

Excellent Integrated System Limited

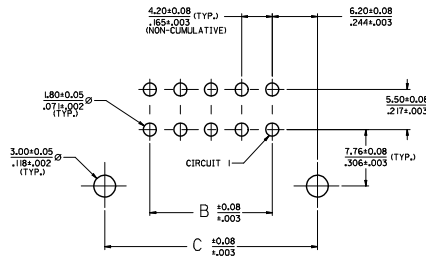
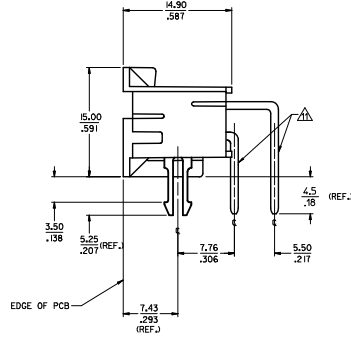
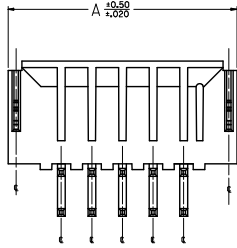
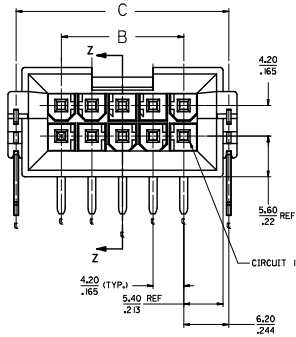
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0438100107](#)

For any questions, you can email us directly:

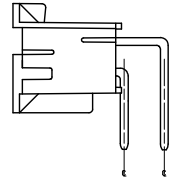
sales@integrated-circuit.com



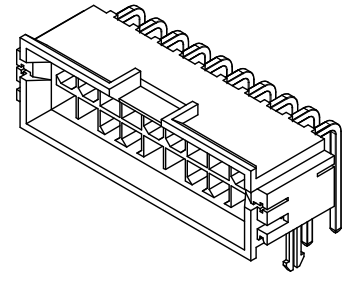
PCB LAYOUTS COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 3.175±0.18
.125±.007

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 RECEPTACLE #5557 AND #42474 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



HEADER ASSEMBLY
WITH NO CLIP OPTION



20 CKT SHOWN

CORRECT TAIL LENGTH	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
			MM	INCH			
EC NO. 102706-0526	✓=0	4 PLACES ±.005	mm	INCH	4:1	METRIC	THIRD ANGLE PROJECTION
EC NO. 102706-0526	✓=0	3 PLACES ±.010	mm	INCH	4:1	METRIC	THIRD ANGLE PROJECTION
EC NO. 102706-0526	✓=0	2 PLACES ±.025	mm	INCH	4:1	METRIC	THIRD ANGLE PROJECTION
EC NO. 102706-0526	✓=0	1 PLACE ±.035	mm	INCH	4:1	METRIC	THIRD ANGLE PROJECTION
EC NO. 102706-0526	✓=0	ANGULAR ±1/2°	mm	INCH	4:1	METRIC	THIRD ANGLE PROJECTION
EC NO. 102706-0526	✓=0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	mm	INCH	4:1	METRIC	THIRD ANGLE PROJECTION
EC NO. 102706-0526	✓=0	SEE CHART	mm	INCH	4:1	METRIC	THIRD ANGLE PROJECTION
EC NO. 102706-0526	✓=0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	mm	INCH	4:1	METRIC	THIRD ANGLE PROJECTION

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
	MATERIAL NO.	CIRCUIT SIZE	CLIP OPTION	DIM. A" .01"	DIM. B" .01"	DIM. C" .01"	FINISH	MATERIAL NO.	CIRCUIT SIZE	CLIP OPTION	DIM. A" .01"	DIM. B" .01"	DIM. C" .01"	FINISH	MATERIAL NO.	CIRCUIT SIZE	CLIP OPTION	DIM. A" .01"	DIM. B" .01"	DIM. C" .01"	FINISH	
H	438 IO-0089	4	YES	18.81 .740	4.20 .165	16.60 .653	I	438 IO-0331	4	NO	18.81 .740	4.20 .165	16.60 .653	I	438 IO-0331	4	NO	18.81 .740	4.20 .165	16.60 .653	I	H
	438 IO-0090	6	YES	23.01 .906	8.40 .331	20.80 .819	I	438 IO-0332	6	NO	23.01 .906	8.40 .331	20.80 .819	I	438 IO-0332	6	NO	23.01 .906	8.40 .331	20.80 .819	I	
N	438 IO-0091	8	YES	27.21 1.071	12.60 .496	25.00 .984	I	438 IO-0333	8	NO	27.21 1.071	12.60 .496	25.00 .984	I	438 IO-0333	8	NO	27.21 1.071	12.60 .496	25.00 .984	I	L
L	438 IO-0092	10	YES	31.41 1.237	16.80 .661	29.20 1.150	I	438 IO-0334	10	NO	31.41 1.237	16.80 .661	29.20 1.150	I	438 IO-0334	10	NO	31.41 1.237	16.80 .661	29.20 1.150	I	
N	438 IO-0093	12	YES	35.61 1.402	21.00 .828	33.40 1.315	I	438 IO-0335	12	NO	35.61 1.402	21.00 .828	33.40 1.315	I	438 IO-0335	12	NO	35.61 1.402	21.00 .828	33.40 1.315	I	K
	438 IO-0094	14	YES	39.81 1.567	25.20 .992	37.60 1.480	I	438 IO-0336	14	NO	39.81 1.567	25.20 .992	37.60 1.480	I	438 IO-0336	14	NO	39.81 1.567	25.20 .992	37.60 1.480	I	
K	438 IO-0095	16	YES	44.01 1.733	29.40 1.157	41.80 1.646	I	438 IO-0337	16	NO	44.01 1.733	29.40 1.157	41.80 1.646	I	438 IO-0337	16	NO	44.01 1.733	29.40 1.157	41.80 1.646	I	K
	438 IO-0096	18	YES	48.21 1.898	33.60 1.323	46.00 1.811	I	438 IO-0338	18	NO	48.21 1.898	33.60 1.323	46.00 1.811	I	438 IO-0338	18	NO	48.21 1.898	33.60 1.323	46.00 1.811	I	J
N	438 IO-0097	20	YES	52.41 2.063	37.80 1.488	50.20 1.976	I	438 IO-0339	20	NO	52.41 2.063	37.80 1.488	50.20 1.976	I	438 IO-0339	20	NO	52.41 2.063	37.80 1.488	50.20 1.976	I	
J	438 IO-0098	22	YES	56.61 2.229	42.00 1.654	54.40 2.142	I	438 IO-0340	22	NO	56.61 2.229	42.00 1.654	54.40 2.142	I	438 IO-0340	22	NO	56.61 2.229	42.00 1.654	54.40 2.142	I	J
	438 IO-0099	24	YES	60.81 2.394	46.20 1.819	58.60 2.307	I	438 IO-0341	24	NO	60.81 2.394	46.20 1.819	58.60 2.307	I	438 IO-0341	24	NO	60.81 2.394	46.20 1.819	58.60 2.307	I	
I	438 IO-0100	4	YES	18.81 .740	4.20 .165	16.60 .653	2	438 IO-0342	4	NO	18.81 .740	4.20 .165	16.60 .653	2	438 IO-0342	4	NO	18.81 .740	4.20 .165	16.60 .653	2	
	438 IO-0101	6	YES	23.01 .906	8.40 .331	20.80 .819	2	438 IO-0343	6	NO	23.01 .906	8.40 .331	20.80 .819	2	438 IO-0343	6	NO	23.01 .906	8.40 .331	20.80 .819	2	I
N	438 IO-0102	8	YES	27.21 1.071	12.60 .496	25.00 .984	2	438 IO-0344	8	NO	27.21 1.071	12.60 .496	25.00 .984	2	438 IO-0344	8	NO	27.21 1.071	12.60 .496	25.00 .984	2	
	438 IO-0103	10	YES	31.41 1.237	16.80 .661	29.20 1.150	2	438 IO-0345	10	NO	31.41 1.237	16.80 .661	29.20 1.150	2	438 IO-0345	10	NO	31.41 1.237	16.80 .661	29.20 1.150	2	H
H	438 IO-0104	12	YES	35.61 1.402	21.00 .828	33.40 1.315	2	438 IO-0346	12	NO	35.61 1.402	21.00 .828	33.40 1.315	2	438 IO-0346	12	NO	35.61 1.402	21.00 .828	33.40 1.315	2	
	438 IO-0105	14	YES	39.81 1.567	25.20 .992	37.60 1.480	2	438 IO-0347	14	NO	39.81 1.567	25.20 .992	37.60 1.480	2	438 IO-0347	14	NO	39.81 1.567	25.20 .992	37.60 1.480	2	H
N	438 IO-0106	16	YES	44.01 1.733	29.40 1.157	41.80 1.646	2	438 IO-0348	16	NO	44.01 1.733	29.40 1.157	41.80 1.646	2	438 IO-0348	16	NO	44.01 1.733	29.40 1.157	41.80 1.646	2	
G	438 IO-0107	18	YES	48.21 1.898	33.60 1.323	46.00 1.811	2	438 IO-0349	18	NO	48.21 1.898	33.60 1.323	46.00 1.811	2	438 IO-0349	18	NO	48.21 1.898	33.60 1.323	46.00 1.811	2	G
	438 IO-0108	20	YES	52.41 2.063	37.80 1.488	50.20 1.976	2	438 IO-0350	20	NO	52.41 2.063	37.80 1.488	50.20 1.976	2	438 IO-0350	20	NO	52.41 2.063	37.80 1.488	50.20 1.976	2	
N	438 IO-0109	22	YES	56.61 2.229	42.00 1.654	54.40 2.142	2	438 IO-0351	22	NO	56.61 2.229	42.00 1.654	54.40 2.142	2	438 IO-0351	22	NO	56.61 2.229	42.00 1.654	54.40 2.142	2	F
F	438 IO-0110	24	YES	60.81 2.394	46.20 1.819	58.60 2.307	2	438 IO-0352	24	NO	60.81 2.394	46.20 1.819	58.60 2.307	2	438 IO-0352	24	NO	60.81 2.394	46.20 1.819	58.60 2.307	2	
	N= NOT TOOLED							N= NOT TOOLED														
E																					E	
D																					D	
C																					C	
B																					B	
A																					A	
	10_Frame_0_P_Aut_T Rev. F 2009/06/17																					

SEE SHEET 1
ECN NO. 107206-0596
2015/08/07
DRAWS-MONT
CHKD-BELL
2015/08/07
APPROV-SMITH
2015/09/12
REV 1

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm
INCH
4 PLACES ±.000 ±.000
3 PLACES ±.000 ±.010
2 PLACES ±.025 ±.014
1 PLACE ±.035 ±.000
ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM/IN

DRAWN BY
MAN,PAZ
DATE
01-06-97

CHECKED BY
BANDURA
DATE
03-26-97

APPROVED BY
FSM,TH
DATE
2012/01/19

PARTIAL NO.
DOCUMENT NO.
SD-43810-051

TITLE
MINI-FIT JR BM
RIGHT ANGLE HEADER ASM
FOR 3.175/1.125 THK PCB
MOLEX INCORPORATED

SHEET NO.
2 OF 2

10_Frame_0_P_Aut_T
Rev. F 2009/06/17 |

SEE SHEET 1 EC No. 107206-0596 2015/08/07 DRAWN: MONT CHKD: BELL APPROVED: J 2015/09/12	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ±.005 3 PLACES ±.010 2 PLACES ±.025 1 PLACE ±.035 ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRIMSON STYLE MM/IN DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE MATERIAL NO. DOCUMENT NO.	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE MINI-FIT JR BM RIGHT ANGLE HEADER ASM FOR 3.175/125 THK PCB MOLEX INCORPORATED SD-43810-051 2 OF 2