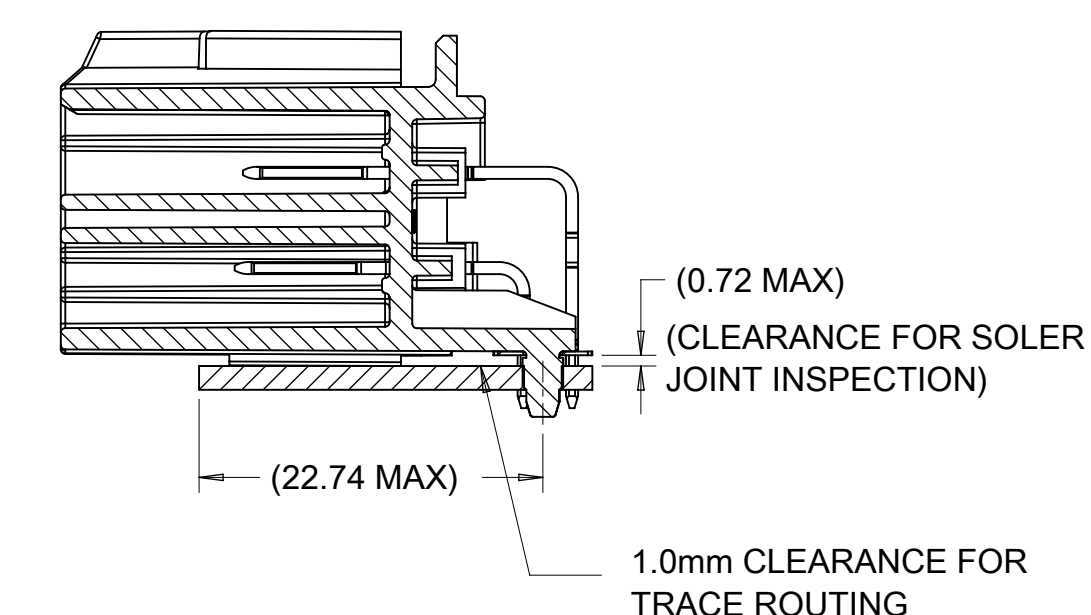
FOR DIM Z:	
PRESS FIT:	2.60
DROP IN:	3.05



8-20CKT 0.64mm



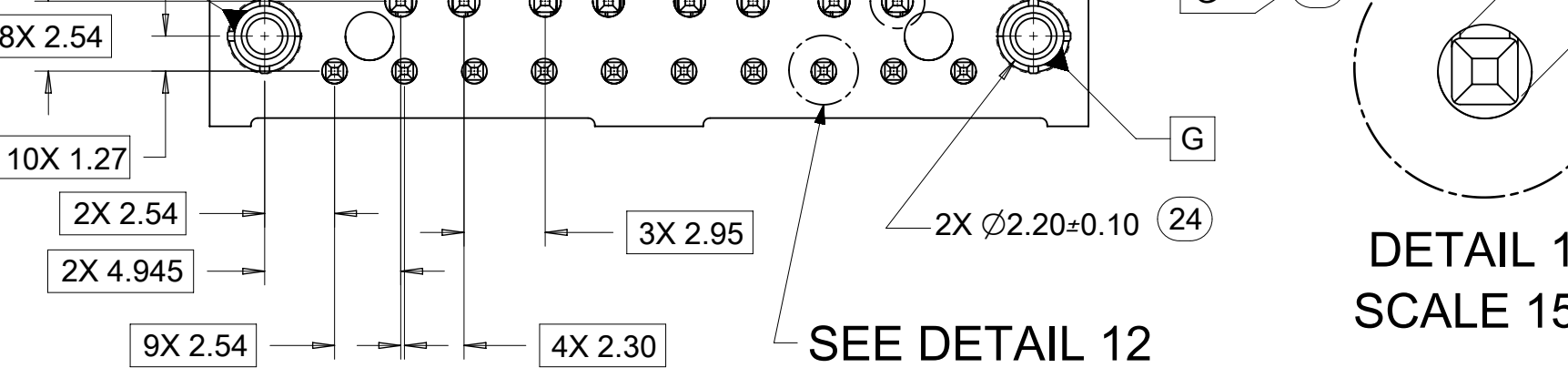
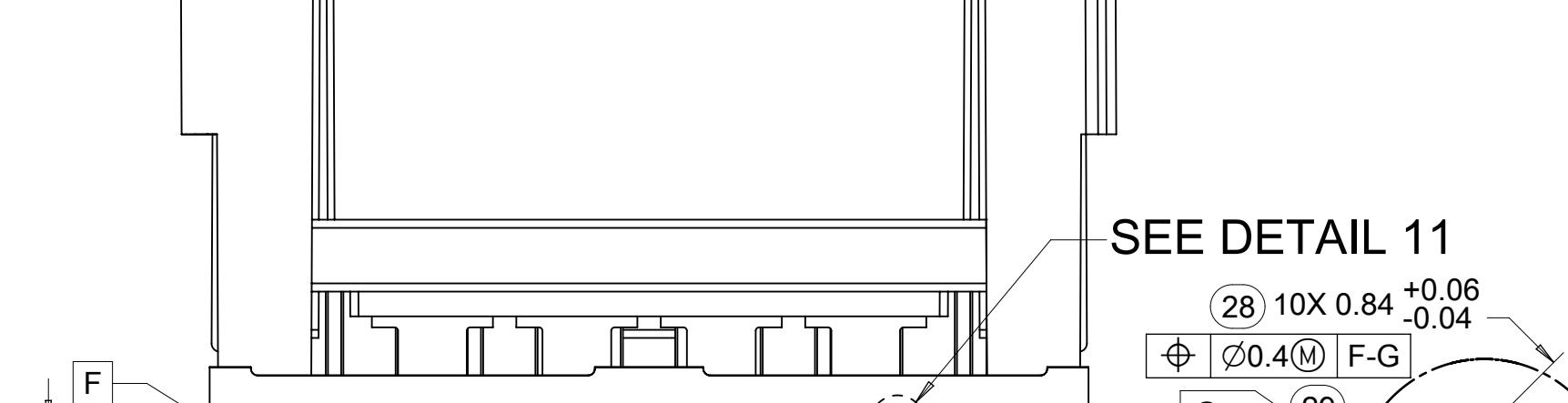
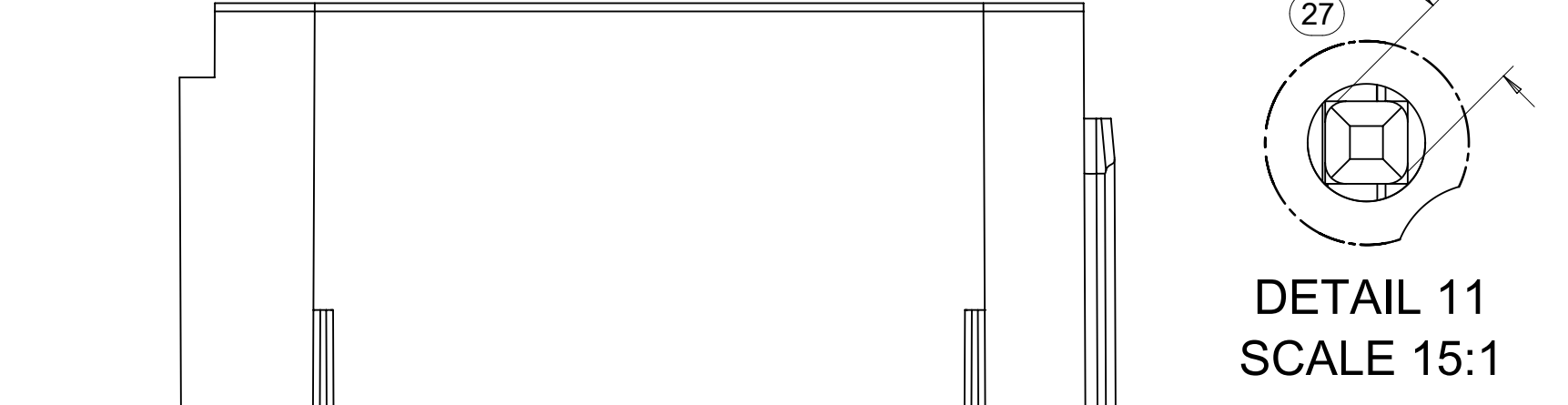
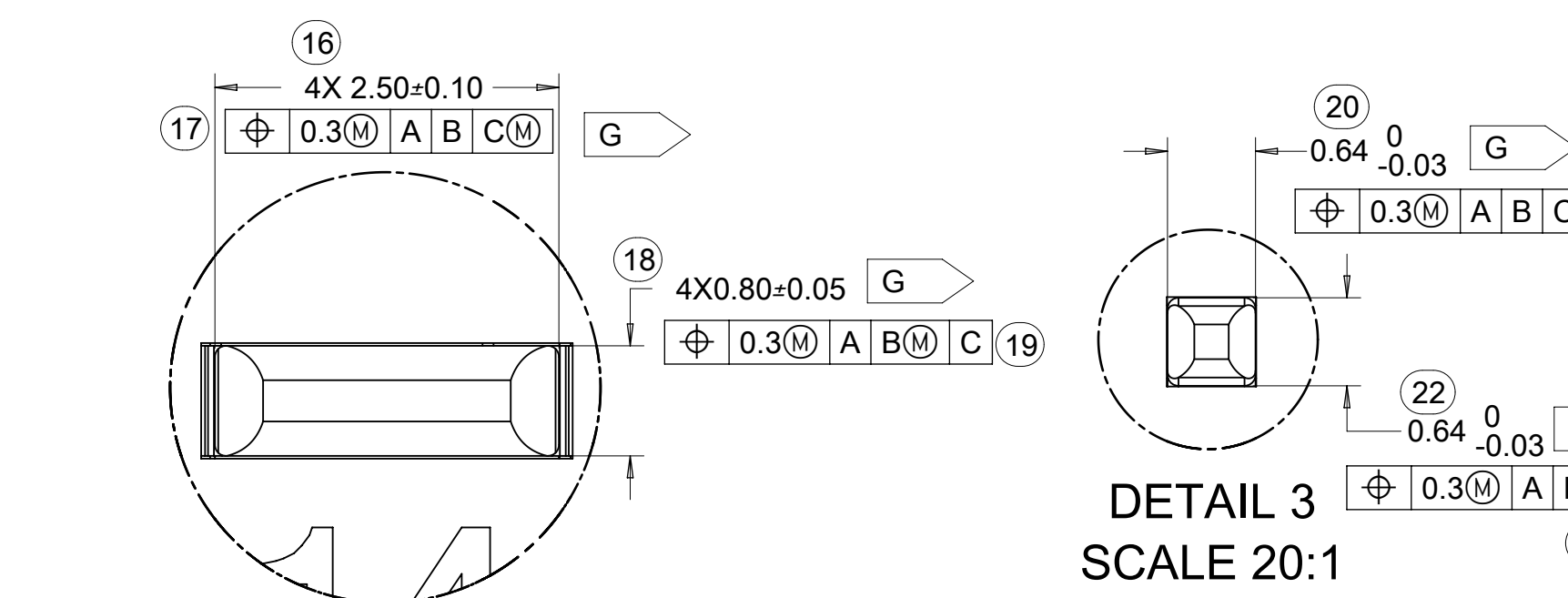
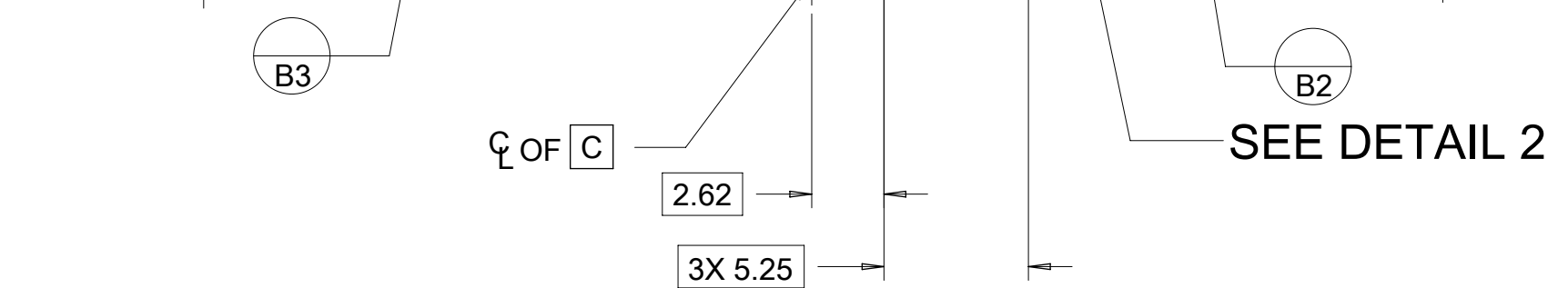
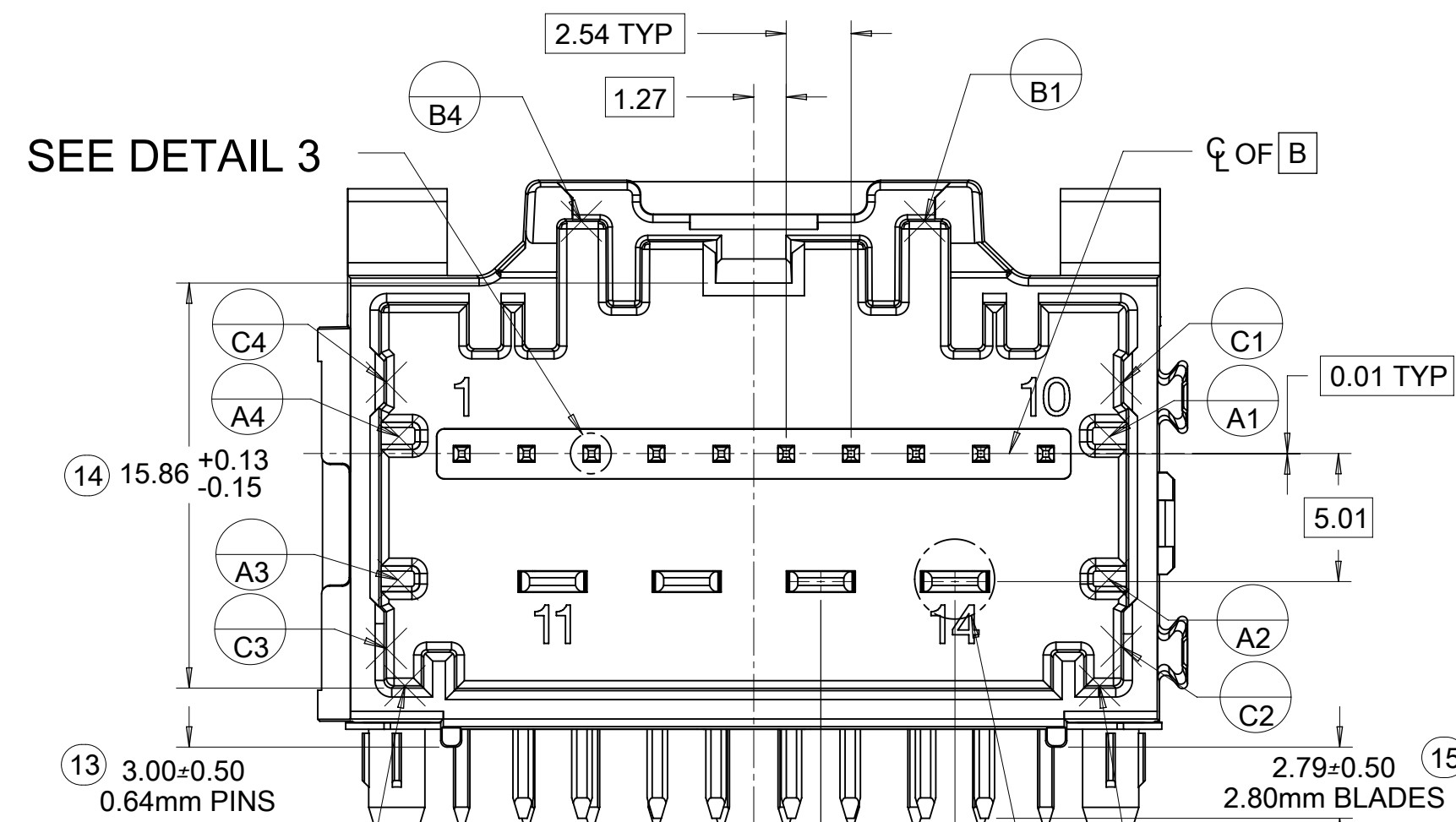
10/14CKT HYBRID



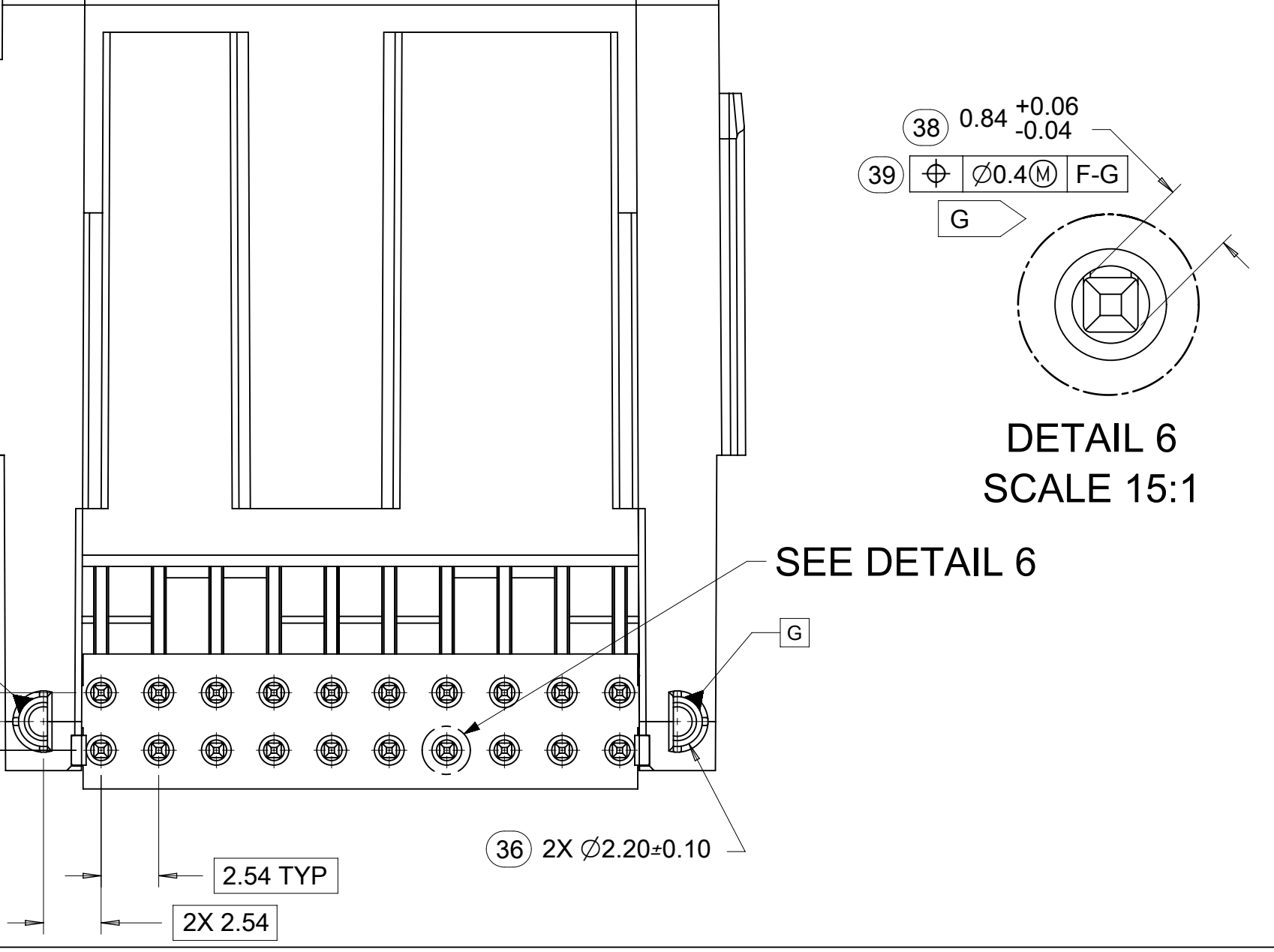
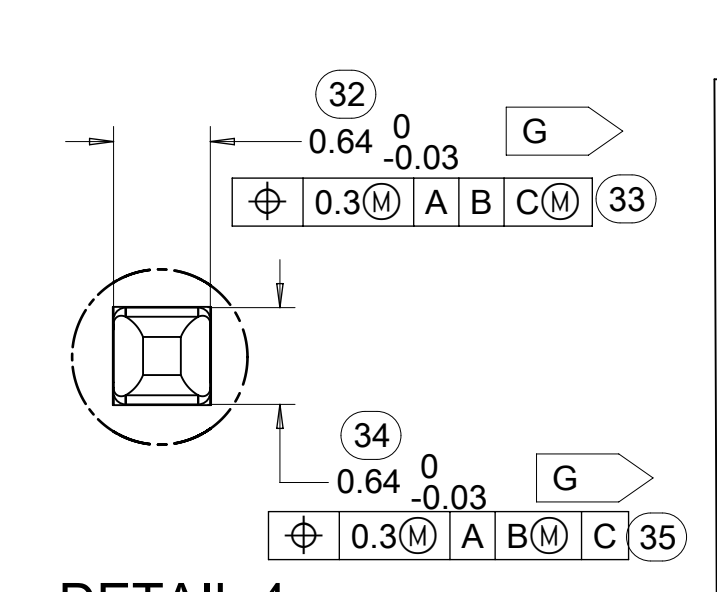
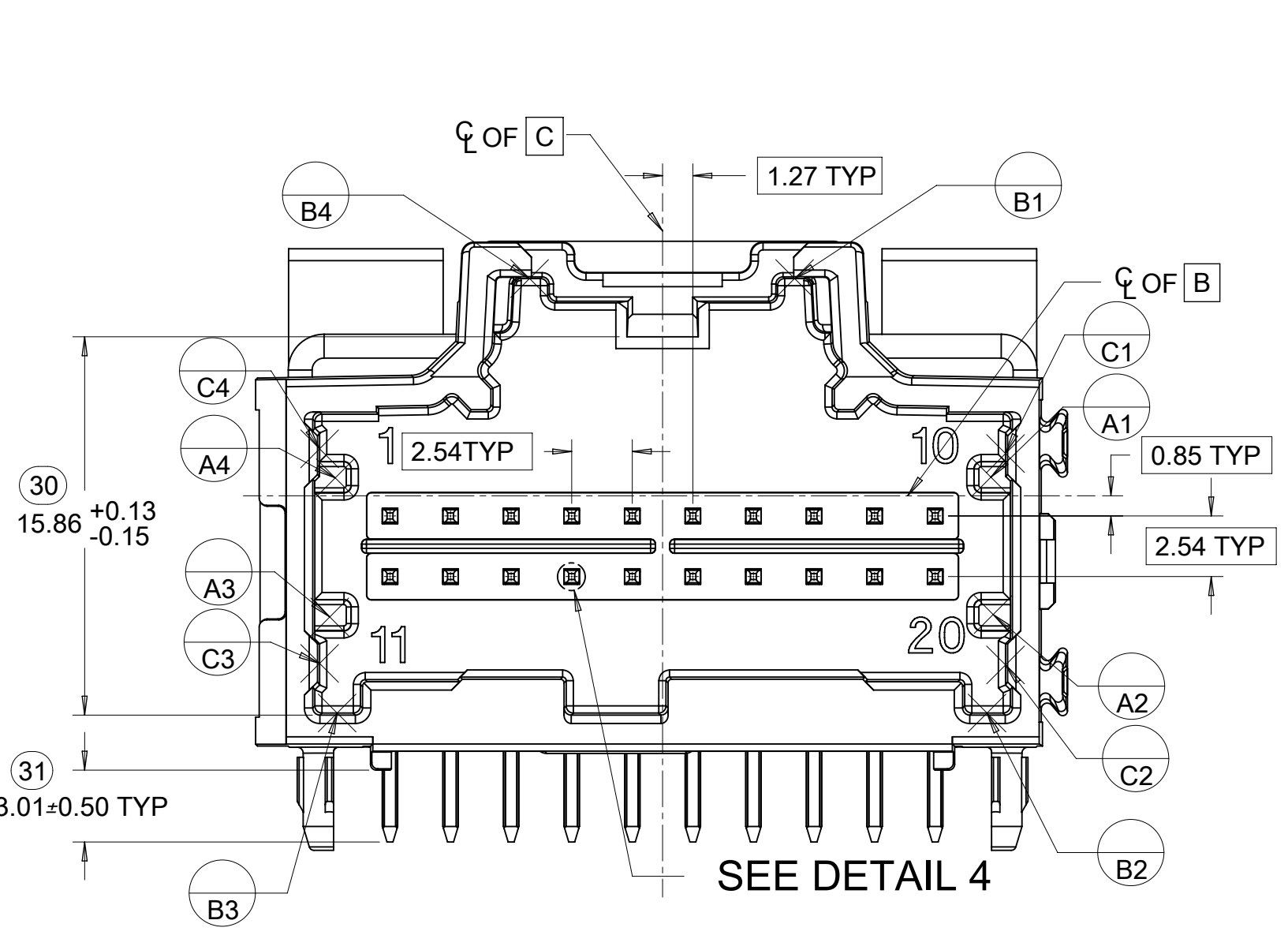
FLUSH MOUNTING  
 HEADER-TO-PCB  
 SCALE 2:1

QUALITY SYMBOLS F = 0 F = 0 F = 0 = 0 C = 0 X = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				DIMENSION UNITS: mm SCALE: 5:1			
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 °		DRWN BY: JFISCHER01 DATE: 2013/05/31		STAC64 3-BAY PAP R/A LONG PIN HEADER ASSEMBLY SALES DRAWING			
	4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ±		CHKD BY: RBAUMAN DATE: 2013/06/04				PRODUCT CUSTOMER DRAWING	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR BY: RBAUMAN DATE: 2013/06/04		SERIES: 34997 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET			
EC NO: 612618 DRWN: SHANDITHAVAL CHKD: RBAUMAN REV: APPR: RBAUMAN		DRAWING SIZE: D THIRD ANGLE PROJECTION		DOCUMENT NUMBER: SD-34997-300 DOC TYPE: PSD DOC PART: 001 SHEET NUMBER: 2 OF 4				

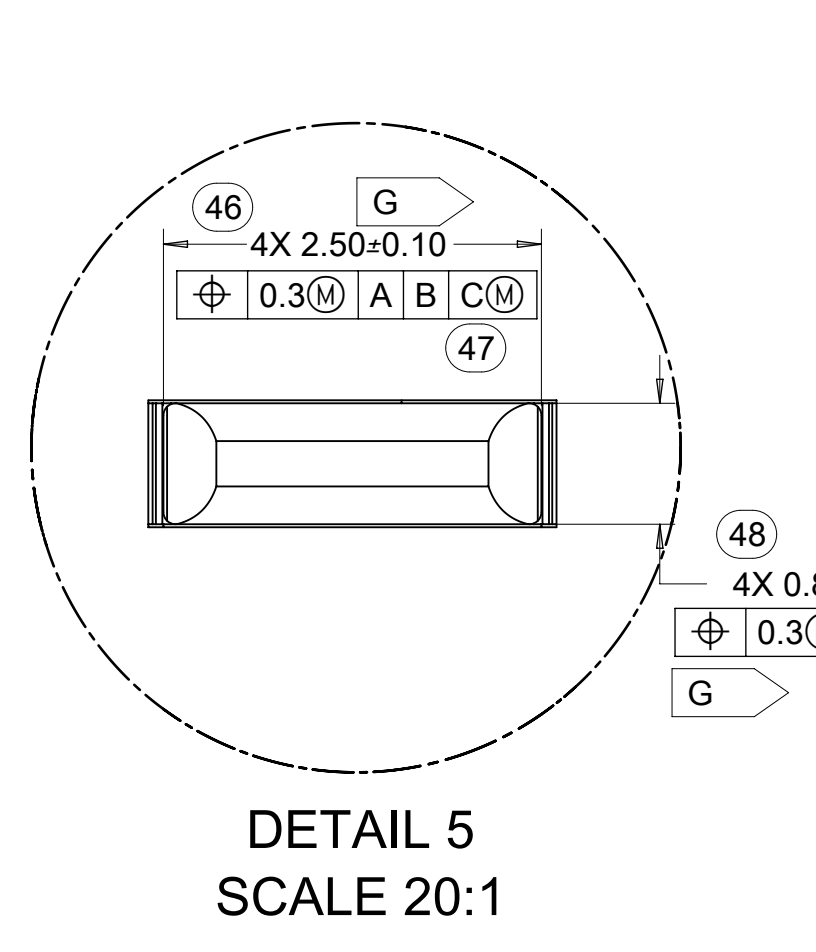
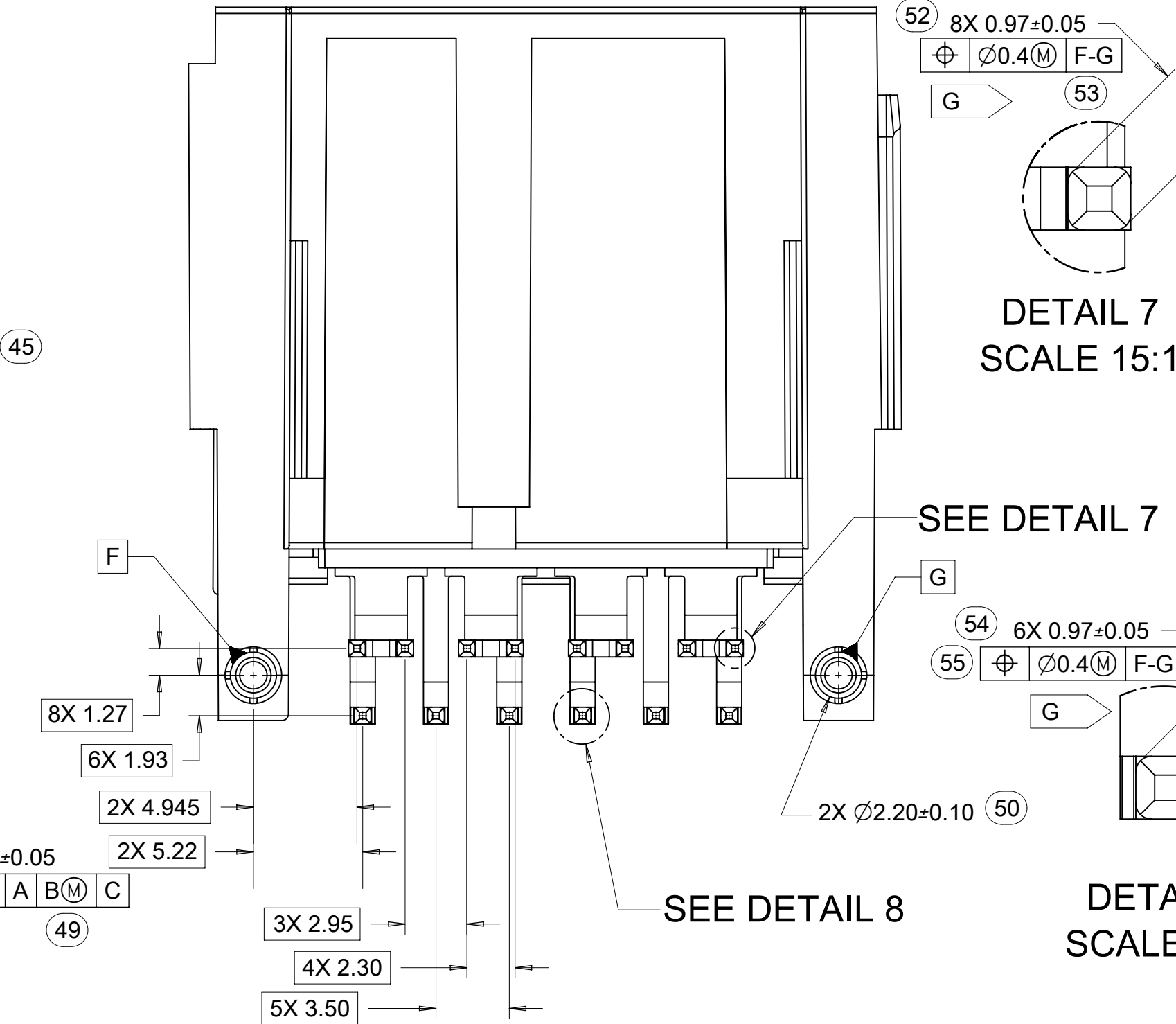
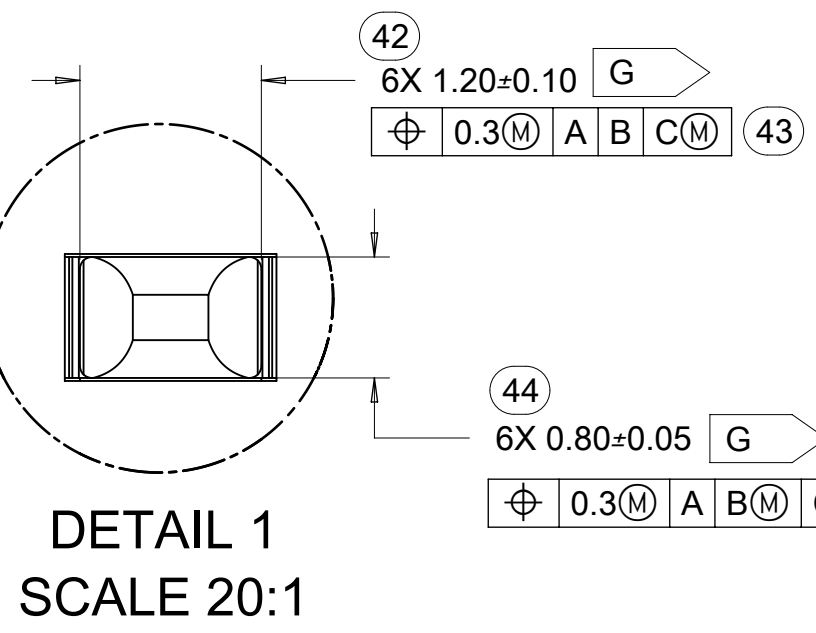
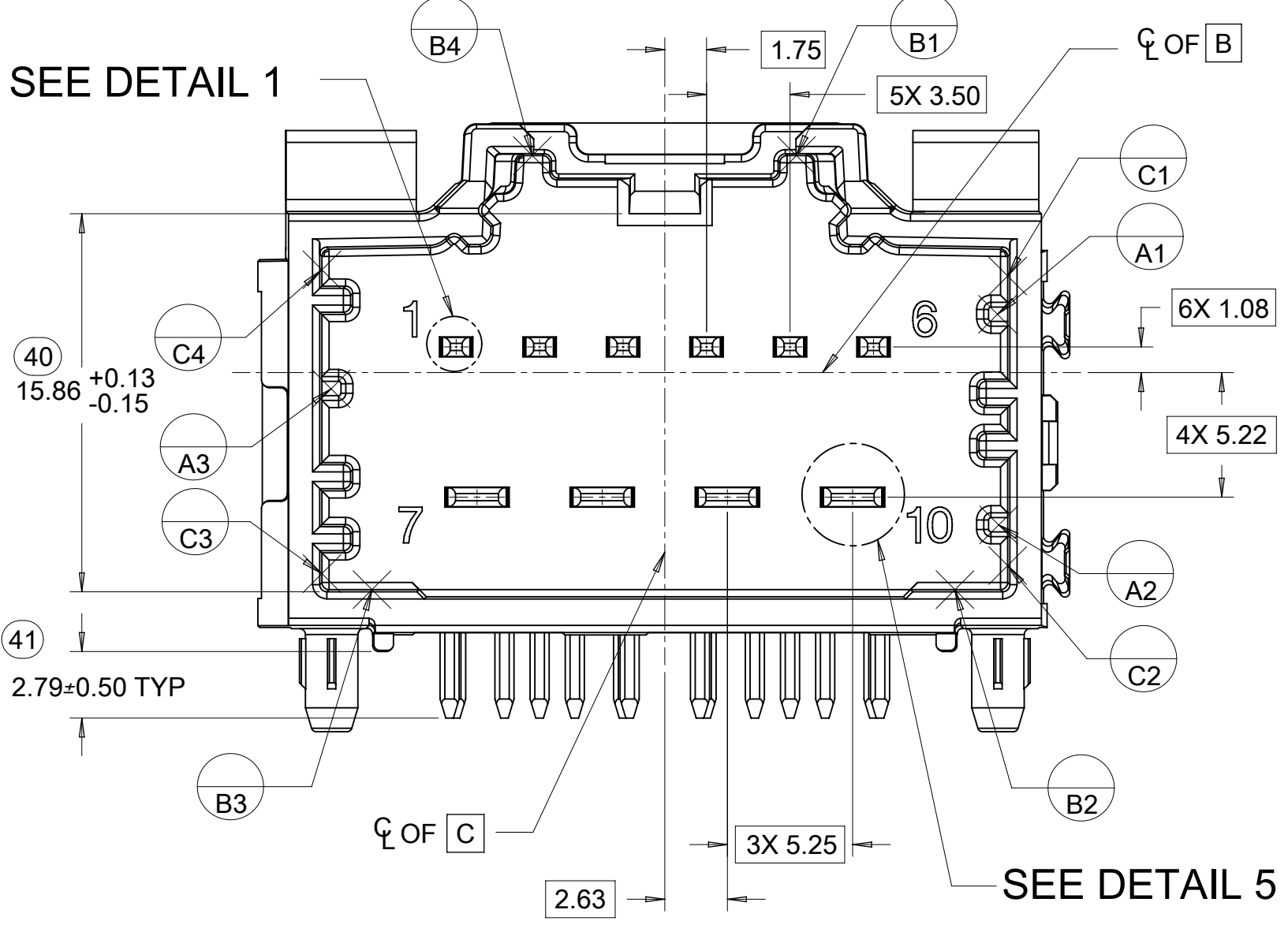
# 14 CKT STAC HYBRID HEADER DETAILS



# 8-20CKT STAC64 HEADER DETAILS

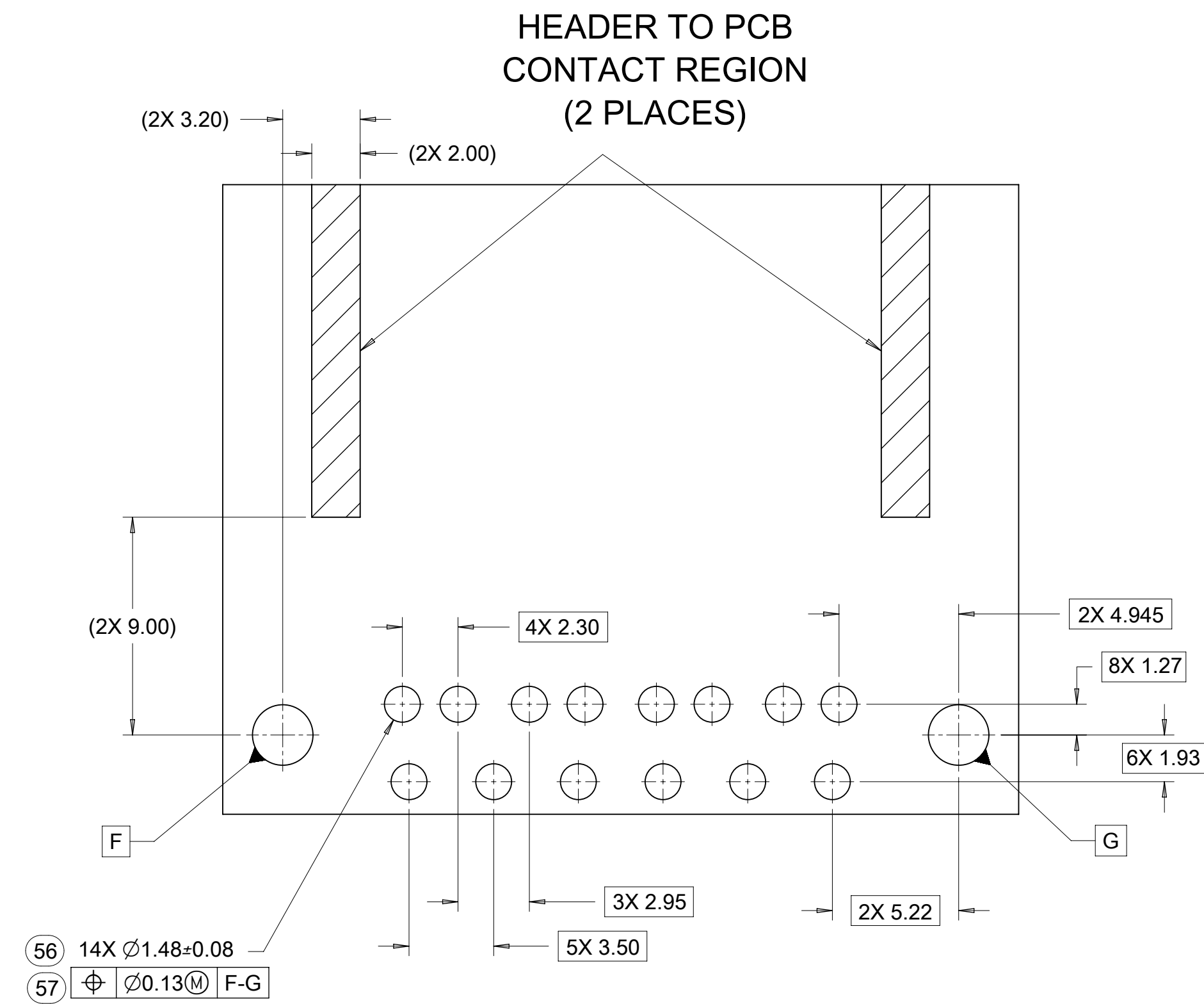


# 10CKT STAC HYBRID HEADER DETAILS

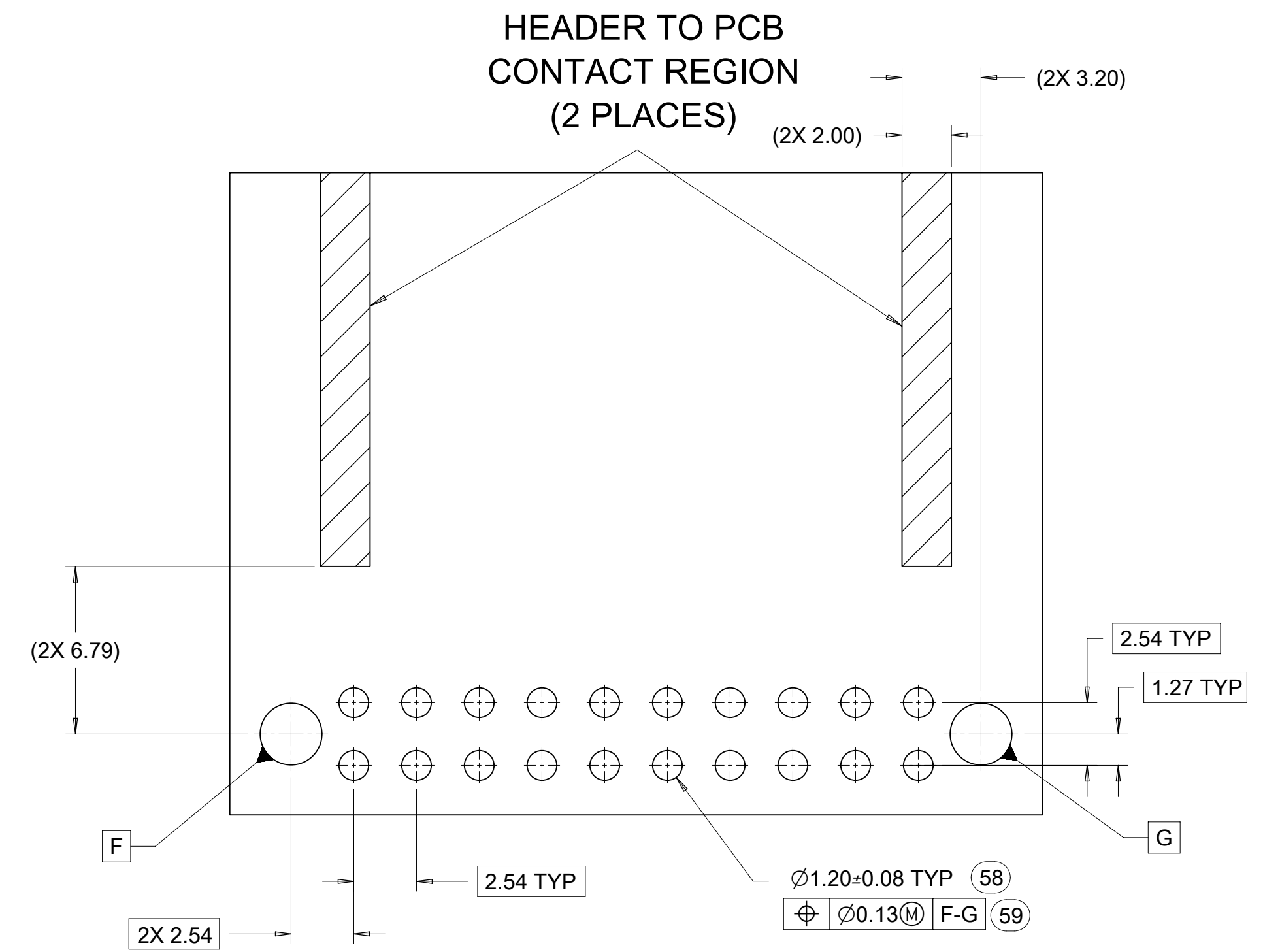


QUALITY SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	EC NO: 612618 DRWN: SHANDITHAVAI CHKD: RBAUMAN REV APPR: RBAUMAN	2019/02/22 2019/02/23 2019/02/23	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS: mm SCALE: 4:1 DRWN BY: JFISCHER01 DATE: 2013/05/31 CHKD BY: [blank] DATE: [blank] APPR BY: RBAUMAN DATE: 2013/06/04 DRAWING SIZE: D THIRD ANGLE PROJECTION
	PRODUCT CUSTOMER DRAWING		SERIES: 34997 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET	
	DOCUMENT NUMBER: SD-34997-300 DOC TYPE: PSD DOC PART: 001 SHEET NUMBER: 3 OF 4			

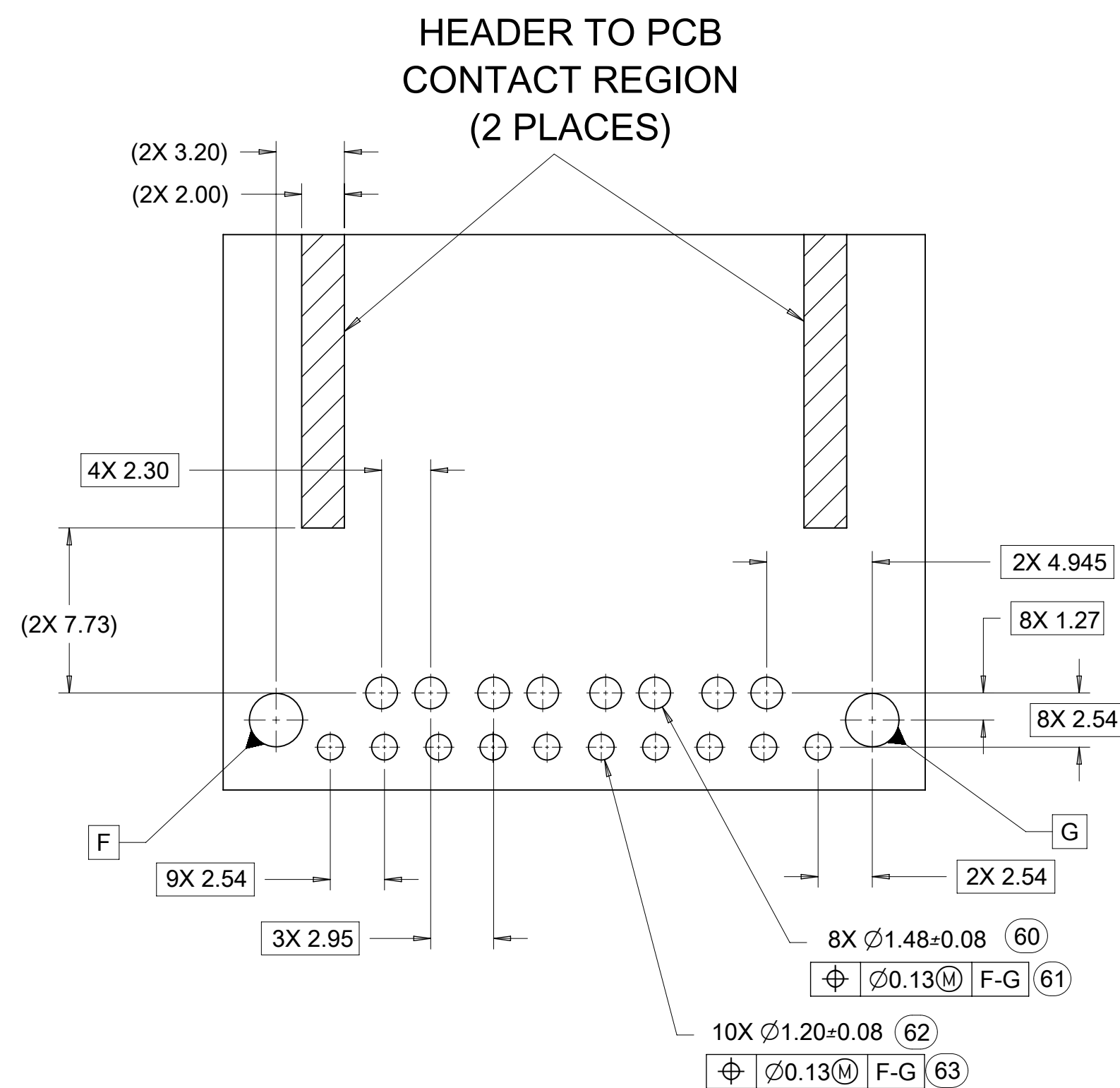
### 10 CKT HYBRID TEMPLATE PCB LAYOUT



### 8-20CKT 0.64mm TEMPLATE PCB LAYOUT

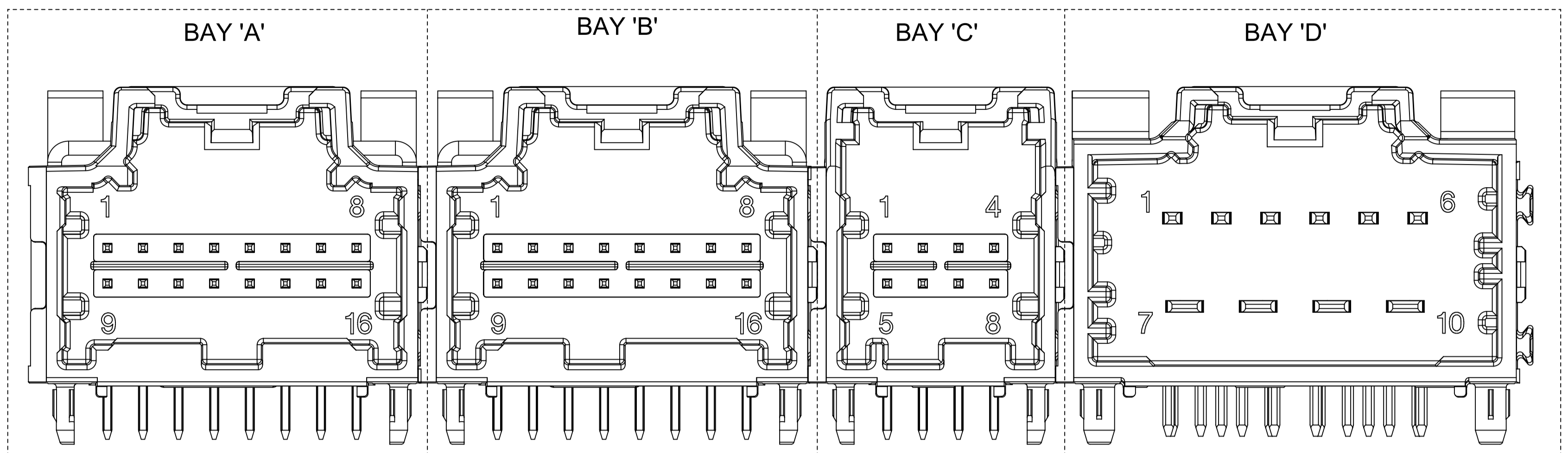


### 14 CKT HYBRID TEMPLATE PCB LAYOUT



<b>QUALITY SYMBOLS</b> ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				DIMENSION UNITS <b>mm</b>	SCALE <b>5:1</b>				
	EC NO: 612618 DRWN: SHANDITHAVAL CHKD: RBAUMAN REV APPR: RBAUMAN	2019/02/22 2019/02/23 2019/02/23	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRWN BY <b>JFISCHER01</b>						DATE <b>2013/05/31</b>
RELEASE STATUS <b>P1</b>	RELEASE DATE <b>2019/02/23</b>	23:33:06	DOCUMENT NUMBER <b>SD-34997-300</b>		DOC TYPE <b>PSD</b>	DOC PART <b>001</b>	SHEET NUMBER <b>4 OF 4</b>			

4 BAY STAC64 RIGHT ANGLE PAP HEADER ASSEMBLY  
(P/N: 34997-4000 SHOWN)



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. CONNECTOR HEADER MUST BE VALIDATED TO THE FOLLOWING FUNCTIONAL REQUIREMENTS:  
PRODUCTS SPECIFICATION:  
8-20 CKT 0.64 PRODUCT SPEC: PS-34729-020/PS-31408-100  
10/14CKT 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)

2. DESIGN: MATERIALS


- a. SHROUD (PLASTIC HOUSING)  
RESIN - SPS 30%GF
- b. 0.64mm PINS:  
BASE MATERIAL: C26000  
PLATING TYPE: AS NOTED
- 1.50mm/2.80mm BLADES:  
BASE MATERIAL: C19400  
PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:

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

- 4. FOR DESCRIPTION OF INDIVIDUAL BAYS, REFER TO THE FOLLOWING SINGLE BAY DRAWINGS:  
8-20 CKT 0.64: SD-34691-601  
10CKT HYBRID: SD-34696-100  
14CKT HYBRID: SD-34773-010

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

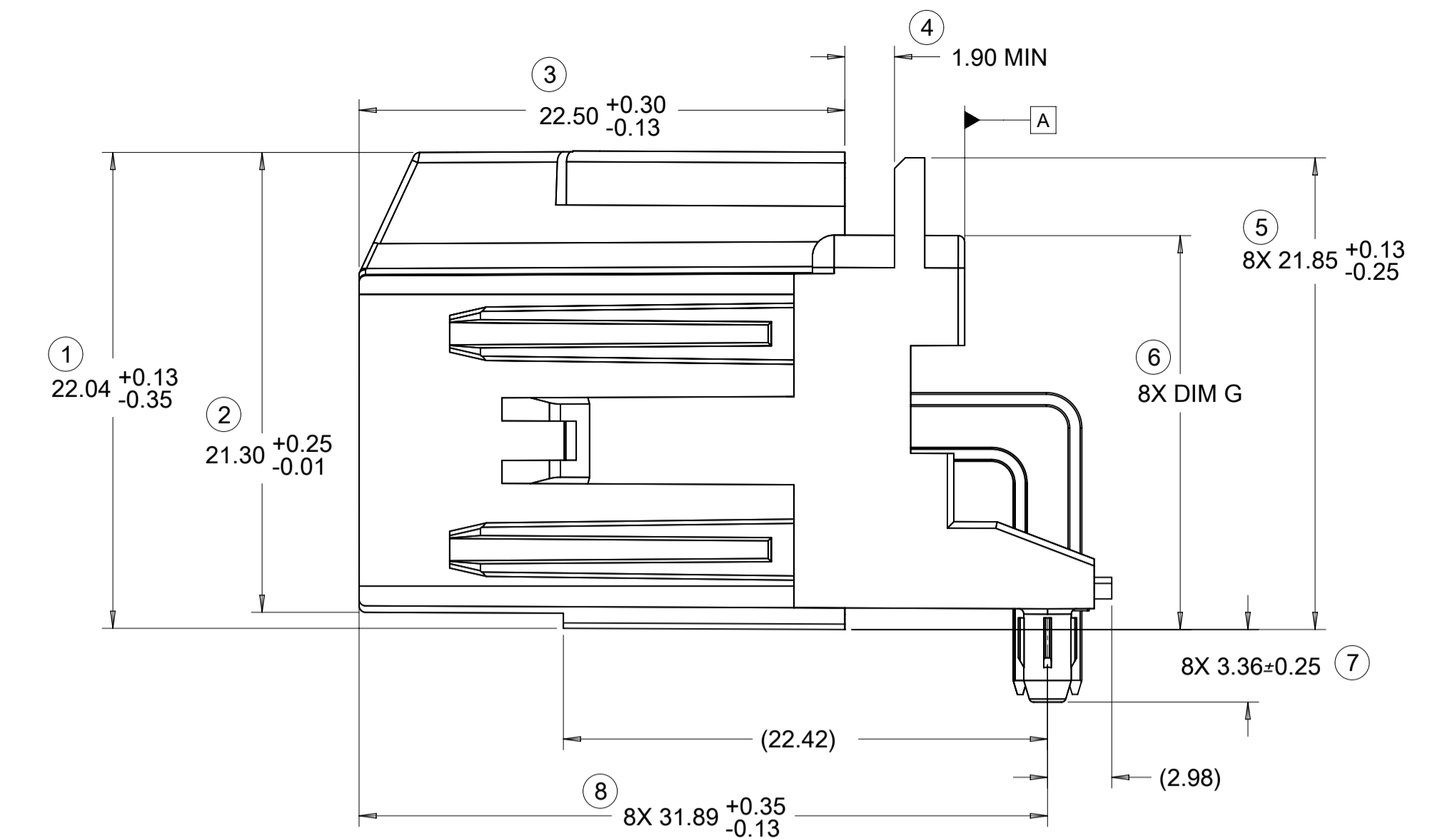
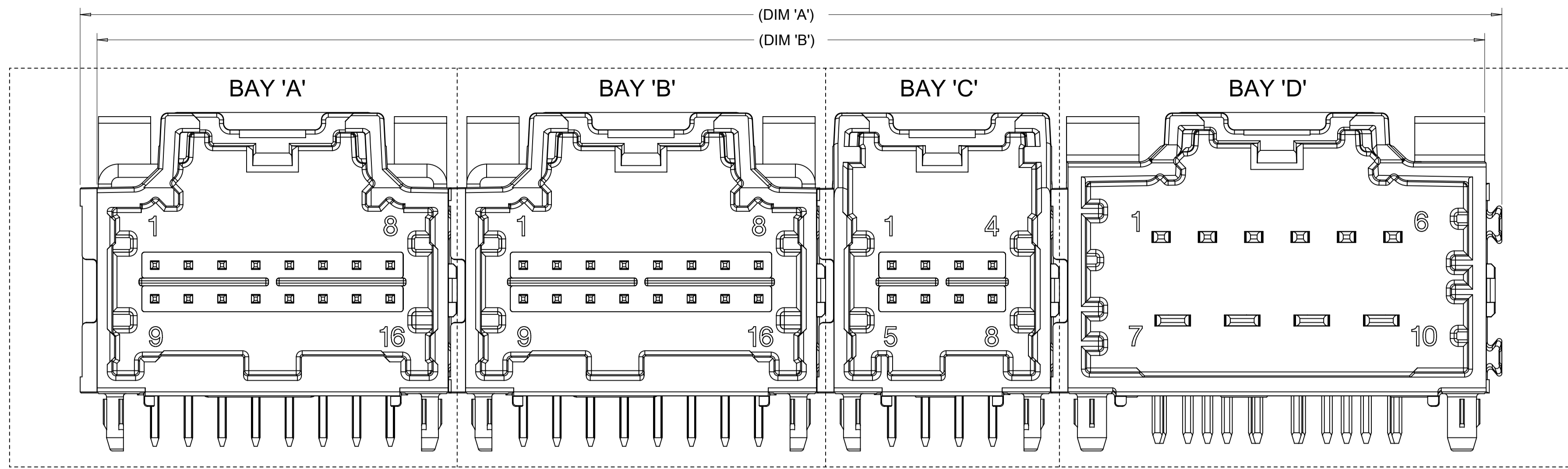
QUALITY SYMBOLS FA = 0 FE = 0 FE = 0 ▼ = 0 C = 0 ☒ = 0 ■ = 0 ∇ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	EC NO: 612618 DRWN: SHANDITHAVAL CHKD: RBAUMAN APPR: RBAUMAN	2019/02/22	2019/02/23	2019/02/23	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	 STAC64 4-BAY PAP R/A LONG PIN HEADER ASSEMBLY SALES DRAWING			
		DRWN BY	DATE	CHK'D BY	DATE	mm	4:1				
	C8	4 PLACES	±	ANGULAR TOL ± 1.0 °	JFISCHER01	2013/05/31	PRODUCT CUSTOMER DRAWING SERIES: 34997 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET DOCUMENT NUMBER: SD-34997-400 DOC TYPE: PSD DOC PART: 001 SHEET NUMBER: 1 OF 5				
3 PLACES		±	2 PLACES	± 0.13	RBAUMAN	2013/06/04					
	1 PLACE	± 0.25	0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	A1					

DIMENSIONAL CHART FOR MULTIBAY CONFIGURATION:

4 BAY PART NUMBER (TUBE PKG)	4 BAY PART NUMBER (TRAY PKG)	BAY A			BAY B			BAY C			BAY D			DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
		CKT	TYPE	POL	CKT	TYPE	POL	CKT	TYPE	POL	CKT	TYPE	POL						
TBD	34997-4000	16	0.64mm	B	16	0.64mm	A	8	0.64mm	A	10	HYBRID	A	107.34	104.87	22.86	22.86	12.70	27.94
TBD	34997-4001	8	0.64mm	A	20	0.64mm	C	20	0.64mm	B	10	HYBRID	A	117.50	115.03	12.70	27.94	27.94	27.94
TBD	34997-4002	20	0.64mm	A	20	0.64mm	B	20	0.64mm	C	20	0.64mm	D	132.74	130.27	27.94	27.94	27.94	27.94
TBD	34997-4003	20	0.64mm	A	20	0.64mm	B	20	0.64mm	C	10	HYBRID	A	132.74	130.27	27.94	27.94	27.94	27.94
34997-9004	34997-4004	12	0.64mm	A	12	0.64mm	B	16	0.64mm	A	16	0.64mm	B	102.26	99.79	17.78	17.78	22.86	22.86

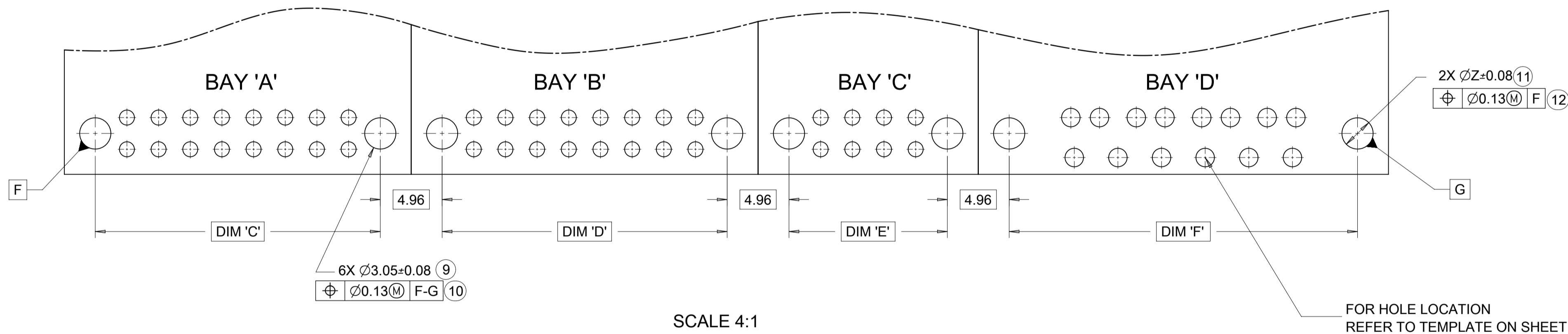
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	EC NO: 612618 DRWN: SHANDITHAVAL CHKD: RBAUMAN APPR: RBAUMAN REV: 0 C8	2019/02/22 2019/02/23 2019/02/23	GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION UNITS: mm SCALE: 1:1 DRWN BY: JFISCHER01 DATE: 2013/05/31 ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± APPR BY: RBAUMAN DATE: 2013/06/04 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DRAWING SIZE: A1 THIRD ANGLE PROJECTION	DIMENSION UNITS: mm SCALE: 1:1 DRWN BY: JFISCHER01 DATE: 2013/05/31 ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± APPR BY: RBAUMAN DATE: 2013/06/04 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DRAWING SIZE: A1 THIRD ANGLE PROJECTION	STAC64 4-BAY PAP R/A LONG PIN HEADER ASSEMBLY SALES DRAWING PRODUCT CUSTOMER DRAWING	SERIES: 34997 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET				
	RELEASE STATUS: P1 RELEASE DATE: 2019/02/23 23:33:07	DOCUMENT NUMBER: SD-34997-400 DOC TYPE: PSD DOC PART: 001 SHEET NUMBER: 2 OF 5								





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

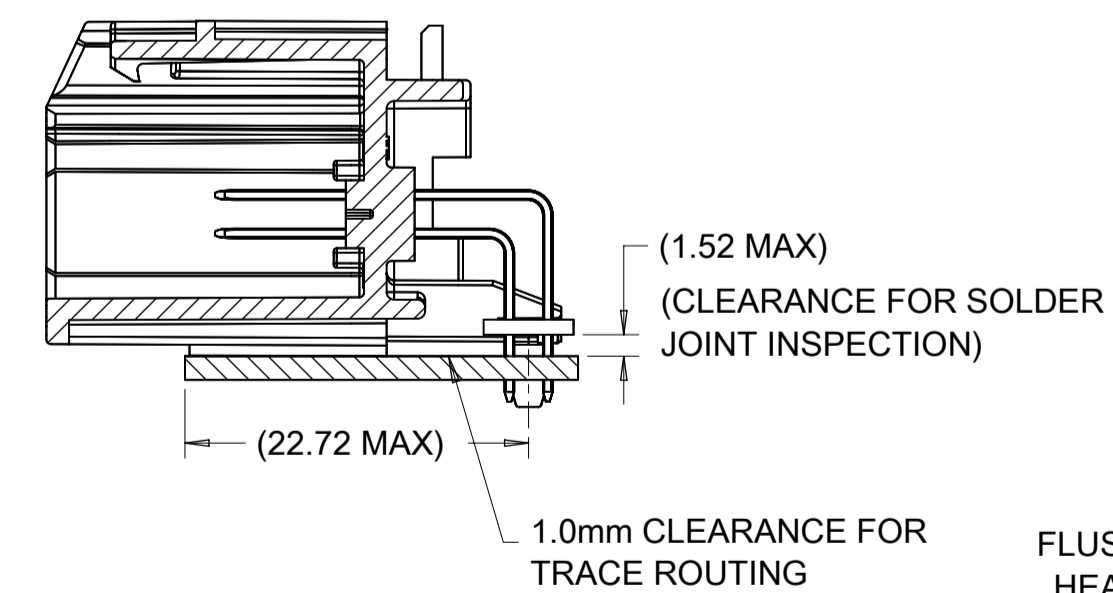
**RECOMMENDED PCB LAYOUT**  
INSERT NECESSARY BAYS USING CHART ON SHEET 2



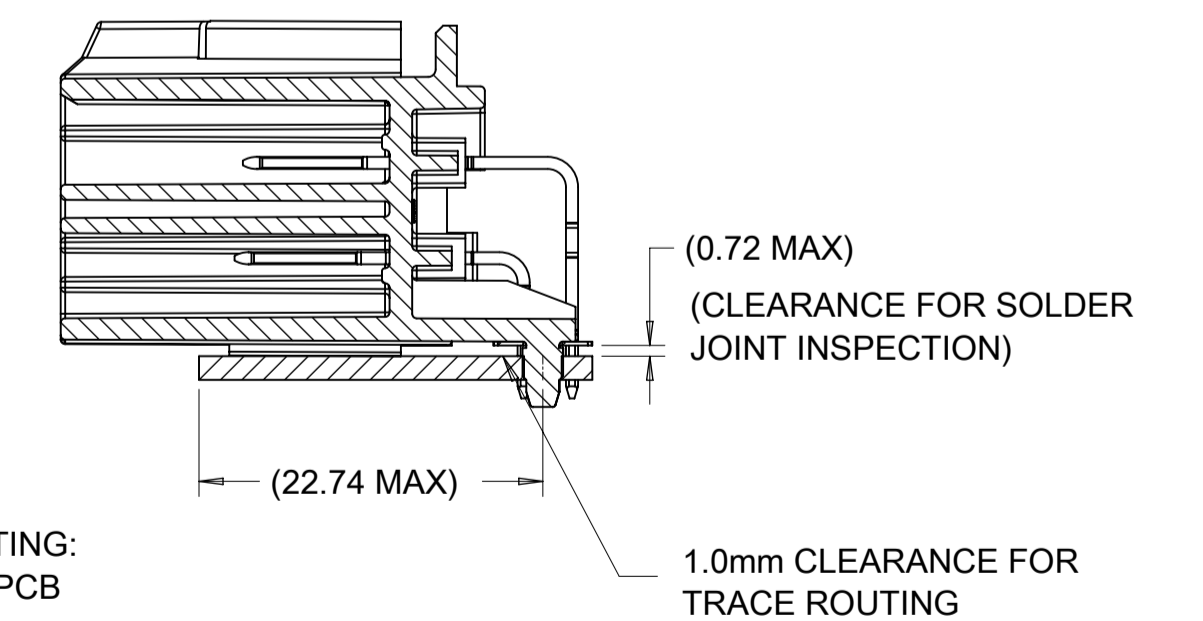
**POST HOLE TABLE:**

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

**8-20CKT 0.64mm**

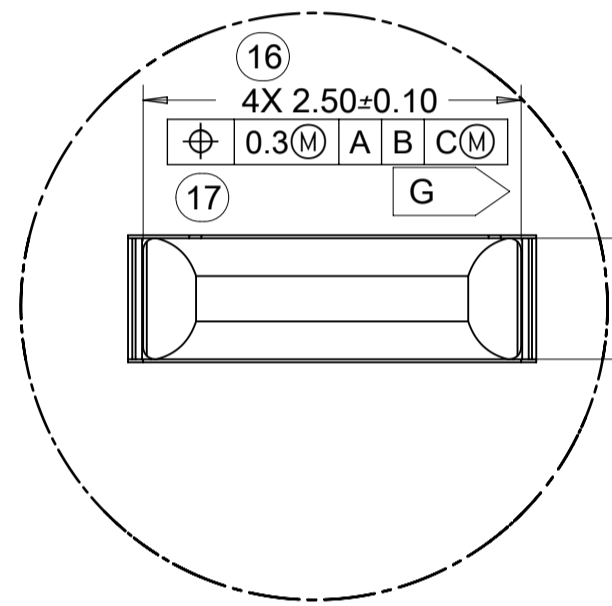
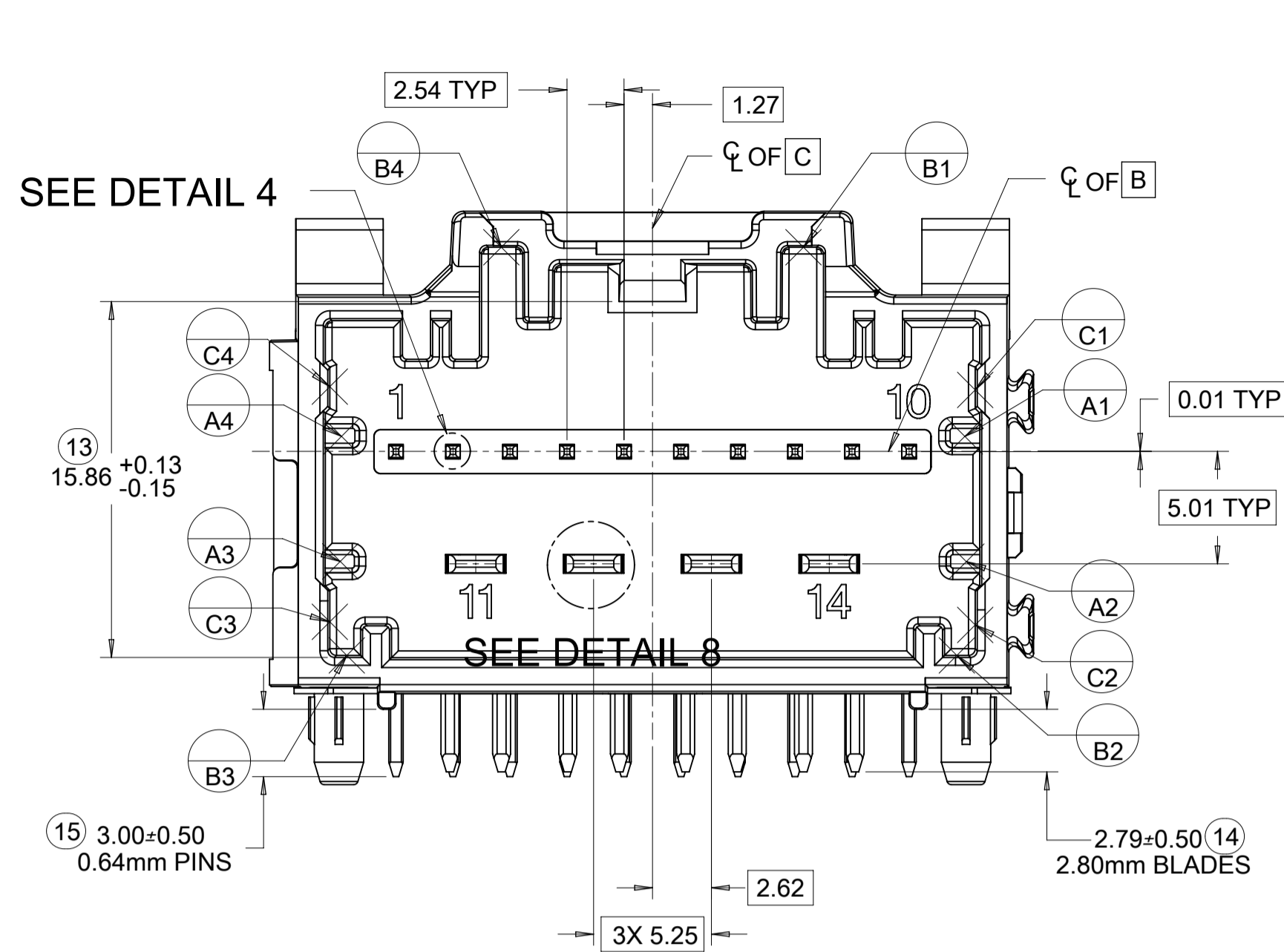


**10/14CKT HYBRID**

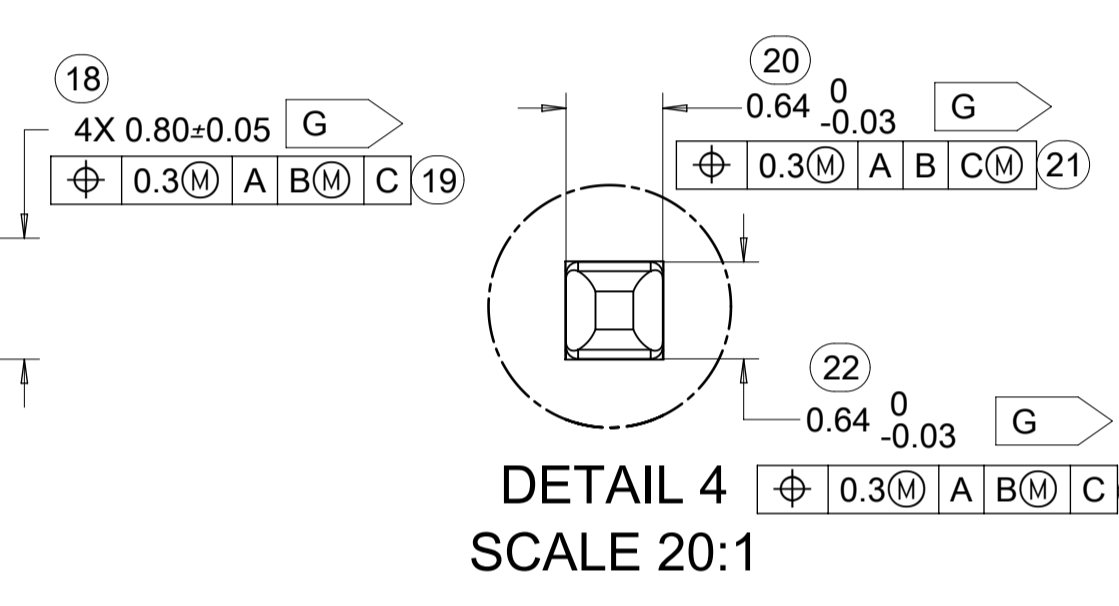


<b>QUALITY SYMBOLS</b> F <sub>A</sub> = 0 F <sub>E</sub> = 0 F <sub>G</sub> = 0 ▽ = 0 C = 0 ⊠ = 0 ■ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	EC NO: 612618 DRWN: SHANDITHAVAL CHKD: RBAUMAN REV APPR: RBAUMAN	2019/02/22 2019/02/23 2019/02/23	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ±	DIMENSION UNITS: mm SCALE: 4:1 DRWN BY: JFISCHER01 DATE: 2013/05/31 CHK'D BY: [blank] DATE: [blank] APPR BY: RBAUMAN DATE: 2013/06/04			<b>STAC64 4-BAY PAP R/A</b> <b>LONG PIN HEADER ASSEMBLY SALES DRAWING</b>			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE: A1 THIRD ANGLE PROJECTION	PRODUCT CUSTOMER DRAWING		SERIES: 34997 MATERIAL NUMBER: SEE CHART CUSTOMER: GENERAL MARKET				
	RELEASE STATUS: P1 RELEASE DATE: 2019/02/23 23:33:07	DOCUMENT NUMBER: SD-34997-400 DOC TYPE: PSD DOC PART: 001 SHEET NUMBER: 3 OF 5								

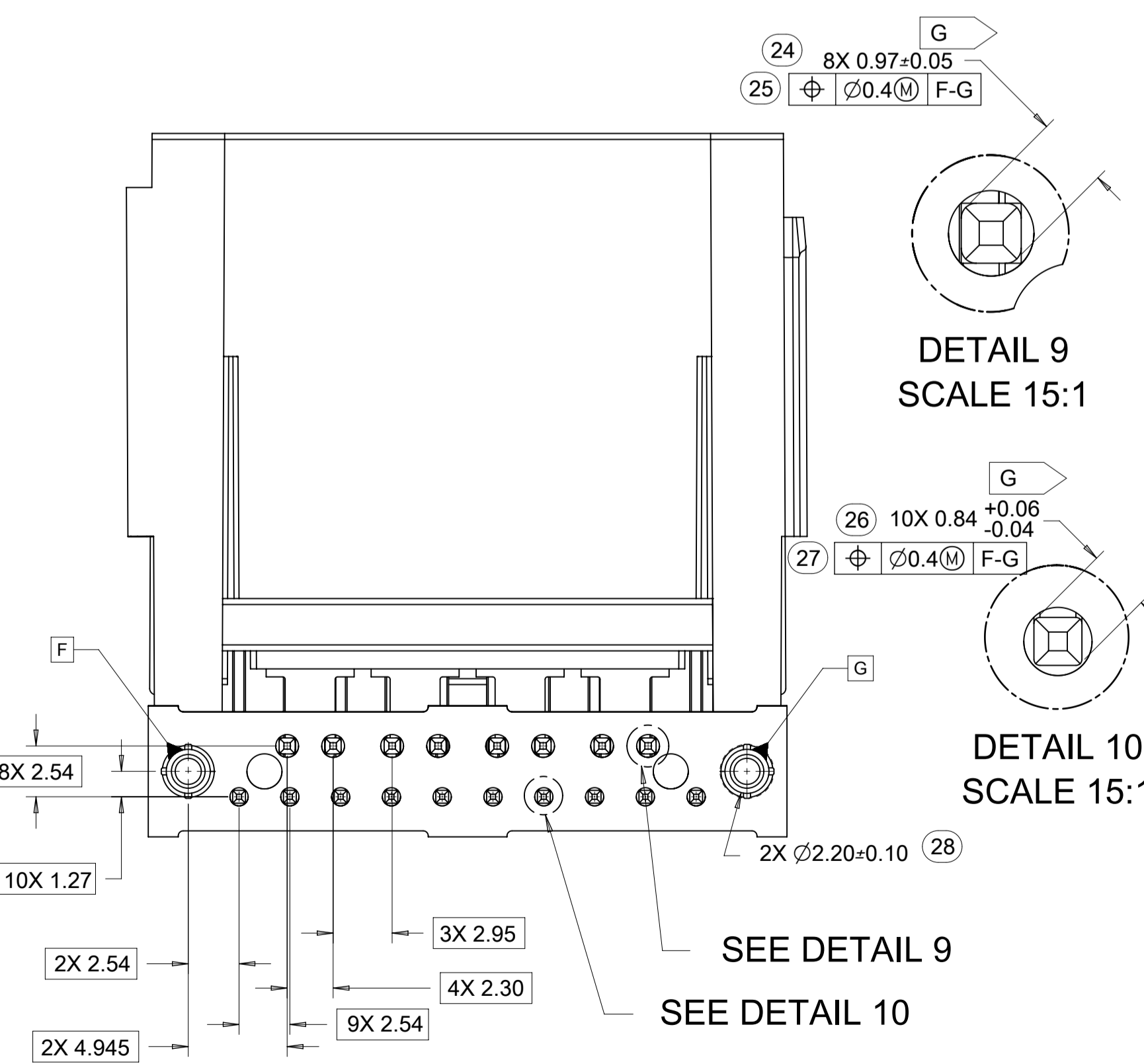
# 14 CKT STAC HYBRID HEADER DETAILS



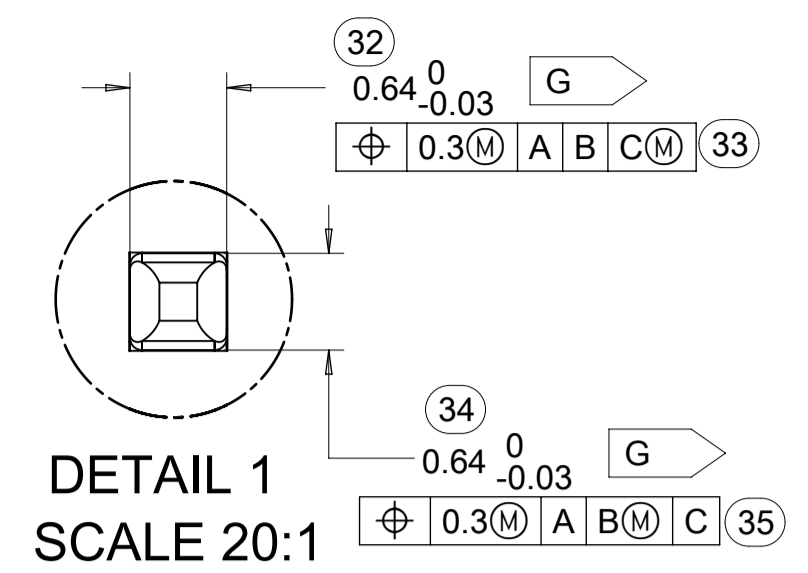
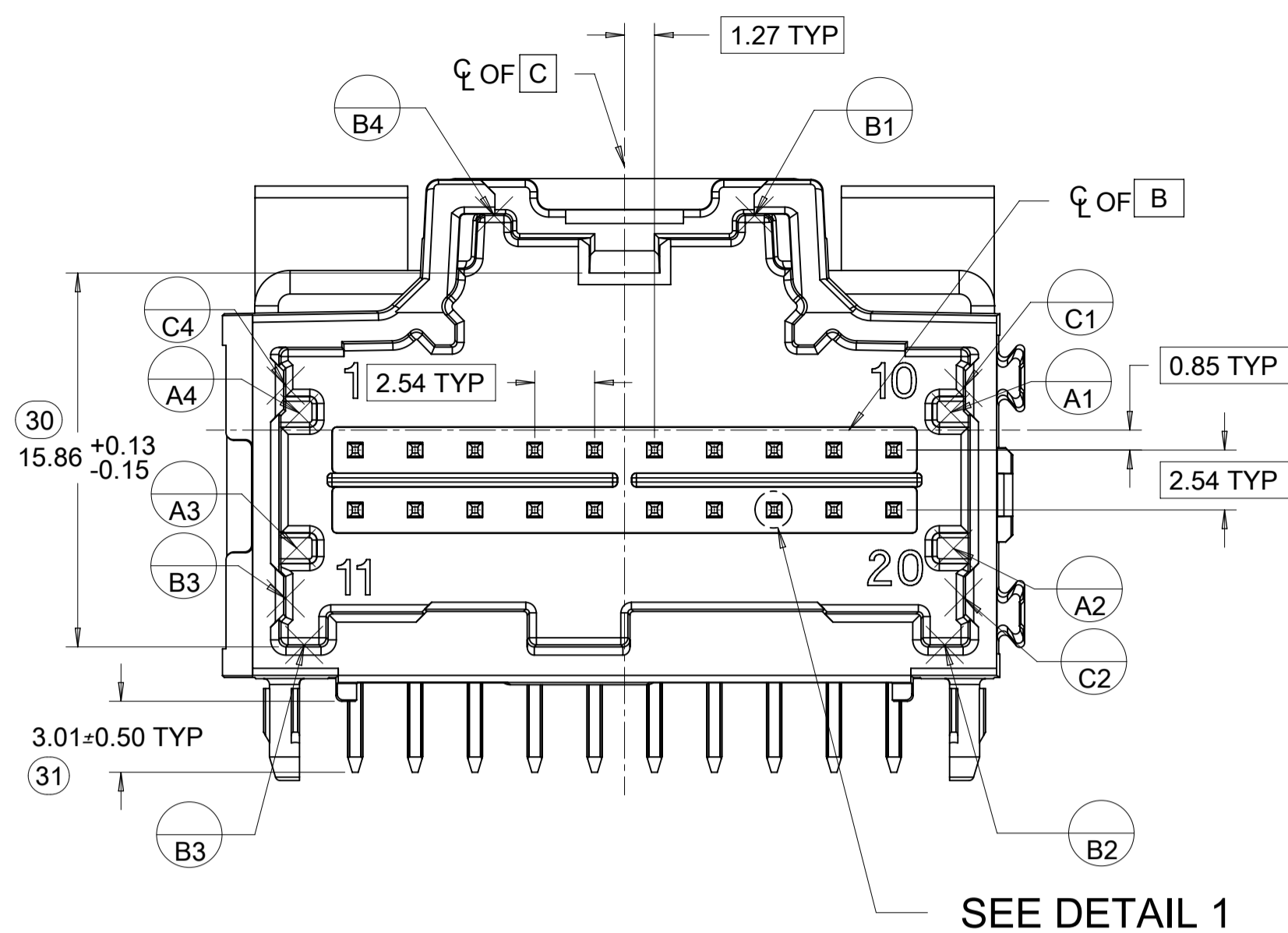
DETAIL 8  
SCALE 20:1



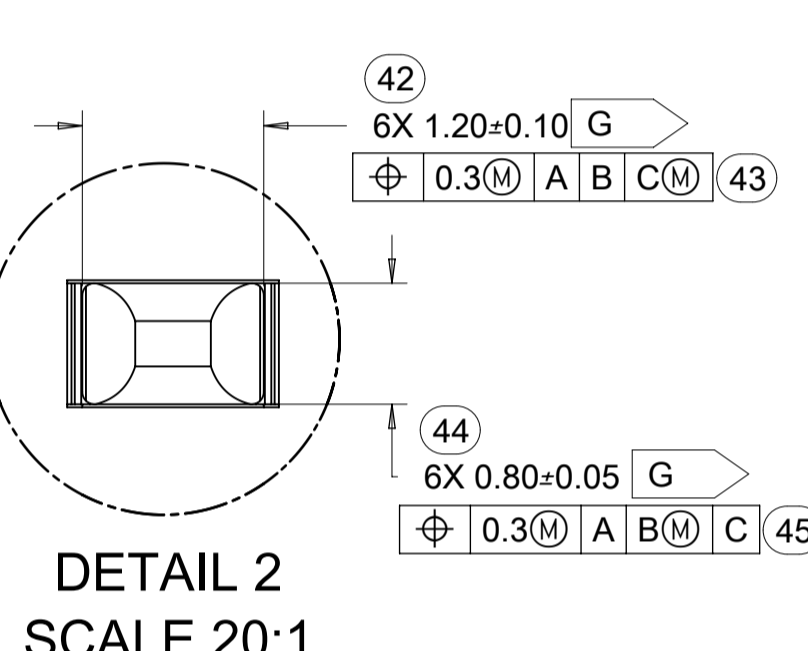
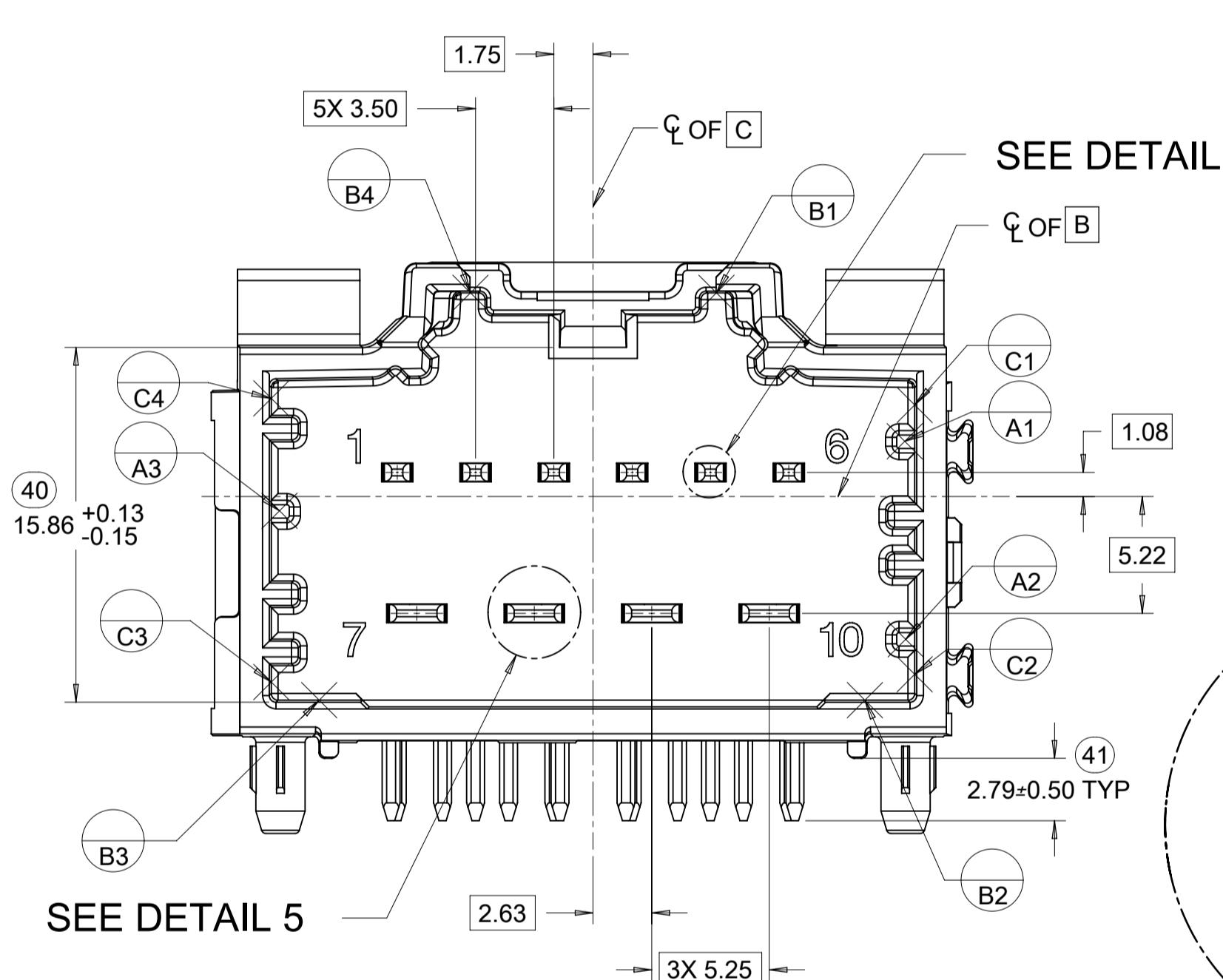
DETAIL 4  
SCALE 20:1



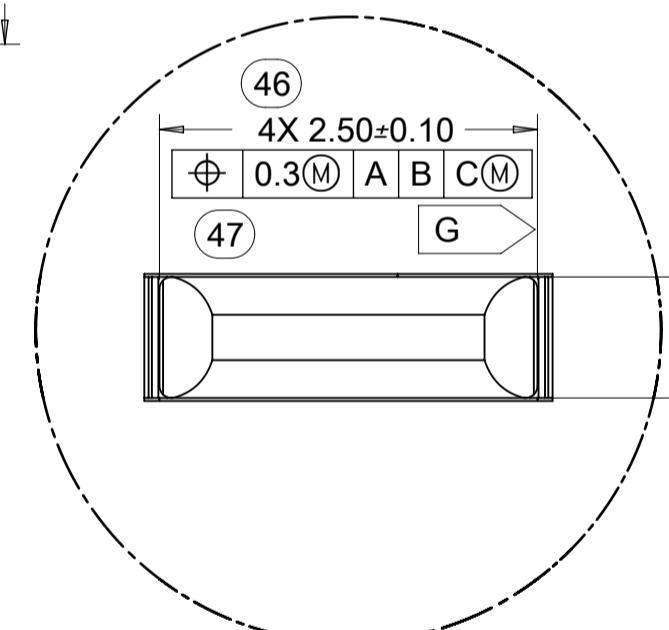
DETAIL 10  
SCALE 15:1



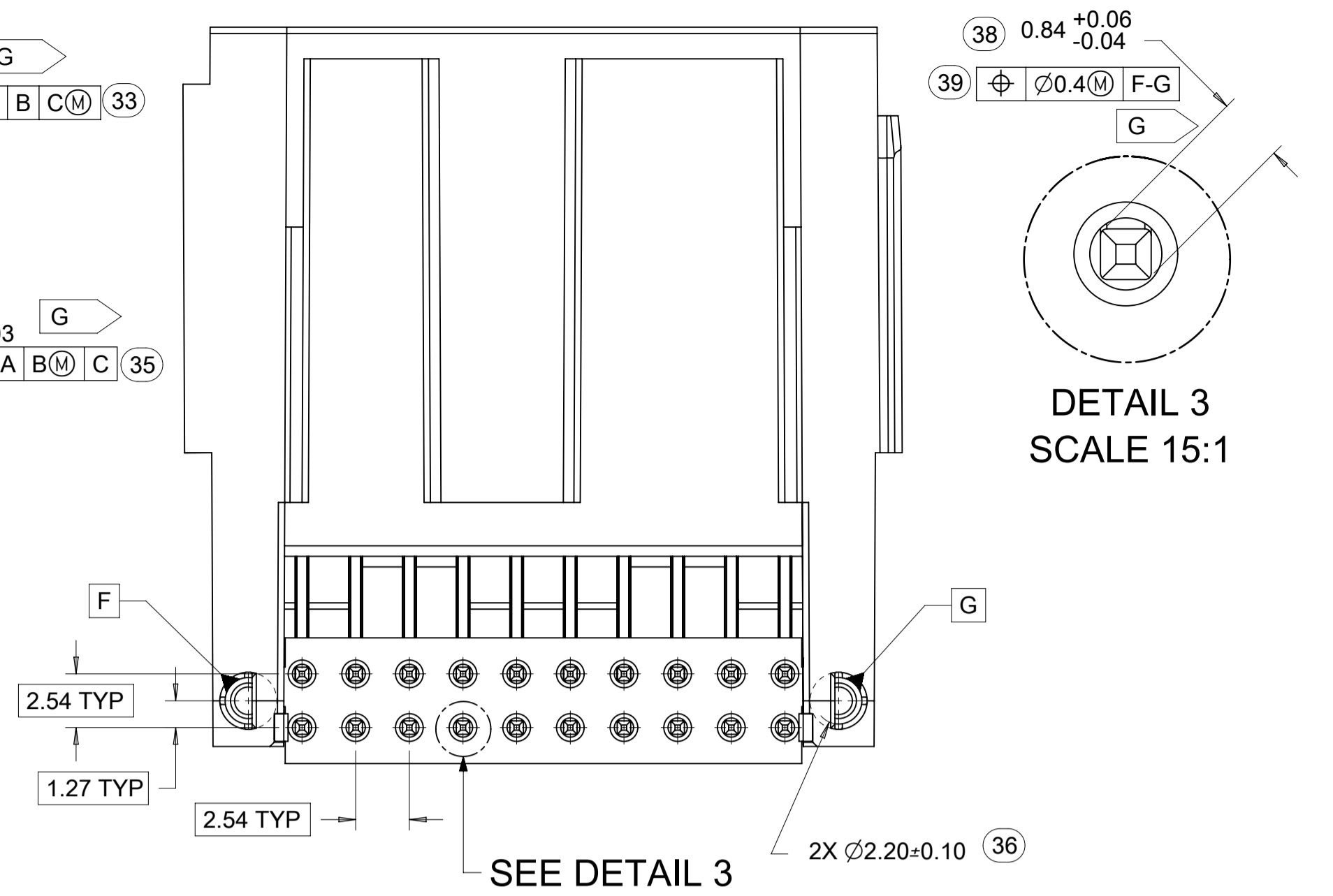
DETAIL 1  
SCALE 20:1



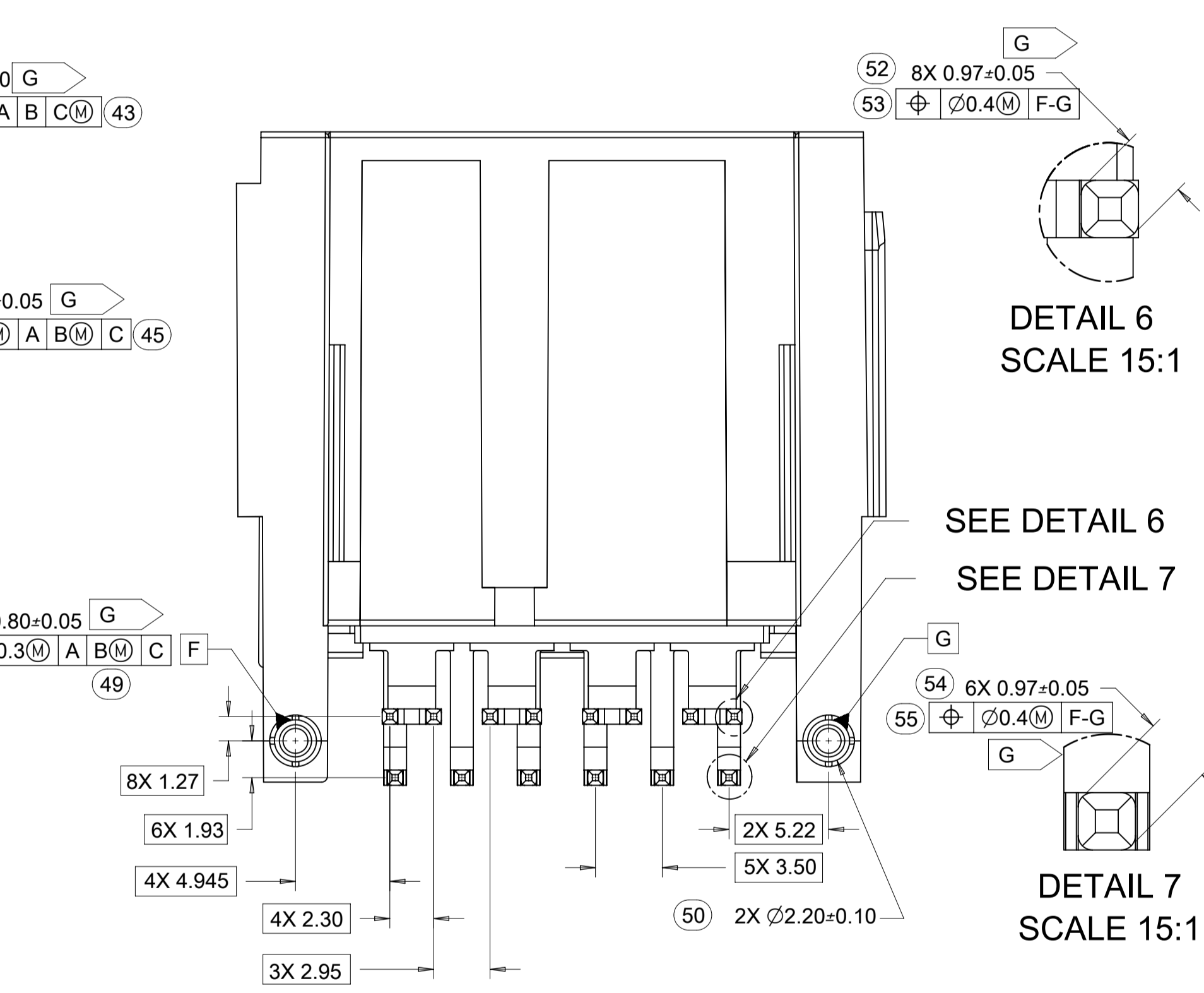
DETAIL 2  
SCALE 20:1



DETAIL 5  
SCALE 20:1



DETAIL 3  
SCALE 15:1

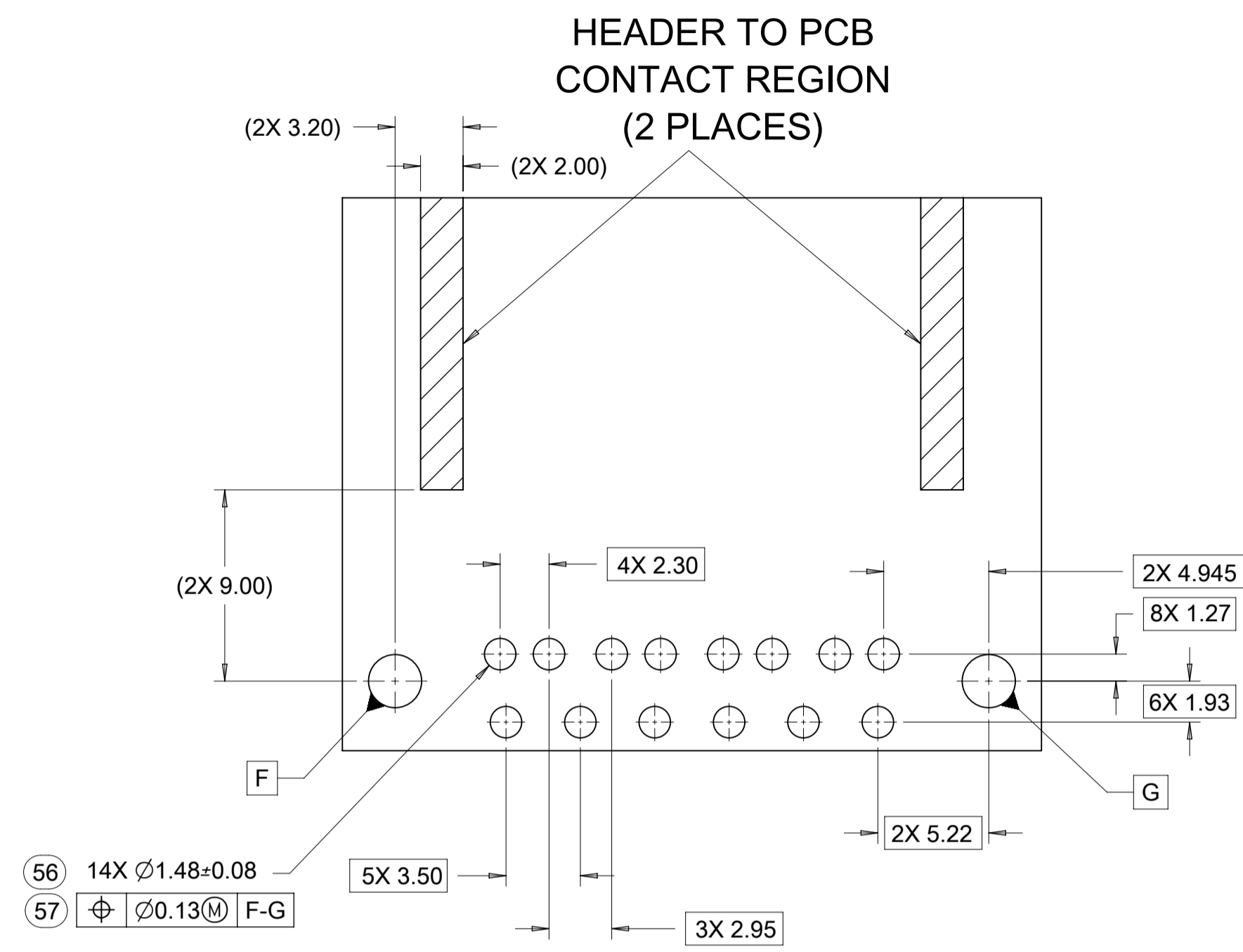


DETAIL 6  
SCALE 15:1

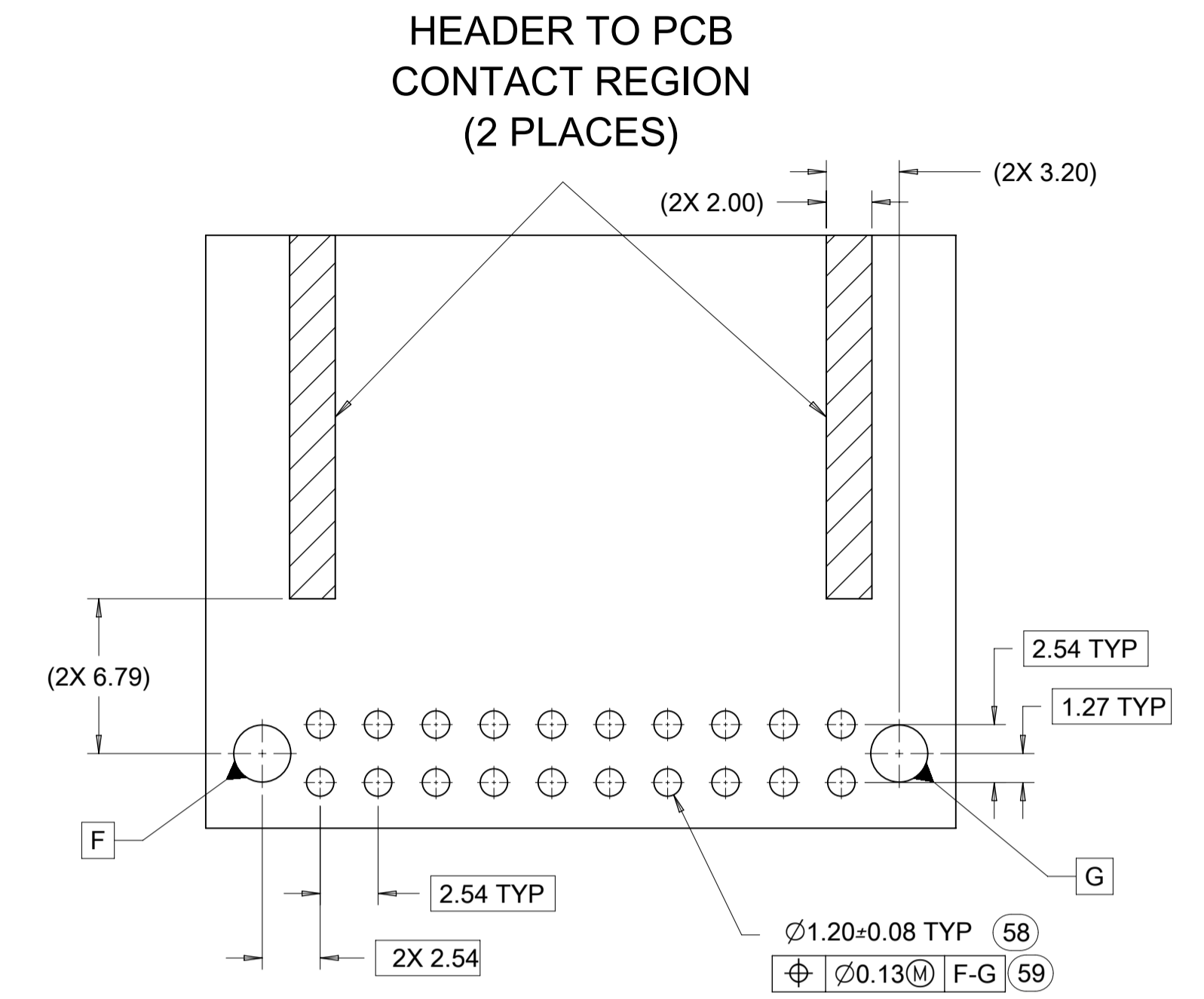
DETAIL 7  
SCALE 15:1

QUALITY SYMBOLS F = 0 E = 0 E = 0 = 0 C = 0 X = 0 = 0 V = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
	EC NO: 612618 DRWN: SHANDITHAVAL CHKD: RBAUMAN REV APPR: RBAUMAN	2019/02/22 2019/02/23 2019/02/23	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS: mm SCALE: 4:1 DRWN BY: JFISCHER01 DATE: 2013/05/31 CHKD BY: RBAUMAN DATE: 2013/06/04 APPR BY: RBAUMAN DATE: 2013/06/04 DRAWING SIZE: A1 THIRD ANGLE PROJECTION

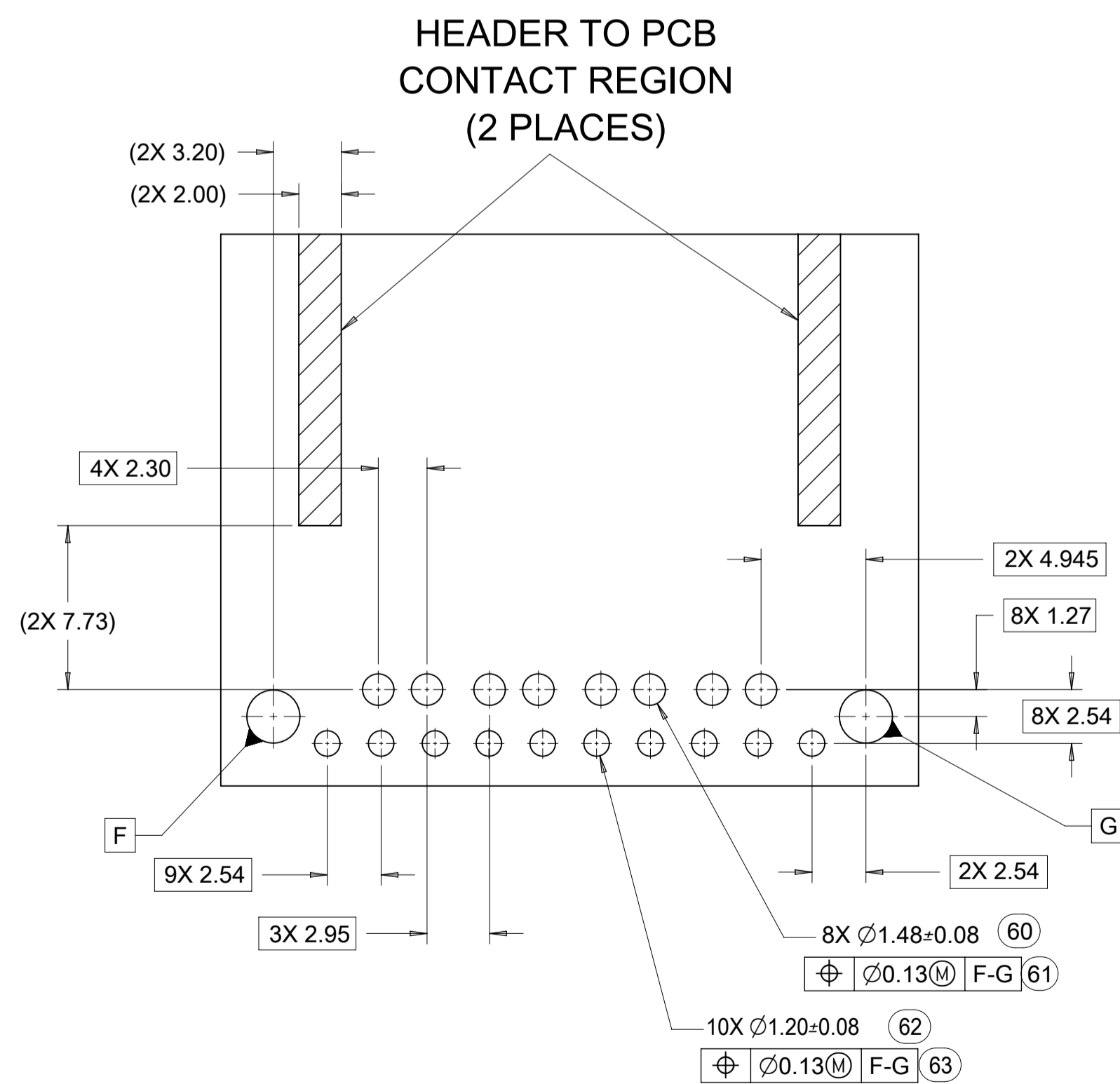
### 10 CKT HYBRID TEMPLATE PCB LAYOUT



### 8-20CKT 0.64mm TEMPLATE PCB LAYOUT



### 14 CKT HYBRID TEMPLATE PCB LAYOUT



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
QUALITY SYMBOLS	EC NO: 612618 DRWN: SHANDITHAVAL CHKD: RBAUMAN APPR: RBAUMAN	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE						
		ANGULAR TOL ± 1.0 °		mm	4:1						
FA = 0	C8 REV:	4 PLACES ±	DRWN BY	DATE		STAC64 4-BAY PAP R/A LONG PIN HEADER ASSEMBLY SALES DRAWING  PRODUCT CUSTOMER DRAWING					
FE = 0		3 PLACES ±	JFISCHER01	2013/05/31							
FF = 0		2 PLACES ± 0.13	CHK'D BY	DATE							
GD = 0		1 PLACE ± 0.25	RBAUMAN	2013/06/04							
GC = 0		0 PLACES ±	APPR BY	DATE							
GH = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	RBAUMAN	2013/06/04							
GI = 0		DRAWING SIZE	THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER		
		A1			34997		SEE CHART		GENERAL MARKET		
					DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER
					SD-34997-400		PSD		001		5 OF 5