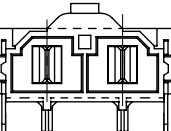
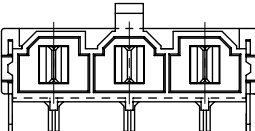
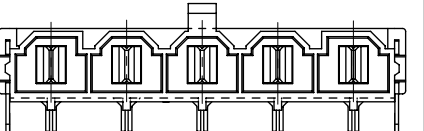
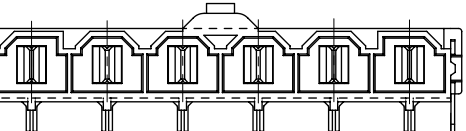


12		11		10		9		8		7		6		5		4		3		2		1										
ITEM NUMBER		CKT. SIZE	DIM."A"		DIM."B"		DIM."C"		TERMINAL PLATING		CLIP PLATING		STATUS		NOTE: 1) MATERIAL: HOUSING MATERIAL:30% GLASS-FILIED NYLON 4/6, U.L.94V-0, COLOR: BLACK. TERMINAL MATERIAL ALLOY 151. 2) FINISH: 2= .000100/(.00254) MIN. TIN OVER .000050/(.00127) MIN. NICKEL. 3= .000030/(.00076) MIN. SELECT GOLD IN CONTACT AREA. OVER .000050/(.00127) MIN NICKEL. 4= .000100/(00254) MIN SELECT SILVER IN CONTACT AREA .000100/(.00254) MIN. SELECT TIN ON SOLDER TAILS OVER .000050/(.00127) MIN NICKEL. 3) PRODUCT SPECIFICATION: PS-42815-001. 4) PACKAGING INFORMATION SEE MOLEX PACKING SPEC. PK-42820-910 5) PART MATES WITH MOLEX RECEPTACLE *42816-***2 WITH TPA. 6) PART IS DESIGNED IN METRIC. 7) AN "X" IN FRONT OF THE ITEM NUMBER INDICATES THE PART IS NOT TOOLED. 8) PARTS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE 9) WHEN USING OVERALL TIN PLATED TERMINALS: FOR APPLICATIONS INVOLVING VIBRATION AND/OR TERMINAL CYCLING, MOLEX STRONGLY RECOMMENDS THE USE OF NYE LUBRICANT (NYOGEL 760G) ON THE MATING SURFACES OF THE TERMINAL. 10) PARTS CONFORMS TO CLASS 'B' REQUIRMENTS OF COSMETIC SPECIFICATIONS PS-45499-002 11) FOR TAPE AND REEL PACKAGING REFER TO PK-45986-004 12) BOARD CLIP HOLE MAY OR MAY NOT BE PLATED. REFER TO CHART FOR PLATED / UNPLATED CLIPS. 13) REFER AS-42815-001 FOR TIN PLATED TERMINALS RECOMMENDED LUBRICATION PROCEDURE. 14) FOR PN 42820**9* PLEASE REFER TO MOLEX PACAKAGING SPEC. 428204294-PK.																	
H	42820-2213	2	.138/(3.50)		.823/(20.90)		.071/(1.80)		SELECT GOLD IN CONTACT AREA (SEE LEGEND)				ACTIVE																			
	42820-2313	2	.138/(3.50)		.823/(20.90)		N/A																									
	42820-2223	2	.201/(5.10)		.823/(20.90)		.102/(2.60)																									
	42820-2233	2	.201/(5.10)		.823/(20.90)		.134/(3.40)																									
	42820-2243	2	.327/(8.30)		.823/(20.90)		.259/(6.58)																									
	42820-3213	3	.138/(3.50)		1.217/(30.90)		.071/(1.80)																									
	42820-3228	3	.138/(3.50)		1.217/(30.90)		.102/(2.60)																									
	42820-3223	3	.201/(5.10)		1.217/(30.90)		.102/(2.60)																									
	42820-3233	3	.201/(5.10)		1.217/(30.90)		.134/(3.40)																									
	42820-3243	3	.327/(8.30)		1.217/(30.90)		.259/(6.58)																									
G	42820-4213	4	.138/(3.50)		1.610/(40.90)		.071/(1.80)		SELECT MATTE TIN ON SOLDER TAILS																							
	42820-4223	4	.201/(5.10)		1.610/(40.90)		.102/(2.60)																									
	42820-4233	4	.201/(5.10)		1.610/(40.90)		.134/(3.40)																									
	42820-4243	4	.327/(8.30)		1.610/(40.90)		.259/(6.58)																									
	42820-5213	5	.138/(3.50)		2.004/(50.90)		.071/(1.80)																									
	42820-5223	5	.201/(5.10)		2.004/(50.90)		.102/(2.60)																									
	42820-5233	5	.201/(5.10)		2.004/(50.90)		.134/(3.40)																									
	42820-5243	5	.327/(8.30)		2.004/(50.90)		.259/(6.58)																									
	42820-6213	6	.138/(3.50)		2.398/(60.90)		.071/(1.80)																									
	42820-6223	6	.201/(5.10)		2.398/(60.90)		.102/(2.60)																									
F	42820-6233	6	.201/(5.10)		2.398/(60.90)		.134/(3.40)				NONE																					
	42820-6243	6	.327/(8.30)		2.398/(60.90)		.259/(6.58)																									
	42820-2214	2	.138/(3.50)		.823/(20.90)		.071/(1.80)																									
	42820-2224	2	.201/(5.10)		.823/(20.90)		.102/(2.60)																									
	42820-2234	2	.201/(5.10)		.823/(20.90)		.134/(3.40)																									
	42820-2244	2	.327/(8.30)		.823/(20.90)		.259/(6.58)																									
	42820-2314	2	.138/(3.50)		.823/(20.90)		N/A																									
	42820-3214	3	.138/(3.50)		1.217/(30.90)		.071/(1.80)																									
	42820-3224	3	.201/(5.10)		1.217/(30.90)		.102/(2.60)																									
	42820-3234	3	.201/(5.10)		1.217/(30.90)		.134/(3.40)																									
E	42820-3244	3	.327/(8.30)		1.217/(30.90)		.259/(6.58)		SELECT SILVER IN CONTACT AREA (SEE LEGEND)				ACTIVE																			
	42820-3314	3	.138/(3.50)		1.217/(30.90)		N/A																									
	42820-4214	4	.138/(3.50)		1.610/(40.90)		.071/(1.80)																									
	42820-4224	4	.201/(5.10)		1.610/(40.90)		.102/(2.60)																									
	42820-4234	4	.201/(5.10)		1.610/(40.90)		.134/(3.40)																									
	42820-4244	4	.327/(8.30)		1.610/(40.90)		.259/(6.58)																									
	42820-5214	5	.138/(3.50)		2.004/(50.90)		.071/(1.80)																									
	42820-5224	5	.201/(5.10)		2.004/(50.90)		.102/(2.60)																									
	42820-5234	5	.201/(5.10)		2.004/(50.90)		.134/(3.40)																									
	42820-5244	5	.327/(8.30)		2.004/(50.90)		.259/(6.58)																									
D	42820-5314	5	.138/(3.50)		2.004/(50.90)		N/A																									
	42820-6214	6	.138/(3.50)		2.398/(60.90)		.071/(1.80)																									
	42820-6224	6	.201/(5.10)		2.398/(60.90)		.102/(2.60)																									
	42820-6234	6	.201/(5.10)		2.398/(60.90)		.134/(3.40)																									
	42820-6244	6	.327/(8.30)		2.398/(60.90)		.259/(6.58)																									
	42820-2294	2	.138/(3.50)		0.823/(20.90)		.071/(1.80)																									
	42820-4294	4	.138/(3.50)		1.610/(40.90)		.071/(1.80)																									
C	LEGEND : A-42820 - * * * CIRCUIT SIZE (2-6) PLATING 2 OR 9 = OVERALL BRIGHT TIN OVER NICKEL 3 OR 8 = SELECT GOLD IN CONTACT AREA SELECT MATTE TIN ON SOLDER TAILS OVER NICKEL 4 = SELECT SILVER IN CONTACT AREA SELECT MATTE TIN ON SOLDER TAILS OVER NICKEL MOUNTING OPTION 1 = FLANGES (SEE DWG SDA-42820-*1**) 2 = RETENTION CLIP 3 = NO RETENTION CLIP P.C. BOARD THICKNESS 1 = .062/(1.57) NOMINAL 2 = .093/(2.36) NOMINAL 3 = .125/(3.18) NOMINAL 4 = .250/(6.35) NOMINAL 9 = .062/(1.57) NOMINAL WITH 428204294-PK 																															
B																																
A																																
																																
42820-22**		42820-32**		42820-52**		42820-62**																										
DOCUMENT STATUS P1 RELEASE DATE 2022/07/19 07:07:23																																
12		11		10		9		8		7		6		5		4		3		2		1										

MATING AREA
(SEE NOTE 9)

CIRCUIT #1

DIM A

DIM B

DIM C

ISO VIEW

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

SCALE

CURRENT REV DESC:

mm

3:1

EC NO: 714707

DRWN: KEVINS31

CHK'D: KEVINS31

APPR: ISHWARG

INITIAL REVISION:

DRWN: RFC_PLMIMP

APPR: JCOMERCI

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 0.5°

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.25

1 PLACE ± 0.4

0 PLACES ±

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

2022/07/18

2022/07/19

2022/07/19

2018/11/02

2001/07/18

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SDA-42820-0002

PSD

001

J2

SEE CHART

GENERAL MARKET

1 OF 2

mo

lex

MINI-FIT SR.
RIGHT ANGLE HEADER ASSEMBLY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

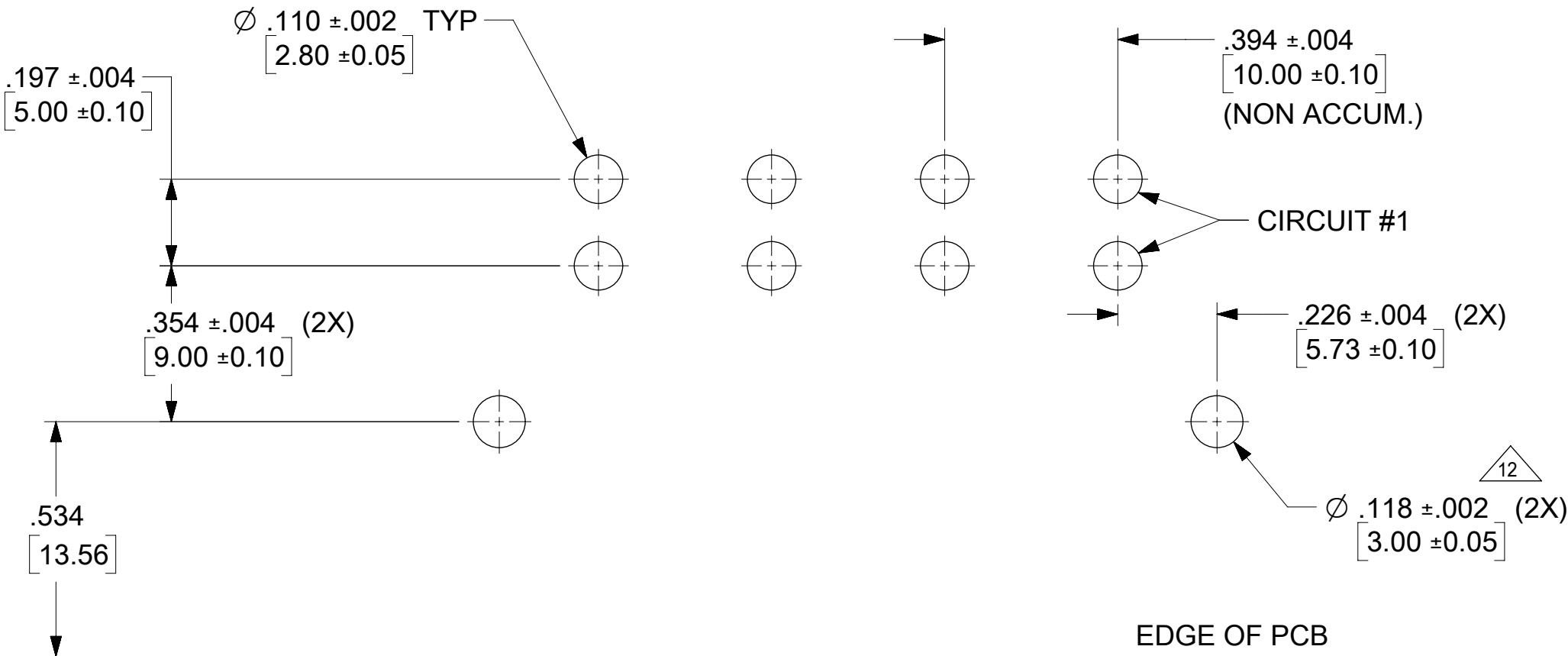
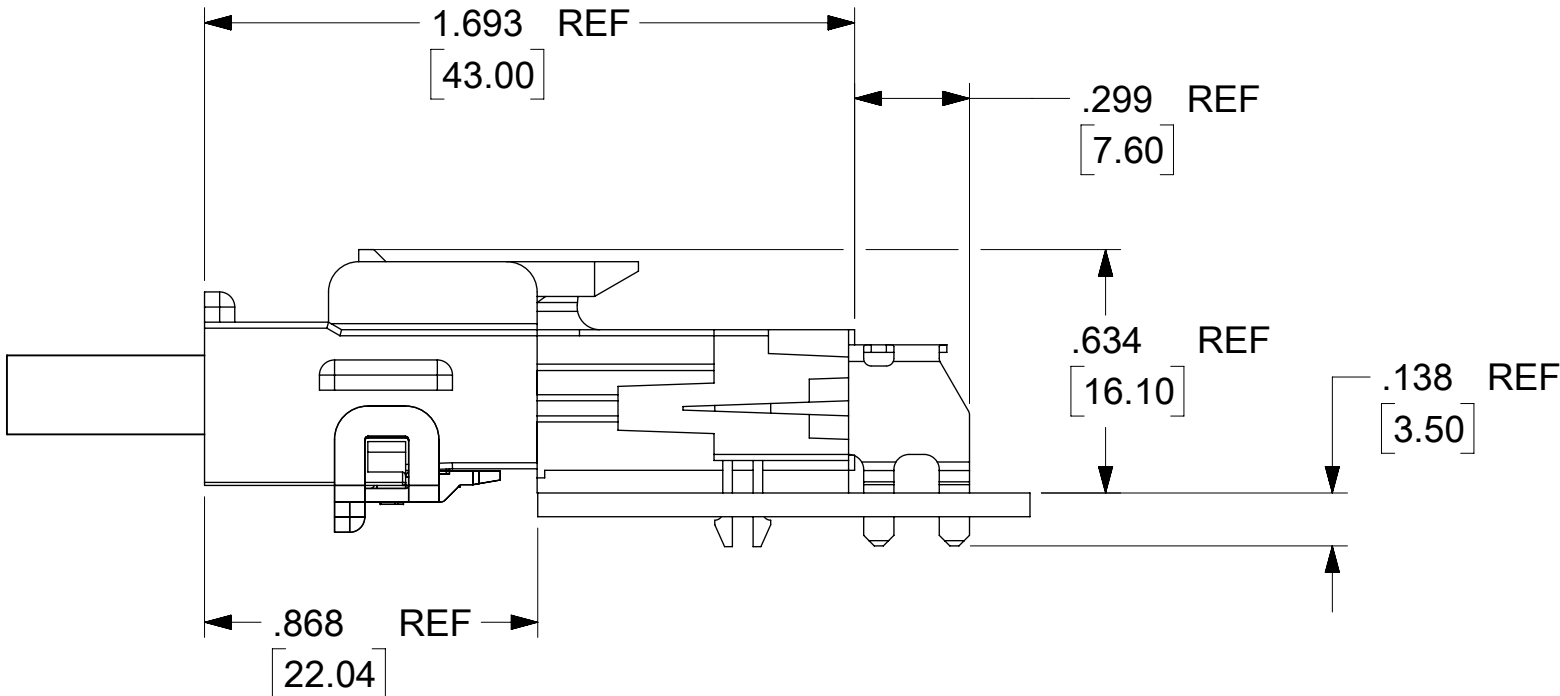
DOC PART

REVISION

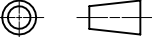
12		11		10		9	8	7	6	5	4	3	2	1
ITEM NUMBER	CKT. SIZE	DIM."A"	DIM."B"	DIM."C"	TERMINAL PLATING	CLIP PLATING	STATUS							
42820-2212	2	.138/(3.50)	.823/(20.90)	.071/(1.80)	OVERALL BRIGHT TIN	NONE	PLANNED FOR OBSOLESCENCE	SEE NOTE 11						
42820-2219	2	.138/(3.50)	.823/(20.90)	.071/(1.80)										
42820-2222	2	.201/(5.10)	.823/(20.90)	.102/(2.60)										
42820-2232	2	.201/(5.10)	.823/(20.90)	.134/(3.40)										
42820-2239	2	.201/(5.10)	.823/(20.90)	.134/(3.40)										
42820-2242	2	.327/(8.30)	.823/(20.90)	.259/(6.58)										
42820-3212	3	.138/(3.50)	1.217/(30.90)	.071/(1.80)										
42820-3222	3	.201/(5.10)	1.217/(30.90)	.102/(2.60)										
42820-3229	3	.201/(5.10)	1.217/(30.90)	.102/(2.60)										
42820-3232	3	.201/(5.10)	1.217/(30.90)	.134/(3.40)										
42820-3242	3	.327/(8.30)	1.217/(30.90)	.259/(6.58)										
42820-4212	4	.138/(3.50)	1.610/(40.90)	.071/(1.80)										
42820-4312	4	.138/(3.50)	1.610/(40.90)	N/A										
42820-4222	4	.201/(5.10)	1.610/(40.90)	.102/(2.60)										
42820-4232	4	.201/(5.10)	1.610/(40.90)	.134/(3.40)										
42820-4242	4	.327/(8.30)	1.610/(40.90)	.259/(6.58)										
42820-5212	5	.138/(3.50)	2.004/(50.90)	.071/(1.80)										
42820-5222	5	.201/(5.10)	2.004/(50.90)	.102/(2.60)										
42820-5232	5	.201/(5.10)	2.004/(50.90)	.134/(3.40)										
42820-5242	5	.327/(8.30)	2.004/(50.90)	.259/(6.58)										
42820-6212	6	.138/(3.50)	2.398/(60.90)	.071/(1.80)										
42820-6222	6	.201/(5.10)	2.398/(60.90)	.102/(2.60)										
42820-6229	6	.201/(5.10)	2.398/(60.90)	.102/(2.60)										
42820-6232	6	.201/(5.10)	2.398/(60.90)	.134/(3.40)										
42820-6242	6	.327/(8.30)	2.398/(60.90)	.259/(6.58)										
42820-2332	2	.201/(5.10)	.823/(20.90)	N/A										
42820-2342	2	.327/(8.30)	.823/(20.90)	N/A										

Technical drawing of a component with dimensions:

- 1.693 REF [43.00]
- .299 REF [7.60]
- .634 REF [16.10]
- .138 REF [3.50]
- .868 REF [22.04]



RECOMMENDED P.C. BOARD PLATED -THRU HOLE LAYOUT
(4 CKT. SHOWN FOR REF.)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
DIMENSION UNITS		SCALE		CURRENT REV DESC:						molex						
mm		3:1														
GENERAL TOLERANCES (UNLESS SPECIFIED)				MINI-FIT SR. RIGHT ANGLE HEADER ASSEMBLY												
ANGULAR TOL ± 0.5 °																
4 PLACES		±		PRODUCT CUSTOMER DRAWING												
3 PLACES		±														
2 PLACES		± 0.25		DOCUMENT NUMBER SDA-42820-0002										DOC TYPE	DOC PART	REVISION
1 PLACE		± 0.4												PSD	001	J2
0 PLACES		±		INITIAL REVISION: DRWN: RFC_PLMIMP 2018/11/02 APPR: JCOMERCI 2001/07/18												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																
THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER				
				C-SIZE		42820		SEE CHART		GENERAL MARKET		2 OF 2				

DOCUMENT STATUS	P1	RELEASE DATE	2022/07/19	07:07:23
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12	11	10	9	8	7	6	5	4	3	2	1
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