

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.															
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)	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)																			

MATING AREA (SEE NOTE 9)

CIRCUIT #1

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
9 = .062/(1.57) NOMINAL WITH 428204294-PK

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

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