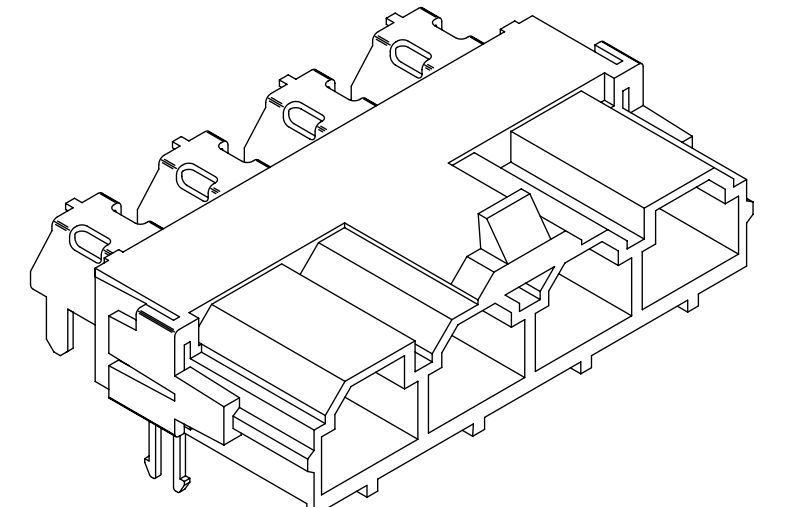
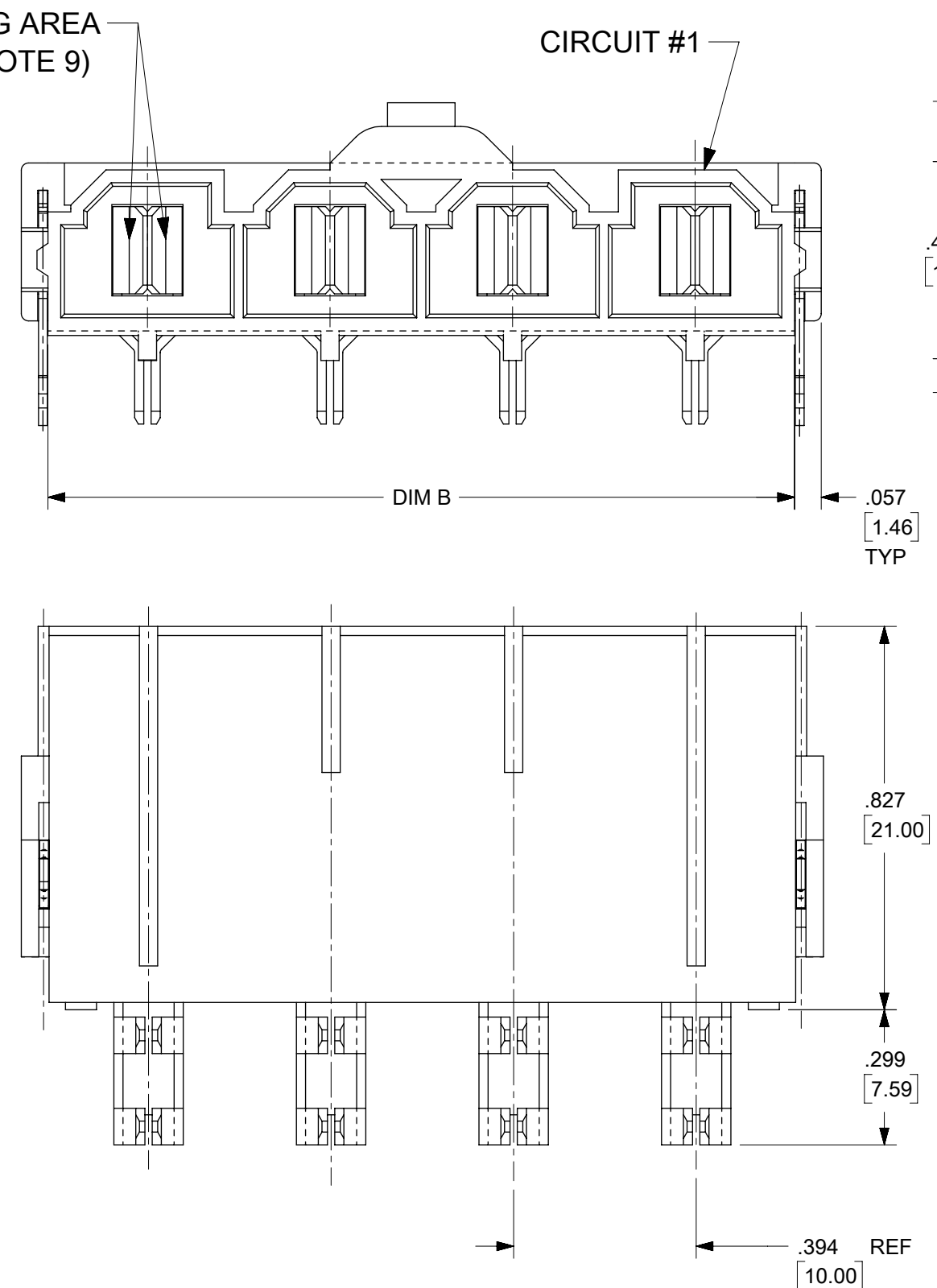


ITEM NUMBER	CKT. SIZE	DIM."A"	DIM."B"	DIM."C"	TERMINAL PLATING	CLIP PLATING	STATUS
42820-2213	2	.138/(3.50)	.823/(20.90)	.071/(1.80)	SELECT GOLD IN CONTACT AREA (SEE LEGEND)		ACTIVE
42820-2313	2	.138/(3.50)	.823/(20.90)	N/A			
42820-2223	2	.201/(5.10)	.823/(20.90)	.102/(2.60)			
42820-2233	2	.201/(5.10)	.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)			
42820-4213	4	.138/(3.50)	1.610/(40.90)	.071/(1.80)	SELECT MATTE TIN ON SOLDER TAILS		ACTIVE
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)			
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)	SELECT SILVER IN CONTACT AREA (SEE LEGEND)	NONE	ACTIVE
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)			
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)	SELECT MATTE TIN ON SOLDER TAILS		ACTIVE
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)			
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)			

NOTE:  
1) MATERIAL:  
HOUSING MATERIAL:30% GLASS-FILLED 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.

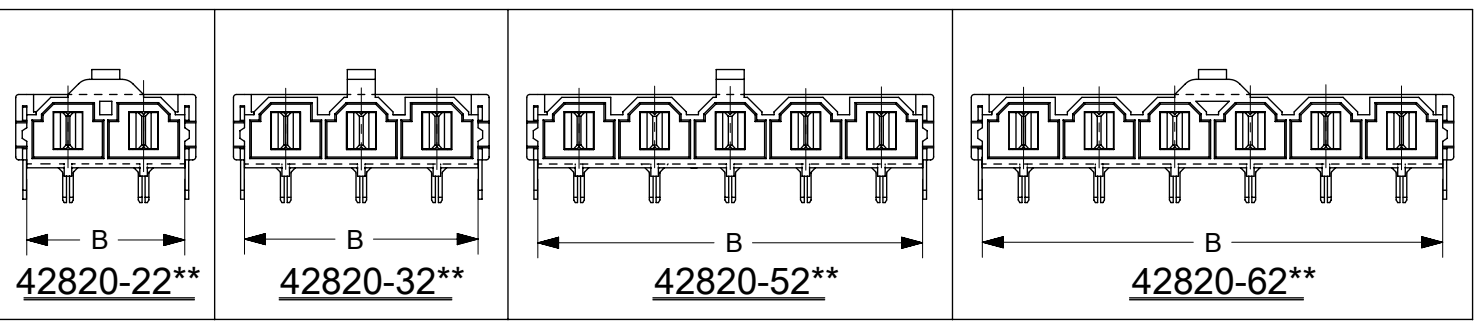
MATING AREA (SEE NOTE 9)



HEADER WITH RT. ANGLE TERMINAL & CLIP ISO VIEW

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

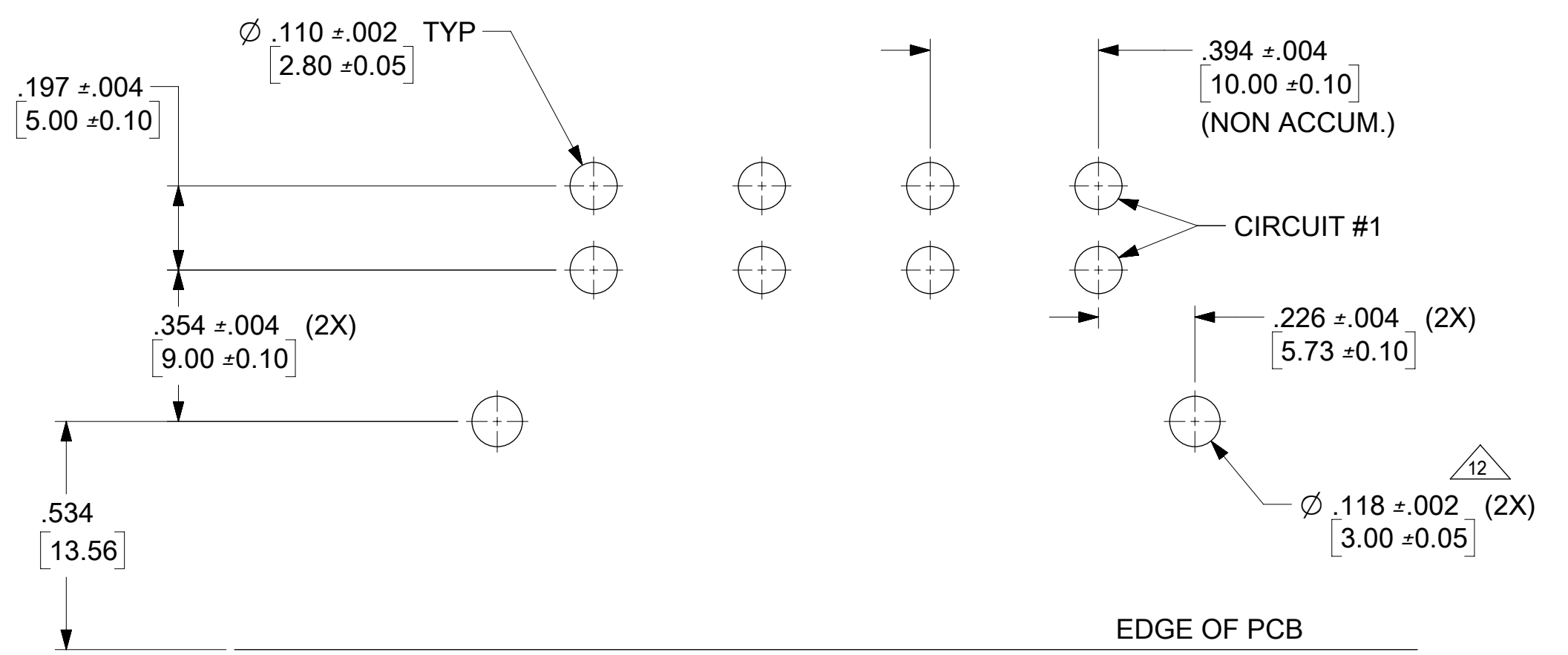
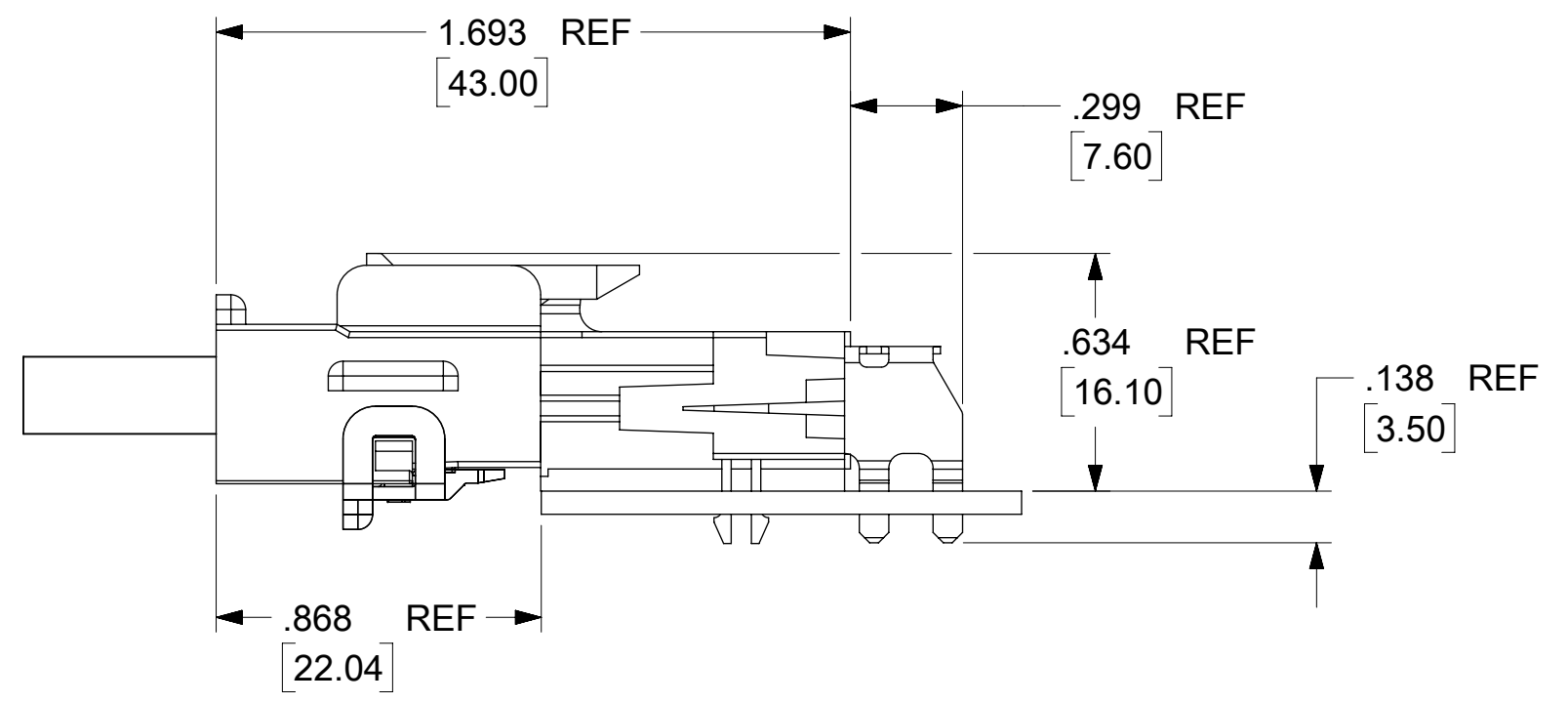


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
DIMENSION UNITS		SCALE		CURRENT REV DESC: REVISED AND UPDATED									
mm		3:1		<b>molex</b> MINI-FIT SR. RIGHT ANGLE HEADER ASSEMBLY PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SDA-42820-0002   DOC TYPE: PSD   DOC PART: 001   REVISION: H2 MATERIAL NUMBER: SEE CHART   CUSTOMER: GENERAL MARKET   SHEET NUMBER: 1 OF 2									
GENERAL TOLERANCES (UNLESS SPECIFIED)										EC NO: 640944		2020/07/06	
ANGULAR TOL ± 0.5°										DRWN: MKP		2020/08/07	
4 PLACES ±										CHK'D: ISHWARG		2020/08/07	
3 PLACES ±										APPR: ISHWARG		2020/08/07	
2 PLACES ± 0.13				INITIAL REVISION:									
1 PLACE ± 0.25				DRWN: RFC_PLMIMP		2018/11/02		APPR: JCOMERCI					
0 PLACES ±				DRWN: RFC_PLMIMP		2001/07/18		APPR: JCOMERCI					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES					
				C-SIZE		42820							

DOCUMENT STATUS	P1	RELEASE DATE	2020/08/07	13:24:35
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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
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			

SEE NOTE 11



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 <b>mm</b>		SCALE <b>3:1</b>		CURRENT REV DESC: REVISED AND UPDATED				<b>molex</b>	
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 640944		DRWN: MKP 2020/07/06		MINI-FIT SR. RIGHT ANGLE HEADER ASSEMBLY			
ANGULAR TOL ± 0.5°		4 PLACES ±		CHK'D: ISHWARG 2020/08/07		PRODUCT CUSTOMER DRAWING		DOCUMENT NUMBER	
3 PLACES ±		2 PLACES ± 0.13		APPR: ISHWARG 2020/08/07		INITIAL REVISION:		DOC TYPE   DOC PART   REVISION	
1 PLACE ± 0.25		0 PLACES ±		DRWN: RFC_PLMIMP 2018/11/02		SDA-42820-0002		PSD   001   H2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 42820		MATERIAL NUMBER   CUSTOMER   SHEET NUMBER	
SEE CHART		GENERAL MARKET		2 OF 2					