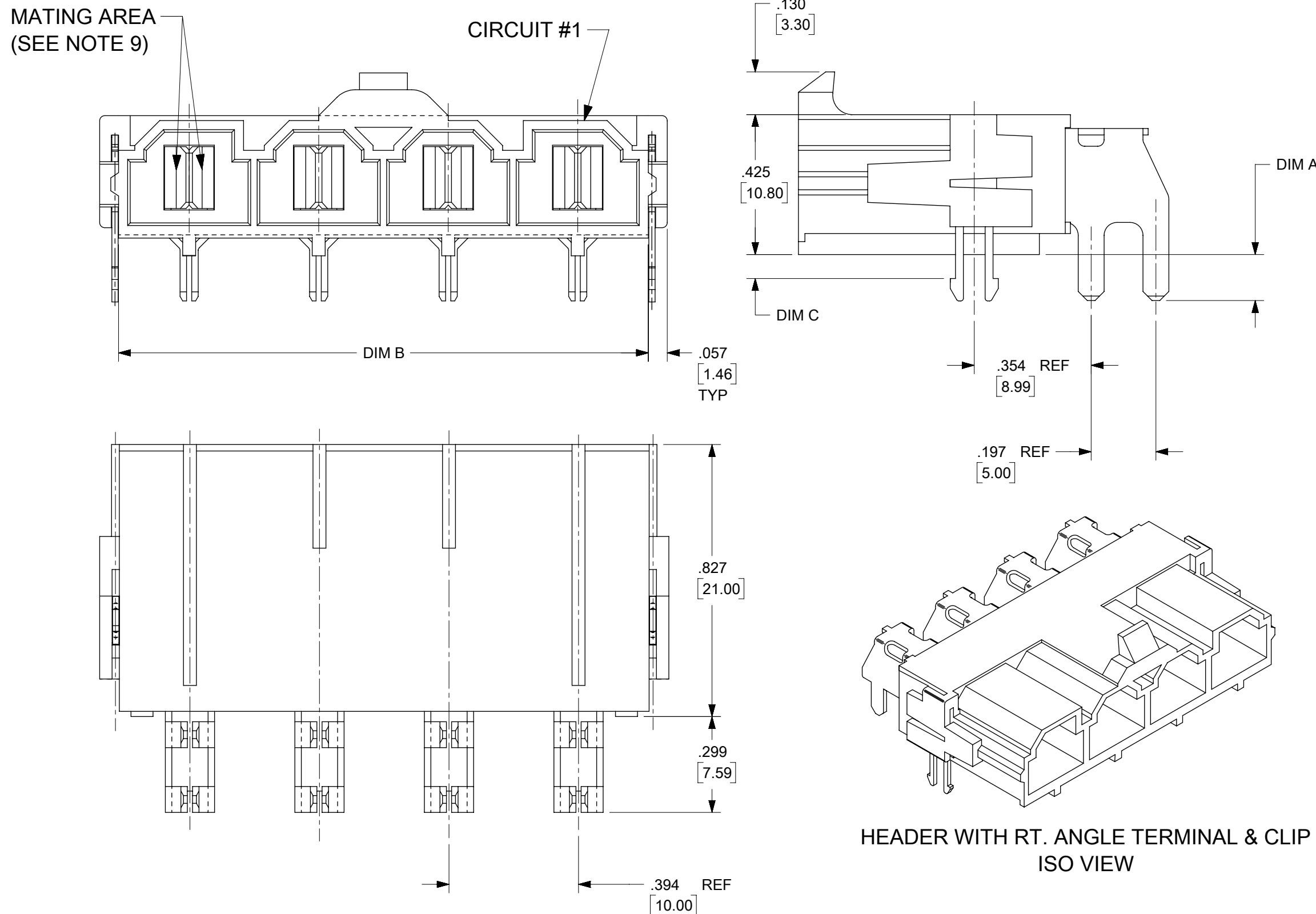


ITEM NUMBER	CKT. SIZE	DIM."A"	DIM."B"	DIM."C"	TERMINAL PLATING	CLIP PLATING	STATUS
42820-2213	2	.138/(3.50)	.823/(20.90)	.071/(1.80)	SELECT GOLD IN CONTACT AREA (SEE LEGEND)		ACTIVE
42820-2313	2	.138/(3.50)	.823/(20.90)	N/A			
42820-2223	2	.201/(5.10)	.823/(20.90)	.102/(2.60)			
42820-2233	2	.201/(5.10)	.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)			
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)			

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.
 14) FOR PN 42820**9 PLEASE REFER TO MOLEX PACAKAGING SPEC. 428204294-PK.



LEGEND :

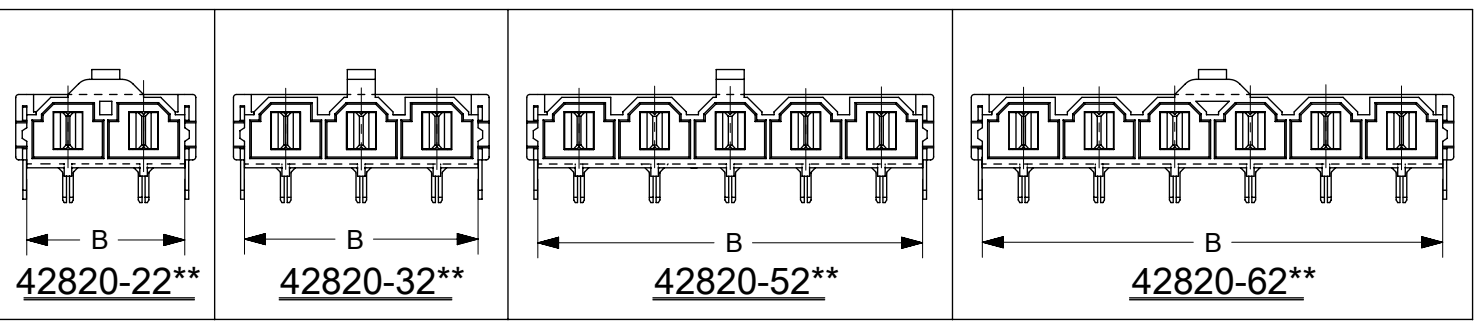
A-42820 - * * * *

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

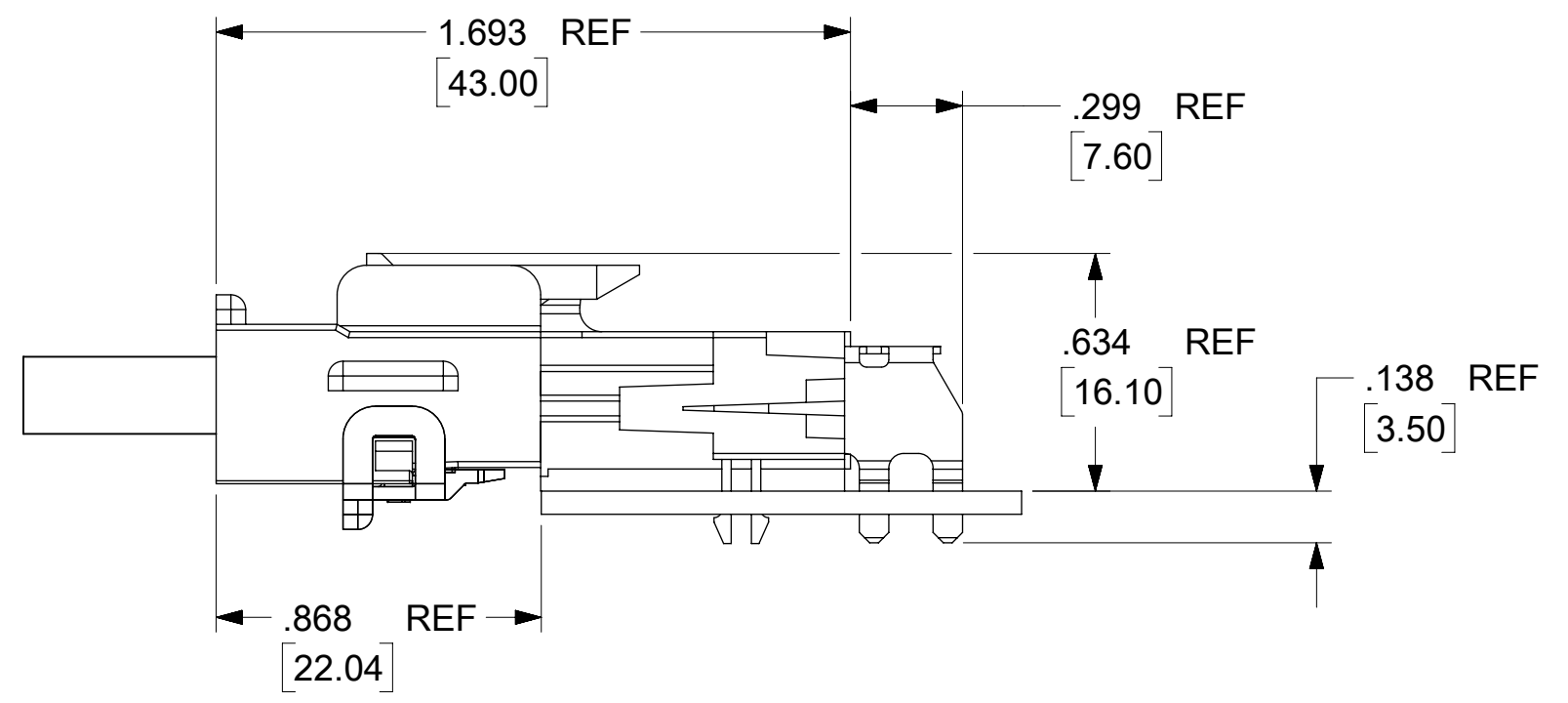
P.C. BOARD THICKNESS
 1 = .062/(1.57) NOMINAL
 2 = .093/(2.36) NOMINAL
 3 = .125/(3.18) NOMINAL
 4 = .250/(6.35) NOMINAL
 9 = .062/(1.57) NOMINAL WITH 428204294-PK (14)



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		molex					
GENERAL TOLERANCES (UNLESS SPECIFIED)				MINI-FIT SR. RIGHT ANGLE HEADER ASSEMBLY					
ANGULAR TOL ± 0.5°				PRODUCT CUSTOMER DRAWING					
4 PLACES ±				EC NO: 714707		2022/07/18		DOCUMENT NUMBER	
3 PLACES ±				DRWN: KEVINS31		2022/07/19		SDA-42820-0002	
2 PLACES ± 0.25				CHK'D: KEVINS31		2022/07/19		DOC TYPE DOC PART REVISION	
1 PLACE ± 0.4				APPR: ISHWARG		2022/07/19		PSD 001 J2	
0 PLACES ±				INITIAL REVISION:		2018/11/02		SHEET NUMBER	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: RFC_PLMIMP		2001/07/18		1 OF 2	
THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	
C-SIZE		42820		SEE CHART		GENERAL MARKET			

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		SCALE		CURRENT REV DESC:						molex	
mm		3:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 714707							
ANGULAR TOL ± 0.5°				DRWN: KEVINS31				2022/07/18			
4 PLACES ±				CHK'D: KEVINS31				2022/07/19			
3 PLACES ±				APPR: ISHWARG				2022/07/19			
2 PLACES ± 0.25				INITIAL REVISION:							
1 PLACE ± 0.4				DRWN: RFC_PLMIMP				2018/11/02			
0 PLACES ±				APPR: JCOMERCI				2001/07/18			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER	
				C-SIZE		42820		SDA-42820-0002		DOC TYPE DOC PART REVISION	
								PSD 001		J2	
								MATERIAL NUMBER		CUSTOMER	
								SEE CHART		GENERAL MARKET	
										SHEET NUMBER	
										2 OF 2	

DOCUMENT STATUS	P1	RELEASE DATE	2022/07/19	07:07:23
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