

CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
2	.520 (13.20)	—	.425 (10.80)	.370 (9.40)	.21 (5.4)
4	.685 (17.40)	.17 (4.2)	.590 (15.00)	.535 (13.60)	.38 (9.6)
6	.850 (21.60)	.33 (8.4)	.756 (19.20)	.701 (17.80)	.54 (13.8)
8	1.016 (25.80)	.50 (12.6)	.921 (23.40)	.866 (22.00)	.71 (18.0)
10	1.181 (30.00)	.66 (16.8)	1.087 (27.60)	1.031 (26.20)	.87 (22.2)
12	1.346 (34.20)	.83 (21.0)	1.252 (31.80)	1.197 (30.40)	1.04 (26.4)
14	1.512 (38.40)	.99 (25.2)	1.417 (36.00)	1.362 (34.60)	1.20 (30.6)
16	1.677 (42.60)	1.16 (29.4)	1.583 (40.20)	1.528 (38.80)	1.37 (34.8)
18	1.843 (46.80)	1.32 (33.6)	1.748 (44.40)	1.693 (43.00)	1.54 (39.0)
20	2.008 (51.00)	1.49 (37.8)	1.913 (48.60)	1.858 (47.20)	1.70 (43.2)
22	2.173 (55.20)	1.65 (42.0)	2.079 (52.80)	2.024 (51.40)	1.87 (47.4)
24	2.339 (59.40)	1.82 (46.2)	2.244 (57.00)	2.189 (55.60)	2.03 (51.6)

NOTES:

1) MATERIAL:

HOUSING MATERIAL:

A=NYLON 6/6, UNFILLED UL94 V-2, COLOR: NATURAL

B=NYLON 6/6, UNFILLED UL94 V-0, COLOR: NATURAL

TERMINALS: BRASS

2) TERMINAL PLATING:

A=.000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL

D=.000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL

E=.000030/(0.00076) MIN. SELECT GOLD AND .000100/(0.00254) MIN. SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

3) PRODUCT SPECIFICATION: PS-5556-002

4) PACKAGING: TRAY PACK PER PK-42440-001

5) PART MATES WITH MINI-FIT RECEPTACLES 5557, 42474.44516 AND BMI HEADER 42385.

6) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.

7) THIS PART IS NOT DESIGNED FOR CURRENT SHARING.

8) CONNECTOR ASSEMBLIES ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.

9) RIB LOCATION IS DETERMINED BY MOLD DESIGN FOR MANUFACTURING EASE AND THE LOCATION DOES NOT AFFECT PART FUNCTION OR PERFORMANCE. LOCATION OF RIBS MAY VARY ON PARTS WITHIN MANUFACTURING LOT OR SHIPMENT. THIS DRAWING SHOWS TYPICAL RIB LOCATIONS.

10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION' PS-45499-002.

LAST CKT.

CKT NO 2.

CKT NO 1.

"C" REF.

"A" REF.

.098
(2.50)

.008
(0.20)

.165
(4.20)

.21
(5.4) REF.

.22
(5.6) REF.

SEE NOTE 9

REF. .045
(1.14)

.165
(4.20) TYP.

.106
(2.70)

OF P.C. BOARD HOLES

.165
(4.20) REF.

.071
(1.80)

.073
(1.85)

.024
(0.60) REF.

.217
(5.50)

.59
(15.0)

.38
(9.6)

.026
(.65) REF.

.059
(1.50)

.55
(14.1)

.14 ±.016
(3.5)±0.40

RIB INDICATES CIRCUIT #1

CKT. NO. 1

"C" REF.

.098
(2.50)

.008
(0.20)

.165
(4.20)

.21
(5.4) REF.

"A" REF.

.22
(5.6) REF.

4 CKT SHOWN

"D" ±.003
(±0.08)

.020±.003
(0.50±0.08)

.217±.004
(5.50±0.10)

.185±.003
(4.70±0.08)

.165±.004
(4.20±0.10)

.055±.002
(1.40±0.05) DIA. TYP.

.118±.002
(3.00±0.05) DIA.

NON-ACCUMULATIVE

CKT. NO. 1

RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD

ADD 43459-0055

EC NO: UCP2015-1722

DRWN:DFOX

CHKD:JBELL

APPR:FSMITH

2014/10/23

2014/10/23

2014/10/27

REV

DESCRIPTION

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES ± --- ± ---

3 PLACES ± --- ± .010

2 PLACES ± .025 ± .014

1 PLACE ± 0.36 ± ---

0 PLACE ± --- ± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

IN/MM

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

SEE CHART

SIZE

C

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

SCALE

2:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

2-24 CKT. VERT. HEADER

MINI-FIT B.M.I.

MAKE FIRST/BREAK LAST

molex

DOCUMENT NO.

SDA-43459-****

SHEET NO.

1 OF 3

13

12

11

10

9

8

7

6

5

4

3

2

1

J

I

H

G

F

E

D

C

B

A

		13	12	11	10	9	8	7	6	5	4	3	2	1																
J		ITEM NO.	CHARACTERISTIC DESCRIPTION	TERMINAL VERSION REQUIRED AT EACH CIRCUT LOCATION; (SEE CODES AT RIGHT)																								TERM. CODES FOR CHART AT LEFT		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TERMINAL NO.	PLATING / MATERIAL			
		43459-0001	04AAA	I	I	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I=MAKE-FIRST	A	BRASS	
		43459-0002	04BAA	I	I	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----	
I		43459-0003	04AAA	I	I	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3=MAKE-FIRST	E	BRASS		
		43459-0004	04BAA	I	I	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----		
		43459-0005	IOAAD	5	5	5	5	5		5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	5=MAKE-FIRST	D	BRASS		
		43459-0006	IOBAD	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----		
H		43459-0007	IOAAE	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----		
		43459-0008	IOBAE	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	8=STANDARD	A	BRASS		
		43459-0009	IBAAD	9	9	9	9	5	5	9	9	9	9	9	9	9	5	5	9	9	9	-	-	-	-	-	9=STANDARD	D	BRASS	
		43459-0011	24AAD	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	10=STANDARD	E	BRASS	
G		43459-0012	24BAD	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
		43459-0013	24BAD	9	9	9	9	9	9	9	9	9	9	9	9	9	5	9	9	9	9	9	9	9	9	9				
		43459-0014	IBBAD	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-				
		43459-0015	IBBAE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-				
F		43459-0016	I4BAD	5	5	5	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-	-	-	-					
		43459-0017	IBBAD	9	9	9	9	5	5	9	9	9	9	9	9	9	5	5	9	9	9	-	-	-	-	-				
		43459-0018	IOAAA	8	8	8	8	8	8	8	I	I	I	-	-	-	-	-	-	-	-	-	-	-	-	-				
		43459-0019	IOBAE	3	3	3	IO	IO	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-				
E		43459-0020	IBAAE	IO	-	IO	IO	IO	IO	IO	IO	IO	3	3	IO	IO	IO	IO	IO	IO	-	-	-	-	-					
		43459-0021	IOAAD	5	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-				
		43459-0022	IOAAD	5	9	9	9	9	5	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-				
		43459-0023	I4AAD	5	9	9	9	9	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-				
D		43459-0024	I4AAD	5	9	9	9	9	9	9	5	9	9	9	9	9	-	-	-	-	-	-	-	-	-					
		43459-0025	IBBAE	IO	IO	IO	IO	IO	IO	IO	-	IO	IO	IO	IO	IO	IO	3	-	IO	-	-	-	-	-	-				
		43459-0026	IOBAE	IO	-	IO	-	IO	IO	-	IO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		43459-0027	24BAE	IO	IO	IO	IO	IO	IO	IO	IO	IO	-	IO	IO	IO	IO	IO	IO	IO	IO	IO	IO	IO	IO	-	IO			
C		43459-0028	24AAE	3	IO	IO	IO	IO	IO	IO	IO	IO	IO	IO	3	3	IO	IO	IO	IO	IO	IO	IO	IO	IO	3				
		43459-0029	I4BAE	IO	IO	IO	IO	IO	IO	IO	IO	IO	3	IO	IO	IO	IO	-	-	-	-	-	-	-	-	-				
		43459-0030	04BAE	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		43459-0031	IBBAE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-			
B		43459-0032	IOBAE	3	IO	IO	IO	IO	3	IO	IO	IO	-	-	-	-	-	-	-	-	-	-	-	-	-					
		43459-0033	I4BAE	3	IO	IO	IO	IO	IO	3	IO	IO	IO	IO	IO	IO	IO	-	-	-	-	-	-	-	-	-				
		43459-0034	I4BAE	IO	IO	IO	IO	IO	IO	IO	IO	IO	3	IO	IO	IO	-	-	-	-	-	-	-	-	-	-				
A		SEE SHEET 1 EC NO: UCP2015-1722 DRWN: JDFX CHKD: JELL APPR: FSMITH 2014/10/23 2014/10/23 2014/10/27 REV QUALITY SYMBOLS ▽=0 ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- 3 PLACES ± --- 2 PLACES ± 0.25 1 PLACE ± 0.36 0 PLACE ± --- mm INCH ± --- ± --- ± .010 ± .014 ± --- ± --- ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM DRAWN BY DATE AFG 1994/12/07 CHECKED BY DATE RJF 1994/12/07 APPROVED BY DATE FSMITH 2012/05/22 SCALE 1:1 TITLE 2-24 CKT. VERT. HEADER MINI-FIT B.M.I. MAKE FIRST/BREAK LAST DESIGN UNITS METRIC THIRD ANGLE PROJECTION DOCUMENT NO. SDA-43459-**** SHEET NO. 2 OF 3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																												
		12	11	10	9	8	7	6	5	4	3	2	1																	

13		12		11		10		9		8		7		6		5		4		3		2		1									
ITEM NO.		CHARACTERISTIC DESCRIPTION		TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: (SEE CODES AT RIGHT)																								TERM. CODES FOR CHART AT LEFT					
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TERMINAL NO.	PLATING /	MATERIAL			
J	43459-0035	10BAD		5	9	9	9	9	5	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I=MAKE-FIRST	A	BRASS			
	43459-0036	10BAE		10	3	10	10	10	10	3	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----				
	43459-0037	10BAE		3	10	10	10	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	3=MAKE-FIRST	E	BRASS				
I	43459-0038	24AAD		9	9	9	9	9	9	9	9	9	9	5	9	9	9	9	9	9	9	9	9	9	9	9	9	----	---	----			
	43459-0039	14BAE		3	10	10	10	10	10	10	3	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-	5=MAKE-FIRST	D	BRASS				
	43459-0040	10AAD		9	9	9	9	9	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----				
H	43459-0041	6AAA	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----				
	43459-0042	18BAE		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	10	10	-	-	-	-	-	8=STANDARD	A	BRASS				
	43459-0043	24AAA		8	8	8	8	8	8	8	-	1	1	-	8	8	8	8	8	8	8	8	-	1	1	-	8	9=STANDARD	D	BRASS			
G	43459-0044	10BAE		10	10	10	3	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	10=STANDARD	E	BRASS				
	43459-0045	10BAE		10	3	3	10	10	3	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-							
	43459-0046	10BAE		10	10	10	10	10	10	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-							
F	43459-0047	24BAE		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3							
	43459-0048	04BAD		9	5	5	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	43459-0049	04BAE		10	3	3	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
E	43459-0050	18BAE		3	3	3	3	3	3	3	3	3	10	3	3	3	3	3	3	3	-	-	-	-	-	-							
	43459-0052	24BAD		9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9							
	43459-0053	24BAE		10	10	10	10	3	3	3	10	10	10	10	10	10	10	10	3	3	3	10	10	10	10	10	10						
D	43459-0054	24BAA		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1							
	43459-0055	14BAA		8	8	8	1	1	8	8	8	8	8	1	8	8	8	-	-	-	-	-	-	-	-	-							
"0" = OBSOLETE																																	
CIRCUIT SIZE: _____																																	
(02-24)																																	
HOUSING MATERIAL AND OPTIONS: _____																																	
A=NYLON 6/6, U.L. 94V-2, COLOR: NATURAL.																																	
B=NYLON 6/6, U.L. 94V-0, COLOR: NATURAL.																																	
TERMINAL MATERIAL: _____																																	
A=BRASS																																	
TERMINAL PLATING (SEE NOTE 2): _____																																	
A=.000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL																																	
D=.000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL																																	
E=.000030/(0.00076) MIN. SELECT GOLD AND .000100/(0.00254) MIN. SELECT																																	
MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL																																	
SEE SHEET 1																																	
EC NO: UCP2015-1722																																	
2014/10/23																																	
DRWN:JDFOX																																	
2014/10/23																																	
CHKD:JBELL																																	
2014/10/27																																	
APPR:FSMITH																																	
REV																																	
QUALITY SYMBOLS																																	
▽=0																																	
▽=0																																	
▽=0																																	
GENERAL TOLERANCES (UNLESS SPECIFIED)																																	
mm INCH																																	
4 PLACES ± --- ± ---																																	
3 PLACES ± --- ± .010																																	
2 PLACES ± 0.25 ± .014																																	
1 PLACE ± 0.36 ± ---																																	
0 PLACE ± --- ± ---																																	
ANGULAR ±1/2°																																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																																	
MATERIAL NO.																																	
SEE CHART																																	
DOCUMENT NO.																																	
SDA-43459-****																																	
SHEET NO.																																	
3 OF 3																																	
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																	
1b_frame_C_P_AM_T		12		11		10		9		8		7		6		5		4		3		2		1									
Rev. G 2012/01/11																																	