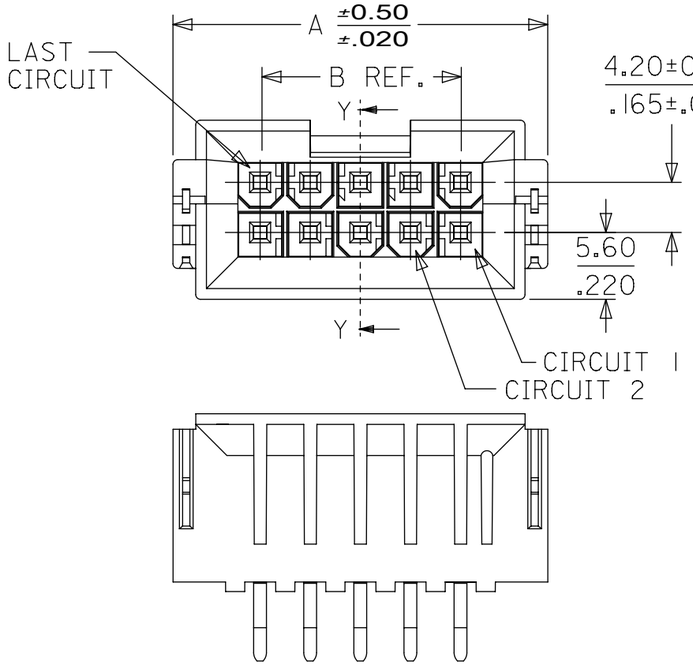
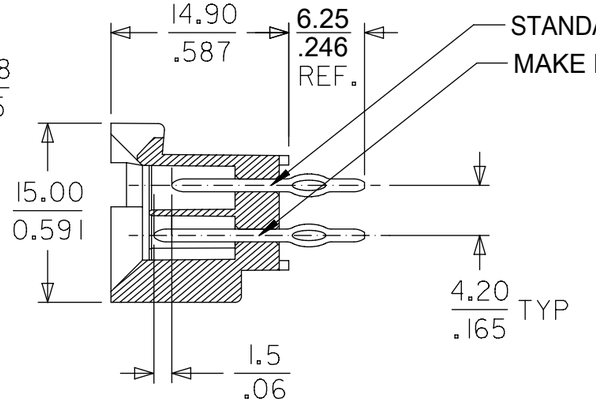
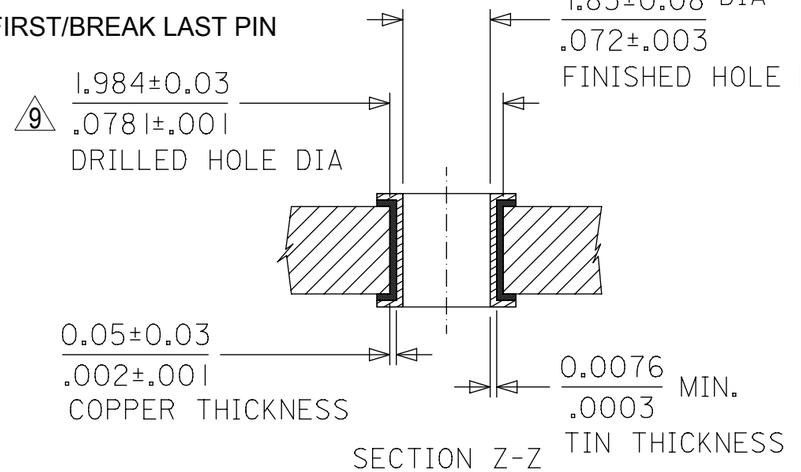


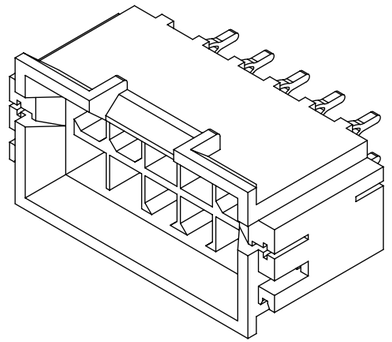


SECTION Y-Y



SECTION Z-Z
SCALE 8:1

CKT	A	B
4	18.80 .740	4.20 .165
6	23.00 .906	8.40 .331
8	27.20 1.071	12.60 .496
10	31.40 1.237	16.80 .661
12	35.60 1.402	21.00 .827
14	39.80 1.567	25.20 .992
16	44.00 1.733	29.40 1.157
18	48.20 1.898	33.60 1.323
20	52.40 2.063	37.80 1.488
22	56.60 2.229	42.00 1.654
24	60.80 2.394	46.20 1.819



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 2.24 .088 MIN.

SCALE 3:1

NOTES:
1. MATERIAL: HOUSING: GLASS FILLED NYLON, UL94 V-0, BLACK
   TERMINAL: PHOSPHOR BRONZE
   BOARD RETENTION CLIP: BRASS
2. TERMINAL FINISH:
   1 = 0.00254/.000100 MIN. BRIGHT TIN OVER 0.00127/.000050 MIN. NICKEL OVERALL
   4 = 0.00076/.000030 MIN. GOLD IN CONTACT AREA, 0.00254/.000100 MIN. MATTE TIN IN TAIL AREA OVER 0.00127/.000050 MIN. NICKEL OVERALL
   5 = 0.00254/.000100 MIN. MATTE TIN OVER 0.00127/.000050 MIN. NICKEL OVERALL
3. PRODUCT SPECIFICATION: PS-43879-001
4. PARTS ARE TRAY PACKED PER PK-43879-001
5. THIS PART MATES WITH RECEPTACLE NUMBERS 5557, 42474, 44516 AND HEADER NUMBER 42385.
6. PART ALLOWS FOR 1.27/.050 MAX. MIS-ALIGNMENT WITH MATING HOUSING IN ANY DIRECTION.
7. CONNECTOR ASSEMBLIES ARE NOT DESIGNED TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.
8. PART IS NOT DESIGNED FOR CURRENT SHARING.
9. DRILLED HOLE DIAMETER IS EQUIVALENT TO 5/64 STANDARD DRILL BIT.
10. PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
11. THIS HEADER REQUIRES A MOLEX INSERTION TOOL (62200-9400) TO PROPERLY INSTALL IT TO THE PCB.

RELEASE STATUS	P1	RELEASE DATE	2016/05/17 21:36:32

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CHG DIM 5.82 TO 6.25 2016/04/08
EC NO: 104170 2016/05/17
DRWN: CSLAFTER
CHK'D: FSMITH
APPR: FSMITH 2016/05/17
REV: G15

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.01
2 PLACES	± 0.25	± 0.014
1 PLACES	± 0.38	±
0 PLACES	±	±

ANGULAR TOL ± 2.0

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM/IN
SCALE: 2:1
DRWN BY: POLGAR DATE: 2002/12/10
CHK'D BY: MARGULIS DATE: 2002/12/17
APPR BY: FSMITH DATE: 2011/05/02
DRAWING SIZE: B
THIRD ANGLE PROJECTION

molex®

VERT. HDR. ASSY, BMI/CPI
MAKE-FIRST/BREAK-LAST MINI-FIT BMI SERIES

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
43879	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-43879-061	PSD	000	1 OF 4

FORMAT: Eng-lega-master-tb-prod-B
REVISION: C
DATE: 2016/04/04

ITEM NO.	CKT. SIZE	TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: SEE LEGEND BELOW V = VOID																						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
43879-6001	10	M1	M1	S1	M1	M1	M1	M1	M1	M1	M1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6004	14	S1	S1	S1	S1	S1	S1	S1	M1	M1	M1	M1	M1	M1	S1	–	–	–	–	–	–	–	–	–	–
43879-6005	18	S1	S1	S1	S1	S1	S1	S1	S1	S1	M1	M1	S1	S1	S1	S1	S1	S1	S1	–	–	–	–	–	–
43879-6006	14	S1	S1	M1	S1	M1	S1	M1	S1	S1	S1	S1	S1	S1	S1	–	–	–	–	–	–	–	–	–	–
43879-6008	14	S1	S1	M1	M1	S1	M1	S1	S1	S1	M1	M1	S1	S1	S1	–	–	–	–	–	–	–	–	–	–
43879-6009	18	M1	M1	M1	M1	S1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	–	–	–	–	–	–
43879-6010	6	S1	M1	M1	S1	M1	M1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6012	18	M4	M4	M4	M4	S4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	–	–	–	–	–	–
43879-6013	10	M4	S4	S4	S4	S4	M4	M4	S4	S4	M4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6014	10	S4	S4	M4	S4	S4	M4	M4	M4	S4	S4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6015	10	S4	S4	S4	S4	M4	S4	M4	S4	S4	M4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6016	10	S4	S4	M4	S4	M4	S4	M4	S4	S4	M4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6020	14	S4	S4	S4	M4	M4	M4	S4	S4	S4	S4	S4	S4	S4	S4	–	–	–	–	–	–	–	–	–	–
43879-6022	24	M4	M4	M4	S4	S4	S4	M4	S4	S4	S4	S4	S4	M4	M4	M4	S4	S4	S4	S4	S4	S4	S4	S4	S4
43879-6025	18	M4	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4	M4	M4	M4	S4	S4	M4	–	–	–	–	–	–
43879-6026	14	S1	S1	S1	M1	M1	S1	S1	S1	S1	S1	M1	M1	S1	S1	–	–	–	–	–	–	–	–	–	–
43879-6027	14	M1	M1	M1	M1	M1	M1	S1	M1	M1	M1	M1	M1	M1	S1	–	–	–	–	–	–	–	–	–	–
43879-6029	4	M1	M1	M1	M1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6030	14	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	–	–	–	–	–	–	–	–	–	–

LEGEND

* *

M = MAKE-FIRST/BREAK-LAST
S = STANDARD LENGTH

1 = BRIGHT TIN OVER NICKEL
4 = GOLD & TIN OVER NICKEL
5 = MATTE TIN OVER NICKEL

RELEASE STATUS	P1	RELEASE DATE	2016/05/17 21:36:32

FORMAT: Eng-lega-master-tb-prod-B
REVISION: C
DATE: 2016/04/04

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

CHG DIM 5.82 TO 6.25 2016/04/08
EC NO: 104170 2016/05/17
DRWN: CSLAFTER
CHK'D: FSMITH
APPR: FSMITH

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.01
2 PLACES	± 0.25	± 0.014
1 PLACES	± 0.38	±
0 PLACES	±	±

ANGULAR TOL ± 2.0

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

REV: G15

DIMENSION UNITS: MM/IN
SCALE: 2:1
DRWN BY: POLGAR DATE: 2002/12/10
CHK'D BY: MARGULIS DATE: 2002/12/17
APPR BY: FSMITH DATE: 2011/05/02
DRAWING SIZE: B
THIRD ANGLE PROJECTION

molex®

VERT. HDR. ASSY, BMI/CPI
MAKE-FIRST/BREAK-LAST MINI-FIT BMI SERIES

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
43879	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-43879-061	PSD	000	2 OF 4

ITEM NO.	CKT. SIZE	TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: SEE LEGEND BELOW V = VOID																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
43879-6031	18	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	–	–	–	–	–	–
43879-6032	24	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5
43879-6033	10	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6034	14	S1	S1	S1	S1	S1	S1	S1	M1	M1	M1	S1	S1	S1	S1	–	–	–	–	–	–	–	–	–	–
43879-6035	18	S1	S1	M1	S1	S1	S1	M1	S1	S1	S1	S1	M1	S1	S1	S1	M1	S1	S1	–	–	–	–	–	–
43879-6036	14	M4	M4	M4	M4	S4	M4	S4	M4	M4	M4	M4	M4	M4	S4	–	–	–	–	–	–	–	–	–	–
43879-6037	14	S4	S4	S4	S4	S4	S4	S4	M4	M4	M4	M4	M4	M4	S4	–	–	–	–	–	–	–	–	–	–
43879-6038	24	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	S1	M1	M1	M1	M1	S1	M1	M1	S1
43879-6039	10	M5	M5	M5	M5	M5	M5	M5	M5	M5	M5														
43879-6041	24	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1	M1
43879-6042	18	S4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	–	–	–	–	–	–
43879-6043	14	S4	S4	M4	M4	S4	M4	S4	S4	S4	M4	M4	S4	S4	S4	–	–	–	–	–	–	–	–	–	–
43879-6044	10	M4	M4	M4	M4	M4	M4	M4	M4	V	V	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6045	24	S4	S4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	S4	S4	M4	M4	M4	M4	M4	M4	M4	M4	M4	S4
43879-6046	06	M4	M4	M4	S4	M4	M4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6047	10	M1	S1	S1	M1	S1	M1	S1	S1	S1	S1	–	–	–	–	–	–	–	–	–	–	–	–	–	–
43879-6048	14	M1	M1	M1	M1	S1	M1	M1	M1	M1	M1	M1	S1	M1	M1	–	–	–	–	–	–	–	–	–	–
43879-6049	18	M1	S1	S1	S1	S1	S1	S1	S1	M1	M1	S1	S1	S1	S1	S1	S1	S1	M1	–	–	–	–	–	–
43879-6054	18	M1	M1	S1	S1	S1	S1	S1	M1	M1	M1	M1	S1	M1	S1	S1	M1	M1	M1	–	–	–	–	–	–

LEGEND

* *

M = MAKE-FIRST/BREAK-LAST
S = STANDARD LENGTH

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5 = MATTE TIN OVER NICKEL

RELEASE STATUS	P1	RELEASE DATE	2016/05/17 21:36:32

FORMAT: Eng-lega-master-tb-prod-B
REVISION: C
DATE: 2016/04/04

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CHG DIM 5.82 TO 6.25 2016/04/08
EC NO: 104170 DRWN: CSLAFTER 2016/05/17
CHK'D: FSMITH APPR: FSMITH 2016/05/17

G15 REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.01
2 PLACES	± 0.25	± 0.014
1 PLACES	± 0.38	±
0 PLACES	±	±

ANGULAR TOL ± 2.0

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM/IN
SCALE: 2:1
DRWN BY: POLGAR DATE: 2002/12/10
CHK'D BY: MARGULIS DATE: 2002/12/17
APPR BY: FSMITH DATE: 2011/05/02
DRAWING SIZE: B
THIRD ANGLE PROJECTION

molex®

VERT. HDR. ASSY, BMI/CPI
MAKE-FIRST/BREAK-LAST MINI-FIT BMI SERIES

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
43879	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-43879-061	PSD	000	3 OF 4

ITEM NO.	CKT. SIZE	TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: SEE LEGEND BELOW V = VOID																						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
43879-6055	18	S4	S4	S4	S4	M4	M4	M4	M4	M4	S4	S4	S4	S4	M4	M4	M4	M4	M4	–	–	–	–	–	–
43879-6056	14	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4	M4										

LEGEND

* *

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RELEASE STATUS	P1	RELEASE DATE	2016/05/17 21:36:32

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CHG DIM 5.82 TO 6.25 2016/04/08
EC NO: 104170 2016/05/17
DRWN: CSLAFTER
CHK'D: FSMITH 2016/05/17
APPR: FSMITH

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.01
2 PLACES	± 0.25	± 0.014
1 PLACES	± 0.38	±
0 PLACES	±	±

ANGULAR TOL ± 2.0

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

G15 REV

DIMENSION UNITS: MM/IN
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DRWN BY: POLGAR DATE: 2002/12/10
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PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
43879	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-43879-061	PSD	000	4 OF 4

FORMAT: Eng-lega-master-tb-prod-B
REVISION: C
DATE: 2016/04/04

Unikeyic Electronics

Global Electronic Components Distributor

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molex:

190990009 430451220 439151216 447691602 151660057 152670269 759001161 190730231 417920538
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436803002 5046940301 760475001 152660117 152670251 190670071 190690096 397730002
398800403 447642001 459705185 0436400901 0436802002