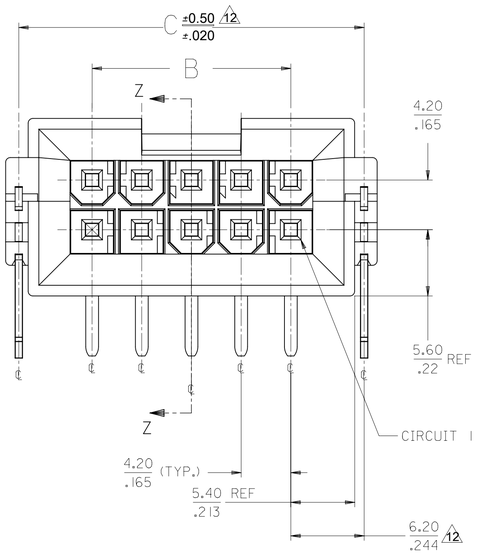
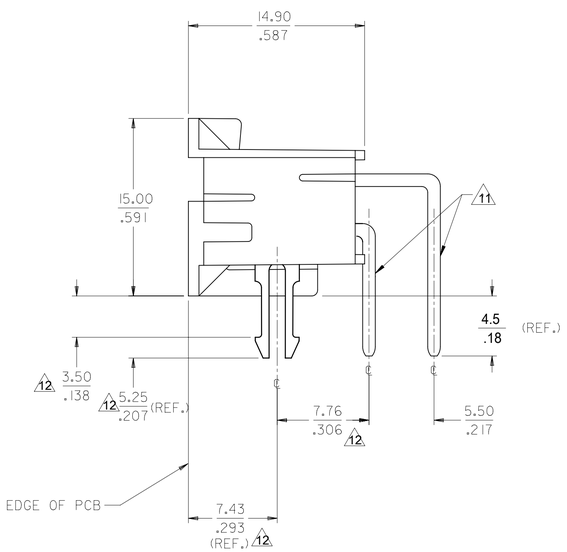
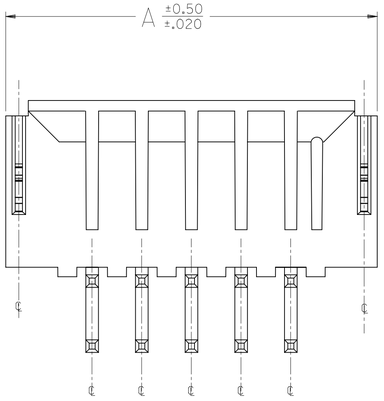
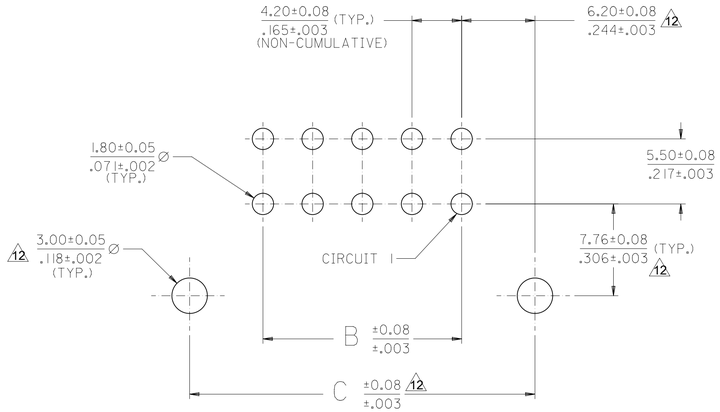


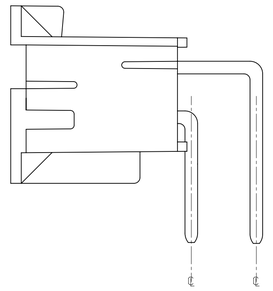




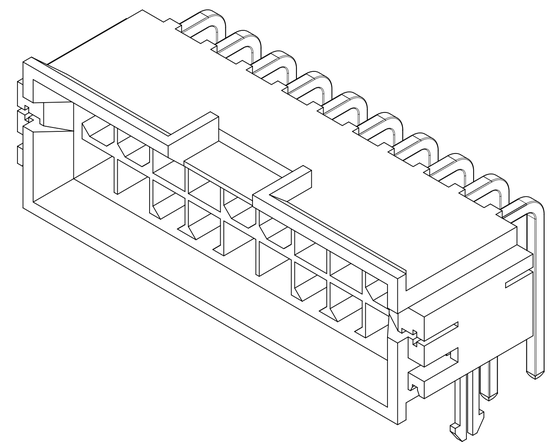


PCB LAYOUT: COMPONENT SIDE

RECOMMENDED PCB THICKNESS: 3.175±0.18 / .125±.007



HEADER ASSEMBLY
WITH NO CLIP OPTION



20 CKT SHOWN

NOTES
1) MATERIALS
HOUSING: NYLON 4/6 UL 94V-0 GLASS FILLED, COLOR: BLACK
TERMINAL: BRASS
BOARD RETENTION CLIP: BRASS
2) FINISHES:
TERMINAL:
1.=(0.00254)/.000100 MIN. BRIGHT TIN OVER
(0.00127)/.000050 MIN. NICKEL
2.=(0.00076)/.000030 MIN. SELECT GOLD AND
(0.00254)/.000100 MIN. SELECT MATTE TIN
OVER (0.00127)/.000050 MIN. NICKEL OVERALL
MOUNTING CLIP:
(0.00254)/.000100 MIN. MATTE TIN OVER
(0.00127)/.000050 MIN. NICKEL
3) PRODUCT SPECIFICATION: PS-43810-001
4) PACKAGING SPECIFICATION: PK-43810-001
5) PARTS MATES WITH MOLEX RECPTACLE #5557 AND #42474 AND #44516 AND #42385 HEADER
6) PART ALLOWS FOR (1.27)/.050 MAX MIS-ALIGNMENT WITH MATING HOUSINGS IN ANY DIRECTION
7) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE
8) PARTS ARE NOT DESIGNED FOR CURRENT SHARING
9) DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.
10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
/11 FORMING MARKS ARE ACCEPTABLE
/12 DIMENSION DOES NOT APPLY TO PARTS WITHOUT CLIP OPTION.
13) TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.

QUALITY SYMBOLS
= 0
= 0
= 0
= 0
= 0
= 0
= 0
= 0

EC NO: 114248 CONVERT TO NX 2017/02/17
DRWN: BAPPELDORN 2017/04/18
CHK'D: JBELL 2017/04/28
APPR: FSMITH

REV: J1

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

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.01
2 PLACES	± 0.25	± 0.014
1 PLACES	± 0.35	±
0 PLACES	±	±

ANGULAR TOL ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM/IN
SCALE: 4:1
DRWN BY: MANLPAZ DATE: 1997/01/06
CHK'D BY: BANDURA DATE: 1997/03/26
APPR BY: FSMITH DATE: 2012/01/19
DRAWING SIZE: D
THIRD ANGLE PROJECTION

molex®

MINI-FIT JR BMI
RIGHT ANGLE HEADER ASM FOR 3.175/.125 THK. PCB

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
43810	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-43810-051	PSD	000	1 OF 2

RELEASE STATUS		RELEASE DATE	

	MATERIAL NO.	CIRCUIT SIZE	CLIP OPTION	DIM. "A"	DIM. "B"	DIM. "C"	FINISH
	43810-0089	4	YES	18.81 / .740	4.20 / .165	16.60 / .653	1
	43810-0090	6	YES	23.01 / .906	8.40 / .331	20.80 / .819	1
N	43810-0091	8	YES	27.21 / 1.071	12.60 / .496	25.00 / .984	1
	43810-0092	10	YES	31.41 / 1.237	16.80 / .661	29.20 / 1.150	1
N	43810-0093	12	YES	35.61 / 1.402	21.00 / .828	33.40 / 1.315	1
	43810-0094	14	YES	39.81 / 1.567	25.20 / .992	37.60 / 1.480	1
N	43810-0095	16	YES	44.01 / 1.733	29.40 / 1.157	41.80 / 1.646	1
	43810-0096	18	YES	48.21 / 1.898	33.60 / 1.323	46.00 / 1.811	1
N	43810-0097	20	YES	52.41 / 2.063	37.80 / 1.488	50.20 / 1.976	1
N	43810-0098	22	YES	56.61 / 2.229	42.00 / 1.654	54.40 / 2.142	1
	43810-0099	24	YES	60.81 / 2.394	46.20 / 1.819	58.60 / 2.307	1
	43810-0100	4	YES	18.81 / .740	4.20 / .165	16.60 / .653	2
	43810-0101	6	YES	23.01 / .906	8.40 / .331	20.80 / .819	2
N	43810-0102	8	YES	27.21 / 1.071	12.60 / .496	25.00 / .984	2
	43810-0103	10	YES	31.41 / 1.237	16.80 / .661	29.20 / 1.150	2
N	43810-0104	12	YES	35.61 / 1.402	21.00 / .828	33.40 / 1.315	2
	43810-0105	14	YES	39.81 / 1.567	25.20 / .992	37.60 / 1.480	2
N	43810-0106	16	YES	44.01 / 1.733	29.40 / 1.157	41.80 / 1.646	2
	43810-0107	18	YES	48.21 / 1.898	33.60 / 1.323	46.00 / 1.811	2
N	43810-0108	20	YES	52.41 / 2.063	37.80 / 1.488	50.20 / 1.976	2
N	43810-0109	22	YES	56.61 / 2.229	42.00 / 1.654	54.40 / 2.142	2
	43810-0110	24	YES	60.81 / 2.394	46.20 / 1.819	58.60 / 2.307	2

N= NOT TOOLED

	MATERIAL NO.	CIRCUIT SIZE	CLIP OPTION	DIM. "A"	DIM. "B"	DIM. "C"	FINISH
	43810-0331	4	NO	18.81 / .740	4.20 / .165	16.60 / .653	1
	43810-0332	6	NO	23.01 / .906	8.40 / .331	20.80 / .819	1
N	43810-0333	8	NO	27.21 / 1.071	12.60 / .496	25.00 / .984	1
	43810-0334	10	NO	31.41 / 1.237	16.80 / .661	29.20 / 1.150	1
N	43810-0335	12	NO	35.61 / 1.402	21.00 / .828	33.40 / 1.315	1
	43810-0336	14	NO	39.81 / 1.567	25.20 / .992	37.60 / 1.480	1
N	43810-0337	16	NO	44.01 / 1.733	29.40 / 1.157	41.80 / 1.646	1
	43810-0338	18	NO	48.21 / 1.898	33.60 / 1.323	46.00 / 1.811	1
N	43810-0339	20	NO	52.41 / 2.063	37.80 / 1.488	50.20 / 1.976	1
N	43810-0340	22	NO	56.61 / 2.229	42.00 / 1.654	54.40 / 2.142	1
	43810-0341	24	NO	60.81 / 2.394	46.20 / 1.819	58.60 / 2.307	1
	43810-0342	4	NO	18.81 / .740	4.20 / .165	16.60 / .653	2
	43810-0343	6	NO	23.01 / .906	8.40 / .331	20.80 / .819	2
N	43810-0344	8	NO	27.21 / 1.071	12.60 / .496	25.00 / .984	2
	43810-0345	10	NO	31.41 / 1.237	16.80 / .661	29.20 / 1.150	2
N	43810-0346	12	NO	35.61 / 1.402	21.00 / .828	33.40 / 1.315	2
	43810-0347	14	NO	39.81 / 1.567	25.20 / .992	37.60 / 1.480	2
N	43810-0348	16	NO	44.01 / 1.733	29.40 / 1.157	41.80 / 1.646	2
	43810-0349	18	NO	48.21 / 1.898	33.60 / 1.323	46.00 / 1.811	2
N	43810-0350	20	NO	52.41 / 2.063	37.80 / 1.488	50.20 / 1.976	2
N	43810-0351	22	NO	56.61 / 2.229	42.00 / 1.654	54.40 / 2.142	2
	43810-0352	24	NO	60.81 / 2.394	46.20 / 1.819	58.60 / 2.307	2

N= NOT TOOLED

RELEASE STATUS		RELEASE DATE	

QUALITY SYMBOLS

= 0 (E)
= 0 (E)
= 0 (E)
= 0
= 0 (C)
= 0
= 0
= 0 (C)

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CONVERT TO NX
EC NO: 114248
DRWN: BAPPELDORN
CHK'D: JBELL
APPR: FSMITH

2017/02/17
2017/04/18
2017/04/28

REV: J1

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DIMENSION UNITS: MM/IN
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DRWN BY: MANLPAZ — DATE: 1997/01/06
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DRAWING SIZE: D
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RIGHT ANGLE HEADER ASM FOR 3.175/.125 THK. PCB

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SERIES	MATERIAL NUMBER	CUSTOMER
43810	SEE CHART	GENERAL MARKET

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-43810-051	PSD	000	2 OF 2

Molex® Engineering Proprietary Information
DATE: 2/15/2019

Unikeyic Electronics

Global Electronic Components Distributor

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430451220 152670269 190990009 397730002 0190690033 151670255 152660117 190670071
759001161 5046940301 151660057 152670251 439151216 444280402