

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:						
42820-2213	2	.138/(3.50)	.823/(20.90)	.071/(1.80)	SELECT GOLD IN CONTACT AREA (SEE LEGEND)		ACTIVE	1) MATERIAL: HOUSING MATERIAL:30% GLASS-FILIED NYLON 4/6, U.L.94V-0, COLOR: BLACK. TERMINAL MATERIAL ALLOY 151.						
42820-2313	2	.138/(3.50)	.823/(20.90)	N/A				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.						
42820-2223	2	.201/(5.10)	.823/(20.90)	.102/(2.60)				4= .000100/(00254) MIN SELECT SILVER IN CONTACT AREA .000100/(.00254) MIN. SELECT TIN ON SOLDER TAILS OVER .000050/(.00127) MIN NICKEL.						
42820-2233	2	.201/(5.10)	.823/(20.90)	.134/(3.40)				3) PRODUCT SPECIFICATION: PS-42815-001.						
42820-2243	2	.327/(8.30)	.823/(20.90)	.259/(6.58)				4) PACKAGING INFORMATION SEE MOLEX PACKING SPEC. PK-42820-910						
42820-3213	3	.138/(3.50)	1.217/(30.90)	.071/(1.80)				5) PART MATES WITH MOLEX RECEPTACLE *42816-***2 WITH TPA.						
42820-3228	3	.138/(3.50)	1.217/(30.90)	.102/(2.60)				6) PART IS DESIGNED IN METRIC.						
42820-3223	3	.201/(5.10)	1.217/(30.90)	.102/(2.60)				7) AN "X" IN FRONT OF THE ITEM NUMBER INDICATES THE PART IS NOT TOOLED.						
42820-3233	3	.201/(5.10)	1.217/(30.90)	.134/(3.40)				8) PARTS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE						
42820-3243	3	.327/(8.30)	1.217/(30.90)	.259/(6.58)				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.						
42820-4213	4	.138/(3.50)	1.610/(40.90)	.071/(1.80)	SELECT MATTE TIN ON SOLDER TAILS		ACTIVE	10) PARTS CONFORMS TO CLASS 'B' REQUIRMENTS OF COSMETIC SPECIFICATIONS PS-45499-002						
42820-4223	4	.201/(5.10)	1.610/(40.90)	.102/(2.60)				11) FOR TAPE AND REEL PACKAGING REFER TO PK-45986-004						
42820-4233	4	.201/(5.10)	1.610/(40.90)	.134/(3.40)				12) BOARD CLIP HOLE MAY OR MAY NOT BE PLATED. REFER TO CHART FOR PLATED / UNPLATED CLIPS.						
42820-4243	4	.327/(8.30)	1.610/(40.90)	.259/(6.58)				13) REFER AS-42815-001 FOR TIN PLATED TERMINALS RECOMMENDED LUBRICATION PROCEDURE.						
42820-5213	5	.138/(3.50)	2.004/(50.90)	.071/(1.80)				14) FOR PN 42820**9* PLEASE REFER TO MOLEX PACAKAGING SPEC. 428204294-PK.						
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)	NONE		ACTIVE							
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)										
42820-2314	2	.138/(3.50)	.823/(20.90)	N/A	SELECT SILVER IN CONTACT AREA (SEE LEGEND)		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)										
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)	SELECT MATTE TIN ON SOLDER TAILS		ACTIVE							
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)										
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⁾														
42820-22** 42820-32** 42820-52** 42820-62**														
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
DIMENSION UNITS mm		SCALE 3:1		CURRENT REV DESC:				molex						
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 714707				MINI-FIT SR.						
ANGULAR TOL ± 0.5°				DRWN: KEVINS31 2022/07/18				RIGHT ANGLE HEADER ASSEMBLY						
4 PLACES ±				CHK'D: KEVINS31 2022/07/19				PRODUCT CUSTOMER DRAWING						
3 PLACES ±				APPR: ISHWARG 2022/07/19				DOCUMENT NUMBER						
2 PLACES ± 0.25				INITIAL REVISION:				SDA-42820-0002						
1 PLACE ± 0.4				DRWN: RFC_PLMIMP 2018/11/02				DOC TYPE						
0 PLACES ±				APPR: JCOMERCI 2001/07/18				DOC PART						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING C-SIZE		SERIES 42820		REVISION				
								MATERIAL NUMBER SEE CHART		SHEET NUMBER 1 OF 2				
DOCUMENT STATUS				P1		RELEASE DATE		2022/07/19		07:07:23				

