

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		<div>NOTE:</div> <div>1) MATERIAL: HOUSING MATERIAL:30% GLASS-FILIED NYLON 4/6, U.L.94V-0, COLOR: BLACK. TERMINAL MATERIAL ALLOY 151.</div> <div>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.</div> <div>3) PRODUCT SPECIFICATION: PS-42815-001.</div> <div>4) PACKAGING INFORMATION SEE MOLEX PACKING SPEC. PK-42820-910</div> <div>5) PART MATES WITH MOLEX RECEPTACLE *42816-***2 WITH TPA.</div> <div>6) PART IS DESIGNED IN METRIC.</div> <div>7) AN "X" IN FRONT OF THE ITEM NUMBER INDICATES THE PART IS NOT TOOLED.</div> <div>8) PARTS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE</div> <div>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.</div> <div>10) PARTS CONFORMS TO CLASS 'B' REQUIRMENTS OF COSMETIC SPECIFICATIONS PS-45499-002</div> <div>11) FOR TAPE AND REEL PACKAGING REFER TO PK-45986-004</div> <div>12) BOARD CLIP HOLE MAY OR MAY NOT BE PLATED. REFER TO CHART FOR PLATED / UNPLATED CLIPS.</div> <div>13) REFER AS-42815-001 FOR TIN PLATED TERMINALS RECOMMENDED LUBRICATION PROCEDURE.</div> <div>14) FOR PN 42820**9* PLEASE REFER TO MOLEX PACAKAGING SPEC. 428204294-PK.</div>								
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)																
G	42820-3228	3	.138/(3.50)		1.217/(30.90)		.102/(2.60)		SELECT MATTE TIN ON SOLDER TAILS														
	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)																
	42820-4213	4	.138/(3.50)		1.610/(40.90)		.071/(1.80)																
	42820-4223	4	.201/(5.10)		1.610/(40.90)		.102/(2.60)																
F	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)																
E	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)																
D	42820-2234	2	.201/(5.10)		.823/(20.90)		.134/(3.40)		SELECT SILVER IN CONTACT AREA (SEE LEGEND)		ACTIVE												
	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)																
C	42820-3244	3	.327/(8.30)		1.217/(30.90)		.259/(6.58)		SELECT MATTE TIN ON SOLDER TAILS														
	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)																
B	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)																
A	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)																
	<div>LEGEND :</div> <div>A-42820 - * * *</div> <div>CIRCUIT SIZE (2-6)</div> <div>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</div> <div>MOUNTING OPTION 1 = FLANGES (SEE DWG SDA-42820-*1**) 2 = RETENTION CLIP 3 = NO RETENTION CLIP</div> <div>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 </div>																						
<div><div><div></div><div>42820-22**</div></div><div><div></div><div>42820-32**</div></div><div><div></div><div>42820-52**</div></div><div><div></div><div>42820-62**</div></div></div>																							
<div>DOCUMENT STATUS</div> <div>P1</div> <div>RELEASE DATE</div> <div>2022/07/19</div> <div>07:07:23</div>																							
12		11		10		9		8		7		6		5		4		3		2		1	

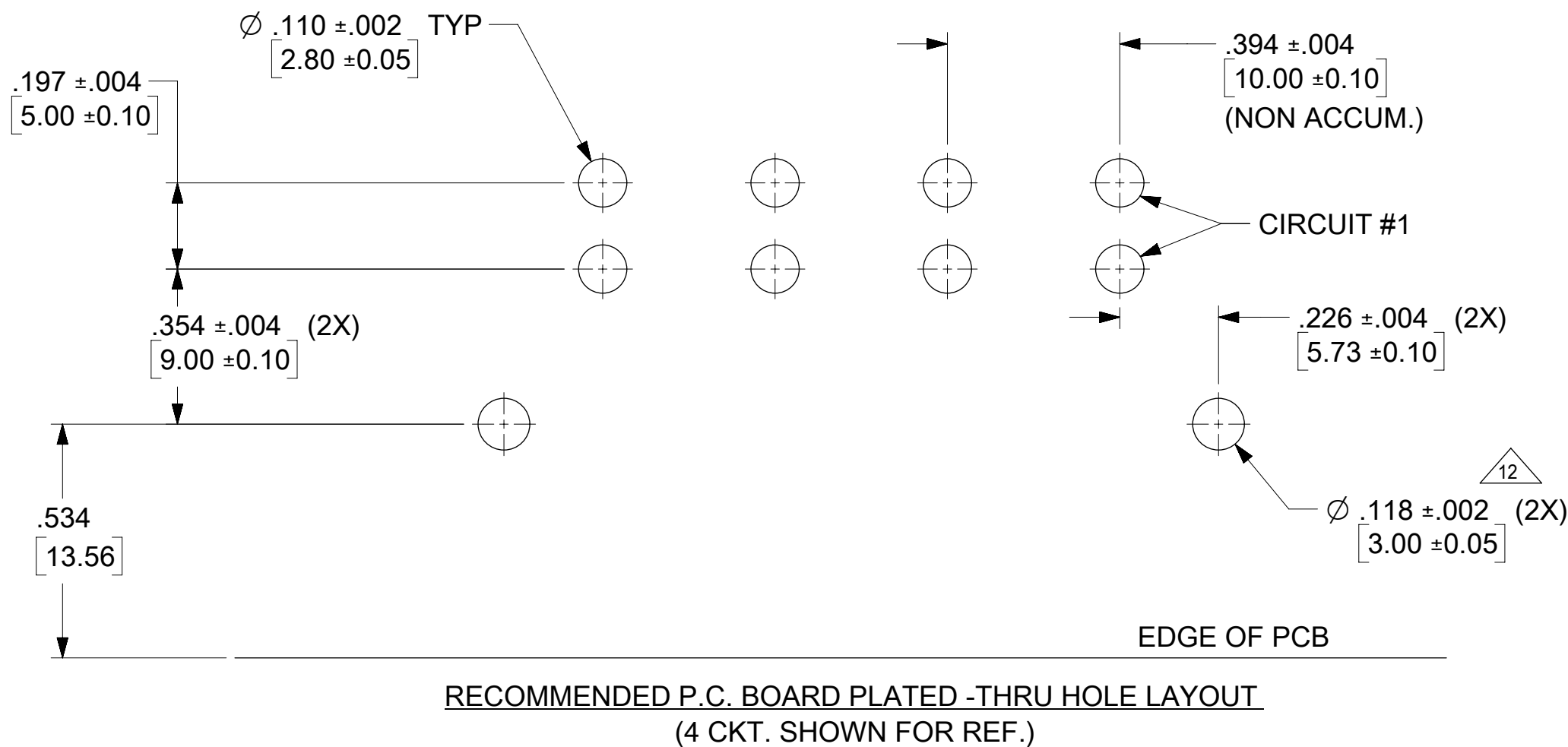
12		11		10		9		8		7		6		5		4		3		2		1	
ITEM NUMBER		CKT. SIZE	DIM."A"		DIM."B"		DIM."C"		TERMINAL PLATING	CLIP PLATING	STATUS												
H	42820-2212	2	.138/(3.50)		.823/(20.90)		.071/(1.80)		OVERALL BRIGHT TIN	NONE	PLANNED FOR OBSOLESCENCE	SEE NOTE 11											
	42820-2219	2	.138/(3.50)		.823/(20.90)		.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.



										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
A										DIMENSION UNITS		SCALE		CURRENT REV DESC:				<div>molex</div>			
										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				PRODUCT CUSTOMER DRAWING			
										0 PLACES		±									
										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER	
						C-SIZE		42820		SDA-42820-0002		PSD		001		J2					
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER					
										SEE CHART		GENERAL MARKET				2 OF 2					
DOCUMENT STATUS		P1	RELEASE DATE		2022/07/19 07:07:23																