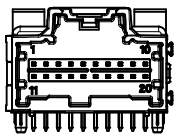
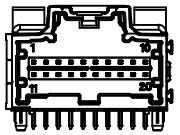
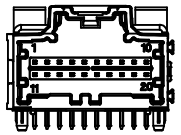


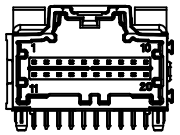
POLARIZATION OPTION A
P/N 34691-0200



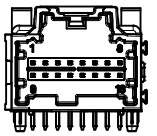
POLARIZATION OPTION B
P/N 34691-0201



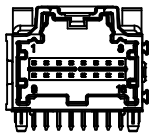
POLARIZATION OPTION C
P/N 34691-0202



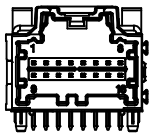
POLARIZATION OPTION D
P/N 34691-0203



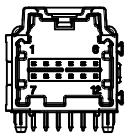
POLARIZATION OPTION A
P/N 34691-0160



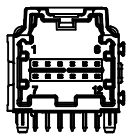
POLARIZATION OPTION B
P/N 34691-0161



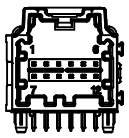
POLARIZATION OPTION C
P/N 34691-0162



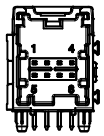
POLARIZATION OPTION A
P/N 34691-0120



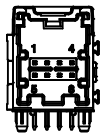
POLARIZATION OPTION B
P/N 34691-0121



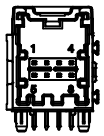
POLARIZATION OPTION C
P/N 34691-0122



POLARIZATION OPTION A
P/N 34691-0080



POLARIZATION OPTION B
P/N 34691-0081



POLARIZATION OPTION C
P/N 34691-0082

MATERIAL NUMBER			CKT SIZE	DESCRIPTION	POL	COLOR
TRAY PACKAGING PK-31300-892	TUBE PACKAGING PK-31301-063	ALT TRAY PACK PK-31300-894				
34691-0200	34691-9200	34691-9204	20	STAC64 RIGHT ANGLE HEADER ASSEMBLY	A	BLACK
34691-0201	34691-9201	TBD	20	STAC64 RIGHT ANGLE HEADER ASSEMBLY	B	GREY
34691-0202	34691-9202	TBD	20	STAC64 RIGHT ANGLE HEADER ASSEMBLY	C	BROWN
34691-0203	34691-9203	TBD	20	STAC64 RIGHT ANGLE HEADER ASSEMBLY	D	GREEN
34691-0160	34691-9160	TBD	16	STAC64 RIGHT ANGLE HEADER ASSEMBLY	A	BLACK
34691-0161	34691-9161	TBD	16	STAC64 RIGHT ANGLE HEADER ASSEMBLY	B	GREY
34691-0162	34691-9162	TBD	16	STAC64 RIGHT ANGLE HEADER ASSEMBLY	C	BROWN
34691-0120	34691-9120	TBD	12	STAC64 RIGHT ANGLE HEADER ASSEMBLY	A	BLACK
34691-0121	34691-9121	TBD	12	STAC64 RIGHT ANGLE HEADER ASSEMBLY	B	GREY
34691-0122	34691-9122	TBD	12	STAC64 RIGHT ANGLE HEADER ASSEMBLY	C	BROWN
34691-0080	34691-9080	TBD	8	STAC64 RIGHT ANGLE HEADER ASSEMBLY	A	BLACK
34691-0081	34691-9081	TBD	8	STAC64 RIGHT ANGLE HEADER ASSEMBLY	B	GREY
34691-0082	34691-9082	TBD	8	STAC64 RIGHT ANGLE HEADER ASSEMBLY	C	BROWN

NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:

a. CONNECTOR HEADER MUST BE VALIDATED TO THE FOLLOWING FUNCTIONAL REQUIREMENTS:
POLARIZATION FEATURE EFFECTIVENESS = SEE PRODUCT SPECIFICATION
PIN RETENTION = USCAR-2 REV 4
SOLDERABILITY = SMES-152

b. APPLICATION REQUIREMENTS (REFERENCE ONLY) FOR:
SEE APPLICATION SPECIFICATION = AS-34729-020/AS-31408-100
SEE PRODUCT SPECIFICATION = PS-34729-020/PS-31408-100

c. PACKAGING SPECIFICATION: SEE CHART

2. DESIGN: MATERIALS:

a. SHROUD (PLASTIC HOUSING):
RESIN - SPS 30%GF - 20% REGRIND MAX. BY WEIGHT

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

c. PIN ALIGNMENT PLATE: MYLAR

3. PLATING REQUIREMENTS:

a. UNDERPLATING - OVERALL NICKEL

b. OVERPLATING - OVERALL TIN

4. INTERFACE: USCAR
064-U-008-2-Z02
064-U-012-2-Z03
064-U-016-2-Z05
064-U-020-2-Z02
SOME CHAMFERS HAVE BEEN MODIFIED TO IMRPROVE POLARIZATION EFFECTIVENESS. SEE AS-34729-002/AS-31408-100.

UPDATED DIMENSIONS
EC NO: UAU2017-1044 2017/05/11
DRWN: JFISCHER01 2017/05/15
CHKD:
APPR: RBAUMAN
REV — DESCRIPTION

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	MBAILEY	10/02/06
CHECKED BY	CDILLON	04/18/07
APPROVED BY	SMARCEAU	2010/11/04
MATERIAL NO.	SEE CHART	

TITLE: STAC64 SINGLE BAY RIGHT ANGLE ASSEMBLY SALES DRAWING

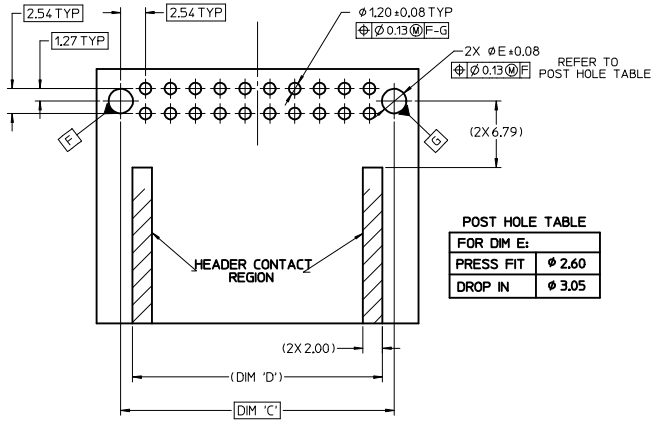
MOLEX INCORPORATED

DOCUMENT NO.: SD-34691-100
SHEET NO.: 1 OF 2

SIZE: D

CKT SIZE	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
20	34.04	31.57	27.94	25.54
16	28.96	26.49	22.86	20.46
12	23.88	21.41	17.78	15.38
8	18.80	16.53	12.70	10.30

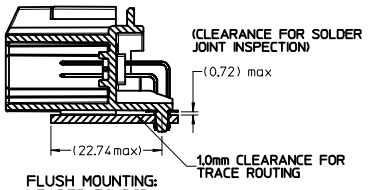
RECOMMENDED PCB LAYOUT



CONNECTOR MATE SIDE

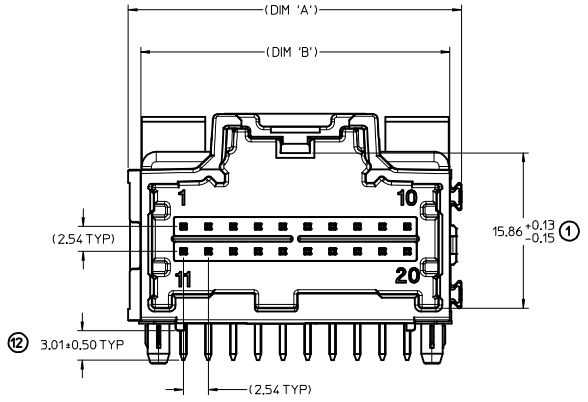
POST HOLE TABLE

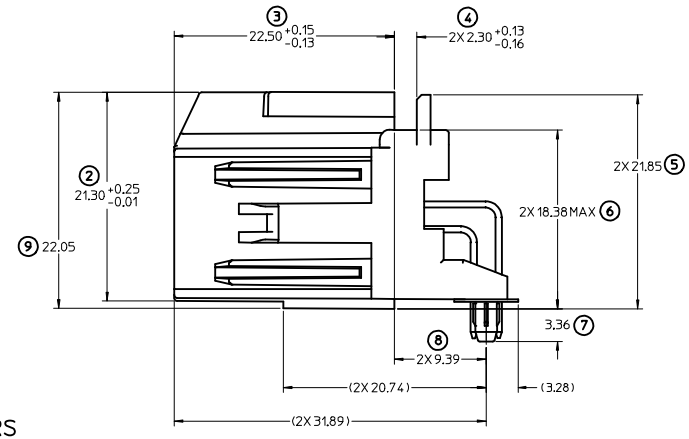
FOR DIM E:	
PRESS FIT	Ø 2.60
DROP IN	Ø 3.05



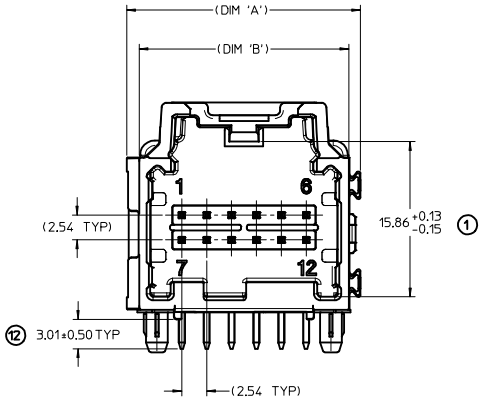
FLUSH MOUNTING: HEADER-TO-PCB SCALE 2:1

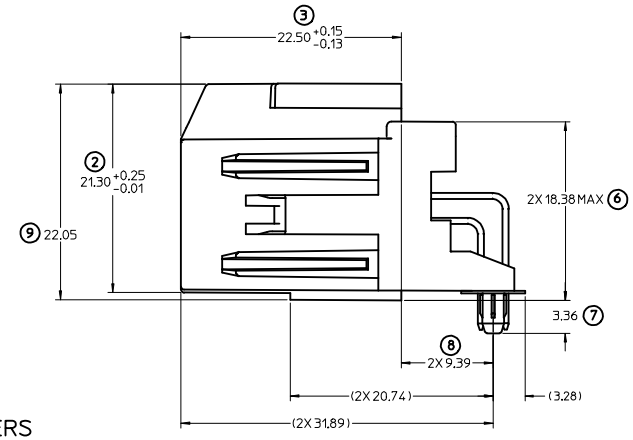
RECOMMENDED FOR WAVE SOLDER
FOR REFLOW CAPABLE PLASTIC PAP SEE:
SD-34691-600





LAYOUT FOR 16 & 20 CKT. HEADERS
(20 CKT. OPTION 'A' SHOWN)





LAYOUT FOR 8 & 12 CKT. HEADERS
(12 CKT. OPTION 'A' SHOWN)

UPDATED DIMENSIONS
EC NO: UAU2017-1044 2017/05/11
DRWN: JFISCHER01 2017/05/15
CHKD:
APPR: RBAUMAN
DESCRIPTION
REV: I

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

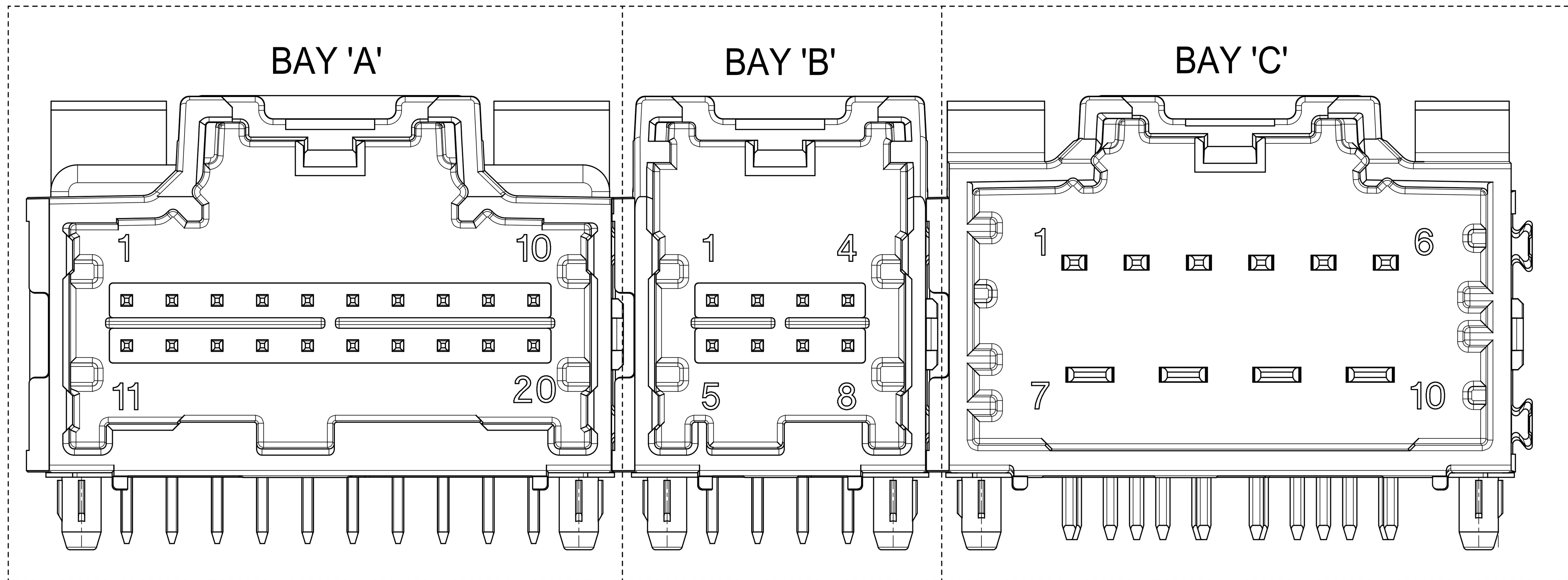
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: MBAILEY DATE: 10/02/06
CHECKED BY: CDILLON DATE: 04/18/07
APPROVED BY: SMARCEAU DATE: 2010/11/04
MATERIAL NO.: SEE CHART

TITLE: STAC64 SINGLE BAY RIGHT ANGLE ASSEMBLY SALES DRAWING
MOLEX INCORPORATED
DOCUMENT NO.: SD-34691-100
SHEET NO.: 2 OF 2
SIZE: D

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		
= 0	DIMENSION UNITS: mm	SCALE: 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	

CURRENT REV DESC:

EC NO:	176350	
DRWN:	SHANDITHAVAL	2018/05/07
CHK'D:	RBAUMAN	2018/05/08
APPR:	RBAUMAN	2018/05/08
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	U7

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	1 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2018/05/08	12:41:49

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

F = 0	
E = 0	
D = 0	
S = 0	
= 0	
C = 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: 176350
DRWN: SHANDITHAVAL 2018/05/07
CHK'D: RBAUMAN 2018/05/08
APPR: RBAUMAN 2018/05/08

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	U7

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	2 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2018/05/08 12:41:49

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	
A = 0	
C = 0	
D = 0	
S = 0	
= 0	
C = 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: 176350
DRWN: SHANDITHAVAL 2018/05/07
CHK'D: RBAUMAN 2018/05/08
APPR: RBAUMAN 2018/05/08

INITIAL REVISION:
DRWN: JDUNAJ 2009/03/10
APPR: SMARCEAU 2009/03/11

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

molex

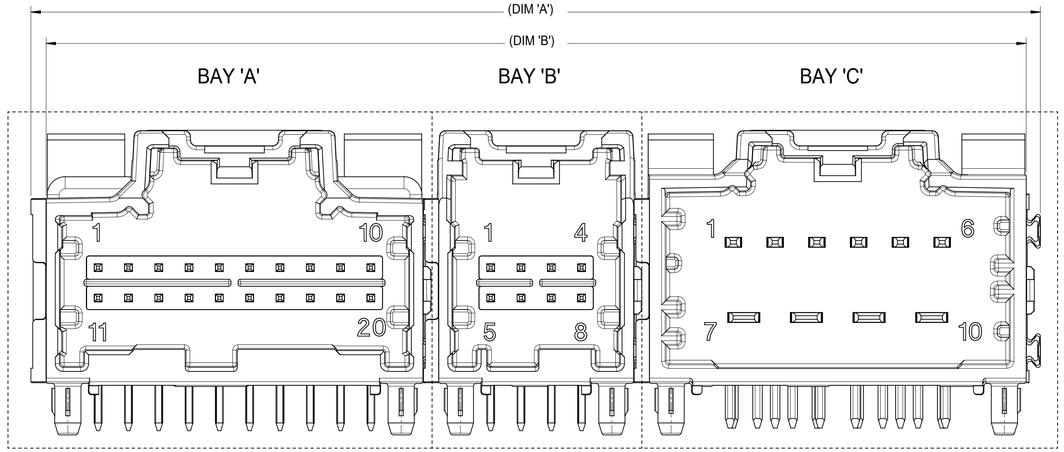
3-BAY STAC64 RIGHT ANGLE
HEADER ASSEMBLY SALES DRAWING

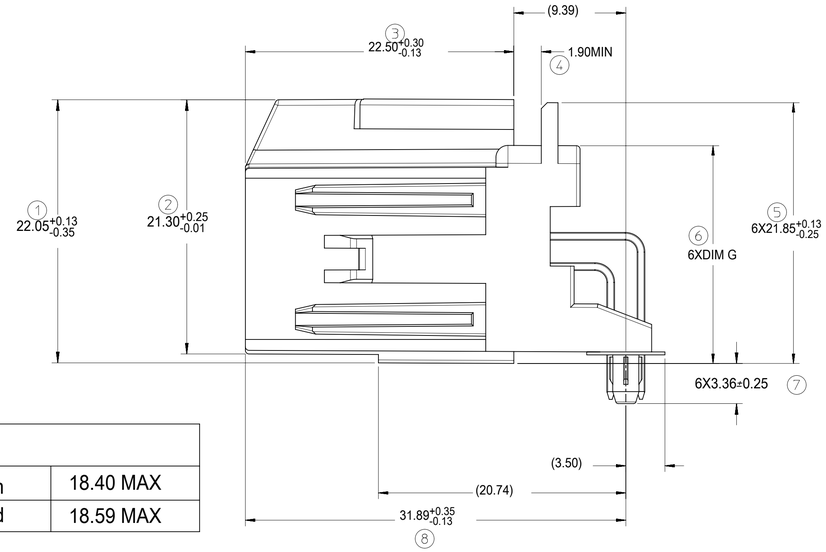
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34708-300	PSD	001	U7

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	6 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2018/05/08 12:41:49

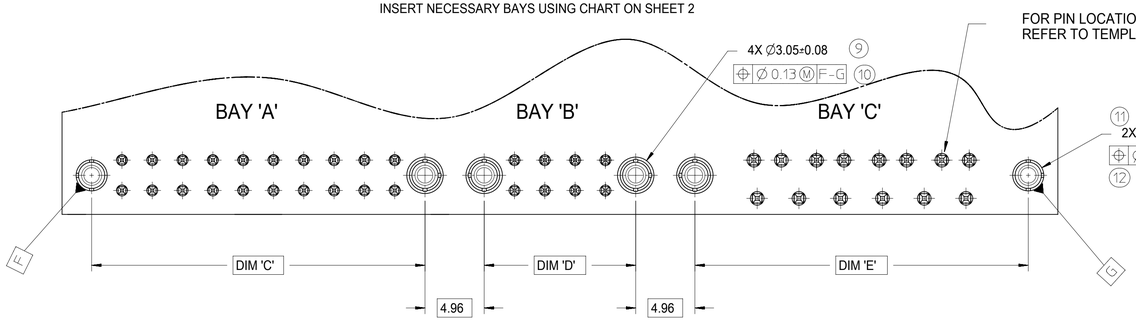




FOR DIM G:	
8-20CKT 0.64mm	18.40 MAX
10/14CKT Hybrid	18.59 MAX

RECOMMENDED PCB LAYOUT

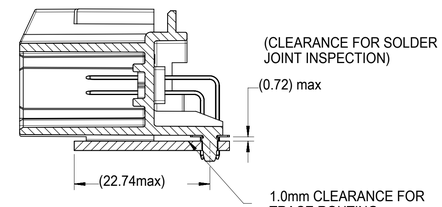
INSERT NECESSARY BAYS USING CHART ON SHEET 2



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
C = 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: 176350
DRWN: SHANDITHAVAL 2018/05/07
CHK'D: RBAUMAN 2018/05/08
APPR: RBAUMAN 2018/05/08

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

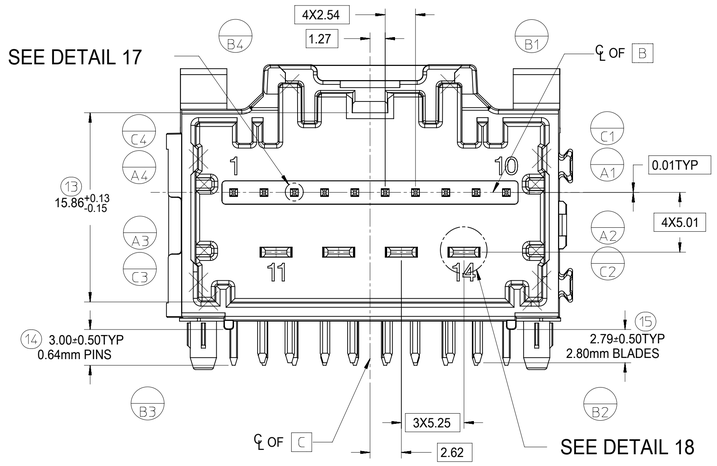
PRODUCT CUSTOMER DRAWING

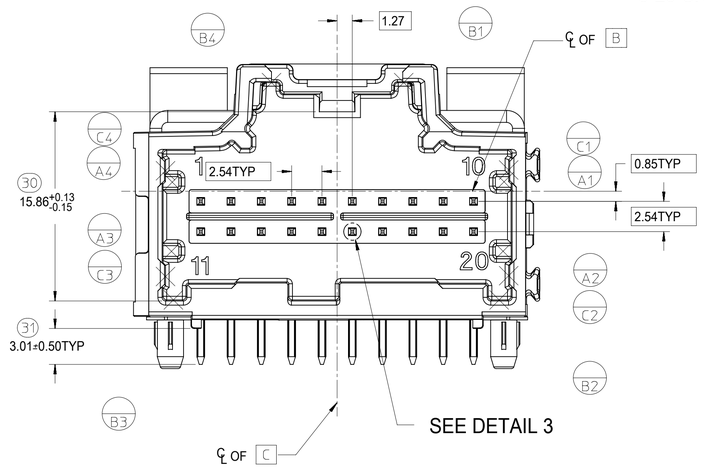
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34708-300	PSD	001	U7

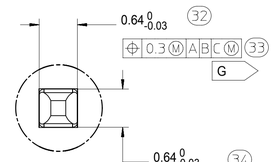
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	3 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2018/05/08 12:41:49

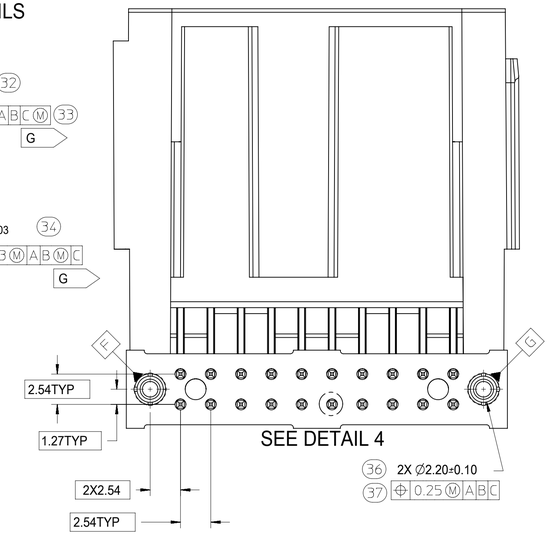
8-20 CKT 0.64mm HEADER DETAILS

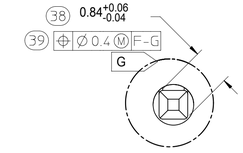




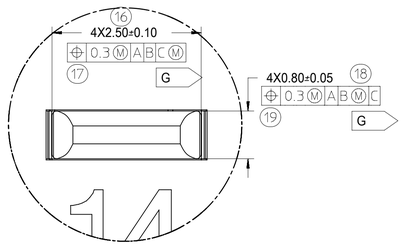


DETAIL 3
SCALE 20:1

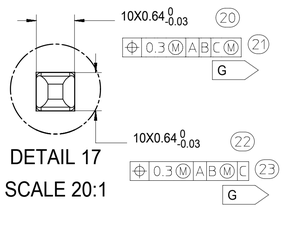




DETAIL 4
SCALE 15:1

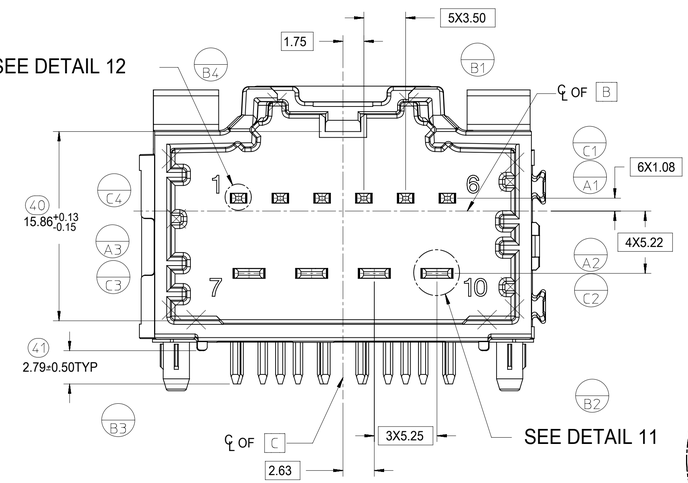


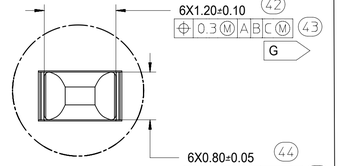
DETAIL 18
SCALE 20:1



DETAIL 17
SCALE 20:1

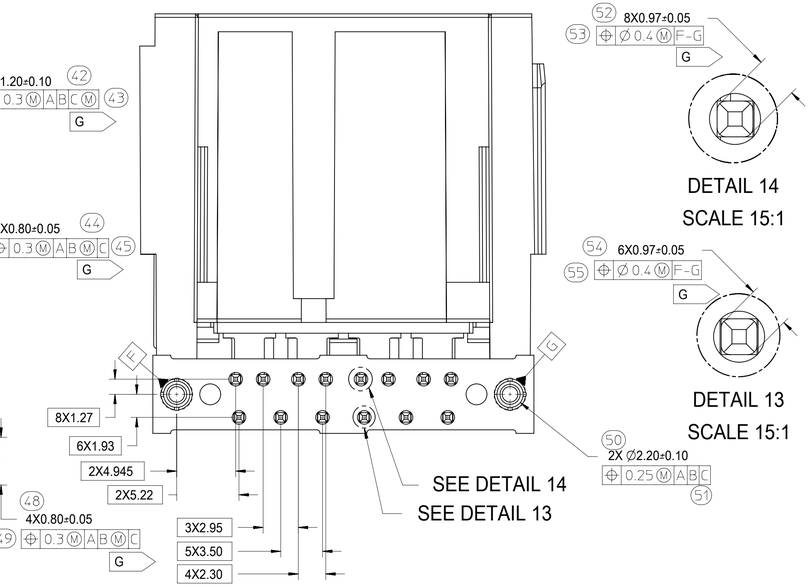
SEE DETAIL 12





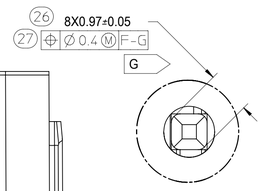
DETAIL 12
SCALE 20:1

DETAIL 11
SCALE 20:1



DETAIL 14
SCALE 15:1

DETAIL 13
SCALE 15:1



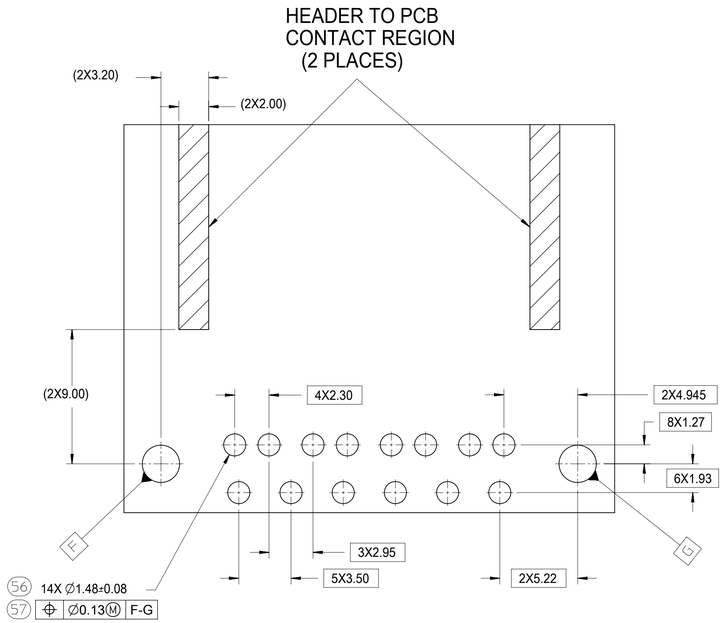
DETAIL 19
SCALE 15:1

DETAIL 20
SCALE 15:1

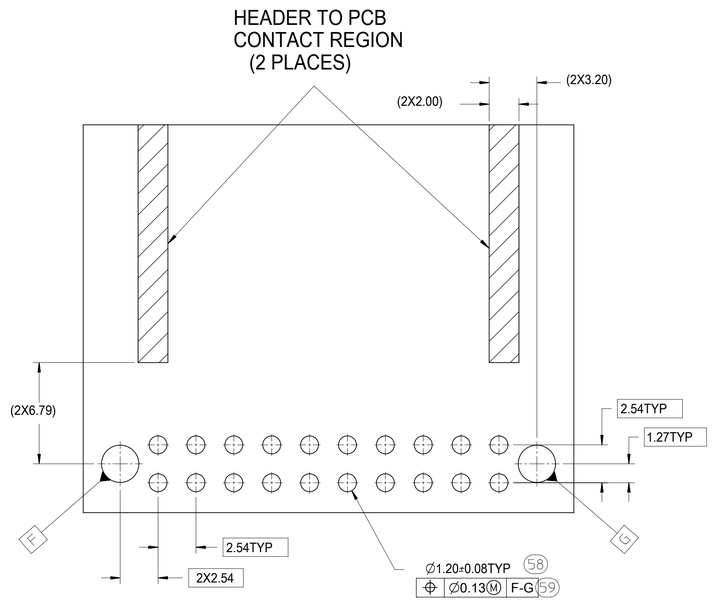
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
E = 0		DIMENSION UNITS: mm	SCALE: 1:1	CURRENT REV DESC:		molex	
E = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)					
E = 0		ANGULAR TOL ± 1.0 °				3-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING	
S = 0		4 PLACES ±		EC NO: 176350			
▼ = 0		3 PLACES ±		DRWN: SHANDITHAVAL	2018/05/07		
C = 0		2 PLACES ± 0.13		CHK'D: RBAUMAN	2018/05/08		
☒ = 0		1 PLACE ± 0.25		APPR: RBAUMAN	2018/05/08	PRODUCT CUSTOMER DRAWING	
■ = 0		0 PLACES ±		INITIAL REVISION:		DOCUMENT NUMBER: SD-34708-300	DOC TYPE: PSD / DOC PART: 001 / REVISION: U7
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	2018/05/08 12:41:49

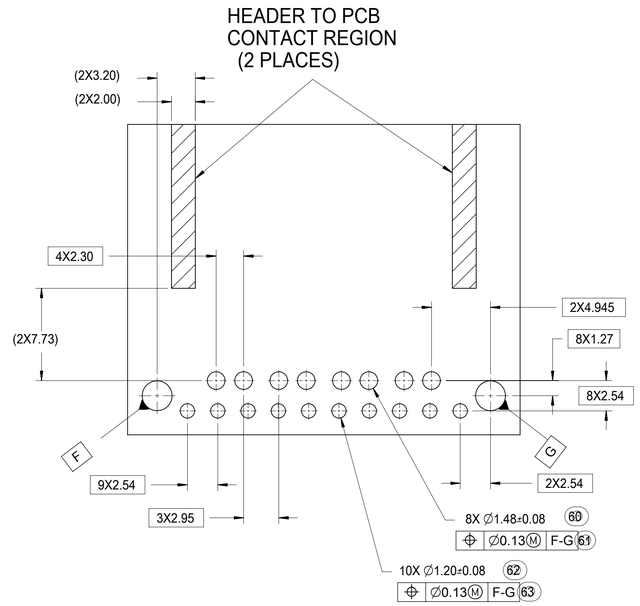
10 CKT HYBRID TEMPLATE PCB LAYOUT



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
=	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: 176350
DRWN: SHANDITHAVAL 2018/05/07
CHK'D: RBAUMAN 2018/05/08
APPR: RBAUMAN 2018/05/08

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

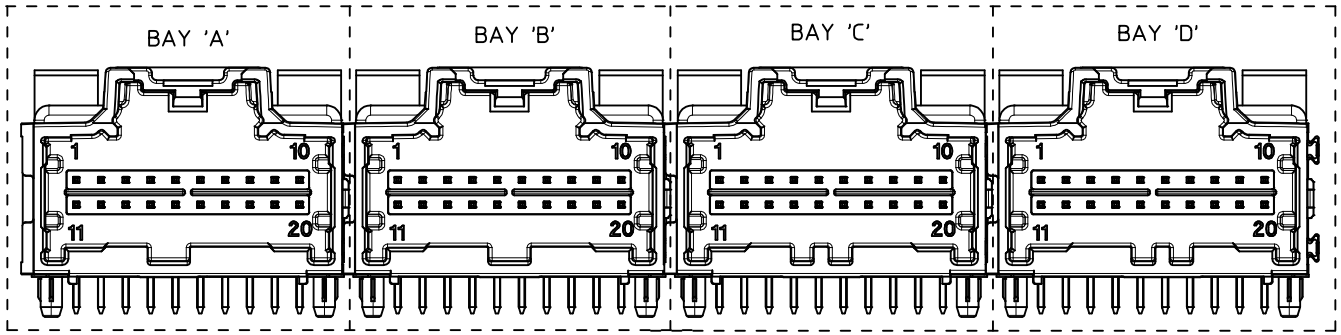
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-34708-300	PSD	001	U7

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	GENERAL MARKET	5 OF 6

DOCUMENT STATUS	P1	RELEASE DATE	2018/05/08 12:41:49

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

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 HYBIRD: SD-34773-100

RELEASED
EC NO: UAU2017-0095 2016/08/01
DRWN: JFISCHER01 2016/08/03
CHKD:
APPR: RBAUMAN
DESCRIPTION
05
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	VDANIELE
DATE	9/05/2008
CHECKED BY	CDILLON
DATE	9/05/2008
APPROVED BY	SMARCEAU
DATE	2010/10/20
MATERIAL NO.	SEE CHART
TITLE	4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING
	MOLEX INCORPORATED
DOCUMENT NO.	SD-34708-400
SHEET NO.	1 OF 5
SIZE	D

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

RELEASED
EC NO: UAU2017-0095 2016/08/01
DRWN: JFISCHER01 2016/08/03
CHKD:
APPR: RBAUMAN
DESCRIPTION
REV
05

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

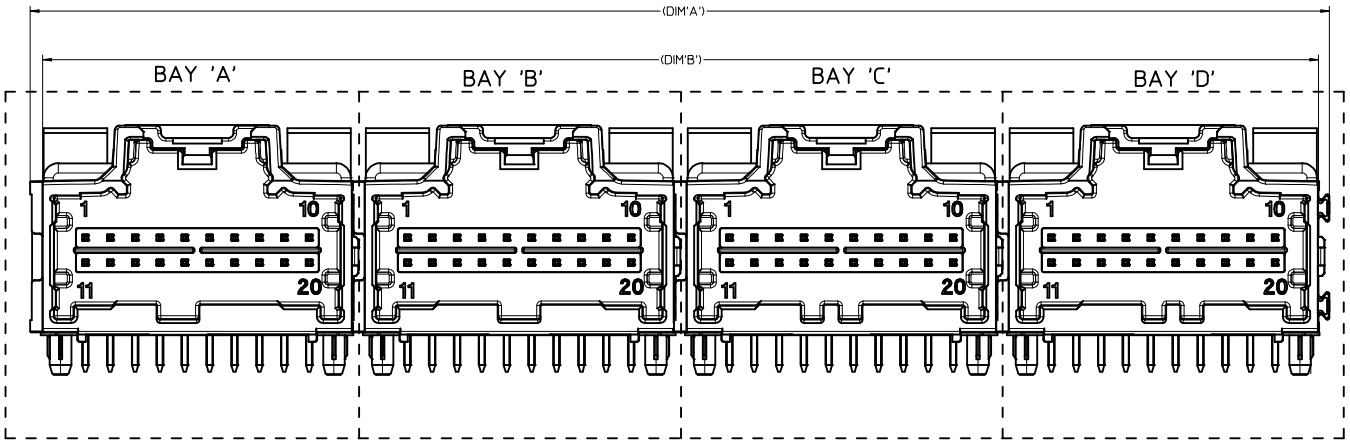
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

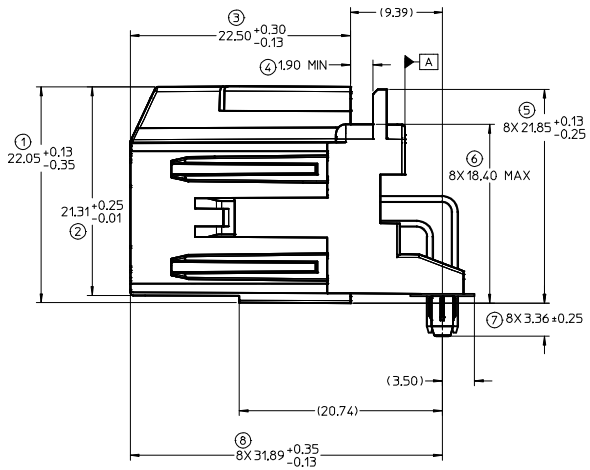
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: VDANIELE DATE: 9/05/2008
CHECKED BY: CDILLON DATE: 9/05/2008
APPROVED BY: SMARCEAU DATE: 2010/10/20
MATERIAL NO.: SEE CHART

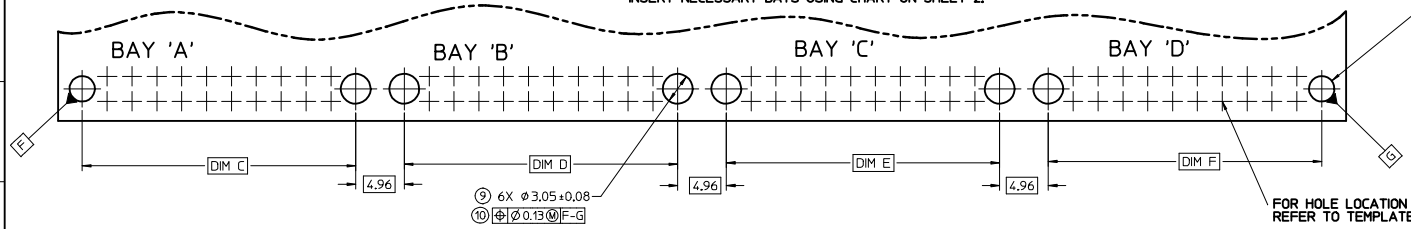
TITLE: 4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING
MOLEX INCORPORATED
DOCUMENT NO.: SD-34708-400
SHEET NO.: 2 OF 5
SIZE: D





RECOMMENDED PCB LAYOUT

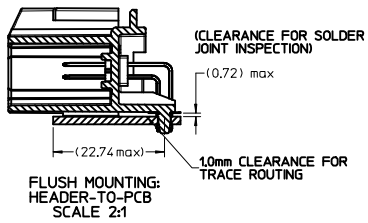
INSERT NECESSARY BAYS USING CHART ON SHEET 2.



POST HOLE TABLE:

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

ALL CIRCUIT SIZES



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

RELEASED
EC NO: UAU2017-0095 2016/08/01
DRWN: IFISCHER01 2016/08/03
CHKD:
APPR: RBAUMAN
DESCRIPTION
05
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

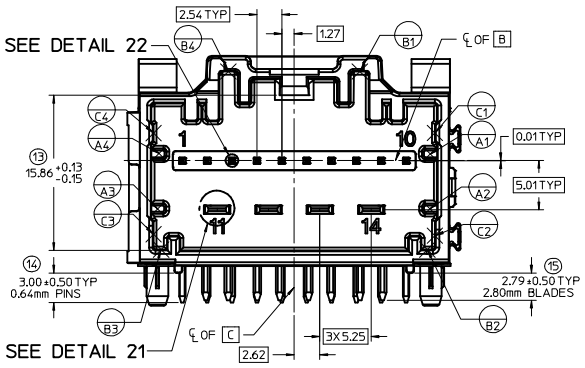
DRAWN BY: VDANIELE 9/05/2008
CHECKED BY: CDILLON 9/05/2008
APPROVED BY: SMARCEAU 2010/10/20
MATERIAL NO.: SEE CHART

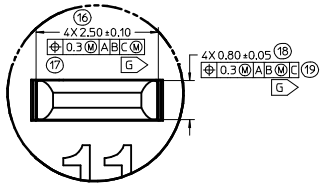
TITLE: 4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

MOLEX INCORPORATED

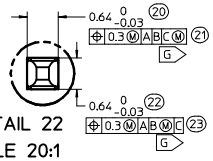
DOCUMENT NO.: SD-34708-400
SHEET NO.: 3 OF 5
SIZE: D

14CKT STAC HYBRID HEADER DETAILS

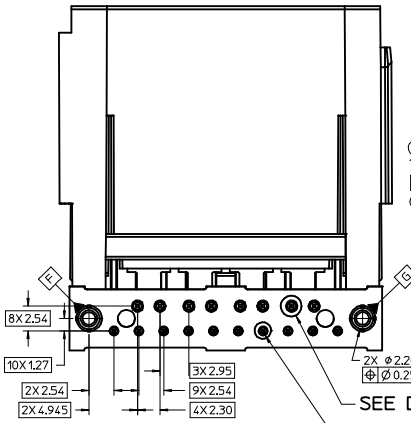


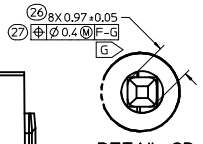


DETAIL 21
SCALE 20:1

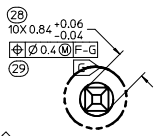


DETAIL 22
SCALE 20:1



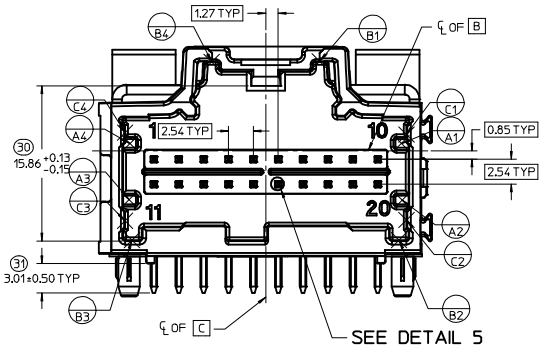


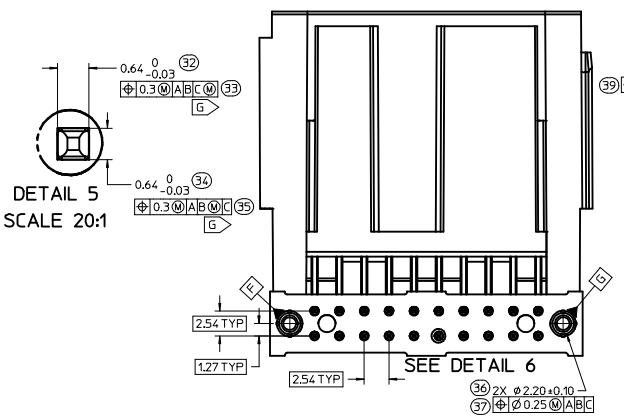
DETAIL 23
SCALE 15:1



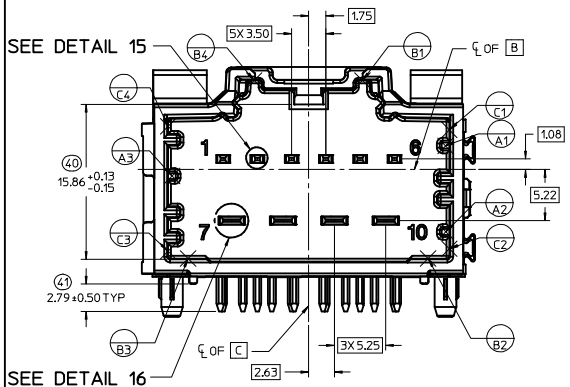
DETAIL 24
SCALE 15:1

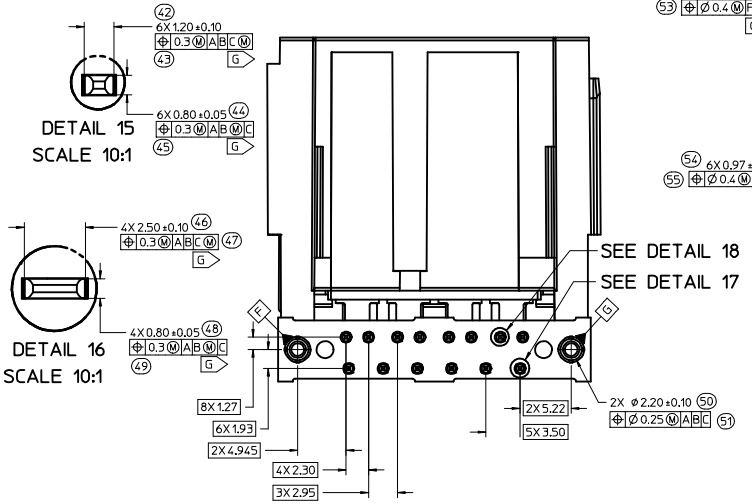
8-20CKT STAC 0.64mm HEADER DETAILS

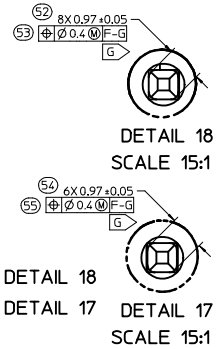




10CKT STAC HYBRID HEADER DETAILS



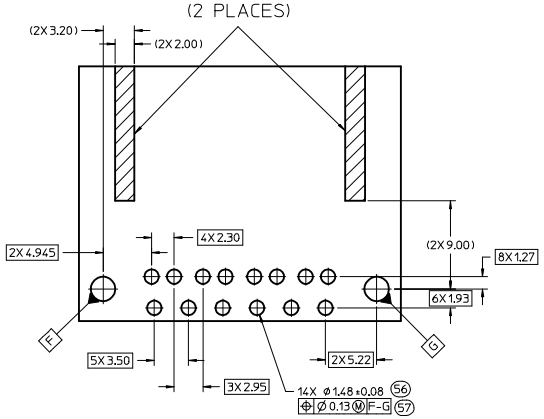




ENTER DESCRIPTION EC NO: UAU2017-0095 DRWN: JFISCHER01 2016/08/01 CHKD: APPR: RBAUMAN 2016/08/03	QUALITY SYMBOLS =0 =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm / INCH 4 PLACES ± --- / ± --- 3 PLACES ± --- / ± --- 2 PLACES ± 0.13 / ± --- 1 PLACE ± 0.25 / ± --- 0 PLACE ± --- / ± --- ANGULAR ± 1 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE: MM ONLY DRAWN BY: VDANIELE DATE: 9/05/2008 CHECKED BY: CDILLON DATE: 9/05/2008 APPROVED BY: SMARCEAU DATE: 2010/10/20 MATERIAL NO.: SEE CHART	SCALE: 4:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION TITLE: 4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING molex DOCUMENT NO.: SD-34708-400 SHEET NO.: 4 OF 5	REV: 05 DESCRIPTION SIZE: D THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

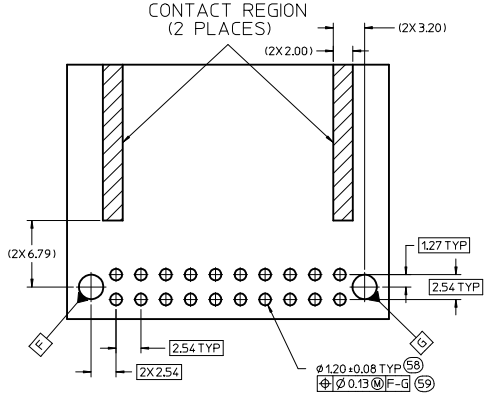
10 CKT HYBRID TEMPLATE PCB LAYOUT

HEADER TO PCB CONTACT REGION (2 PLACES)



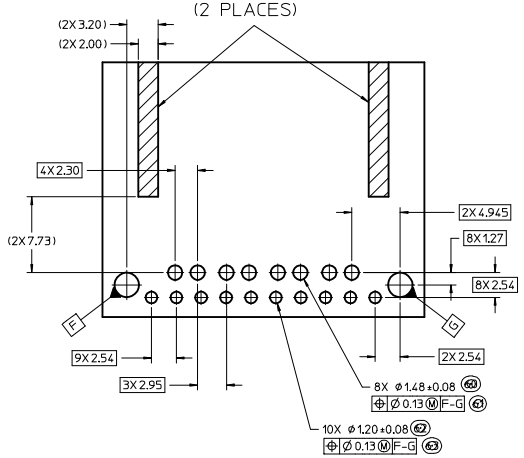
8-20CKT 0.64mm TEMPLATE PCB LAYOUT

HEADER TO PCB CONTACT REGION (2 PLACES)



14 CKT HYBRID TEMPLATE PCB LAYOUT

HEADER TO PCB CONTACT REGION (2 PLACES)



ENTER DESCRIPTION
EC NO: UAU2017-0095 2016/08/03
DRWN: JFISCHER01 2016/08/01
CHKD:
APPR: RBAUMAN
DESCRIPTION
05
REV

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
0 PLACE	± ---	± ---

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

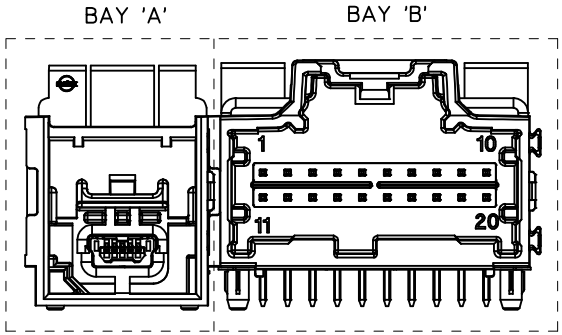
DRAWN BY: VDANIELE 9/05/2008
CHECKED BY: CDILLON 9/05/2008
APPROVED BY: SMARCEAU 2010/10/20
MATERIAL NO.: 9999999999

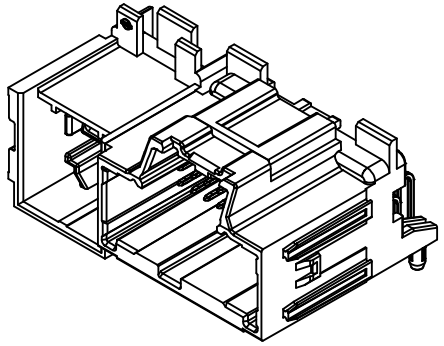
TITLE: 4-BAY STAC64 RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

molex

DOCUMENT NO.: SD-34708-400
SHEET NO.: 5 OF 5
SIZE: D

2 BAY HS STAC RIGHT ANGLE HEADER ASSEMBLY
(P/N: 34787-2000 SHOWN)





DIMENSIONAL CHART FOR MULTIBAY CONFIGURATION:

2 BAY PART NUMBER	BAY A			BAY B			DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
	CKT	TYPE	POL	CKT	TYPE	POL				
34787-2000	-	HS	A	20	0.64mm	A	52.73	50.27	13.73	27.94
34787-2010	-	HS	A	-	HS	E	38.52	36.06	13.73	13.73
34787-2020	12	0.64mm	A	-	HS	A	42.57	40.11	13.73	17.78

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-31408-100
10 CKT HYBRID PRODUCT SPEC: PS-31372-100
HS STAC PRODUCT SPEC: TBD

b. APPLICATION REQUIREMENTS (REFERENCE ONLY):

APPLICATION SPECIFICATION: TBD

c. PACKAGING SPECIFICATION PER MOLEX DRAWING TBD

2. DESIGN: MATERIALS:

a. SHROUD (PLASTIC HOUSING):
RESIN - SPS 30%GF

b. HS STAC PINS:
0.35mm PINS
BASE MATERIAL: C70250
PLATING TYPE: AS NOTED

0.64mm PINS:
BASE MATERIAL: C26000
PLATING TYPE: AS NOTED

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

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
HS STAC: SD-34786-100

REVISED
EC NO: UAU2012-1387 2012/05/10
DRWN: VDANIELE 2012/05/11
CHKD:
APPR: SMARCEAU
DESCRIPTION
REV C

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

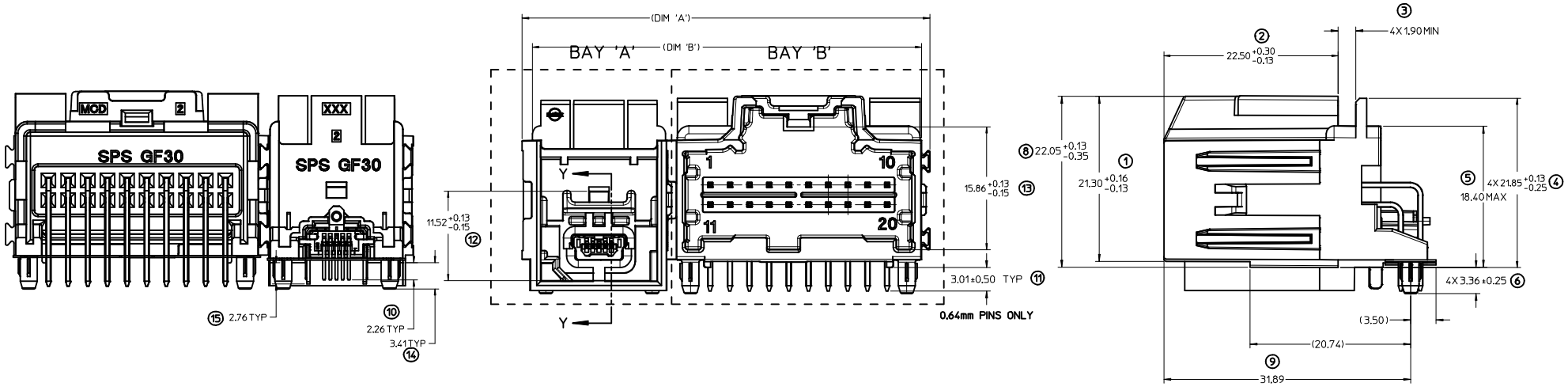
DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	VDANIELE	2010/06/24
CHECKED BY	JDUNAJ	2010/06/29
APPROVED BY	SMARCEAU	2010/07/08

TITLE: 2-BAY HSSTAC RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

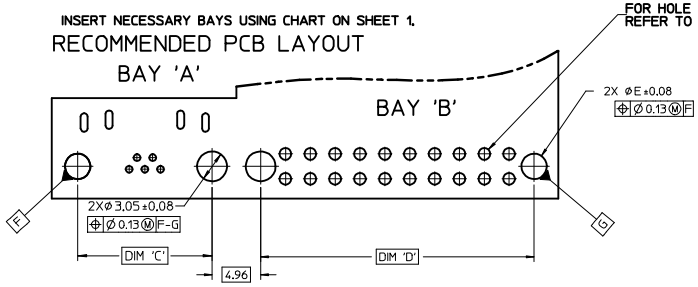
MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-34787-200
SHEET NO.: 1 OF 2
SIZE: D



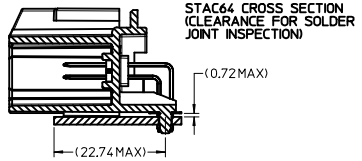
INSERT NECESSARY BAYS USING CHART ON SHEET 1.

RECOMMENDED PCB LAYOUT



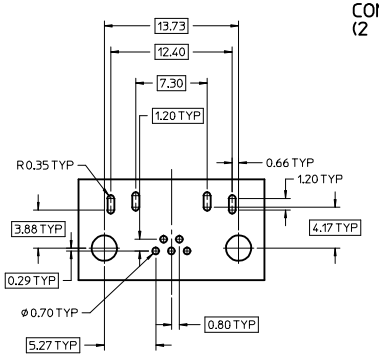
POST HOLE TABLE:

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



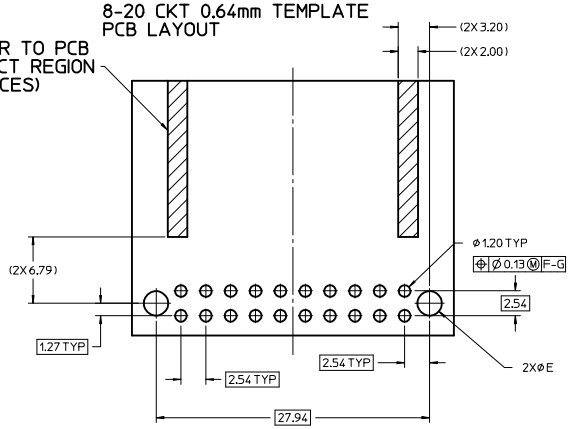
FLUSH MOUNTING: HEADER-TO-PCB SCALE 2:1

HS STAC TEMPLATE PCB LAYOUT

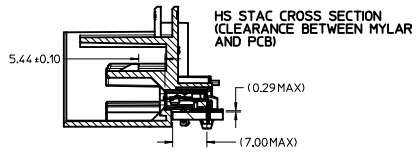


8-20 CKT 0.64mm TEMPLATE PCB LAYOUT

HEADER TO PCB CONTACT REGION (2 PLACES)



* RECOMMENDED FOR PIN THROUGH PASTE REFLOW PROCESSING *



FLUSH MOUNTING HEADER-TO-PCB SCALE 2:1

REVISED
EC NO: UAU2012-1387 2012/05/10
DRWN:VDANIELE 2012/05/11
CHKD:
APPR:SMARCEAU
DESCRIPTION
REV C

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: VDANIELE DATE: 2010/06/24
CHECKED BY: JDUNAJ DATE: 2010/06/29
APPROVED BY: SMARCEAU DATE: 2010/07/08
MATERIAL NO.: SEE CHART

TITLE: 2-BAY HSSTAC RIGHT ANGLE HEADER ASSEMBLY SALES DRAWING

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-34787-200
SHEET NO.: 2 OF 2
SIZE: D