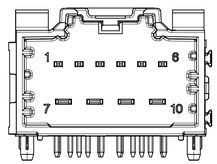
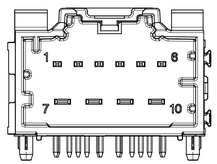
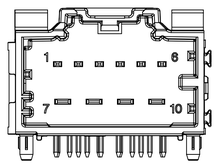


OPTION 'A'



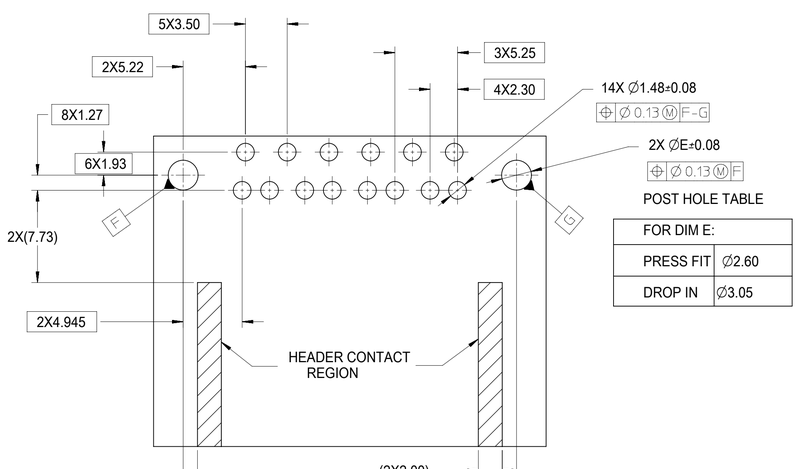
OPTION 'B'



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

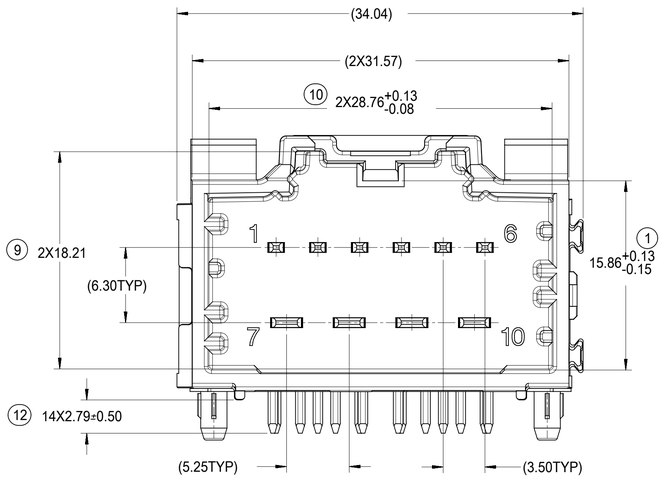
RECOMMENDED PCB LAYOUT

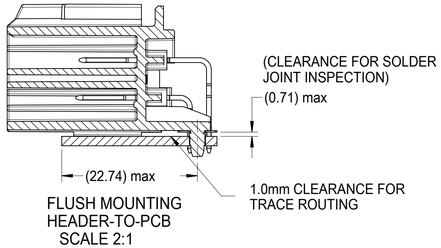


CONNECTOR MATE SIDE

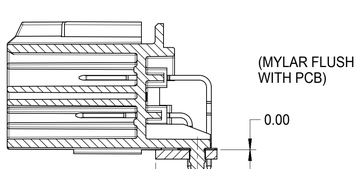
POST HOLE TABLE

FOR DIM E:	
PRESS FIT	Ø2.60
DROP IN	Ø3.05

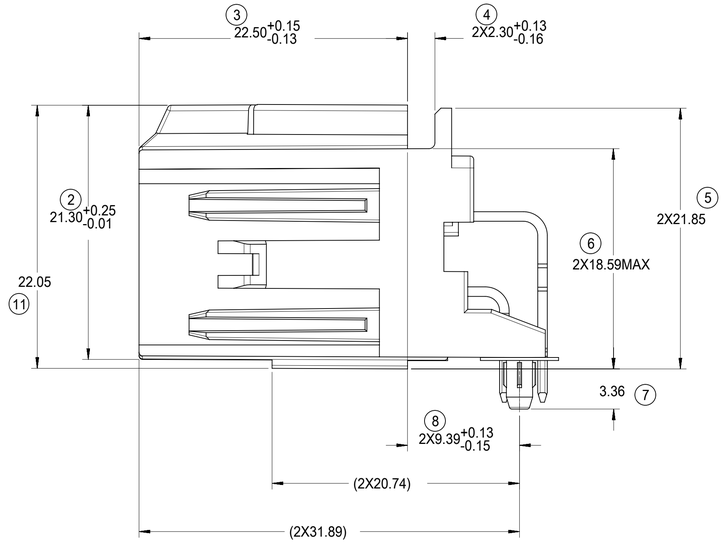




FLUSH MOUNTING HEADER-TO-PCB
SCALE 2:1



PANEL MOUNTING HEADER-TO-PCB
SCALE 2:1



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	
E/A	= 0
E/C	= 0
E/P	= 0
S	= 0
	= 0
C	= 0
	= 0
	= 0
V	= 0

DIMENSION UNITS	SCALE
mm	4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)		
ANGULAR TOL	±	3.0 °
4 PLACES	±	
3 PLACES	±	
2 PLACES	±	0.13
1 PLACE	±	0.25
0 PLACES	±	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 171516
DRWN: MYOUNG01 2018/01/29
CHK'D: RBAUMAN 2018/01/30
APPR: RBAUMAN 2018/01/30

INITIAL REVISION:
DRWN: MBAILEY 2007/09/06
APPR: SMARCEAU 2007/09/10

molex

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

PRODUCT CUSTOMER DRAWING

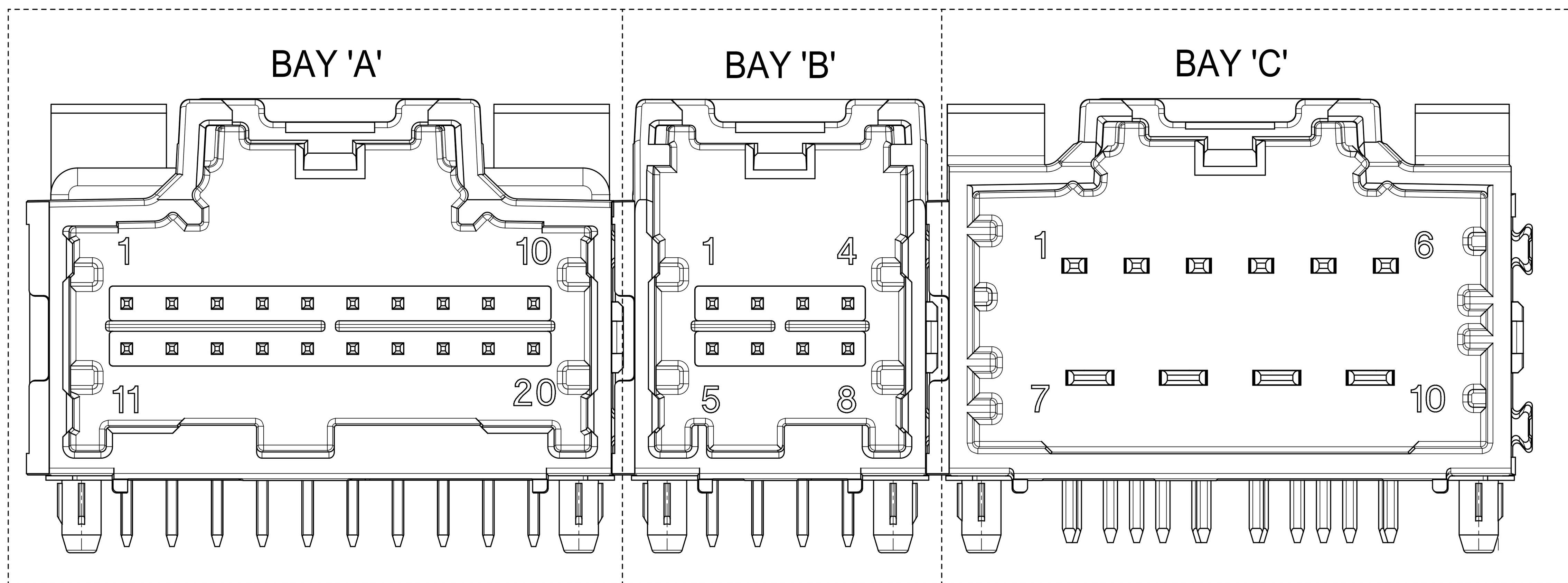
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34696-100	PSD	001	K7

THIRD ANGLE PROJECTION	DRAWING	SERIES
	D-SIZE	34696

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2018/01/30 14:01:14

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	FA = 0; FC = 0; FP = 0; S = 0; ▼ = 0; C = 0; ☒ = 0; ■ = 0; C = 0
DIMENSION UNITS	mm
SCALE	1:1
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	
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
THIRD ANGLE PROJECTION	
DRAWING	D-SIZE
SERIES	34708
	molex
	3-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING
	PRODUCT CUSTOMER DRAWING
DOCUMENT NUMBER	SD-34708-300
DOC TYPE	PSD
DOC PART	001
REVISION	U8
MATERIAL NUMBER	
CUSTOMER	GENERAL MARKET
SHEET NUMBER	1 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/23	23:33:02

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

= 0 (F)
= 0 (E)
= 0 (B)
= 0 (S)
= 0
= 0 (C)
= 0
= 0
= 0 (A)

DIMENSION UNITS	SCALE
mm	1:1

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

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

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

THIRD ANGLE PROJECTION	DRAWING	SERIES
	D-SIZE	34708

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/23 23:33:02

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

SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1

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

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

THIRD ANGLE PROJECTION
DRAWING: D-SIZE
SERIES: 34708

molex

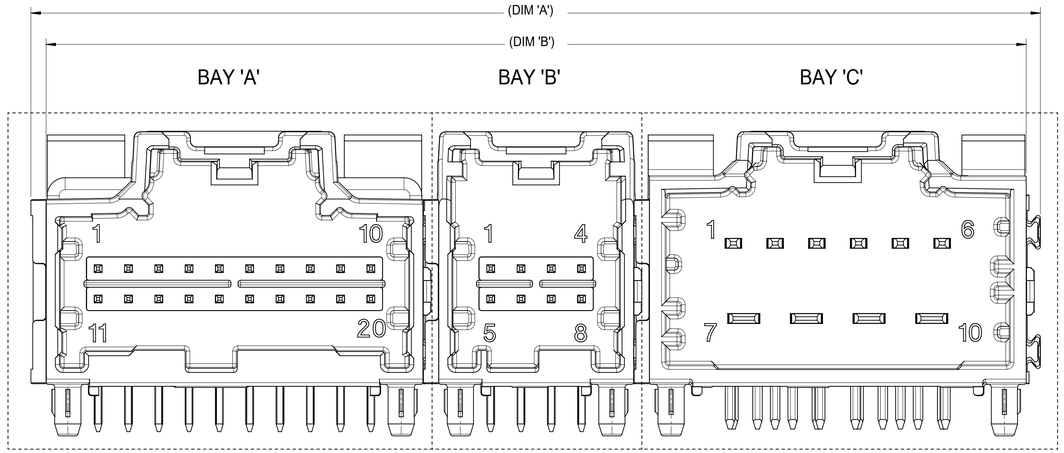
3-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

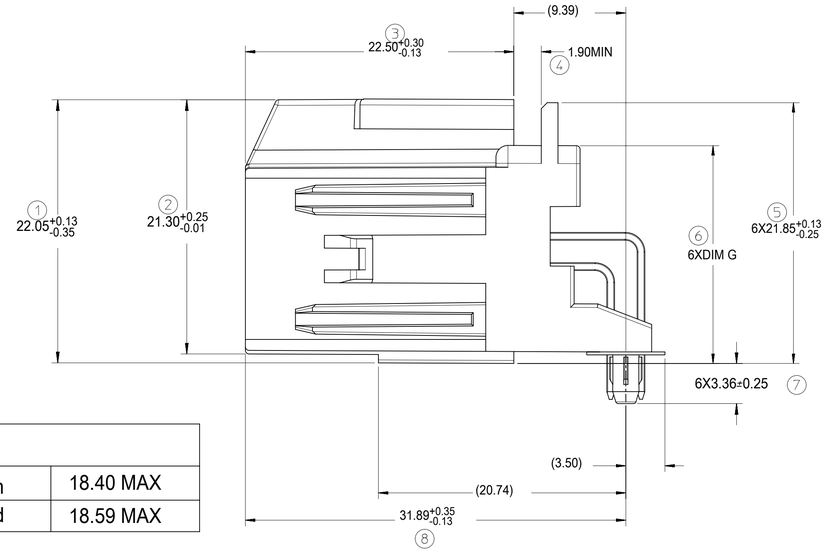
PRODUCT CUSTOMER DRAWING

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

MATERIAL NUMBER:
CUSTOMER: GENERAL MARKET

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/23 23:33:02

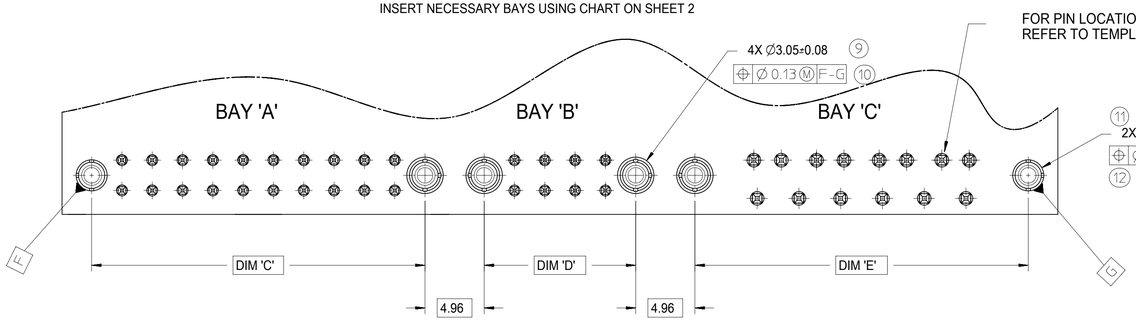




FOR DIM G:	
8-20CKT 0.64mm	18.40 MAX
10/14CKT Hybrid	18.59 MAX

RECOMMENDED PCB LAYOUT

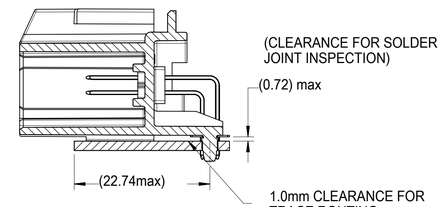
INSERT NECESSARY BAYS USING CHART ON SHEET 2



POST HOLE TABLE:

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

ALL CIRCUIT SIZES



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

SYMBOLS
A = 0
C = 0
D = 0
S = 0
= 0
= 0
E = 0
= 0
= 0
= 0

DIMENSION UNITS	SCALE
mm	1:1

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

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

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34708

molex

3-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

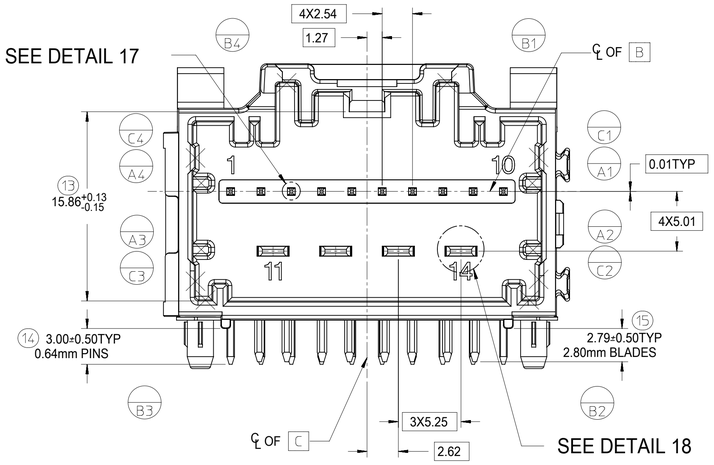
PRODUCT CUSTOMER DRAWING

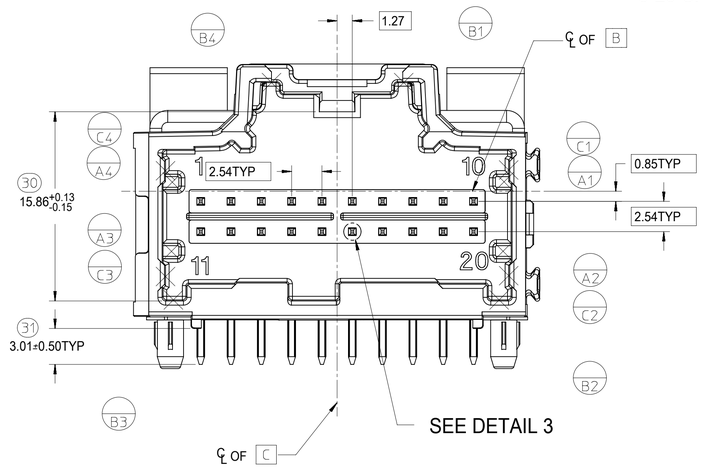
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34708-300	PSD	001	U8

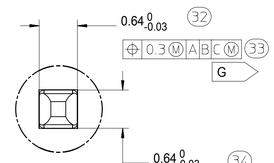
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/23 23:33:02

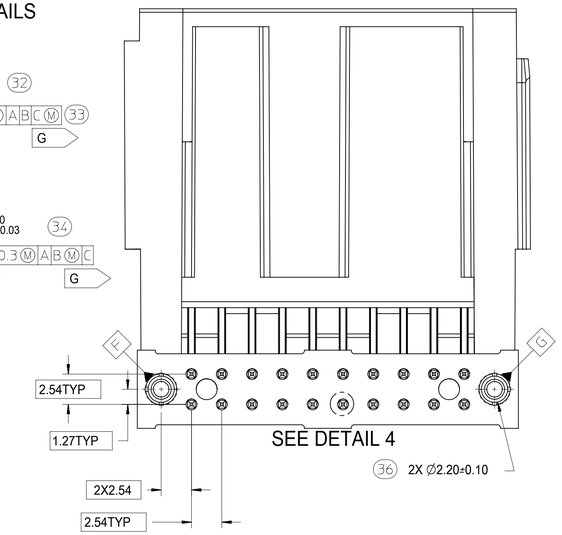
8-20 CKT 0.64mm HEADER DETAILS

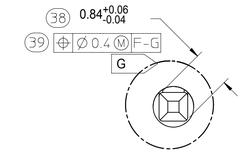




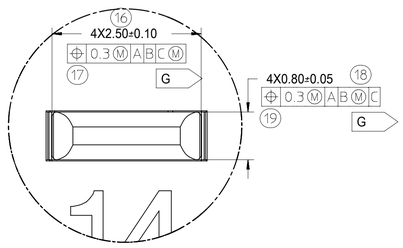


DETAIL 3
SCALE 20:1

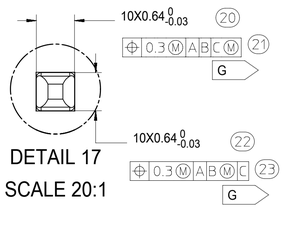




DETAIL 4
SCALE 15:1

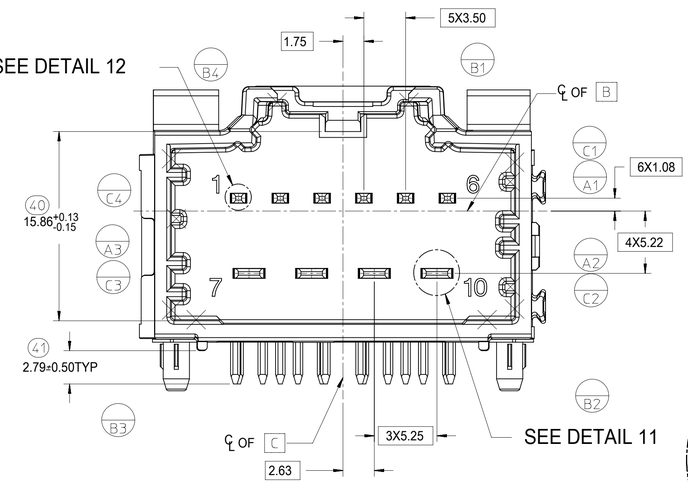


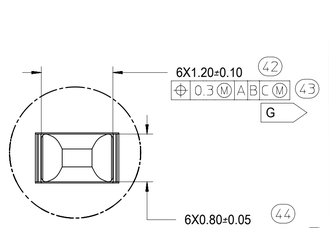
DETAIL 18
SCALE 20:1



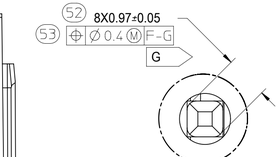
DETAIL 17
SCALE 20:1

SEE DETAIL 12

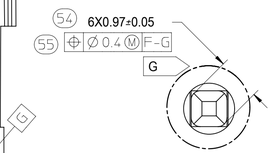




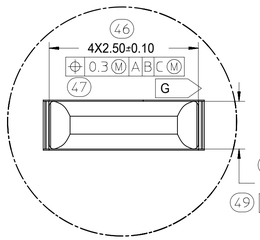
DETAIL 12
SCALE 20:1



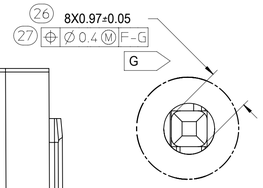
DETAIL 14
SCALE 15:1



DETAIL 13
SCALE 15:1



DETAIL 11
SCALE 20:1



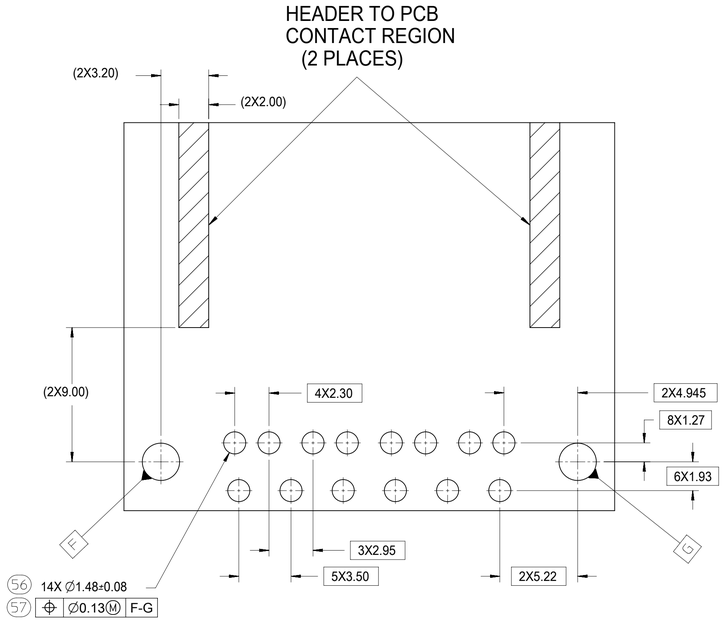
DETAIL 19
SCALE 15:1

DETAIL 20
SCALE 15:1

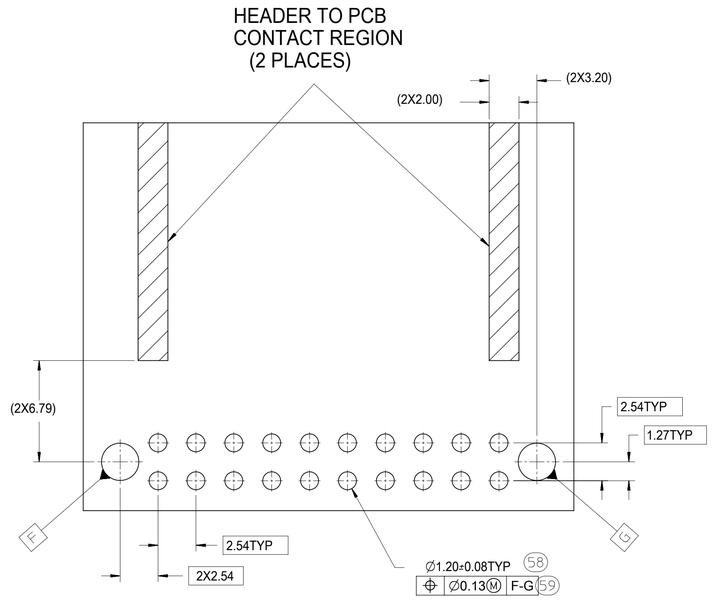
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
E = 0		DIMENSION UNITS: mm	SCALE: 1:1	CURRENT REV DESC:			molex		
E = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)							
E = 0		ANGULAR TOL ± 1.0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

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/23 23:33:02

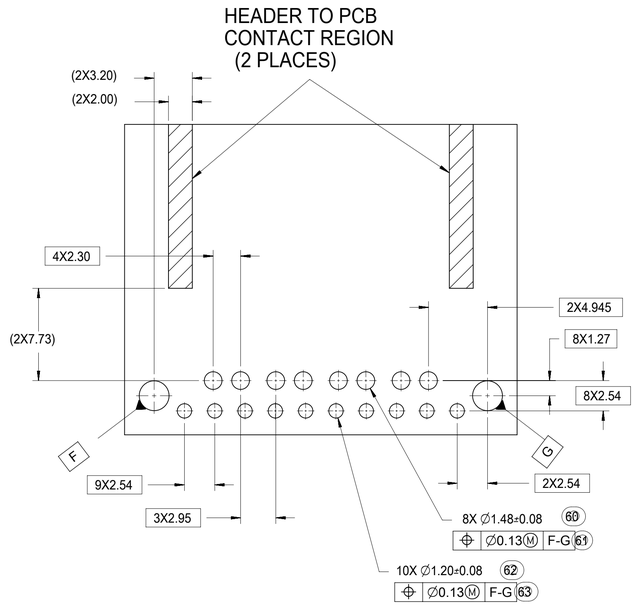
10 CKT HYBRID TEMPLATE PCB LAYOUT



8-20 CKT 0.64mm TEMPLATE PCB LAYOUT



14 CKT HYBRID TEMPLATE PCB LAYOUT



SYMBOLS	
A = 0	
E = 0	
D = 0	
S = 0	
= 0	
C = 0	
= 0	
= 0	
G = 0	

DIMENSION UNITS	SCALE
mm	1:1

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

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

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34708

molex

3-BAY STAC64 RIGHT ANGLE
HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

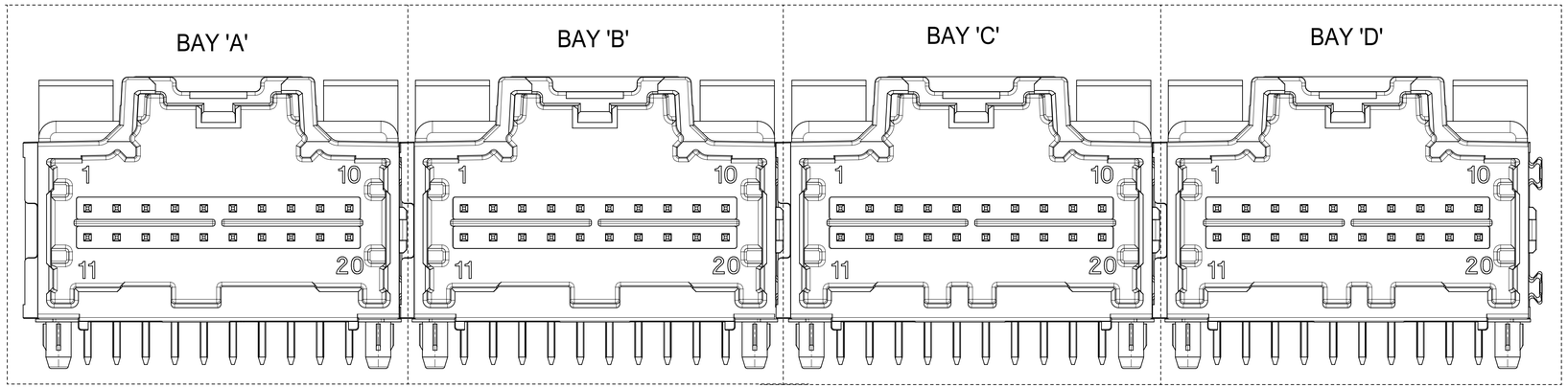
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34708-300	PSD	001	U8

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	5 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/23 23:33:02

TABLE OF CONTENTS	
1	NOTES, INSPECTION BALLOON NUMBER LOG, REV.TABLE, 4 BAY ASSEMBLY VIEW
2	DIMENSIONAL CHART FOR MULTIBAY CONFIGURATION
3	4 BAY ASSEMBLY VIEW, RECOMMENDED PCB LAYOUT, FLUSH MOUNTING VIEW, POST HOLE TABLE, DIMENSION DETAILS
4	8-20CKT 0.64MM HEADER DETAILS, 14CKT HYBRID HEADER DETAILS, 10CKT HYBRID HEADER DETAILS
5	RECOMMENDED SINGLE PCB LAYOUT FOR 10CKT HYBRID, 14CKT HYBRID, AND 8-20CKT 0.64MM

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



(P1) 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 CKT HYBRID PRODUCT SPEC: PS-31372-100
14 CKT HYBRID PRODUCT SPEC: PS-34969-100

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

b. 0.64mm PINS:
BASE MATERIAL: COPPER ALLOY
PLATING TYPE: AS NOTED

1.50/2.80mm BLADES:
BASE MATERIAL: COPPER ALLOY
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 HYBIRD: SD-34773-100

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

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: P1
LAST BALLOON NUMBER USED: 55
ADDED BALLOON NUMBERS:
REMOVED BALLOON NUMBERS: 9, 10, 11, 12, 56, 57, 58, 59, 60, 61, 62, 63

REV.	REV DESCRIPTION	EC#	DATE
P1	1. UPDATED NOTES 2. ADDED NEW P/N 34708-4021 IN SHEET 2	660202	2021.05

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FE = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	4:1

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

CURRENT REV DESC:

EC NO: 660202
DRWN: CZHANG118 2021/02/04
CHK'D: CZHANG118 2021/04/09
APPR: JDENG02 2021/05/18

INITIAL REVISION:
DRWN: VDANIELE 2008/11/14
APPR: SMARCEAU 2008/11/14

molex

4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34708-400	PSD	001	P1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	34708		GENERAL MARKET	1 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 01:49:26

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
(P1) TBD	TBD	34708-4021	10	HYBRID	A	14	HYBRID	A	16	0.64mm	A	20	0.64mm	A	127.66	125.19	27.94	27.94	22.86	27.94

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FE = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1

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

CURRENT REV DESC:

EC NO: 660202
DRWN: CZHANG118 2021/02/04
CHK'D: CZHANG118 2021/04/09
APPR: JDENG02 2021/05/18

INITIAL REVISION:
DRWN: VDANIELE 2008/11/14
APPR: SMARCEAU 2008/11/14

molex

4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

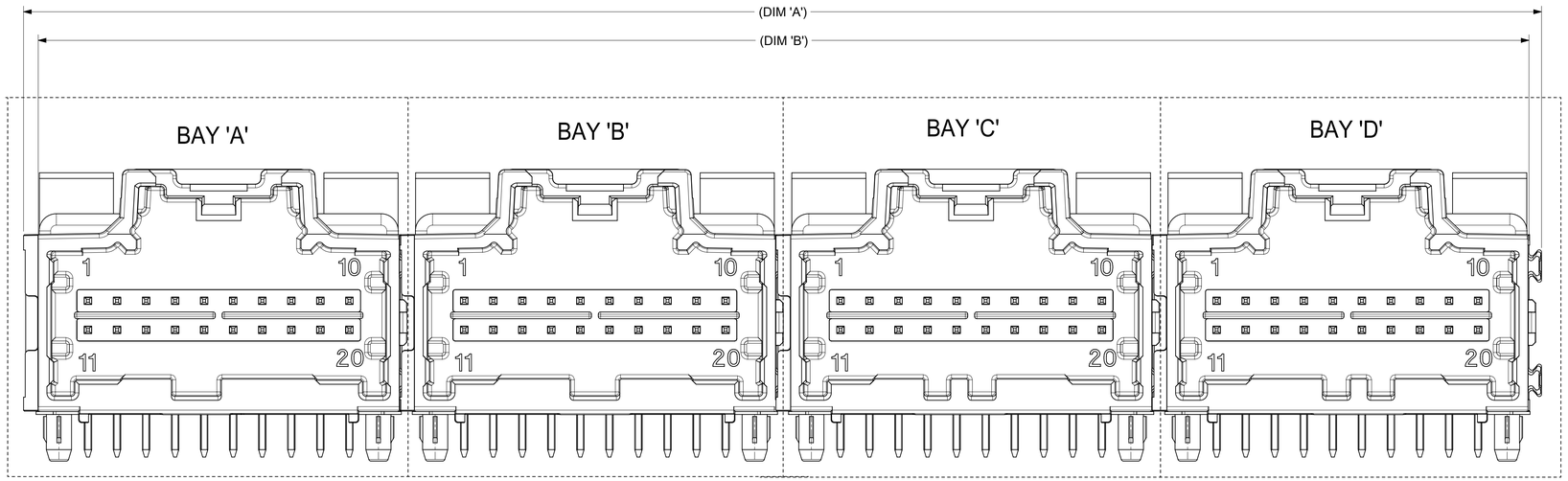
PRODUCT CUSTOMER DRAWING

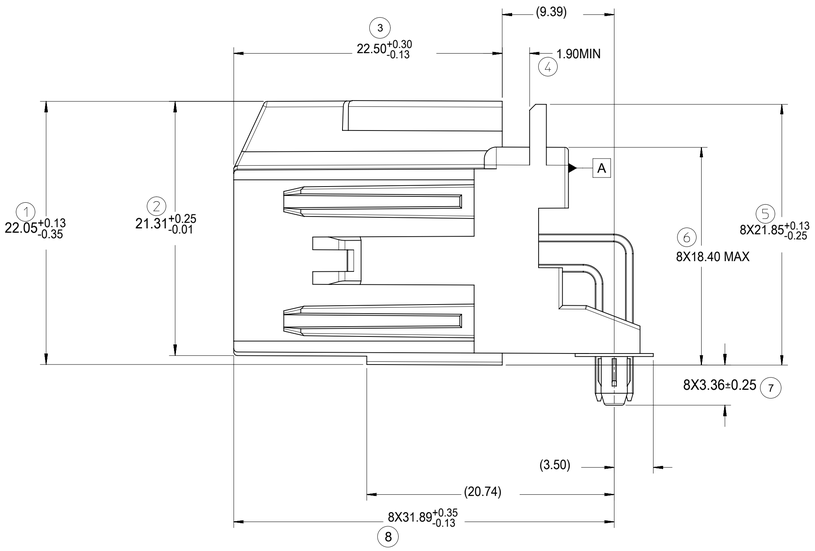
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34708-400	PSD	001	P1

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	34708		GENERAL MARKET	2 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 01:49:26

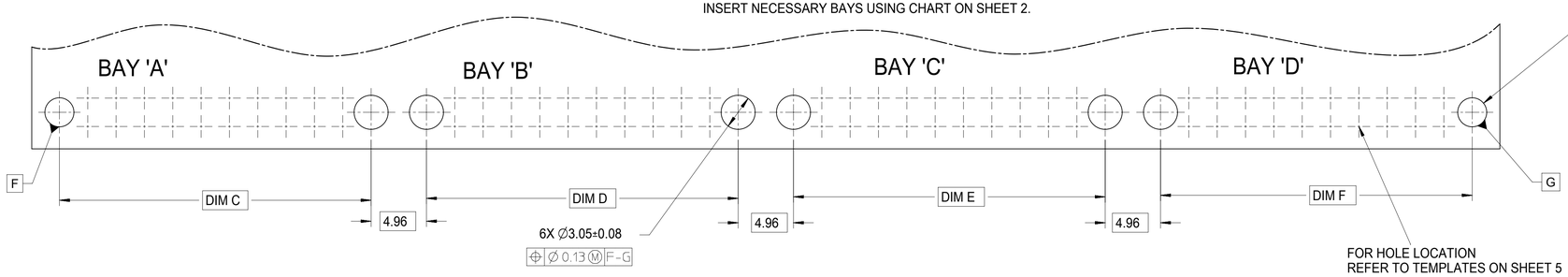
TABLE OF CONTENTS	
3	4 BAY ASSEMBLY VIEW, RECOMMENDED PCB LAYOUT, FLUSH MOUNTING VIEW, POST HOLE TABLE, DIMENSION DETAILS





RECOMMENDED PCB LAYOUT

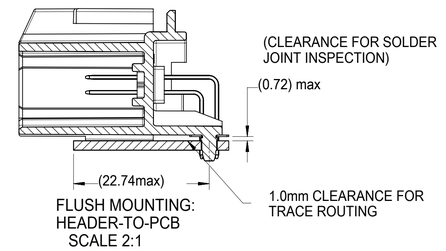
INSERT NECESSARY BAYS USING CHART ON SHEET 2.



POST HOLE TABLE:

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

ALL CIRCUIT SIZES



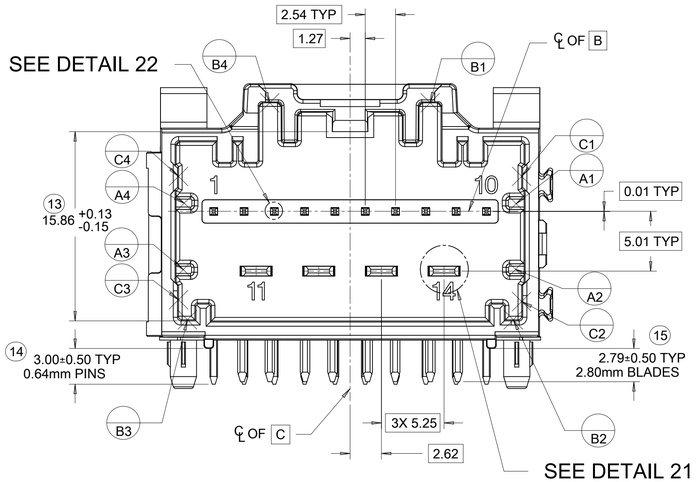
FLUSH MOUNTING:
HEADER-TO-PCB
SCALE 2:1

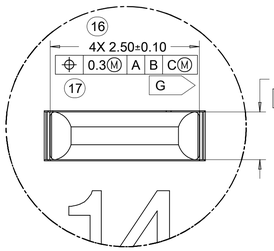
FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FP = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
DIVISIONAL SYMBOLS	DIMENSION UNITS: mm; SCALE: 4:1	CURRENT REV DESC:	molex
	GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 1.0 °; 4 PLACES ±; 3 PLACES ±; 2 PLACES ± 0.13; 1 PLACE ± 0.25; 0 PLACES ±	EC NO: 660202 DRWN: CZHANG118 2021/02/04 CHK'D: CZHANG118 2021/04/09 APPR: JDENG02 2021/05/18 INITIAL REVISION: DRWN: VDANIELE 2008/11/14 APPR: SMARCEAU 2008/11/14	4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING PRODUCT CUSTOMER DRAWING
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION; DRAWING: D-SIZE; SERIES: 34708	DOCUMENT NUMBER: SD-34708-400; DOC TYPE: PSD; DOC PART: 001; REVISION: P1 MATERIAL NUMBER; CUSTOMER: GENERAL MARKET; SHEET NUMBER: 3 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 01:49:26

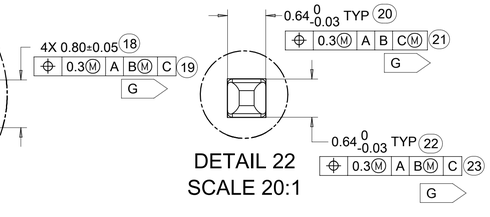
TABLE OF CONTENTS	
4	8-20CKT 0.64MM HEADER DETAILS, 14CKT HYBRID HEADER DETAILS, 10CKT HYBRID HEADER DETAILS

14 CKT HYBRID HEADER DETAILS

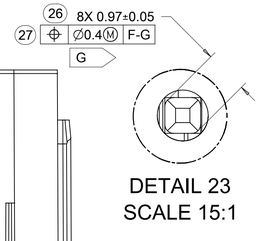




DETAIL 21
SCALE 20:1



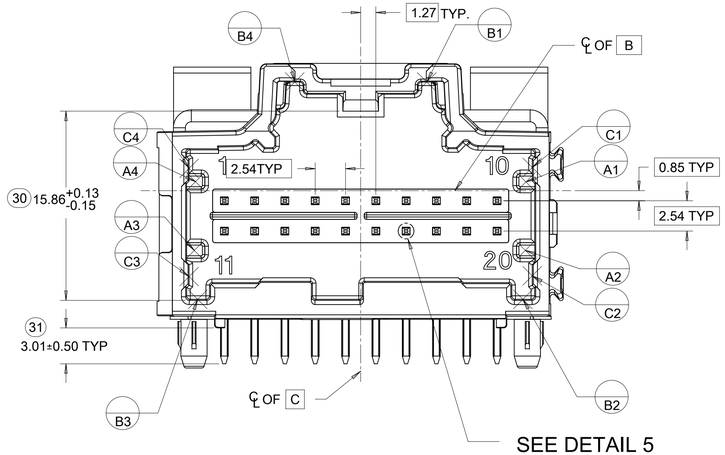
DETAIL 22
SCALE 20:1

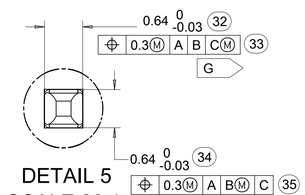


DETAIL 23
SCALE 15:1

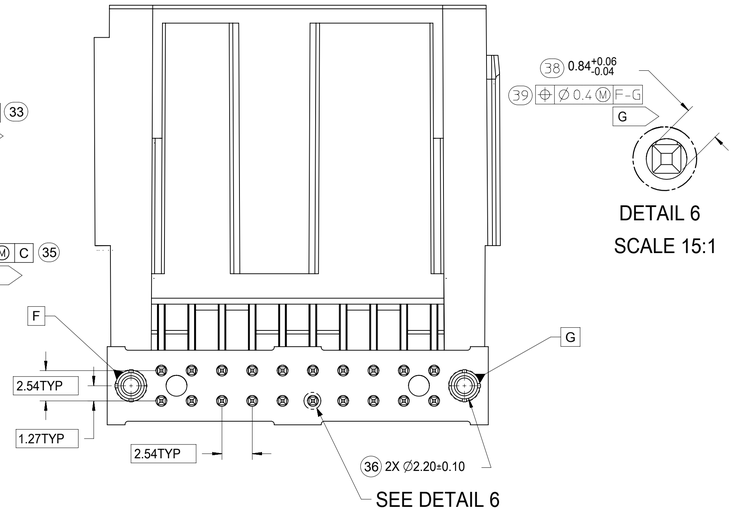
DETAIL 24
SCALE 15:1

8-20CKT STAC 0.64mm HEADER DETAILS



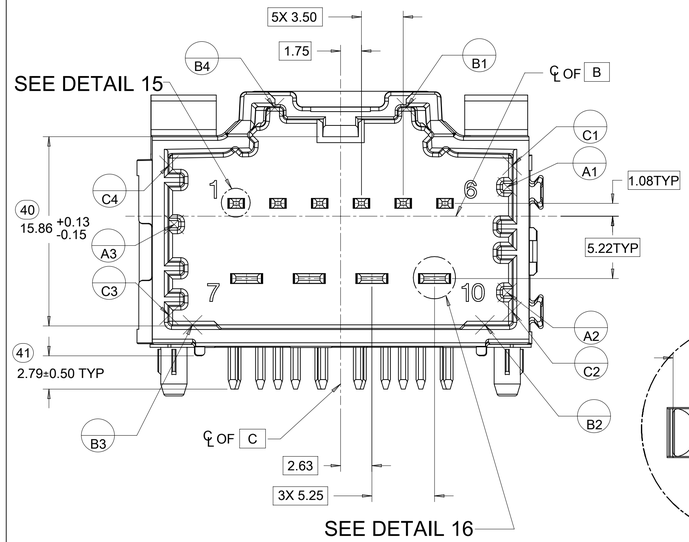


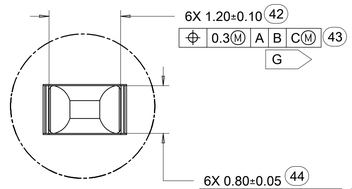
DETAIL 5
SCALE 20:1



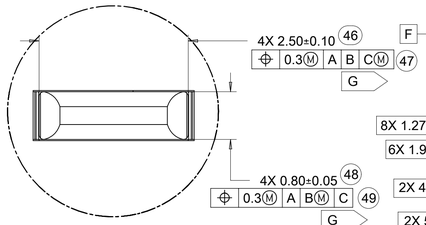
DETAIL 6
SCALE 15:1

10CKT STAC HYBRID HEADER DETAILS

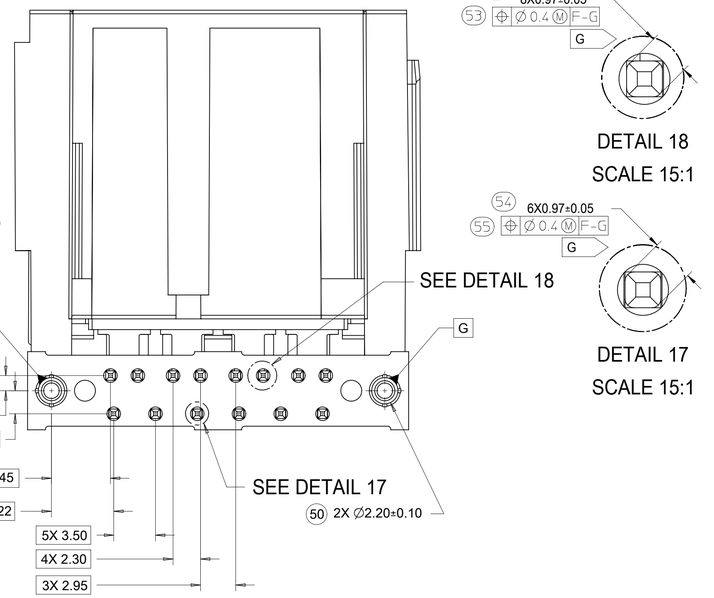




DETAIL 15
SCALE 20:1



DETAIL 16
SCALE 20:1



DETAIL 18
SCALE 15:1

DETAIL 17
SCALE 15:1

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
FA = 0	DIMENSION UNITS: mm	SCALE: 4:1	CURRENT REV DESC:	molex	
FC = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING	
FB = 0	ANGULAR TOL ± 1.0 °		EC NO: 660202		
DIVISIONAL SYMBOLS	4 PLACES ±		DRWN: CZHANG118 2021/02/04	PRODUCT CUSTOMER DRAWING	
	3 PLACES ±		CHK'D: CZHANG118 2021/04/09		
	2 PLACES ± 0.13		APPR: JDENG02 2021/05/18		
	1 PLACE ± 0.25		INITIAL REVISION:	DOCUMENT NUMBER: SD-34708-400	DOC TYPE: PSD / DOC PART: 001 / REVISION: P1
	0 PLACES ±		DRWN: VDANIELE 2008/11/14		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: SMARCEAU 2008/11/14		
			THIRD ANGLE PROJECTION	DRAWING: D-SIZE / SERIES: 34708	MATERIAL NUMBER / CUSTOMER: GENERAL MARKET / SHEET NUMBER: 4 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 01:49:26

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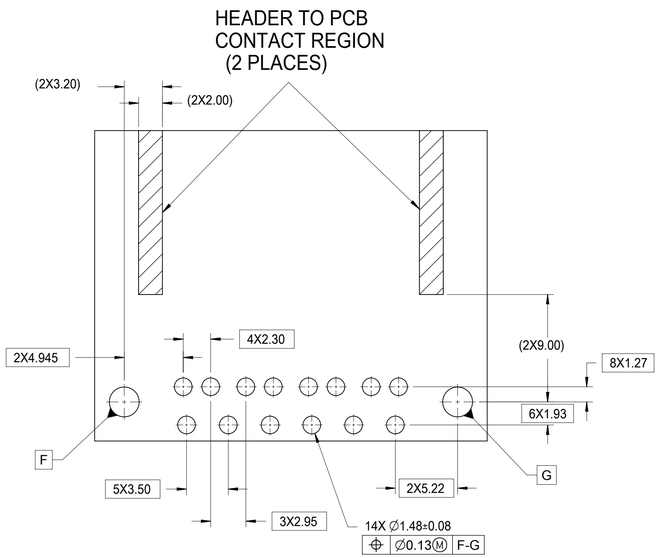
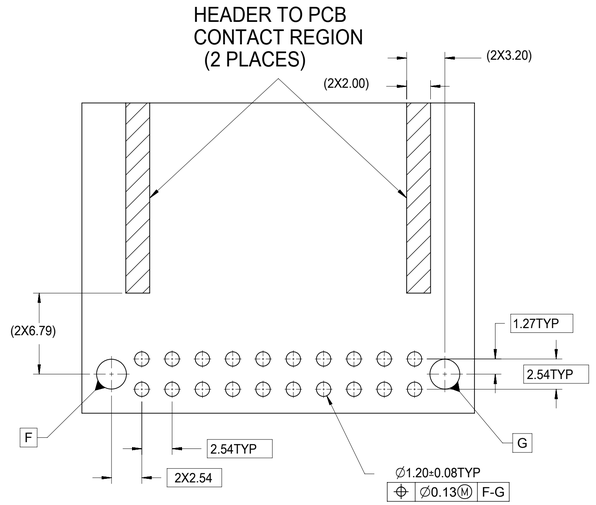
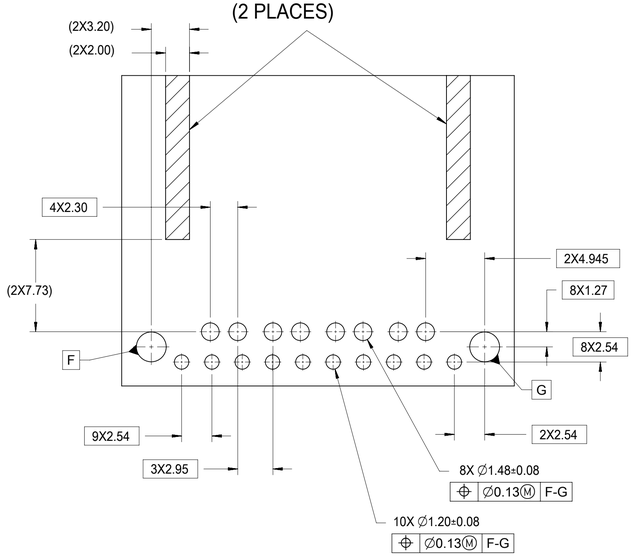
10 CKT HYBRID TEMPLATE PCB LAYOUT



8-20CKT 0.64mm TEMPLATE PCB LAYOUT



14 CKT HYBRID TEMPLATE PCB LAYOUT



DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18	01:49:26	

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FF = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	4:1

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

CURRENT REV DESC:

EC NO: 660202
DRWN: CZHANG118 2021/02/04
CHK'D: CZHANG118 2021/04/09
APPR: JDENG02 2021/05/18

INITIAL REVISION:
DRWN: VDANIELE 2008/11/14
APPR: SMARCEAU 2008/11/14

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34708

molex

4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34708-400	PSD	001	P1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	5 OF 5

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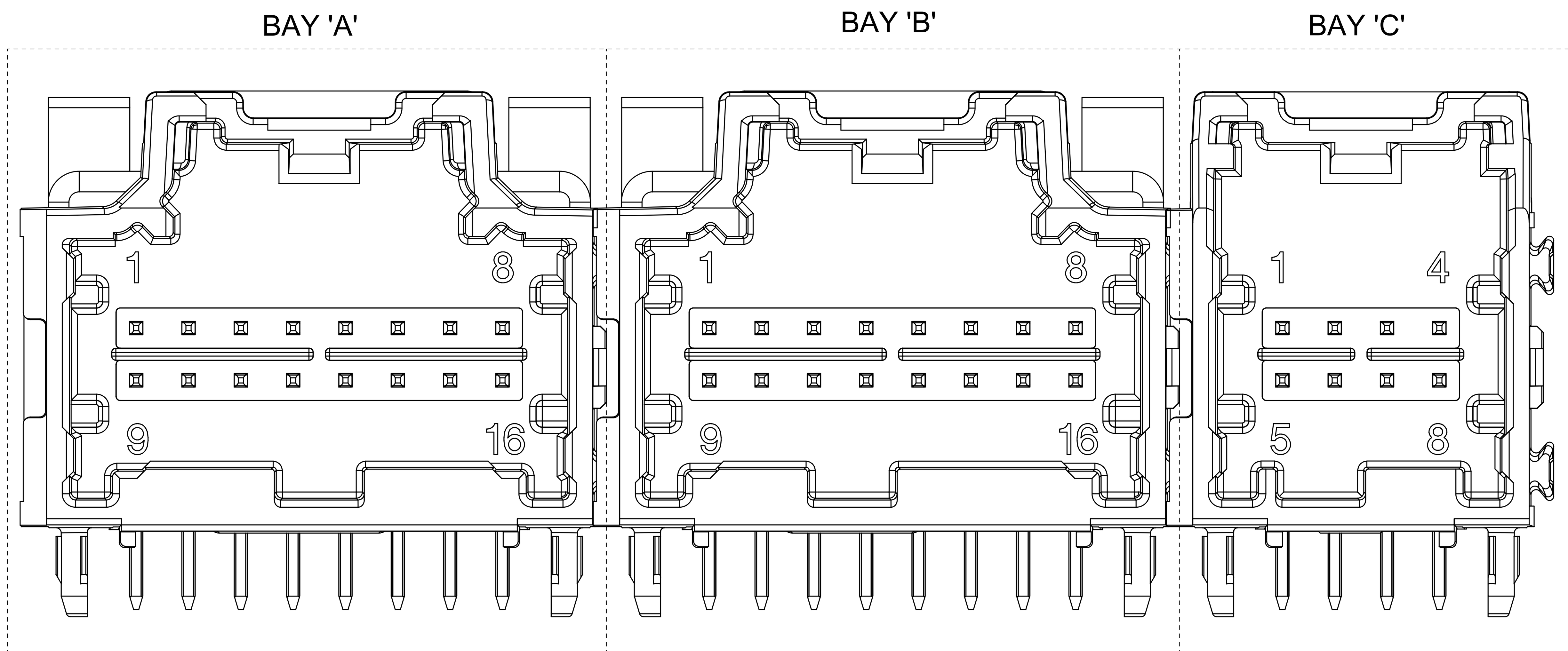
3-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY
(P/N: 34997-3000 SHOWN)



L10 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 CKT HYBRID PRODUCT SPEC: PS-31372-100
14 CKT HYBRID PRODUCT SPEC: PS-34969-100
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
HOUSING COLOR:
BLACK - POLARIZATION 'A'
GREY - POLARIZATION 'B'
BROWN - POLARIZATION 'C'
GREEN - POLARIZATION 'D'
b. 0.64mm PINS:
BASE MATERIAL: COPPER ALLOY
PLATING TYPE: AS NOTED
c. 1.5/2.8mm BLADES:
BASE MATERIAL: COPPER ALLOY
PLATING TYPE: AS NOTED

3. PLATING REQUIREMENTS:

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

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

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

REV.	REV. DESCRIPTION	EC#	DATE
L10	1. UPDATED NOTES 2. ADDED NEW P/NS 34997-3017 AND 34997-3018 IN DIMENSIONAL CHART IN SHEET 2	662725	2021.05
L9	1. DIEMNTIONAL CHART WAS IN SHEET 1 2. 10/14 CKT HYBRID SPEC WAS PS-34696-100 IN NOTES 1a SHEET 1 3. ADDED P/N 34997-3015 10B+20A+20B IN SHEET 2 4. ADDED P/N 34997-3016 12A+20C+12B IN SHEET 2	645306	2020.09

INSPECTION BALLOON NUMBER LOG

PER DRAWING REVISION: L10

LAST BALLOON NUMBER USED: 55

ADDED BALLOON NUMBERS:

REMOVED BALLOON NUMBERS: 9, 10, 11, 12, 56, 57, 58, 59, 60, 61, 62, 63

SYMBOLS: FA = 0; FC = 0; FP = 0; S = 0; ▼ = 0; C = 0; ☒ = 0; ■ = 0; C = 0

DIMENSION UNITS	SCALE
mm	5:1

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

CURRENT REV DESC:

EC NO: 662725
DRWN: CZHANG118 2021/04/28
CHK'D: JDENG02 2021/05/18
APPR: JDENG02 2021/05/18

INITIAL REVISION:
DRWN: JFISCHER01 2013/05/31
APPR: RBAUMAN 2013/06/04

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34997

molex

STAC64 3-BAY PAP R/A
LONG PIN HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34997-300	PSD	001	L10

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18	01:38:02

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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
TBD	34997-3014	10	HYBRID	A	16	0.64mm	B	20	0.64mm	C	94.76	92.29	27.94	22.86	27.94
TBD	34997-3015	10	HYBRID	B	20	0.64mm	A	20	0.64mm	B	99.84	97.37	27.94	27.94	27.94
TBD	34997-3016	12	0.64mm	A	20	0.64mm	C	12	0.64mm	B	79.52	77.05	17.78	27.94	17.78
L10 TBD	34997-3017	10	HYBRID	B	20	0.64mm	A	20	0.64mm	D	99.84	97.37	27.94	27.94	27.94
L10 TBD	34997-3018	12	0.64mm	B	20	0.64mm	C	12	0.64mm	A	79.52	77.05	17.78	27.94	17.78

FUNCTIONAL SYMBOLS
EA = 0
EC = 0
EP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

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

CURRENT REV DESC:

EC NO: 662725
DRWN: CZHANG118 2021/04/28
CHK'D: JDENG02 2021/05/18
APPR: JDENG02 2021/05/18

INITIAL REVISION:
DRWN: JFISCHER01 2013/05/31
APPR: RBAUMAN 2013/06/04

molex

STAC64 3-BAY PAP R/A
LONG PIN HEADER ASSEMBLY SALES DRAWING

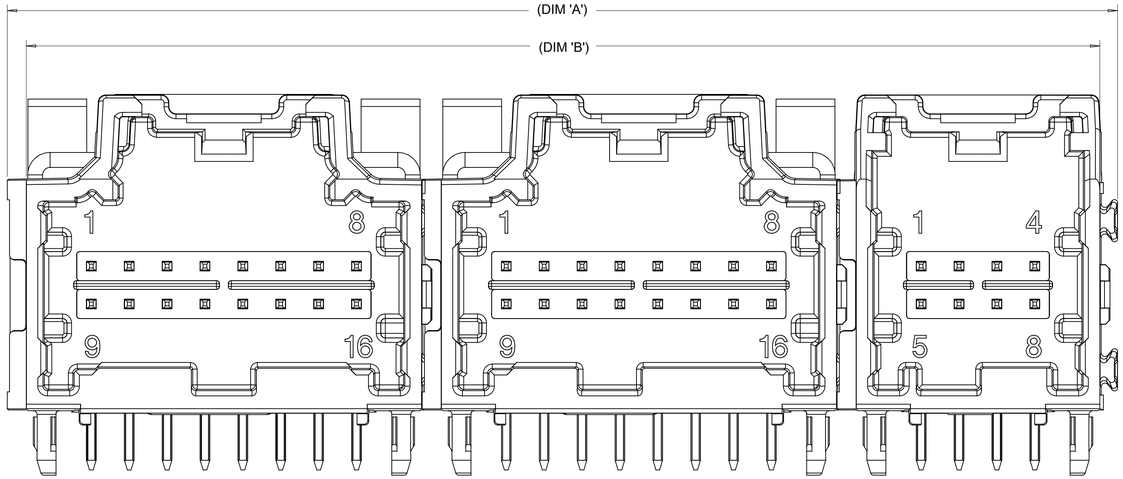
PRODUCT CUSTOMER DRAWING

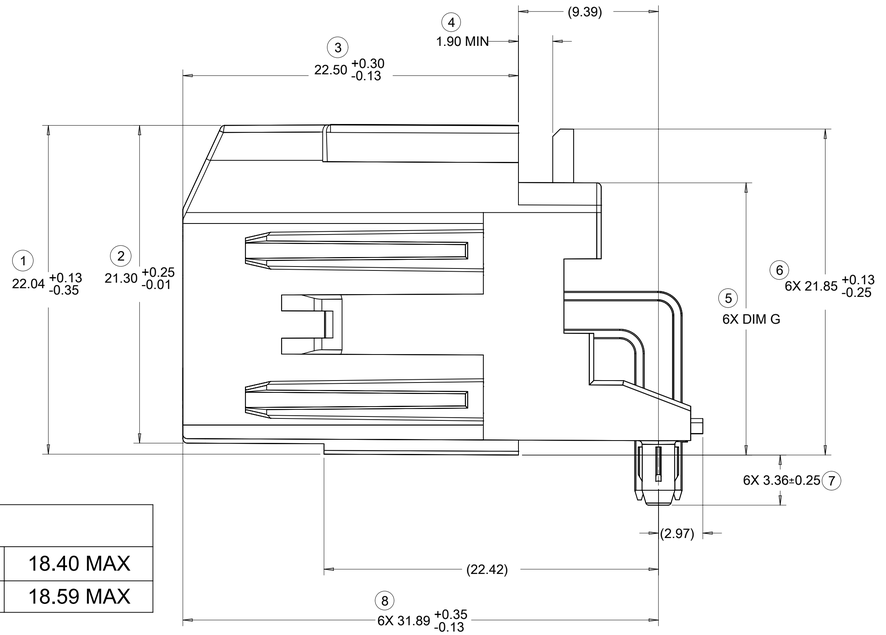
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34997-300	PSD	001	L10

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	D-SIZE	34997		GENERAL MARKET	2 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 01:38:02

TABLE OF CONTENTS	
3	3 BAY ASSEMBLY VIEW, RECOMMENDED PCB LAYOUT, FLUSH MOUNTING VIEW, POST HOLE TABLE, DIMENSION DETAILS

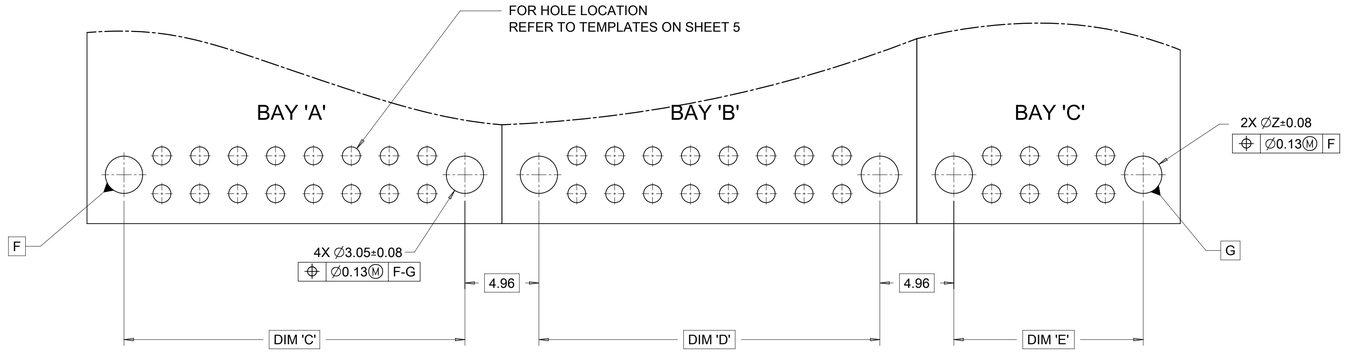




FOR DIM G:	
8-20CKT 0.64mm	18.40 MAX
10/14CKT Hybrid	18.59 MAX

RECOMMENDED PCB LAYOUT

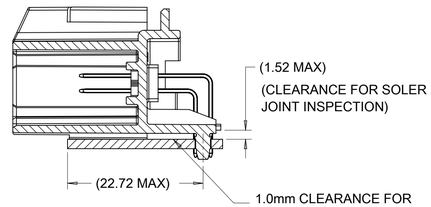
INSERT NECESSARY BAYS USING CHART ON SHEET 2



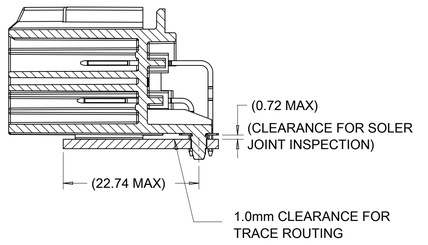
POST HOLE TABLE:

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

8-20CKT 0.64mm



10/14CKT HYRBID



FLUSH MOUNTING
HEADER-TO-PCB
SCALE 2:1

SYMBOLS	
FA	= 0
FC	= 0
FB	= 0
S	= 0
	= 0
C	= 0
	= 0
	= 0
V	= 0

DIMENSION UNITS	SCALE
mm	5:1

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

CURRENT REV DESC:

EC NO: 662725
DRWN: CZHANG118 2021/04/28
CHK'D: JDENG02 2021/05/18
APPR: JDENG02 2021/05/18

INITIAL REVISION:
DRWN: JFISCHER01 2013/05/31
APPR: RBAUMAN 2013/06/04

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 34997

molex

STAC64 3-BAY PAP R/A
LONG PIN HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34997-300	PSD	001	L10

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	3 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 01:38:02

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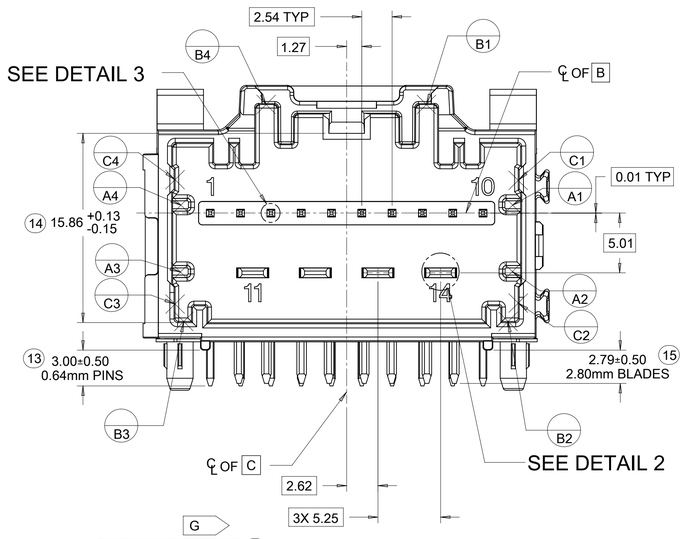
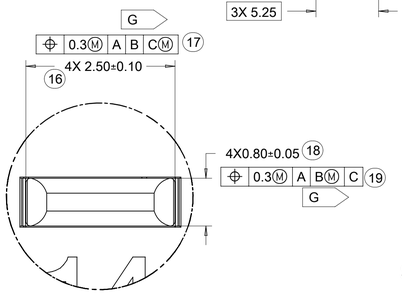
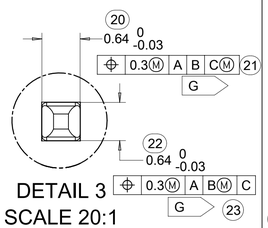
4	8-20CKT 0.64MM HEADER DETAILS, 14CKT HYBRID HEADER DETAILS, 10CKT HYBRID HEADER DETAILS

14 CKT STAC HYBRID HEADER DETAILS

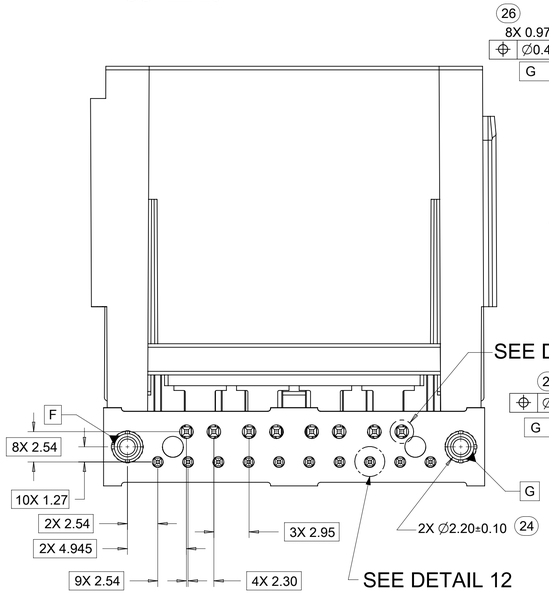




DETAIL 2
SCALE 20:1



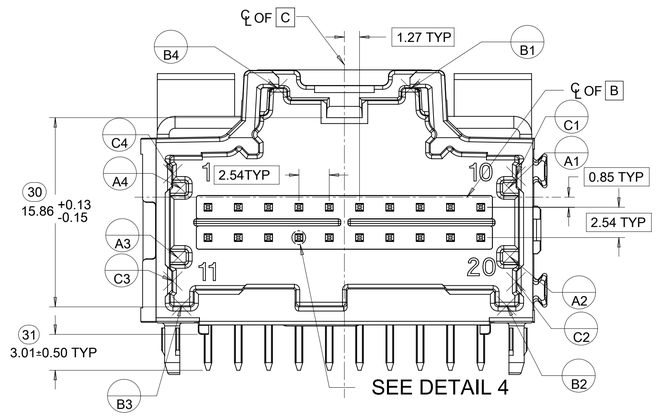
DETAIL 3
SCALE 20:1

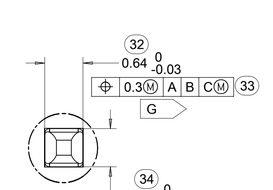


DETAIL 11
SCALE 15:1

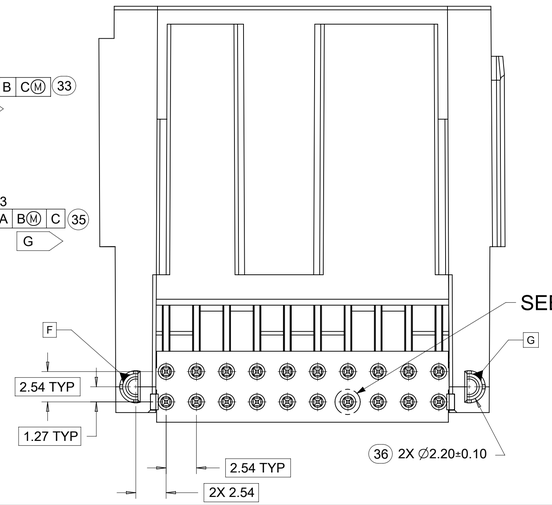
DETAIL 12
SCALE 15:1

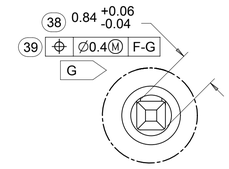
8-20CKT STAC64 HEADER DETAILS





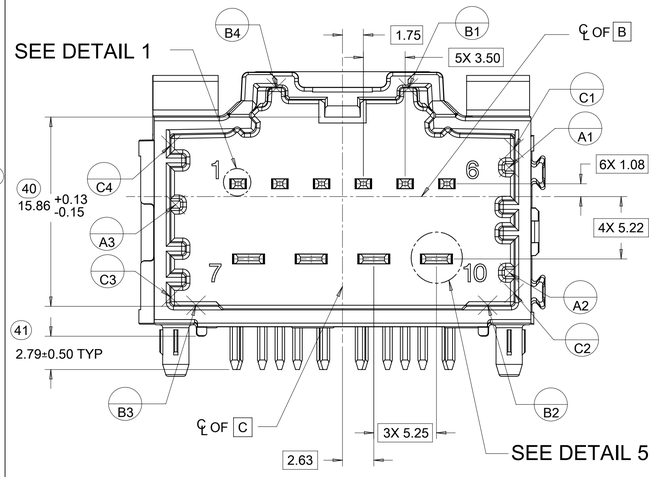
DETAIL 4
SCALE 20:1

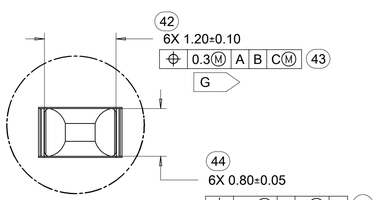




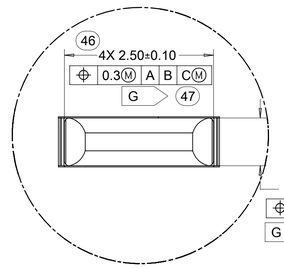
DETAIL 6
SCALE 15:1

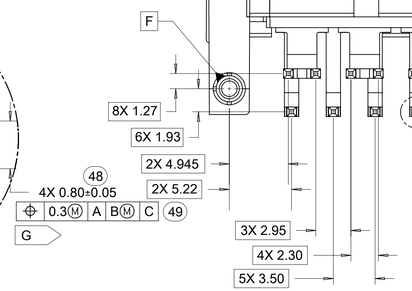
10CKT STAC HYBRID HEADER DETAILS





DETAIL 1
SCALE 20:1





DETAIL 5
SCALE 20:1

DETAIL 7
SCALE 15:1

DETAIL 8
SCALE 15:1

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
A = 0	DIMENSION UNITS: mm	SCALE: 4:1	CURRENT REV DESC:	molex	
B = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
C = 0	ANGULAR TOL ± 1.0 °		EC NO: 662725	STAC64 3-BAY PAP R/A	
D = 0	4 PLACES ±		DRWN: CZHANG118 2021/04/28	LONG PIN HEADER ASSEMBLY SALES DRAWING	
E = 0	3 PLACES ±		CHK'D: JDENG02 2021/05/18		
F = 0	2 PLACES ± 0.13		APPR: JDENG02 2021/05/18	PRODUCT CUSTOMER DRAWING	
G = 0	1 PLACE ± 0.25		INITIAL REVISION:	DOCUMENT NUMBER: SD-34997-300	DOC TYPE: PSD / DOC PART: 001 / REVISION: L10
H = 0	0 PLACES ±		DRWN: JFISCHER01 2013/05/31		
J = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPR: RBAUMAN 2013/06/04		
	THIRD ANGLE PROJECTION	DRAWING: D-SIZE	SERIES: 34997	MATERIAL NUMBER: SEE CHART	CUSTOMER: GENERAL MARKET / SHEET NUMBER: 4 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 01:38:02

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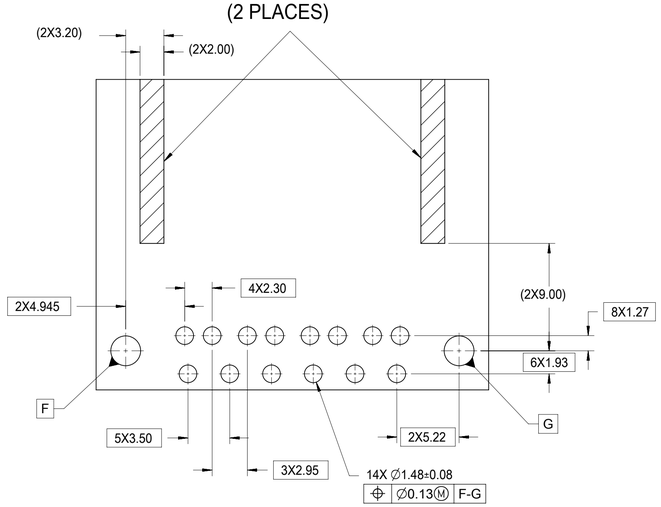
5	RECOMMENDED SINGLE PCB LAYOUT FOR 10CKT HYBRID, 14CKT HYBRID, AND 8-20CKT 0.64MM

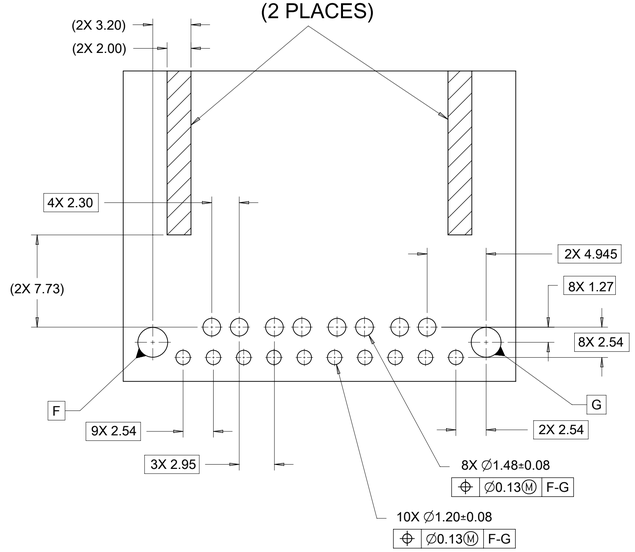
10 CKT HYBRID TEMPLATE PCB LAYOUT

HEADER TO PCB CONTACT REGION (2 PLACES)



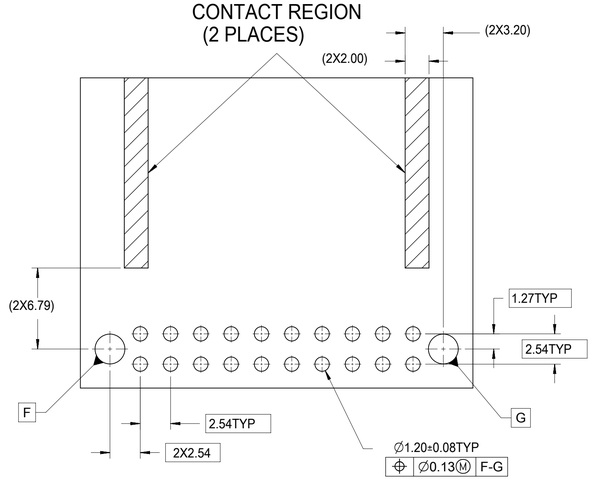
14 CKT HYBRID TEMPLATE PCB LAYOUT

HEADER TO PCB CONTACT REGION (2 PLACES)



8-20CKT 0.64mm TEMPLATE PCB LAYOUT

HEADER TO PCB CONTACT REGION (2 PLACES)



SYMBOLS	
A = 0	
E = 0	
F = 0	
S = 0	
= 0	
C = 0	
= 0	
= 0	
= 0	

DIMENSION UNITS	SCALE
mm	4:1

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

CURRENT REV DESC:

EC NO: 662725
DRWN: CZHANG118 2021/04/28
CHK'D: JDENG02 2021/05/18
APPR: JDENG02 2021/05/18

INITIAL REVISION:
DRWN: JFISCHER01 2013/05/31
APPR: RBAUMAN 2013/06/04

molex

STAC64 3-BAY PAP R/A
LONG PIN HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

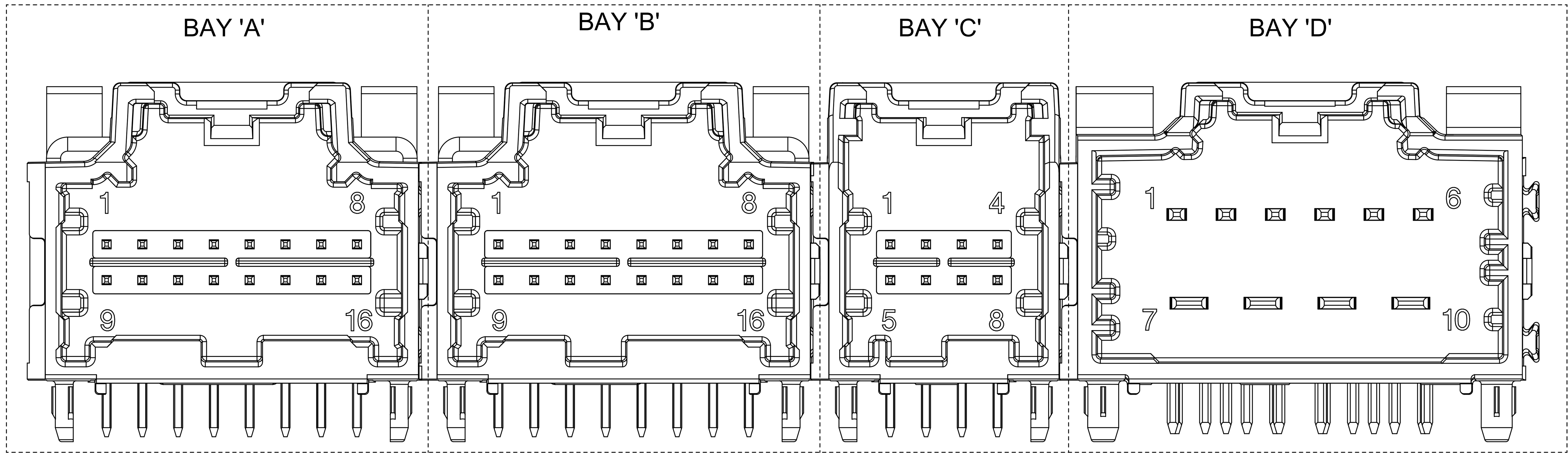
THIRD ANGLE PROJECTION	DRAWING	SERIES
	D-SIZE	34997

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34997-300	PSD	001	L10

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	5 OF 5

DOCUMENT STATUS	P1	RELEASE DATE	2021/05/18 01:38:02

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 REQUIRMENTS:

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.

QUALITY SYMBOLS	
FA	= 0
FC	= 0
FP	= 0
▼	= 0
C	= 0
☒	= 0
■	= 0
C	= 0

EC NO: 612618 2019/02/22
DRWN: SHANDITHAVAL 2019/02/23
CHK'D: RBAUMAN 2019/02/23
APPR: RBAUMAN 2019/02/23

REV: C8

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	SCALE
mm	4:1
DRWN BY: JFISCHER01	DATE: 2013/05/31
CHK'D BY	DATE
APPR BY: RBAUMAN	DATE: 2013/06/04
DRAWING SIZE: A1	THIRD ANGLE PROJECTION

STAC64 4-BAY PAP R/A
LONG PIN HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34997	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34997-400	PSD	001	1 OF 5

RELEASE STATUS	P1	RELEASE DATE	2019/02/23 23:33:07

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

QUALITY SYMBOLS

= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0

EC NO: 612618
DRWN: SHANDITHAVAL 2019/02/22
CHK'D: RBAUMAN 2019/02/23
APPR: RBAUMAN 2019/02/23

REV: C8

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: 1:1
DRWN BY: JFISCHER01 DATE: 2013/05/31
CHK'D BY: DATE:
APPR BY: RBAUMAN DATE: 2013/06/04
DRAWING SIZE: A1
THIRD ANGLE PROJECTION

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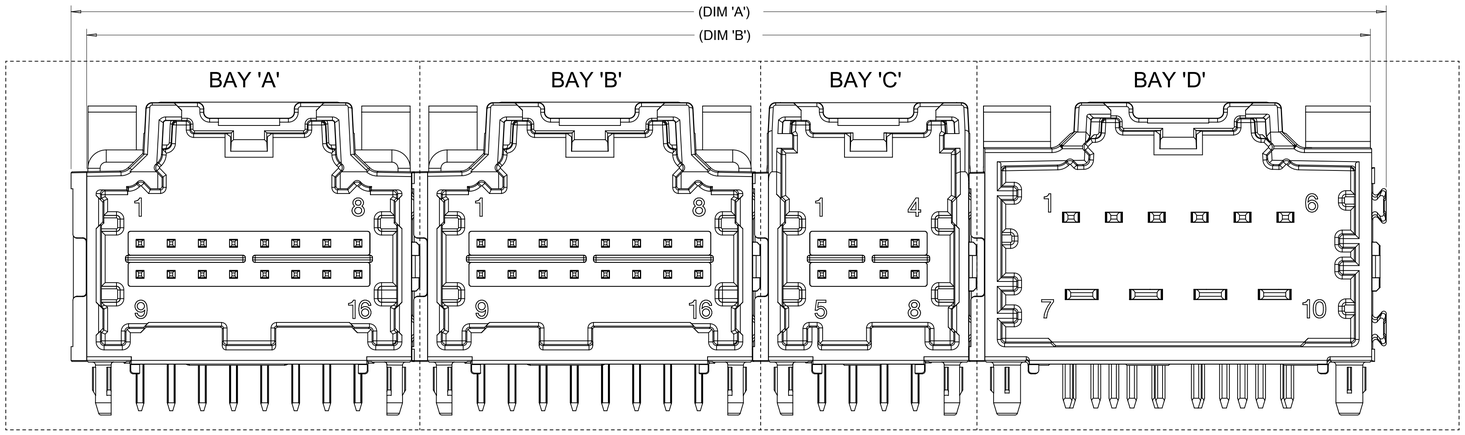
STAC64 4-BAY PAP R/A
LONG PIN HEADER ASSEMBLY SALES DRAWING

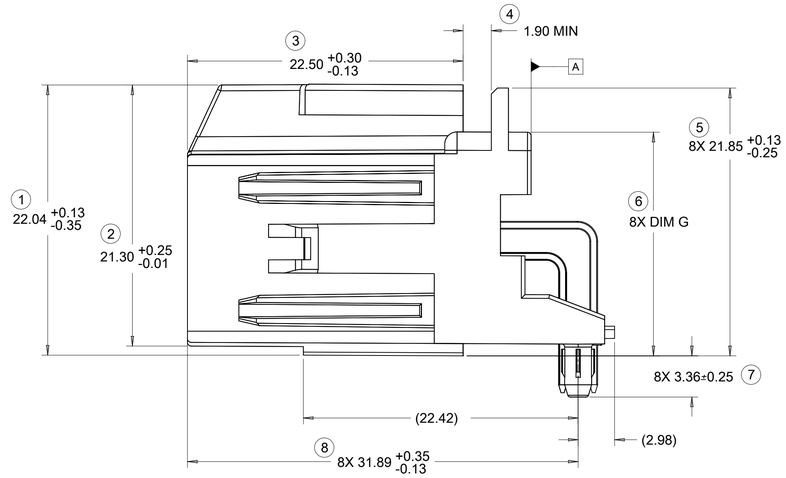
PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34997	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34997-400	PSD	001	2 OF 5

RELEASE STATUS	P1	RELEASE DATE	2019/02/23 23:33:07





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

RECOMMENDED PCB LAYOUT

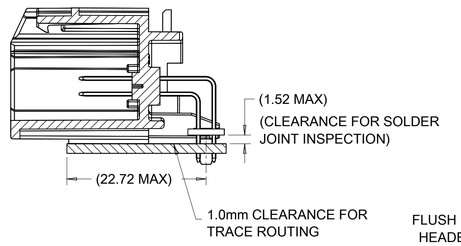
INSERT NECESSARY BAYS USING CHART ON SHEET 2

SCALE 4:1

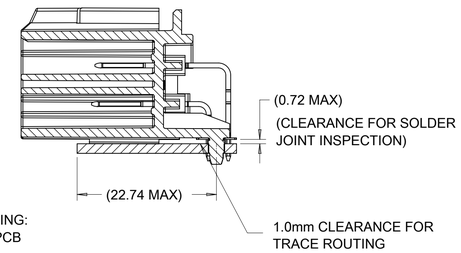
POST HOLE TABLE:

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	
FA	= 0
FE	= 0
FP	= 0
	= 0
C	= 0
	= 0
	= 0
C	= 0

EC NO: 612618
DRWN: SHANDITHAVAL 2019/02/22
CHK'D: RBAUMAN 2019/02/23
APPR: RBAUMAN 2019/02/23

REV: C8

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	SCALE
mm	4:1
DRWN BY	DATE
JFISCHER01	2013/05/31
CHK'D BY	DATE
APPR BY	DATE
RBAUMAN	2013/06/04
DRAWING SIZE	THIRD ANGLE PROJECTION
A1	

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STAC64 4-BAY PAP R/A
LONG PIN HEADER ASSEMBLY SALES DRAWING

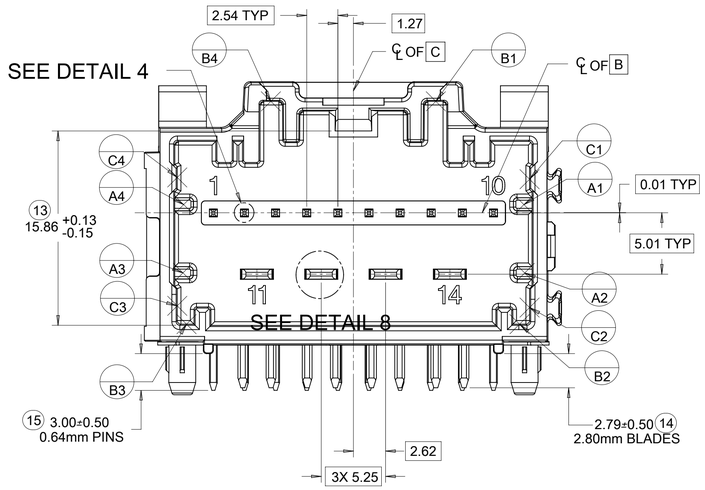
PRODUCT CUSTOMER DRAWING

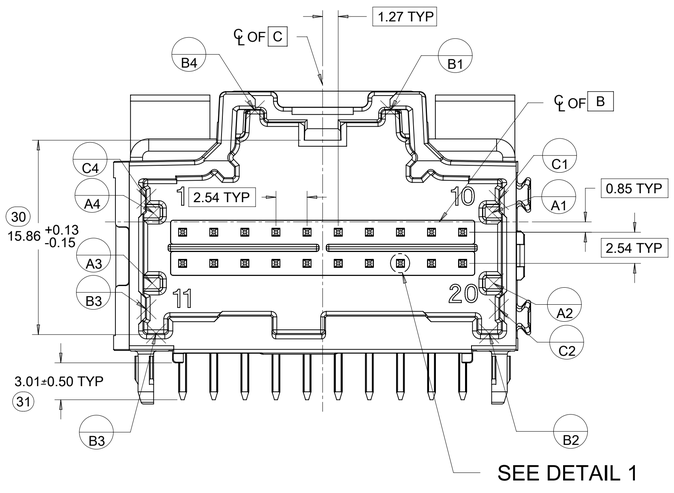
SERIES	MATERIAL NUMBER	CUSTOMER
34997	SEE CHART	GENERAL MARKET

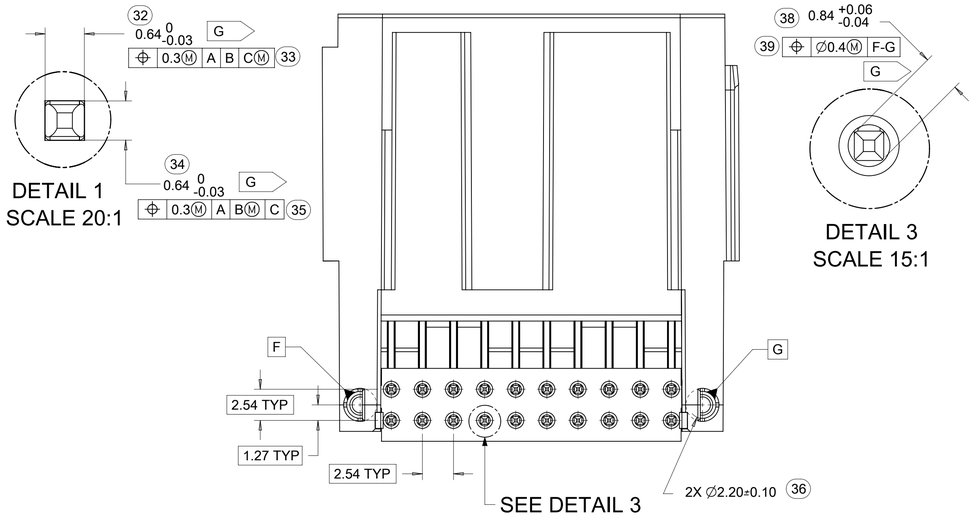
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34997-400	PSD	001	3 OF 5

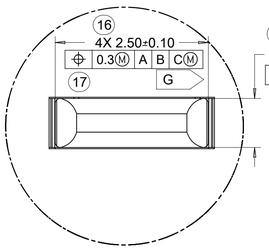
RELEASE STATUS	P1	RELEASE DATE	2019/02/23 23:33:07

14 CKT STAC HYBRID HEADER DETAILS

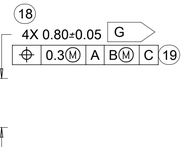


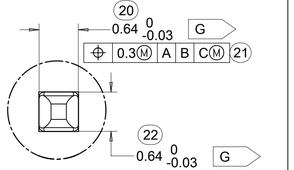




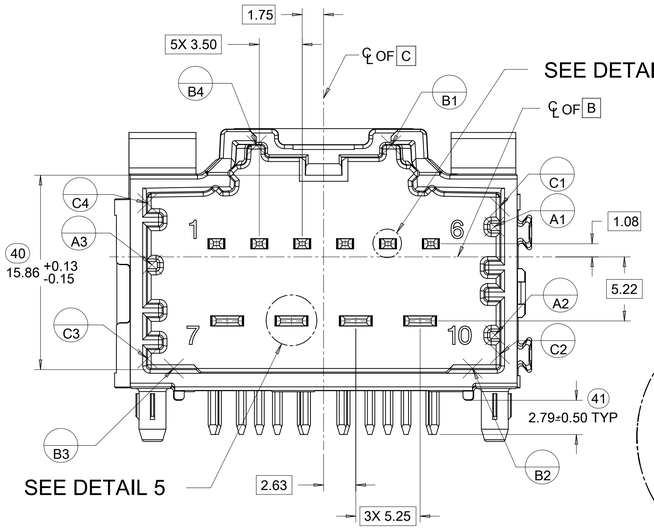


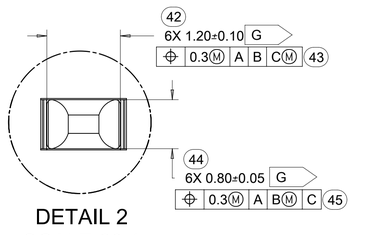
DETAIL 8
SCALE 20:1



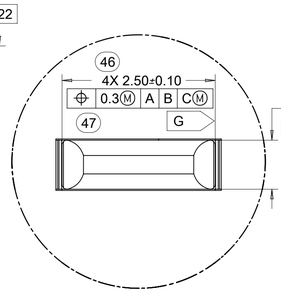


DETAIL 4
SCALE 20:1

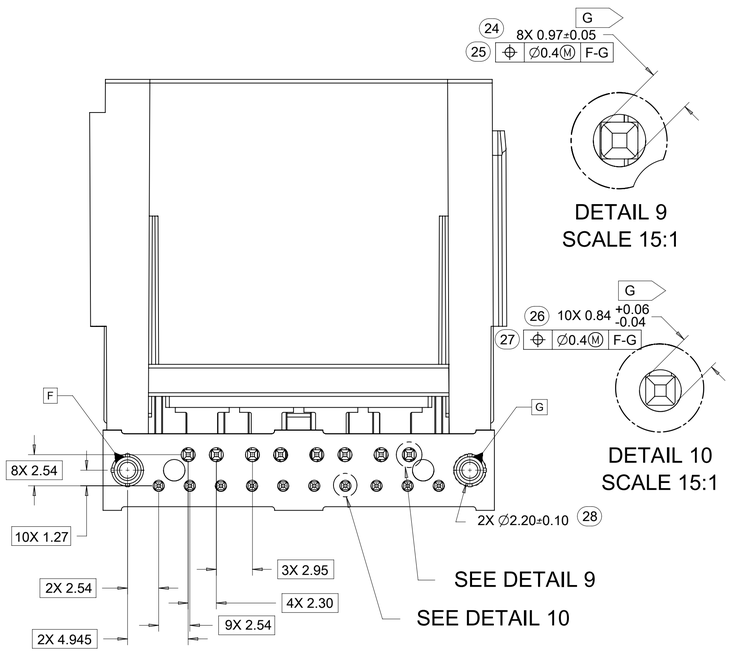




DETAIL 2
SCALE 20:1



DETAIL 5
SCALE 20:1



QUALITY SYMBOLS	
E/A	= 0
E/C	= 0
E/P	= 0
	= 0
C	= 0
	= 0
	= 0
C	= 0

EC NO: 612618
DRWN: SHANDITHAVAL 2019/02/22
CHK'D: RBAUMAN 2019/02/23
APPR: RBAUMAN 2019/02/23

REV: C8

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
CHK'D BY	
DATE	
APPR BY	RBAUMAN
DATE	2013/06/04
DRAWING SIZE	A1
THIRD ANGLE PROJECTION	

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STAC64 4-BAY PAP R/A
LONG PIN HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

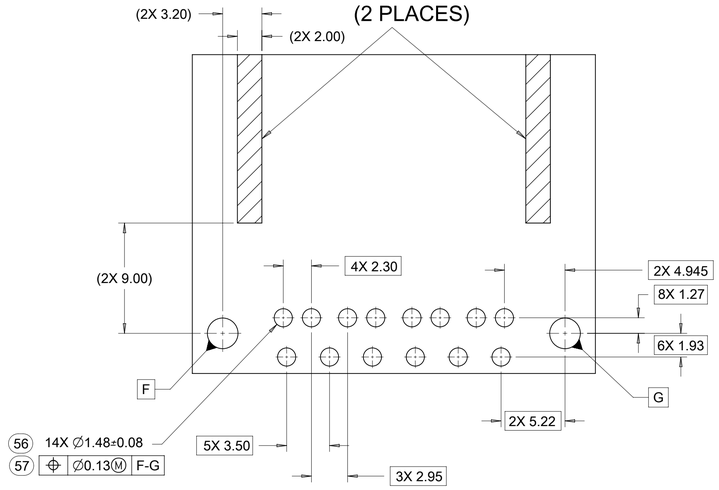
SERIES	MATERIAL NUMBER	CUSTOMER
34997	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34997-400	PSD	001	4 OF 5

RELEASE STATUS	P1	RELEASE DATE	2019/02/23 23:33:07

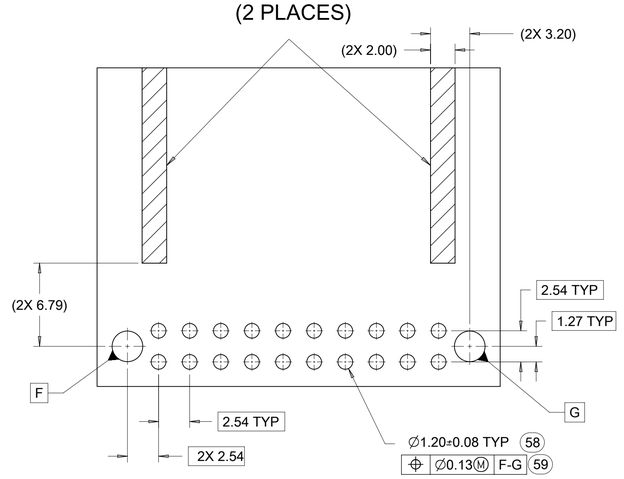
10 CKT HYBRID TEMPLATE
PCB LAYOUT

HEADER TO PCB
CONTACT REGION
(2 PLACES)



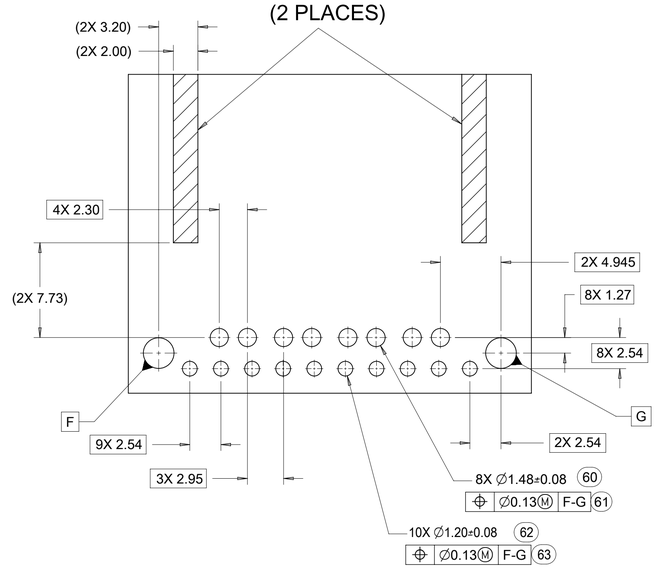
8-20CKT 0.64mm TEMPLATE
PCB LAYOUT

HEADER TO PCB
CONTACT REGION
(2 PLACES)



14 CKT HYBRID TEMPLATE
PCB LAYOUT

HEADER TO PCB
CONTACT REGION
(2 PLACES)



QUALITY SYMBOLS	
▽A	= 0
▽E	= 0
▽D	= 0
▼	= 0
▽C	= 0
☒	= 0
■	= 0
▽B	= 0

EC NO: 612618
DRWN: SHANDITHAVAL 2019/02/22
CHK'D: RBAUMAN 2019/02/23
APPR: RBAUMAN 2019/02/23
REV: C8

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
CHK'D BY	
DATE	
APPR BY	RBAUMAN
DATE	2013/06/04
DRAWING SIZE	A1
	THIRD ANGLE PROJECTION

molex®

STAC64 4-BAY PAP R/A
LONG PIN HEADER ASSEMBLY SALES DRAWING

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
34997	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-34997-400	PSD	001	5 OF 5

RELEASE STATUS	P1	RELEASE DATE	2019/02/23 23:33:07