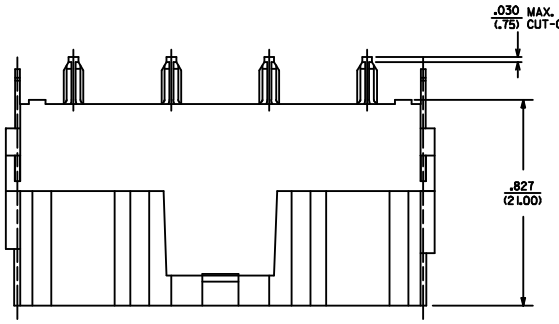
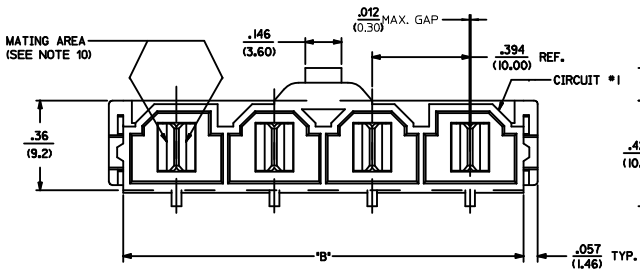
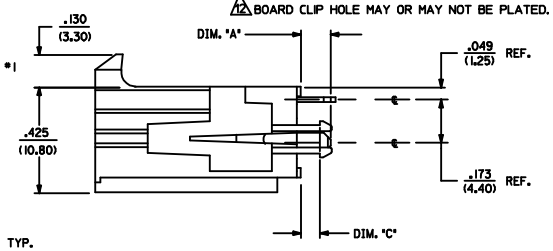
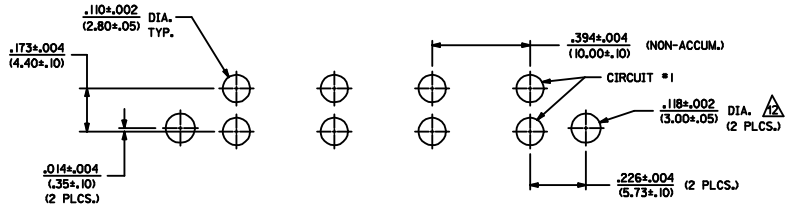
ITEM NUMBER	CKT. SIZE	DIM. "A"	DIM. "B"	DIM. "C"	TERMINAL PLATING	CLIP PLATING
42819-2212	2	.138/(3.50)	.823/(20.90)	.071/(1.80)	OVERALL BRIGHT TIN	NONE
42819-2222	2	.201/(5.10)	.823/(20.90)	.102/(2.60)		
42819-2229	2	.201/(5.10)	.823/(20.90)	.102/(2.60)		
42819-2232	2	.201/(5.10)	.823/(20.90)	.134/(3.40)		
42819-2242	2	.327/(8.30)	.823/(20.90)	.259/(6.58)		
42819-3212	3	.138/(3.50)	1.216/(30.90)	.071/(1.80)		
42819-3222	3	.201/(5.10)	1.216/(30.90)	.102/(2.60)		
42819-3232	3	.201/(5.10)	1.216/(30.90)	.134/(3.40)		
42819-3242	3	.327/(8.30)	1.216/(30.90)	.259/(6.58)		
42819-4212	4	.138/(3.50)	1.610/(40.90)	.071/(1.80)		
42819-4222	4	.201/(5.10)	1.610/(40.90)	.102/(2.60)		
42819-4232	4	.201/(5.10)	1.610/(40.90)	.134/(3.40)		
42819-4242	4	.327/(8.30)	1.610/(40.90)	.259/(6.58)		
42819-5212	5	.138/(3.50)	2.004/(50.90)	.071/(1.80)		
42819-5222	5	.201/(5.10)	2.004/(50.90)	.102/(2.60)		
42819-5232	5	.201/(5.10)	2.004/(50.90)	.134/(3.40)		
42819-5242	5	.327/(8.30)	2.004/(50.90)	.259/(6.58)		
42819-6212	6	.138/(3.50)	2.398/(60.90)	.071/(1.80)		
42819-6222	6	.201/(5.10)	2.398/(60.90)	.102/(2.60)		
42819-6232	6	.201/(5.10)	2.398/(60.90)	.134/(3.40)		
42819-6242	6	.327/(8.30)	2.398/(60.90)	.259/(6.58)		
42819-2213	2	.138/(3.50)	.823/(20.90)	.071/(1.80)	SELECT GOLD IN CONTACT AREA SELECT MATTE TIN ON SOLDER TAILS	
42819-2223	2	.201/(5.10)	.823/(20.90)	.102/(2.60)		
42819-2233	2	.201/(5.10)	.823/(20.90)	.134/(3.40)		
42819-2243	2	.327/(8.30)	.823/(20.90)	.259/(6.58)		
42819-3213	3	.138/(3.50)	1.216/(30.90)	.071/(1.80)		
42819-3223	3	.201/(5.10)	1.216/(30.90)	.102/(2.60)		
42819-3233	3	.201/(5.10)	1.216/(30.90)	.134/(3.40)		
42819-3243	3	.327/(8.30)	1.216/(30.90)	.259/(6.58)		
42819-4213	4	.138/(3.50)	1.610/(40.90)	.071/(1.80)		
42819-4223	4	.201/(5.10)	1.610/(40.90)	.102/(2.60)		
42819-4233	4	.201/(5.10)	1.610/(40.90)	.134/(3.40)		
42819-4243	4	.327/(8.30)	1.610/(40.90)	.259/(6.58)		
42819-5213	5	.138/(3.50)	2.004/(50.90)	.071/(1.80)		
42819-5223	5	.201/(5.10)	2.004/(50.90)	.102/(2.60)		
42819-5233	5	.201/(5.10)	2.004/(50.90)	.134/(3.40)		
42819-5243	5	.327/(8.30)	2.004/(50.90)	.259/(6.58)		
42819-6213	6	.138/(3.50)	2.398/(60.90)	.071/(1.80)		
42819-6223	6	.201/(5.10)	2.398/(60.90)	.102/(2.60)		
42819-6233	6	.201/(5.10)	2.398/(60.90)	.134/(3.40)		
42819-6243	6	.327/(8.30)	2.398/(60.90)	.259/(6.58)		





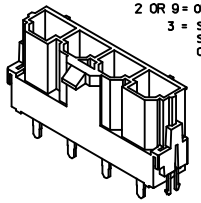




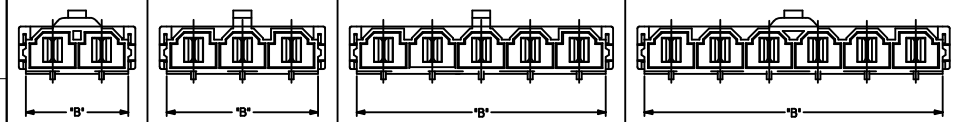
RECOMMENDED P.C. BOARD PLATED-THRU HOLE LAYOUT
(4 CKT. SHOWN FOR REF.)

NOTES:
1) MATERIAL:
HOUSING MATERIAL: 30% GLASS-FILLED NYLON4/6, 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.
.000100/(.00254) MIN. SELECT *TIN ON SOLDER TAILS
OVER .000050/(.00127) MIN. NICKEL.
* THE PRIMARY SHIPPING CARTON WILL BE LABELED
"COMPLIANT TO RoHS DIRECTIVE 2002/95/EC
AND ELV ANNEX II OF DIRECTIVE 2000/53/EC",
CARTONS WITHOUT THIS LABEL MAY CONTAIN
PRODUCT WITH TIN-LEAD.
3) PRODUCT SPECIFICATION: PS-42815-001
4) PACKAGING INFORMATION: PK-42819-2375
5) PART MATES WITH MOLEX RECEPTACLE *42816-***2 WITH T.P.A.
6) PART IS DESIGNED IN METRIC.
7) AN "X" IN FRONT OF THE ITEM NUMBER INDICATES THE PART IS NOT TOOLED.
8) THIS PART MEETS U.L. 1950 REQUIREMENTS FOR
CREEPAGE AND CLEARANCE AT 600 VAC AND 840 VDC.
9) PARTS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
10) WHEN USING OVERALL TIN PLATED TERMINALS;
FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING, MOLEX STRONGLY
RECOMMENDS THE USE OF NYE LUBRICANT (NYOGEL 760G) ON THE MATING SURFACES OF THE TERMINAL.
11) PARTS CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002
12 BOARD CLIP HOLE MAY OR MAY NOT BE PLATED. REFER TO CHART FOR PLATED / UNPLATED CLIPS.

LEGEND:
A-42819 - • • • • •
CIRCUIT SIZE (2-6)
MOUNTING OPTION
1 = FLANGES (SEE DWG. SDA-42819-*1**)
2 = 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
PLATING
2 OR 9 = OVERALL BRIGHT TIN OVER NICKEL
3 = SELECT GOLD IN CONTACT AREA
SELECT MATTE TIN ON SOLDER TAILS
OVER NICKEL



HEADER WITH VERTICAL TERMINAL & CLIP
ISO VIEW



42819-22** 42819-32** 42819-52** 42819-62**

ADD TERM. GAP DIM.
EC NO: UCP2013-0293 2012/07/23
DRWN:AELHAG 2012/07/23
CHKD:JBELL 2012/09/11
APPR:FSMITH
DESCRIPTION
REV
E6

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.40	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	AELHAG
DATE	2011/04/13
CHECKED BY	KSM
DATE	1995/12/21
APPROVED BY	
DATE	
MATERIAL NO.	SEE CHART

TITLE: VERTICAL HEADER ASSEMBLY MINIFIT SR, SERIES
molex MOLEX INCORPORATED
DOCUMENT NO. SDA-42819-0002
SHEET NO. 1 OF 1
SIZE D

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

tb_frame_D_P_ME_T
Rev. D 2004/04/02