

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)																
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)			NONE													
	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)																
	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																						
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

HEADER WITH RT. ANGLE TERMINAL & CLIP

ISO VIEW

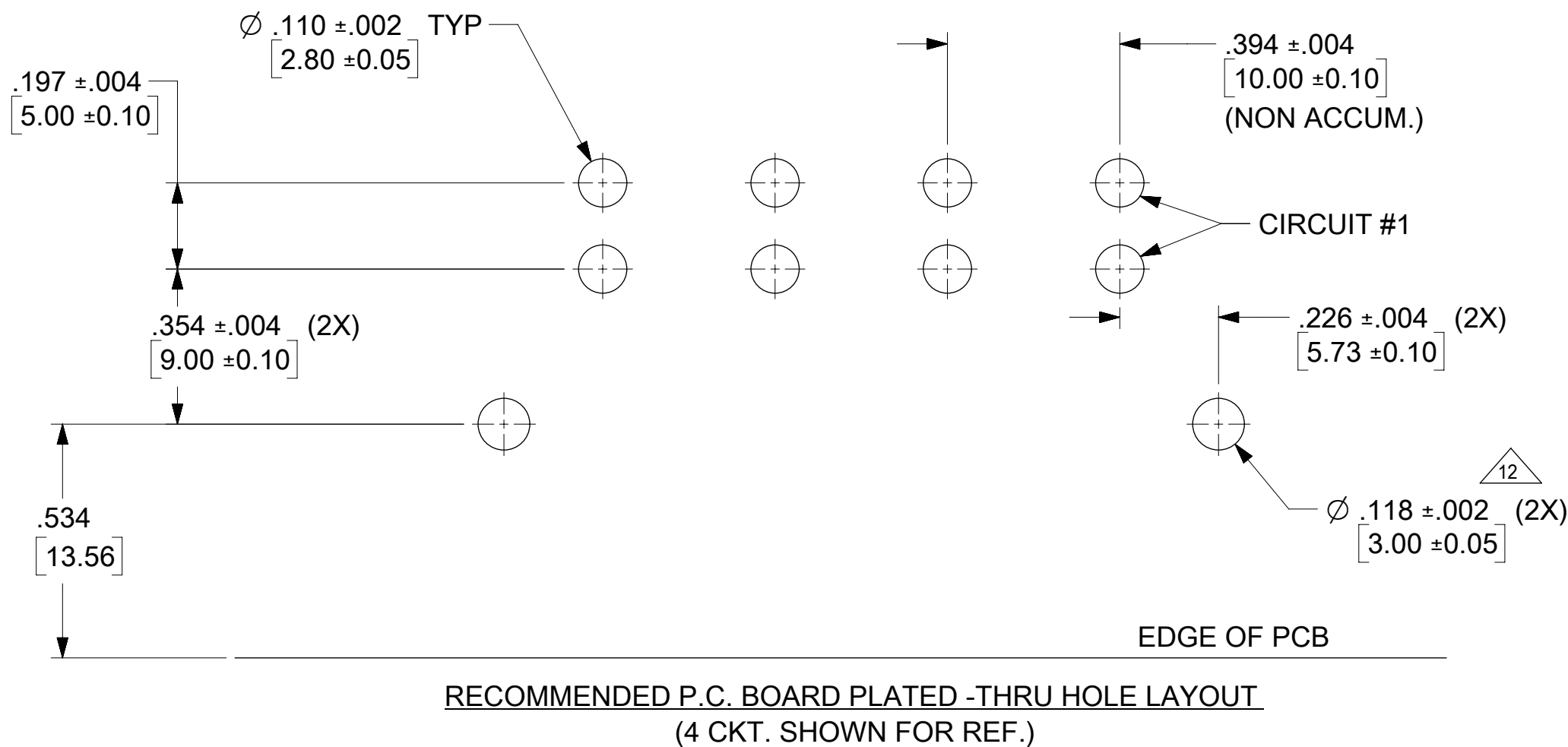
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC:									
mm		3:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 714707				MINI-FIT SR. RIGHT ANGLE HEADER ASSEMBLY					
ANGULAR TOL		± 0.5°		4 PLACES		±						DRWN: KEVINS31	
3 PLACES		±		2 PLACES		± 0.25		CHK'D: KEVINS31		2022/07/19			
1 PLACE		± 0.4		INITIAL REVISION:		APPR: ISHWARG		2022/07/19		PRODUCT CUSTOMER DRAWING			
0 PLACES		±		DRWN: RFC_PLMIMP		2018/11/02							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE DOC PART REVISION			
				C-SIZE		42820		SDA-42820-0002		PSD 001 J2			
								MATERIAL NUMBER		SHEET NUMBER			
								SEE CHART		1 OF 2			

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, likely a connector or terminal block, showing dimensions and labels. The drawing includes a side view and a top view. Dimensions are provided in inches and millimeters (in parentheses). Labels include REF (Reference) and dimensions in brackets.

Dimensions shown:

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



					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:				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 INITIAL REVISION: DRWN: RFC_PLMIMP 2018/11/02 APPR: JCOMERCI 2001/07/18				MINI-FIT SR. RIGHT ANGLE HEADER ASSEMBLY					
					ANGULAR TOL ± 0.5 °													
					4 PLACES		±						PRODUCT CUSTOMER DRAWING					
					3 PLACES		±											
					2 PLACES		± 0.25											
					1 PLACE		± 0.4											
0 PLACES		±		DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION						
				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														