

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		2	.138/(3.50)		.823/(20.90)		.071/(1.80)		SELECT GOLD IN CONTACT AREA (SEE LEGEND)		NONE		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		4	.138/(3.50)		1.610/(40.90)		.071/(1.80)		SELECT MATTE TIN ON SOLDER TAILS		NONE		ACTIVE										
42820-4213		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)																
F		5	.327/(8.30)		2.004/(50.90)		.259/(6.58)		SELECT SILVER IN CONTACT AREA (SEE LEGEND)		NONE		ACTIVE										
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)																
42820-6233		6	.201/(5.10)		2.398/(60.90)		.134/(3.40)																
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)																
E		2	.138/(3.50)		.823/(20.90)		N/A		SELECT SILVER IN CONTACT AREA (SEE LEGEND)		NONE		ACTIVE										
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)																
42820-3244		3	.327/(8.30)		1.217/(30.90)		.259/(6.58)																
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)																
D		4	.327/(8.30)		1.610/(40.90)		.259/(6.58)		SELECT MATTE TIN ON SOLDER TAILS		NONE		ACTIVE										
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)																
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)																
C		6	.327/(8.30)		2.398/(60.90)		.259/(6.58)		SELECT MATTE TIN ON SOLDER TAILS		NONE		ACTIVE										
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)																
LEGEND : CIRCUIT SIZE (2-6) A-42820 - * * * 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-PK¹⁴⁾																							
42820-22** 42820-32** 42820-52** 42820-62**																							
DOCUMENT STATUS		P1	RELEASE DATE		2022/07/19		07:07:23																

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FORMAN: master dy prod C																																	
12			11			10			9			8			7			6			5			4			3			2			1
REVISION: 11																																	
DATE: 20160118																																	

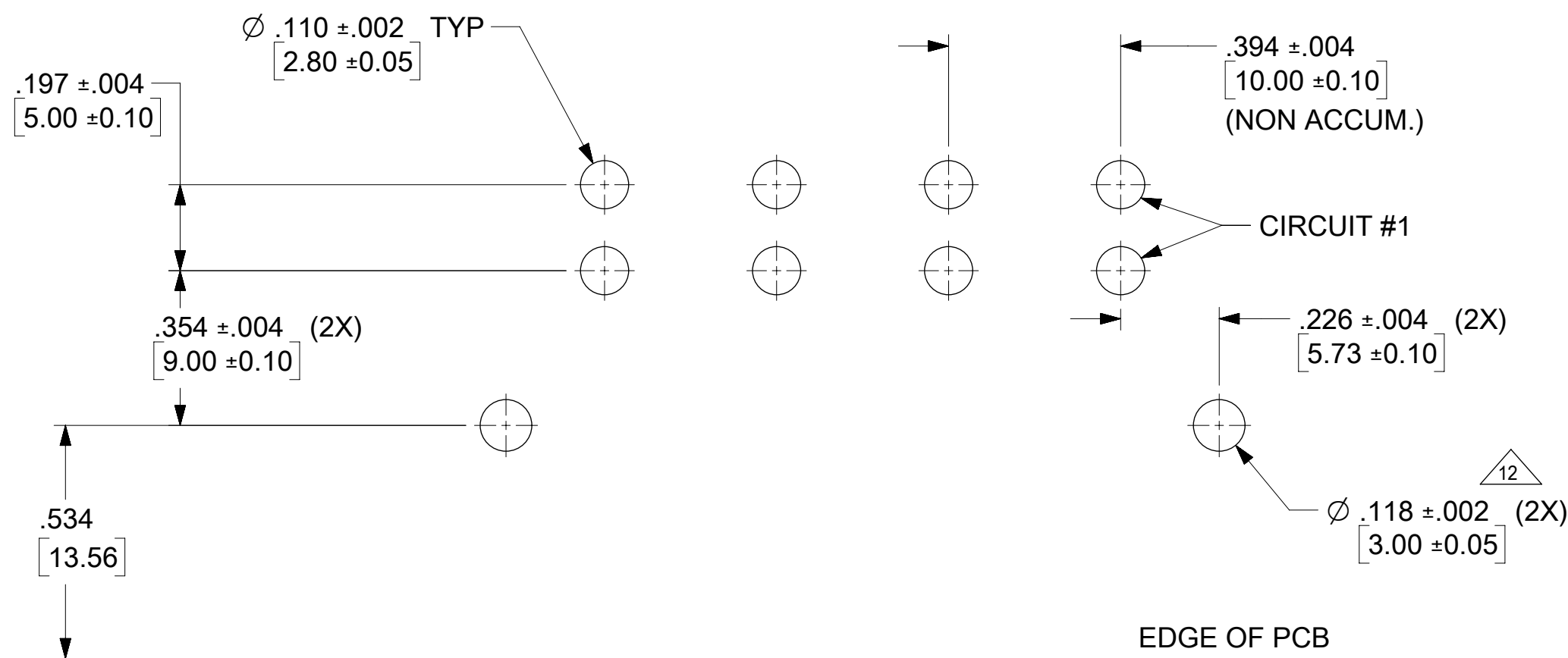
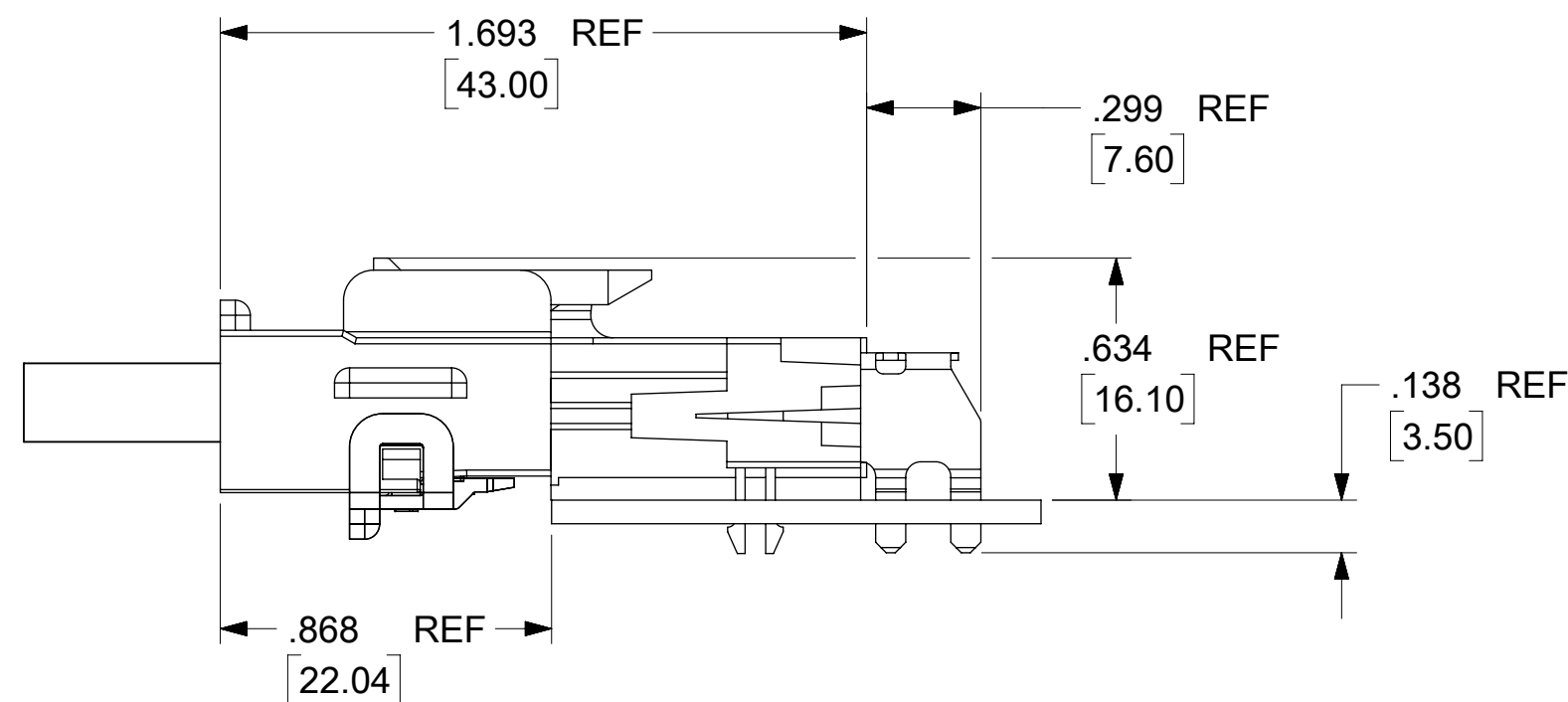
12		11		10		9		8		7		6		5		4		3		2		1	
ITEM NUMBER		CKT. SIZE	DIM."A"		DIM."B"		DIM."C"		TERMINAL PLATING	CLIP PLATING	STATUS												
H	42820-2212	2	.138/(3.50)		.823/(20.90)		.071/(1.80)		OVERALL BRIGHT TIN	NONE	PLANNED FOR OBSOLESCENCE	SEE NOTE 11											
	42820-2219	2	.138/(3.50)		.823/(20.90)		.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)																
G	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)																
F	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 and a cross-section view. The drawing shows a side view of a component with various dimensions and a cross-section view of a specific part.

Dimensions:

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

Cross-section view showing internal features and dimensions.



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)				EC NO: 714707 DRWN: KEVINS31 2022/07/18 CHK'D: KEVINS31 2022/07/19 APPR: ISHWARG 2022/07/19				MINI-FIT SR. RIGHT ANGLE HEADER ASSEMBLY					
ANGULAR TOL ± 0.5 °													
4 PLACES		±											
3 PLACES		±											
2 PLACES		± 0.25											
1 PLACE		± 0.4		INITIAL REVISION: DRWN: RFC_PLMIMP 2018/11/02 APPR: JCOMERCI 2001/07/18				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
0 PLACES		±						SDA-42820-0002		PSD	001	J2	
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								