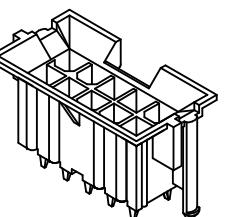
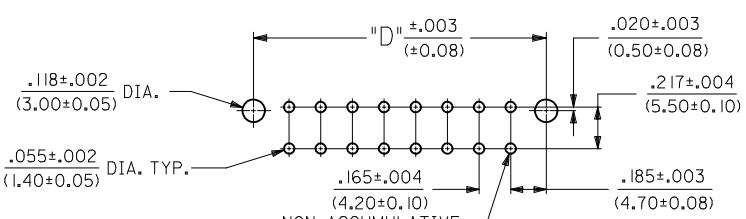
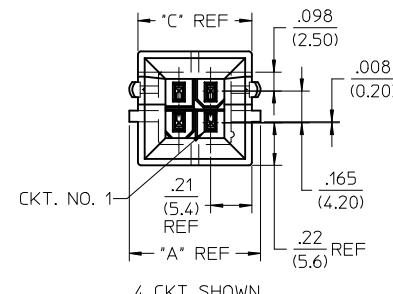
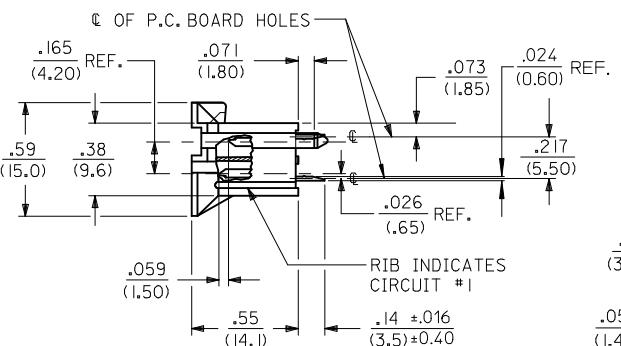


CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"	DIM. "D"	DIM. "E"
2	.520 (13.20)	—	.425 (10.80)	.370 (9.40)	.21 (5.4)
4	.685 (17.40)	.17 (4.2)	.590 (15.00)	.535 (13.60)	.38 (9.6)
6	.850 (21.60)	.33 (8.4)	.756 (19.20)	.701 (17.80)	.54 (13.8)
8	1.016 (25.80)	.50 (12.6)	.921 (23.40)	.866 (22.00)	.71 (18.0)
10	1.181 (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/.000254 MIN. MATTE TIN OVER .000050/.000127 MIN. NICKEL  
D=.000100/.000254 MIN. BRIGHT TIN OVER .000050/.000127 MIN. NICKEL  
E=.000030/.000076 MIN. SELECT GOLD AND .000100/.000254 MIN. SELECT MATTE TIN OVER .000050/.000127 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/.254 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.



RECOMMENDED HOLE LAYOUT FOR .070/.178 MAX. THICK P.C. BOARD

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY	DATE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	mm	INCH					
$\nabla = 0$	$\pm ---$	$\pm ---$	AFG	1994/12/07	2:1	METRIC	
$\nabla = 0$	$\pm ---$	$\pm .010$	CHECKED BY				
$\nabla = 0$	$\pm .025$	$\pm .014$	RJF	1994/12/07			
$\nabla = 0$	$\pm .36$	$\pm ---$	APPROVED BY				
0 PLACE	$\pm ---$	$\pm ---$	FSMITH	2012/05/22			
ANGULAR $\pm 1/2^\circ$		MATERIAL NO.		SCALE 2:1		DESIGN UNITS METRIC	
DRAFT WHERE APPLICABLE		SEE CHART		2-24 CKT. VERT. HEADER		molex	
MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MINI-FIT B.M.I.		MAKE FIRST/BREAK LAST	
ADD 43459-0055		SDA-43459-****		SHEET NO. 1 OF 3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX	
EC NO: UCP2015-1722		REV: F13		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
DRVN:DF0X							
CHKD:JBELL							
APPR:FSMITH							
2014/10/23							
2014/10/23							
2014/10/27							



13                   12                   11                   10                   9                   8                   7                   6                   5                   4                   3                   2                   1

"0" = OBSOLETE

#### CHARACTERISTICS LEGEND:

CUIT SIZE: -  
(02-24)

## USING MATERIAL AND OPTIONS: -

-NYLON 6/6, U.L. 94V-2, COLOR: NATURAL.  
-NYLON 6/6, U.L. 94V-0, COLOR: NATURAL.

TERMINAL MATERIAL: —

## BRASS

TERMINAL PLATING (SEE NOTE 2): \_\_\_\_\_

'A"=.000100/(.00254) MIN. MATTE TIN OVER .000050/(.00127) MIN. NICKEL  
 'D"=.000100/(.00254) MIN. BRIGHT TIN OVER .000050/(.00127) MIN. NICKEL  
 'E"=.000030/(.00076) MIN. SELECT GOLD AND .000100/(.00254) MIN. SELECT  
 MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
QUALITY SYMBOLS		mm	INCH	DRAWN BY AFG	DATE 1994/12/07	TITLE
▽ = 0	4 PLACES	± ---	± ---	CHECKED BY RJF	DATE 1994/12/07	2-24 CKT. VERT. HEADER MINI-FIT B.M.I.
▽ = 0	3 PLACES	± ---	± .010	APPROVED BY FSMITH	DATE 2012/05/22	MAKE FIRST/BREAK LAST
▽ = 0	2 PLACES	± 0.25	± .014			
	1 PLACE	± 0.36	± ---			
	0 PLACE	± ---	± ---			
ANGULAR ± 1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
DRAFT WHERE APPLICABLE		SEE CHART		SDA-43459-****		3 OF 3
F13		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
REV: E						
EFC NO: UCP2015-1722						
CRWN:JDF0X						
CHKD:IBELL						
APPR:FSMITH						

# Mouser Electronics

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