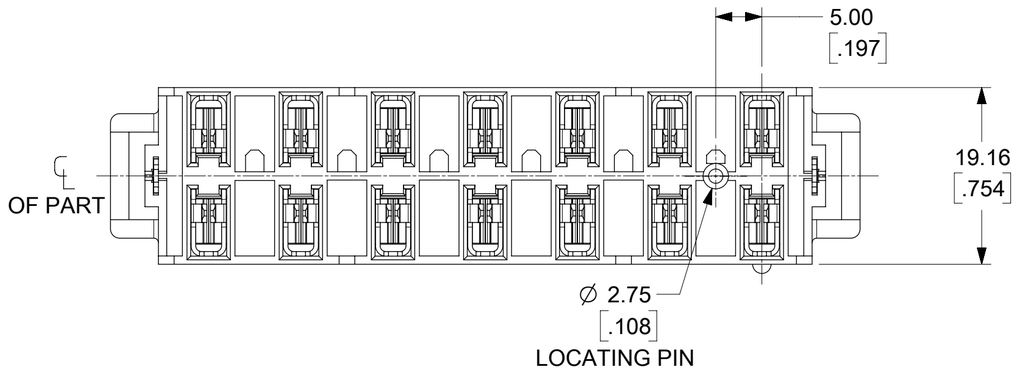
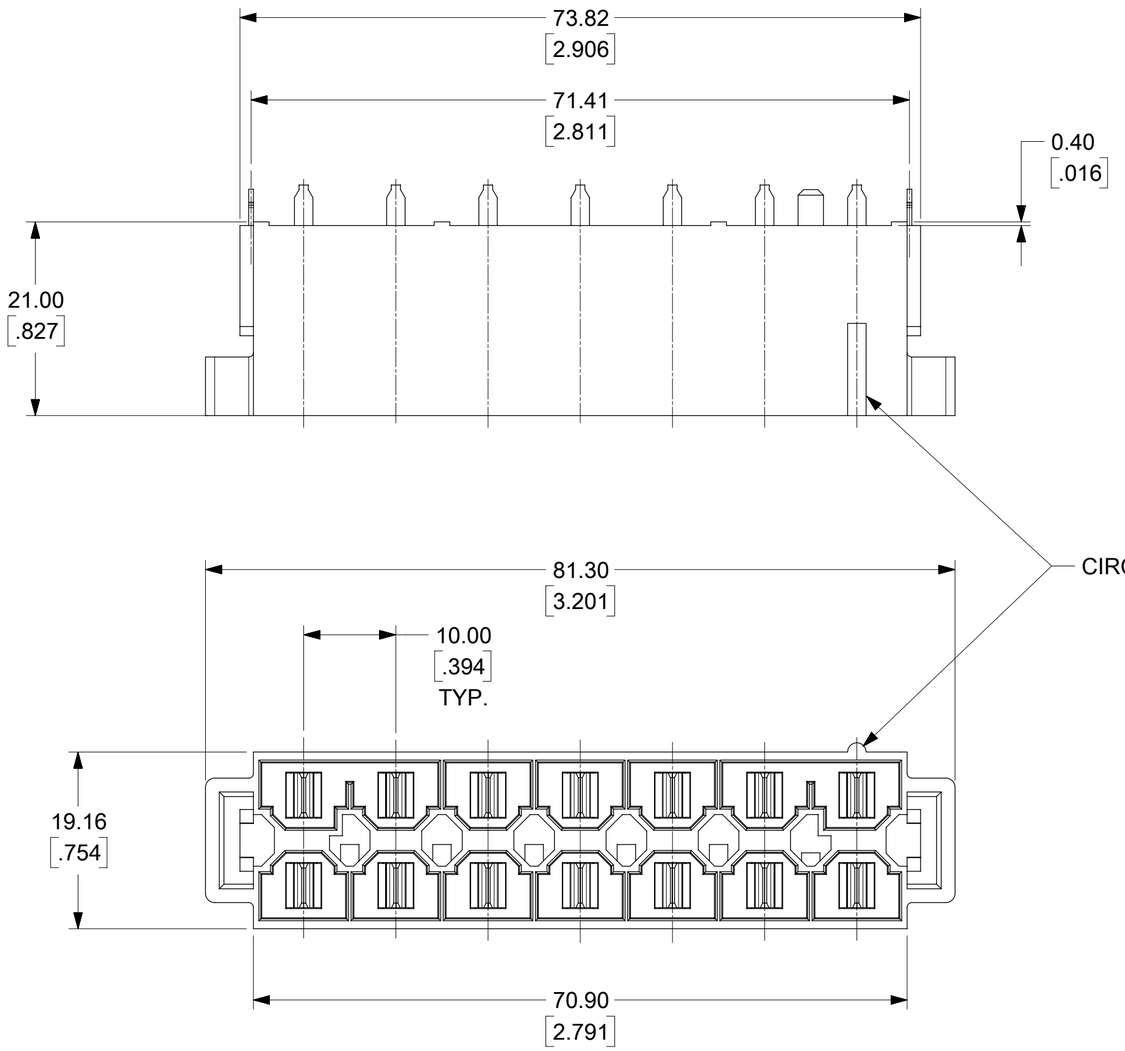
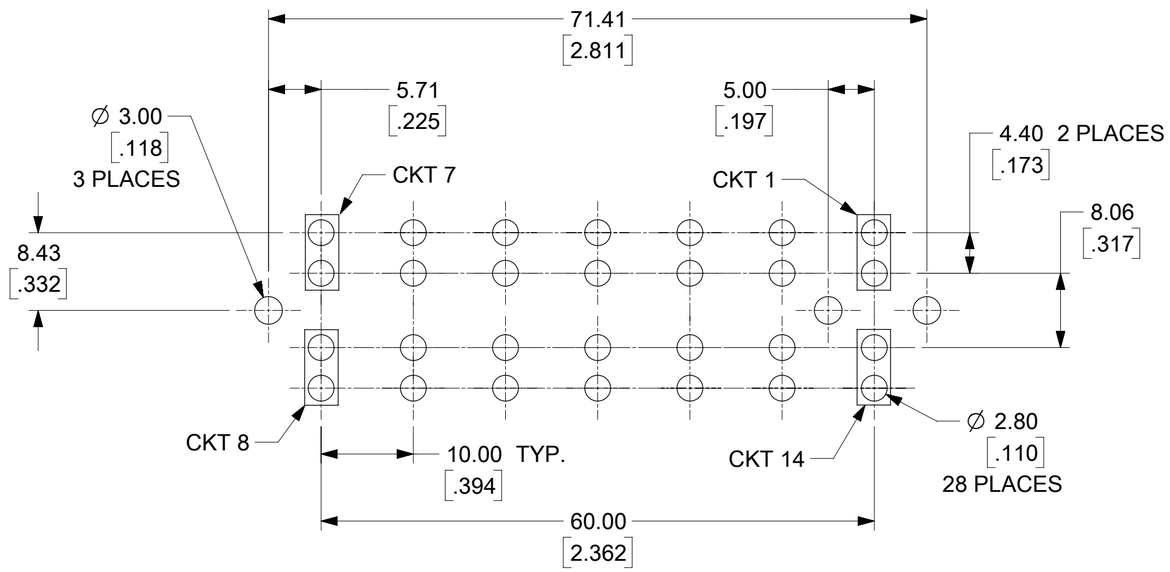
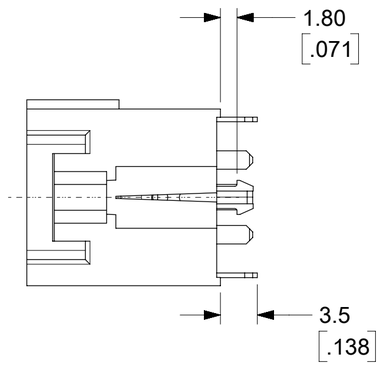
NOTES:
1. MATERIALS:
   HOUSING: 30% GLASS FILLED NYLON 4/6, U.L. 94V-0, COLOR: BLACK.
   TERMINAL: ALLOY 151 PLATING: TIN-LEAD OVER NICKEL.
2. PRODUCT SPEC.: PSX-42815-0001
3. ALL DIMENSIONS SHOWN FOR REFERENCE ONLY.
4. USES STANDARD 42874 MINI-FIT SR. HEADER TERMINALS.
5. PART MATES WITH MOLEX RECEPTACLE 43914.







RECOMMENDED P.C. BOARD PLATED-THRU HOLE LAYOUT



PROPOSAL

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
MM	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: MIGRATED TO ECTR

EC NO: 604054

DRWN:	ABABU01	2018/08/22
CHK'D:	ISHWARG	2018/09/06
APPR:	ISHWARG	2018/09/06

INITIAL REVISION:

DRWN:	COMERCI	1997/05/08
APPR:	FRY	1997/05/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 43915

molex

VERTICAL HEADER
14 CIRCUIT (MINI-FIT SR.)

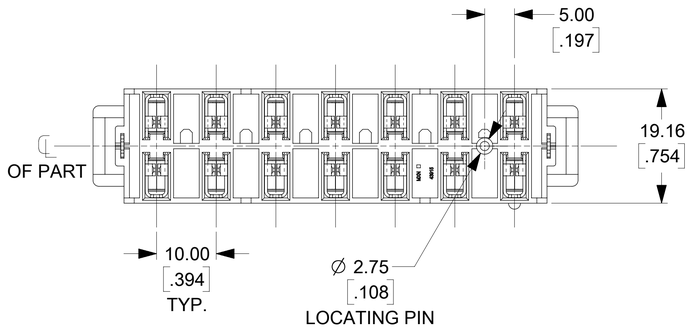
PRODUCT CUSTOMER DRAWING

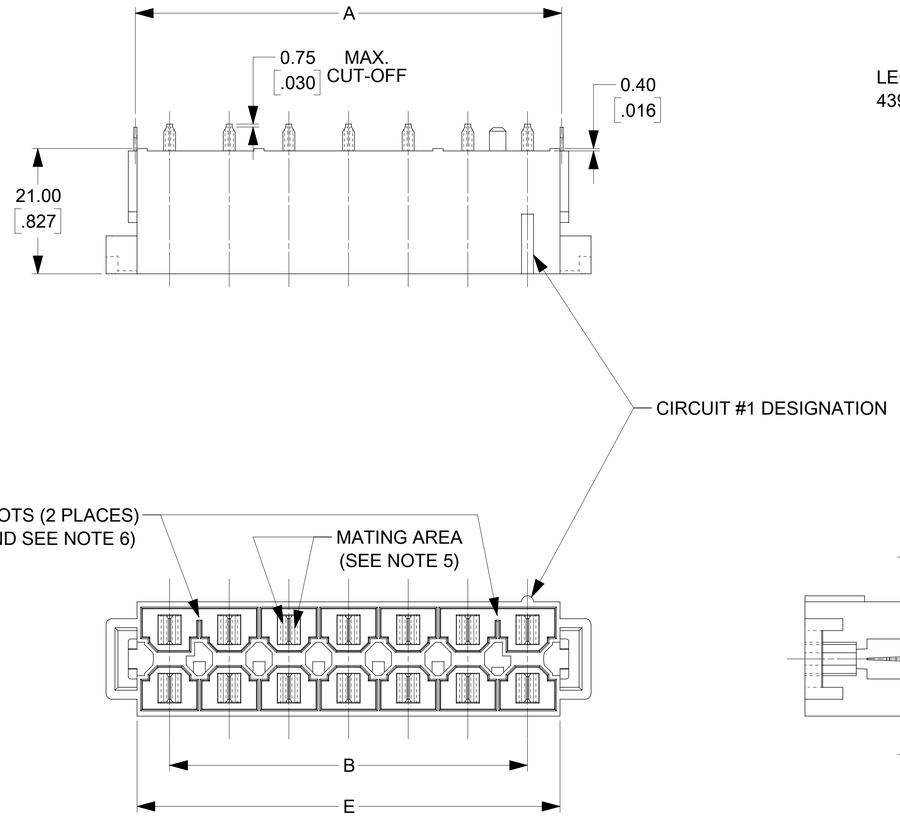
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-43915-001	PSD	001	A2

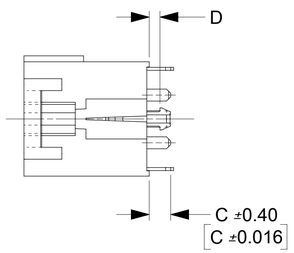
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
439151005	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2018/09/06 11:45:12

FORMAT: Eng-lega-master-tb-prod-C
REVISION: D
DATE: 2017/10/06





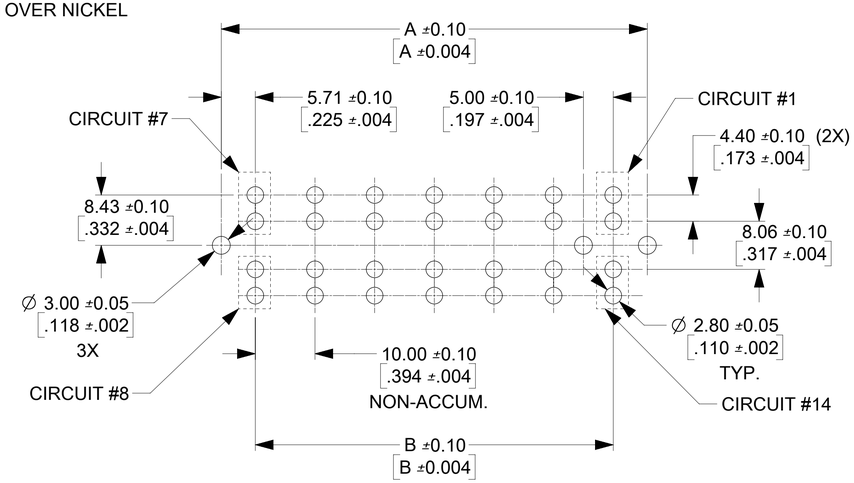


NOTES:

1. MATERIALS:
   HOUSING: 30% GLASS FILLED NYLON 4/6, U.L.94V-0, COLOR: BLACK.
   TERMINAL: ALLOY 151
   PLATING: *TIN OVER NICKEL.
   OR SELECT GOLD AND SELECT TIN OVER NICKEL
   OR SELECT SILVER AND SELECT TIN OVER NICKEL
   (SEE CHART)
   * THE PRIMARY SHIPPING CARTON WILL BE LABELED 'COMPLAINT 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.
2. PRODUCT SPEC.: PS-42815-0001
3. PARTS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
4. PART MATES WITH MOLEX RECEPTACLE 43914.
5. 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.
6. POLARIZING SLOTS TO BE LOCATED BETWEEN CIRCUITS ON EITHER END OF HOUSING OF THE CIRCUIT 1 ROW. AS SHOWN.
   EXCEPTION: THE 6 CIRCUIT HOUSING WILL HAVE A SINGLE SLOT ON THE CIRCUIT 1 END ONLY.
7. PARTS CONFORMS TO CLASS 'B' REQUIREMENTS OF COSMETIC SPEC-PS-45499-002.
8. REFER AS-42815-001 FOR TIN PLATED TERMINALS RECOMMENDED LUBRICATION PROCEDURE.

LEGEND:
439151***

PLATING:
1 OR 9 = TIN PLATING
2 = SELECT GOLD AND SELECT TIN OVER NICKEL
4 = SELECT SILVER AND SELECT TIN OVER NICKEL



RECOMMANDED P.C.BOARD PLATED-THRU HOLE LAYOUT
(14 CIRCUIT LAYOUT SHOWN)

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
MM/IN	2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.008
2 PLACES	± 0.2	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: MIGRATED TO ECTR

EC NO:	611033	
DRWN:	ME	2018/11/14
CHK'D:	MKAMATHMARAK	2019/01/25
APPR:	ISHWARG	2019/02/08

INITIAL REVISION:

DRWN:	COMERCI	1997/08/21
APPR:	KPRASAD	2009/02/09

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 43915

molex

VERTICAL HEADER
DUAL ROW, 6-14 CIRCUIT MINI-FIT SR.

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-43915-002	PSD	001	F

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/08 09:35:36

MATERIAL NUMBER	CIRCUITS	DIM .A	DIM. B	DIM. C	DIM. D	DIM. E	PCB THICKNESS	QUANTITY OF POLARIZING SLOTS	TERMINAL PLATING	STATUS
439151201	6	31.41/[1.237]	20.00/[.787)	3.50/[.137]	1.80/[.071]	30.90/[1.217]		1		
439151202	8	41.41/[1.630]	30.00/[1.181]	3.50/[.137]	1.80/[.071]	40.90/[1.610]		2		
439151203	10	51.41/[2.024]	40.00/[1.575]	3.50/[.137]	1.80/[.071]	50.90/[2.004]	1.57/[.062]	2		
439151204	12	61.41/[2.418]	50.00/[1.969]	3.50/[.137]	1.80/[.071]	60.90/[2.398]		2		
439151205	14	71.41/[2.811]	60.00/[2.362]	3.50/[.137]	1.80/[.071]	70.90/[2.791]		2		
439151206	6	31.41/[1.237]	20.00/[.787]	5.10/[.201]	2.60/[.102]	30.90/[1.217]		1		
439151207	8	41.41/[1.630]	30.00/[1.181]	5.10/[.201]	2.60/[.102]	40.90/[1.610]		2		
439151208	10	51.41/[2.024]	40.00/[1.575]	5.10/[.201]	2.60/[.102]	50.90/[2.004]	2.36/[.093]	2		
439151209	12	61.41/[2.418]	50.00/[1.969]	5.10/[.201]	2.60/[.102]	60.90/[2.398]		2		
439151210	14	71.41/[2.811]	60.00/[2.362]	5.10/[.201]	2.60/[.102]	70.90/[2.791]		2		
439151211	6	31.41/[1.237]	20.00/[.787]	5.10/[.201]	3.40/[.134]	30.90/[1.217]		1		
439151212	8	41.41/[1.630]	30.00/[1.181]	5.10/[.201]	3.40/[.134]	40.90/[1.610]		2		
439151213	10	51.41/[2.024]	40.00/[1.575]	5.10/[.201]	3.40/[.134]	50.90/[2.004]	3.18/[.125]	2		
439151214	12	61.41/[2.418]	50.00/[1.969]	5.10/[.201]	3.40/[.134]	60.90/[2.398]		2		
439151215	14	71.41/[2.811]	60.00/[2.362]	5.10/[.201]	3.40/[.134]	70.90/[2.791]		2		
439151216	6	31.41/[1.237]	20.00/[.787]	8.30/[.327]	6.58/[.259]	30.90/[1.217]		1		
439151217	8	41.41/[1.630]	30.00/[1.181]	8.30/[.327]	6.58/[.259]	40.90/[1.610]		2		
439151218	10	51.41/[2.024]	40.00/[1.575]	8.30/[.327]	6.58/[.259]	50.90/[2.004]	6.35/[.250]	2		
439151219	12	61.41/[2.418]	50.00/[1.969]	8.30/[.327]	6.58/[.259]	60.90/[2.398]		2		
439151220	14	71.41/[2.811]	60.00/[2.362]	8.30/[.327]	6.58/[.259]	70.90/[2.791]		2		
439151221	10	51.41/[2.024]	40.00/[1.575]	3.50/[.137]	2.60/[.102]	50.90/[2.004]	2.36/[.093]	2	SELECT GOLD (SEE LEGEND)	ACTIVE
439151401	6	31.41/[1.237]	20.00/[.787]	3.50/[.137]	1.80/[.071]	30.90/[1.217]		1		
439151402	8	41.41/[1.630]	30.00/[1.181]	3.50/[.137]	1.80/[.071]	40.90/[1.610]		2		
439151403	10	51.41/[2.024]	40.00/[1.575]	3.50/[.137]	1.80/[.071]	50.90/[2.004]	1.57/[.062]	2		
439151404	12	61.41/[2.418]	50.00/[1.969]	3.50/[.137]	1.80/[.071]	60.90/[2.398]		2		
439151405	14	71.41/[2.811]	60.00/[2.362]	3.50/[.137]	1.80/[.071]	70.90/[2.791]		2		
439151406	6	31.41/[1.237]	20.00/[.787]	5.10/[.201]	2.60/[.102]	30.90/[1.217]		1		
439151407	8	41.41/[1.630]	30.00/[1.181]	5.10/[.201]	2.60/[.102]	40.90/[1.610]		2		
439151408	10	51.41/[2.024]	40.00/[1.575]	5.10/[.201]	2.60/[.102]	50.90/[2.004]	2.36/[.093]	2		
439151409	12	61.41/[2.418]	50.00/[1.969]	5.10/[.201]	2.60/[.102]	60.90/[2.398]		2		
439151410	14	71.41/[2.811]	60.00/[2.362]	5.10/[.201]	2.60/[.102]	70.90/[2.791]		2		
439151411	6	31.41/[1.237]	20.00/[.787]	5.10/[.201]	3.40/[.134]	30.90/[1.217]		1		
439151412	8	41.41/[1.630]	30.00/[1.181]	5.10/[.201]	3.40/[.134]	40.90/[1.610]		2		
439151413	10	51.41/[2.024]	40.00/[1.575]	5.10/[.201]	3.40/[.134]	50.90/[2.004]	3.18/[.125]	2		
439151414	12	61.41/[2.418]	50.00/[1.969]	5.10/[.201]	3.40/[.134]	60.90/[2.398]		2		
439151415	14	71.41/[2.811]	60.00/[2.362]	5.10/[.201]	3.40/[.134]	70.90/[2.791]		2		
439151416	6	31.41/[1.237]	20.00/[.787]	8.30/[.327]	6.58/[.259]	30.90/[1.217]		1		
439151417	8	41.41/[1.630]	30.00/[1.181]	8.30/[.327]	6.58/[.259]	40.90/[1.610]		2		
439151418	10	51.41/[2.024]	40.00/[1.575]	8.30/[.327]	6.58/[.259]	50.90/[2.004]	6.35/[.250]	2		
439151419	12	61.41/[2.418]	50.00/[1.969]	8.30/[.327]	6.58/[.259]	60.90/[2.398]		2		
439151420	14	71.41/[2.811]	60.00/[2.362]	8.30/[.327]	6.58/[.259]	70.90/[2.791]		2		
439151421	10	51.41/[2.024]	40.00/[1.575]	3.50/[.137]	2.60/[.102]	50.90/[2.004]	2.36/[.093]	2	SELECT SILVER (SEE LEGEND)	ACTIVE
439151101	6	31.41/[1.237]	20.00/[.787]	3.50/[.137]	1.80/[.071]	30.90/[1.217]		1		
439151102	8	41.41/[1.630]	30.00/[1.181]	3.50/[.137]	1.80/[.071]	40.90/[1.610]		2		
439151103	10	51.41/[2.024]	40.00/[1.575]	3.50/[.137]	1.80/[.071]	50.90/[2.004]	1.57/[.062]	2		
439151104	12	61.41/[2.418]	50.00/[1.969]	3.50/[.137]	1.80/[.071]	60.90/[2.398]		2		
439151105	14	71.41/[2.811]	60.00/[2.362]	3.50/[.137]	1.80/[.071]	70.90/[2.791]		2		
439151106	6	31.41/[1.237]	20.00/[.787]	5.10/[.201]	2.60/[.102]	30.90/[1.217]		1		
439151107	8	41.41/[1.630]	30.00/[1.181]	5.10/[.201]	2.60/[.102]	40.90/[1.610]		2		
439151108	10	51.41/[2.024]	40.00/[1.575]	5.10/[.201]	2.60/[.102]	50.90/[2.004]	2.36/[.093]	2		
439151109	12	61.41/[2.418]	50.00/[1.969]	5.10/[.201]	2.60/[.102]	60.90/[2.398]		2		
439151110	14	71.41/[2.811]	60.00/[2.362]	5.10/[.201]	2.60/[.102]	70.90/[2.791]		2		
439151111	6	31.41/[1.237]	20.00/[.787]	5.10/[.201]	3.40/[.134]	30.90/[1.217]		1		
439151112	8	41.41/[1.630]	30.00/[1.181]	5.10/[.201]	3.40/[.134]	40.90/[1.610]		2		
439151113	10	51.41/[2.024]	40.00/[1.575]	5.10/[.201]	3.40/[.134]	50.90/[2.004]	3.18/[.125]	2		
439151114	12	61.41/[2.418]	50.00/[1.969]	5.10/[.201]	3.40/[.134]	60.90/[2.398]		2		
439151115	14	71.41/[2.811]	60.00/[2.362]	5.10/[.201]	3.40/[.134]	70.90/[2.791]		2		
439151116	6	31.41/[1.237]	20.00/[.787]	8.30/[.327]	6.58/[.259]	30.90/[1.217]		1		
439151117	8	41.41/[1.630]	30.00/[1.181]	8.30/[.327]	6.58/[.259]	40.90/[1.610]		2		
439151118	10	51.41/[2.024]	40.00/[1.575]	8.30/[.327]	6.58/[.259]	50.90/[2.004]	6.35/[.250]	2		
439151119	12	61.41/[2.418]	50.00/[1.969]	8.30/[.327]	6.58/[.259]	60.90/[2.398]		2		
439151120	14	71.41/[2.811]	60.00/[2.362]	8.30/[.327]	6.58/[.259]	70.90/[2.791]		2		
439151121	10	51.41/[2.024]	40.00/[1.575]	3.50/[.137]	2.60/[.102]	50.90/[2.004]	2.36/[.093]	2	OVERALL TIN	PLANNED FOR OBSOLESCENCE
439151905	14	71.41/[2.811]	60.00/[2.362]	3.50/[.137]	1.80/[.071]	70.90/[2.791]	1.57/[.062]	2		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
MM/IN	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.008
2 PLACES	± 0.2	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: MIGRATED TO ECTR

EC NO: 611033
DRWN: ME 2018/11/14
CHK'D: MKAMATHMARAK 2019/01/25
APPR: ISHWARG 2019/02/08
INITIAL REVISION:
DRWN: COMERCI 1997/08/21
APPR: KPRASAD 2009/02/09

THIRD ANGLE PROJECTION | DRAWING: D-SIZE | SERIES: 43915

molex

VERTICAL HEADER
DUAL ROW, 6-14 CIRCUIT MINI-FIT SR.

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-43915-002	PSD	001	F

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE CHART	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2019/02/08 09:35:36

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

molex:

0436802002 398800403 447642001 447691602 459705185 0436400901 190730231 190990009
397730002 760475001 152660117 152670357 190990010 417920538 447641402 0190690033
436803002 0190700155 151670255 152670269 759001161 152670251 190670071 430450225
430451220 151660057 190690096 439151216 444280402 5046940301