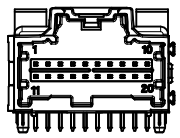
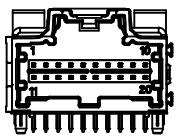
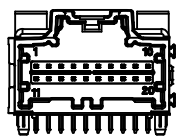


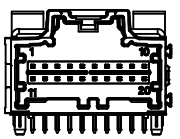
POLARIZATION OPTION A
P/N 34691-0200



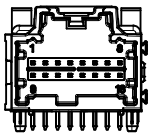
POLARIZATION OPTION B
P/N 34691-0201



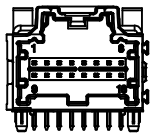
POLARIZATION OPTION C
P/N 34691-0202



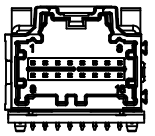
POLARIZATION OPTION D
P/N 34691-0203



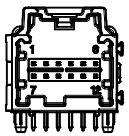
POLARIZATION OPTION A
P/N 34691-0160



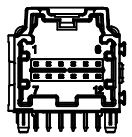
POLARIZATION OPTION B
P/N 34691-0161



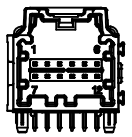
POLARIZATION OPTION C
P/N 34691-0162



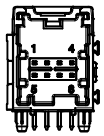
POLARIZATION OPTION A
P/N 34691-0120



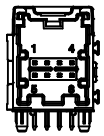
POLARIZATION OPTION B
P/N 34691-0121



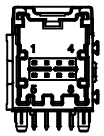
POLARIZATION OPTION C
P/N 34691-0122



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				
34691-0200	34691-9200	20	STAC64 RIGHT ANGLE HEADER ASSEMBLY	A	BLACK
34691-0201	34691-9201	20	STAC64 RIGHT ANGLE HEADER ASSEMBLY	B	GREY
34691-0202	34691-9202	20	STAC64 RIGHT ANGLE HEADER ASSEMBLY	C	BROWN
34691-0203	34691-9203	20	STAC64 RIGHT ANGLE HEADER ASSEMBLY	D	GREEN
34691-0160	34691-9160	16	STAC64 RIGHT ANGLE HEADER ASSEMBLY	A	BLACK
34691-0161	34691-9161	16	STAC64 RIGHT ANGLE HEADER ASSEMBLY	B	GREY
34691-0162	34691-9162	16	STAC64 RIGHT ANGLE HEADER ASSEMBLY	C	BROWN
34691-0120	34691-9120	12	STAC64 RIGHT ANGLE HEADER ASSEMBLY	A	BLACK
34691-0121	34691-9121	12	STAC64 RIGHT ANGLE HEADER ASSEMBLY	B	GREY
34691-0122	34691-9122	12	STAC64 RIGHT ANGLE HEADER ASSEMBLY	C	BROWN
34691-0080	34691-9080	8	STAC64 RIGHT ANGLE HEADER ASSEMBLY	A	BLACK
34691-0081	34691-9081	8	STAC64 RIGHT ANGLE HEADER ASSEMBLY	B	GREY
34691-0082	34691-9082	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
   SEE PRODUCT SPECIFICATION = PS-34729-020

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

UPDATED DIMENSIONS
EC NO: UAU2014-0336
DRWN: JFISCHER01 2013/08/28
CHKD:
APPR: RBAUMAN 2013/08/29
DESCRIPTION
REV
G6

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

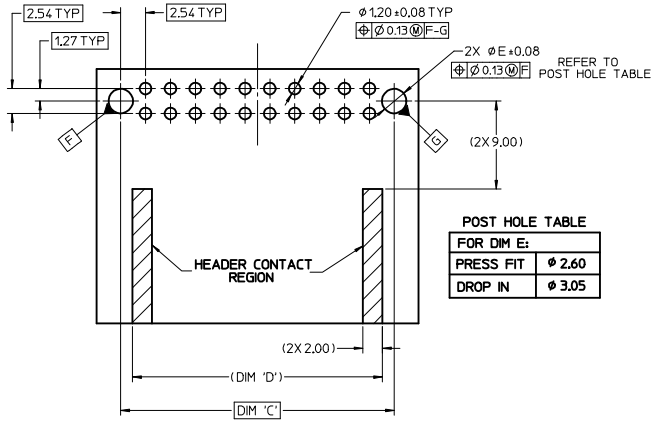
DOCUMENT NO.: SD-34691-100

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

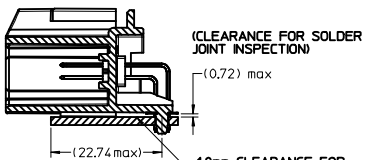
RECOMMENDED PCB LAYOUT



CONNECTOR MATE SIDE

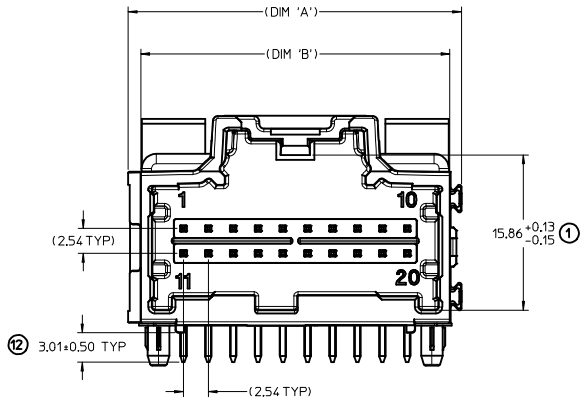
POST HOLE TABLE

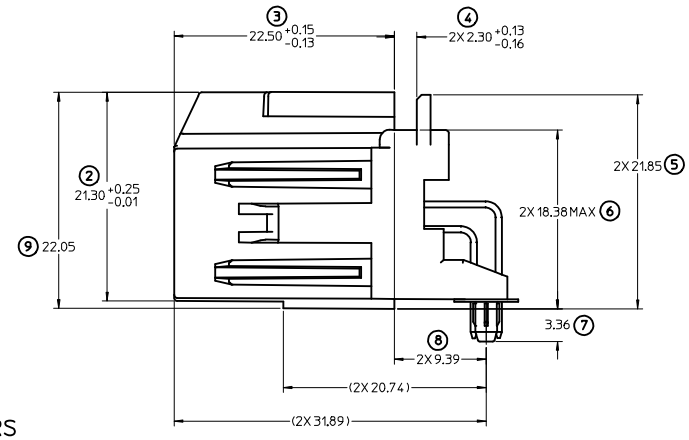
FOR DIM E:	
PRESS FIT	Ø 2.60
DROP IN	Ø 3.05



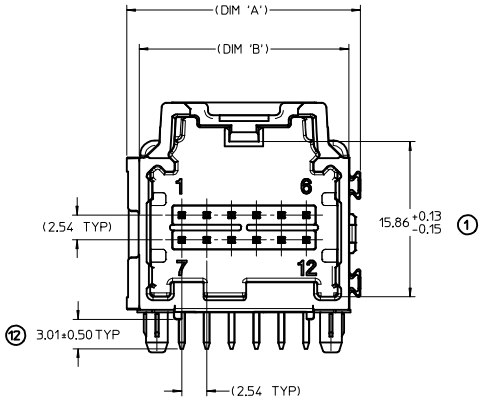
FLUSH MOUNTING: HEADER-TO-PCB SCALE 2:1

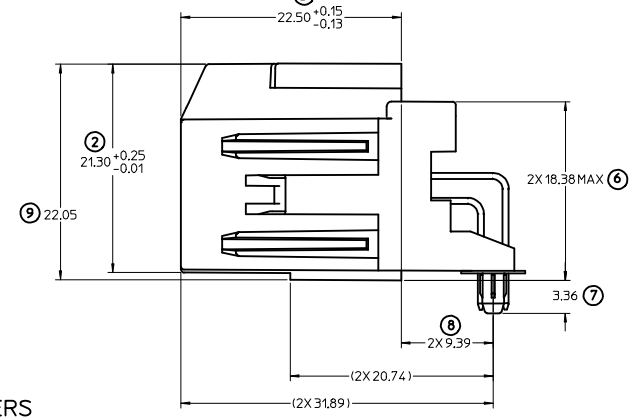
RECOMMENDED FOR WAVE SOLDER
FOR REFLOW CAPABLE PLASTIC PAP SEE:
SD-34691-600





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: UAU2014-0336
DRWN: JFISCHER01 2013/08/29
CHKD:
APPR: RBAUMAN 2013/08/28
DESCRIPTION
REV G6

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

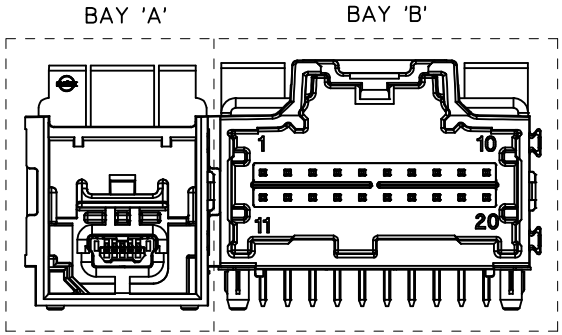
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

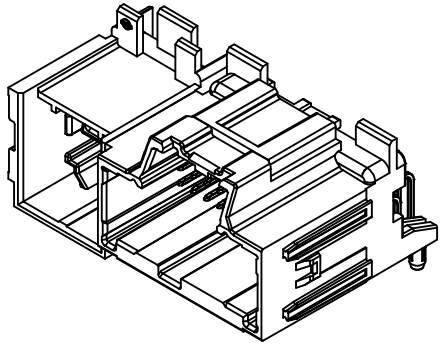
DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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 MOLEX INCORPORATED
DOCUMENT NO.: SD-34691-100
SHEET NO.: 2 OF 2
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

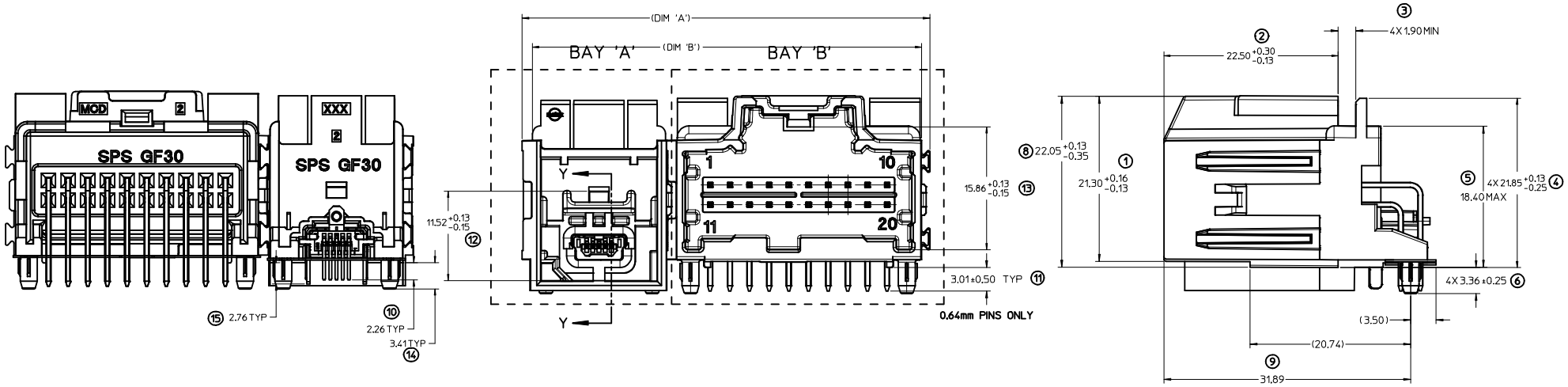
DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		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

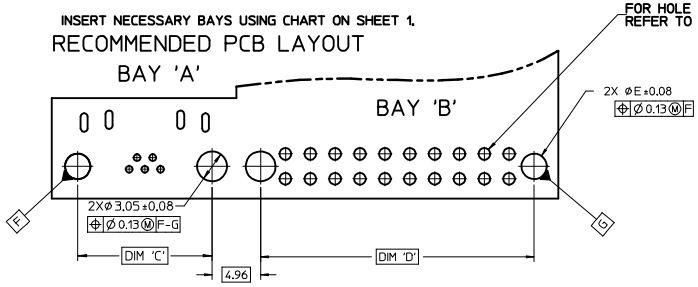
MOLEX INCORPORATED

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



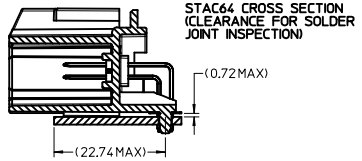
INSERT NECESSARY BAYS USING CHART ON SHEET 1.

RECOMMENDED PCB LAYOUT



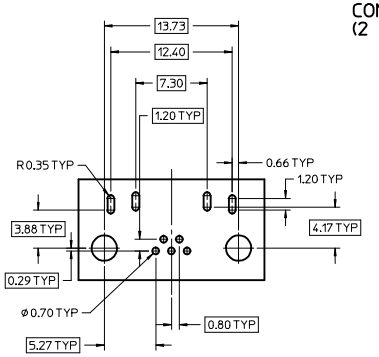
POST HOLE TABLE:

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



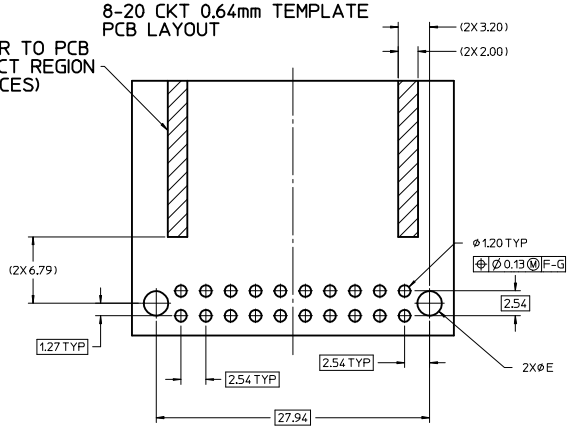
FLUSH MOUNTING: HEADER-TO-PCB SCALE 2:1

HS STAC TEMPLATE PCB LAYOUT

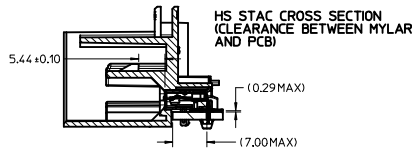


8-20 CKT 0.64mm TEMPLATE PCB LAYOUT

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