

Technical drawing of a 16-pin connector, showing top and side views with dimensions in inches and millimeters.

Top View Dimensions:

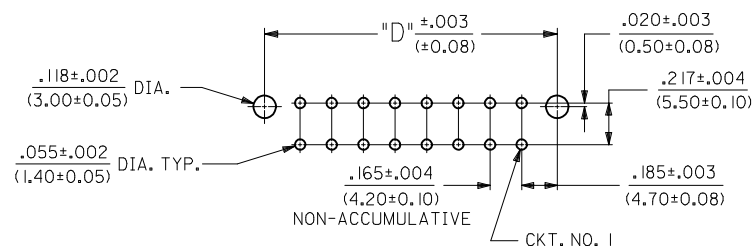
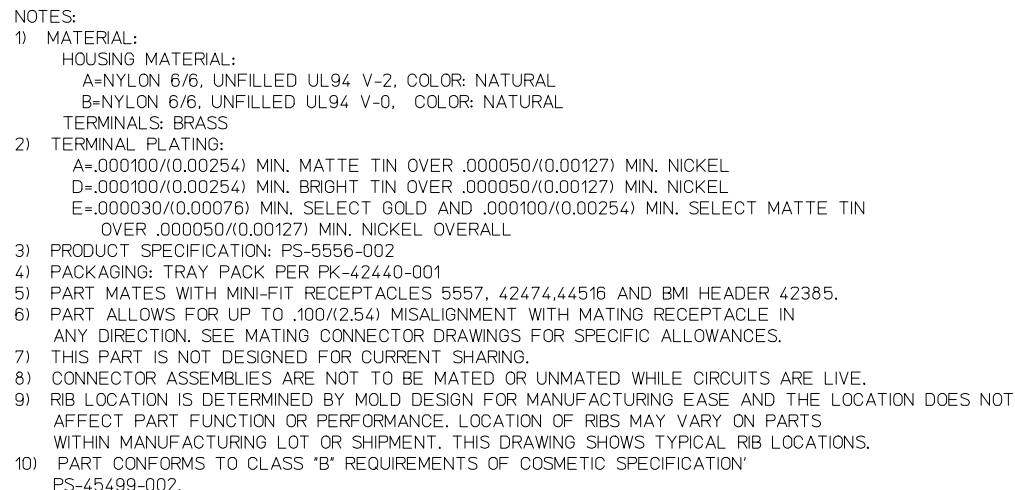
- Overall width: **"A" REF.**
- Overall height: **"C" REF.**
- Pin pitch (center-to-center): **.21 (5.4) REF.**
- Pin diameter: **.098 (2.50)**
- Pin height (from top surface): **.165 (4.20)**
- Pin height (from bottom surface): **.22 (5.6) REF.**
- Pin height (from top surface, alternative): **.008 (0.20)**
- Pin height (from bottom surface, alternative): **.008 (0.20)**

Side View Dimensions:

- Overall width: **"E"**
- Pin pitch (center-to-center): **.165 (4.20) TYP.**
- Pin diameter: **.045 (1.14) REF.**
- Pin height (from bottom surface): **.106 (2.70)**

Labels and Notes:

- LAST CKT.** (Last circuit)
- CKT NO 2.** (Circuit number 2)
- CKT NO 1.** (Circuit number 1)
- SEE NOTE 9**



2-24 CKT. VERT. HEADER
MINI-FIT B.M.I.
MAKE FIRST/BREAK LAST

molex

ADD 43459-0055 EC NO: UCP2015-4722 DRWN: DFOX 2014/10/23 CHKD: BELL 2014/10/23 APPR: FSMITH 2014/10/27	DESCRIPTION 13	REV	QUALITY SYMBOLS F=0 E=0 F=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY AFG	DATE 1994/12/07	TITLE 2-24 CKT. VERT. HEADER MINI-FIT B.M.I. MAKE FIRST/BREAK LAST			
				4 PLACES ± --- ± ---		CHECKED BY RJF	DATE 1994/12/07	molex				
				3 PLACES ± --- ± .010		APPROVED BY	DATE					
				2 PLACES ± 0.25 ± .014		FSMITH	2012/05/22	DOCUMENT NO. SDA-43459-****		SHEET NO. 1 OF 3		
				1 PLACE ± 0.36 ± ---		MATERIAL NO. SEE CHART						
				0 PLACE ± --- ± ---								
				ANGULAR ± 1/2°								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

	13	12	11			10			9			8			7			6			5	4	3	2	1																
J	ITEM NO.	CHARACTERISTIC DESCRIPTION	TERMINAL VERSION REQUIRED AT EACH CIRCUIT LOCATION: (SEE CODES AT RIGHT)																								TERM. CODES FOR CHART AT LEFT										J				
			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	1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I=MAKE-FIRST		A	BRASS											
	43459-0002	04BAA	1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----		---	----											
	43459-0003	04AAA	1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3=MAKE-FIRST		E	BRASS											
	43459-0004	04BAA	1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----		---	----											
	43459-0005	10AAD	5	5	5	5	5		5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5=MAKE-FIRST		D	BRASS											
	43459-0006	10BAD	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----		---	----											
	43459-0007	10AAE	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----		---	----											
	43459-0008	10BAE	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8=STANDARD		A	BRASS											
	43459-0009	18AAD	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	5	10=STANDARD		E	BRASS											
	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	5	5															
	43459-0013	24BAD	9	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	18BAD	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-															
	43459-0015	18BAE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-															
	43459-0016	14BAD	5	5	5	5	5	5	5	5	5	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-															
	43459-0017	18BAD	9	9	9	9	5	5	9	9	9	9	9	9	9	5	5	9	9	9	-	-	-	-	-	-															
	43459-0018	10AAA	8	8	8	8	8	8	8	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	43459-0019	10BAE	3	3	3	10	10	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	43459-0020	18AAE	10	-	10	10	10	10	10	10	10	3	3	10	10	10	10	10	10	-	-	-	-	-	-	-															
	43459-0021	10AAD	5	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	43459-0022	10AAD	5	9	9	9	9	5	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	43459-0023	14AAD	5	9	9	9	9	9	9	9	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-	-															
	43459-0024	14AAD	5	9	9	9	9	9	9	5	9	9	9	9	9	9	-	-	-	-	-	-	-	-	-	-															
	43459-0025	18BAE	10	10	10	10	10	10	10	-	10	10	10	10	10	10	10	3	-	10	-	-	-	-	-	-															
	43459-0026	10BAE	10	-	10	-	10	10	-	10	-	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	43459-0027	24BAE	10	10	10	10	10	10	10	10	10	10	-	10	10	10	10	10	10	10	10	10	10	10	10	-															
	43459-0028	24AAE	3	10	10	10	10	10	10	10	10	10	10	10	3	3	10	10	10	10	10	10	10	10	10	3															
	43459-0029	14BAE	10	10	10	10	10	10	10	10	10	3	10	10	10	10	-	-	-	-	-	-	-	-	-	-															
	43459-0030	04BAE	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	43459-0031	18BAE	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	-	-	-															
	43459-0032	10BAE	3	10	10	10	10	3	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	43459-0033	14BAE	3	10	10	10	10	10	3	10	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-	-															
	43459-0034	14BAE	10	10	10	10	10	10	10	10	10	10	3	10	10	10	-	-	-	-	-	-	-	-	-	-															
B																																							B		
A																																							A		

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	O	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----	
	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	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	-	-	-	-	-	-	-	-	-				
"O" = OBSOLETE																														
CIRCUIT SIZE: _____																														
HOUSING MATERIAL AND OPTIONS: _____																														
TERMINAL MATERIAL: _____																														
TERMINAL PLATING (SEE NOTE 2): _____																														
CHARACTERISTICS LEGEND:																														
** * * *																														
A=NYLON 6/6, U.L. 94V-2, COLOR: NATURAL.																														
B=NYLON 6/6, U.L. 94V-0, COLOR: NATURAL.																														
A=BRASS																														
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:JFOX																														
2014/10/23																														
CHKD:JBELL																														
2014/10/27																														
APPR:FSMITH																														
2014/10/27																														
QUALITY SYMBOLS																														
F7=0																														
F7=0																														
F7=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																														
SIZE C																														
12																														
11																														
10																														
9																														
8																														
7																														
6																														
5																														
4																														
3																														
2																														
1																														

Mouser Electronics

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