

Technical drawing of a multi-pin connector, showing top and side views with dimensions.

Top View Dimensions:

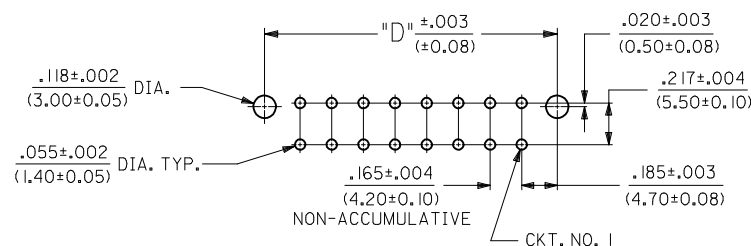
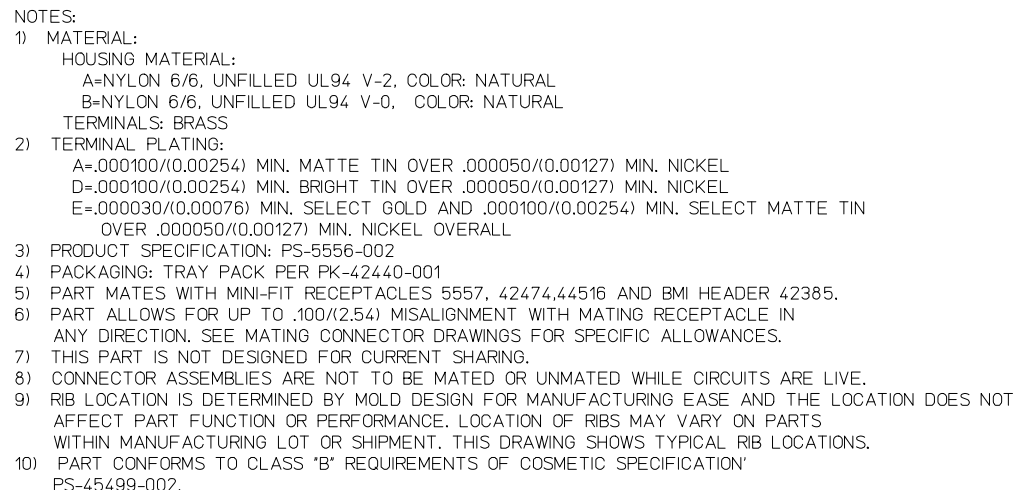
- Overall width: $.098$ (2.50)
- Pin pitch: $.165$ (4.20)
- Pin diameter: $.008$ (0.20)
- Pin length: $.21$ (5.4) REF.
- Pin spacing: $.22$ (5.6) REF.
- Overall length: "A" REF.
- Pin length: "C" REF.
- Pin length: "B" REF.
- Pin length: "E" REF.

Side View Dimensions:

- Pin diameter: $.045$ (1.14) REF.
- Pin length: $.106$ (2.70)
- Pin length: $.165$ (4.20) TYP.

Labels:

- LAST CKT.
- CKT NO. 2.
- CKT NO. 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 CHKO: IBELL 2014/10/23 APPR: FSM TH 2014/10/27	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE					
			4 PLACES	± ---	± ---	AFG	1994/12/07	2-24 CKT. VERT. HEADER					
			3 PLACES	± ---	± .010	CHECKED BY	DATE	MINI-FIT B.M.I.					
			2 PLACES	± 0.25	± .014	RJF	1994/12/07	MAKE FIRST/BREAK LAST					
			1 PLACE	± 0.36	± ---	APPROVED BY	DATE	molex					
			0 PLACE	± ---	± ---	FSM TH	2012/05/22						
			ANGULAR ± 1/2°										DOCUMENT NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SIZE	SDA-43459-**** 1 OF 3				
			REV			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																	
		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														
J		43459-0001		04AAA		1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
		43459-0002		04BAA		1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
		43459-0003		04AAA		1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
		43459-0004		04BAA		1	1	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															
I		43459-0005		10AAD		5	5	5	5	5		5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-															
		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	-	-	-	-	-	-	-	-	-	-	-	-	-															
		43459-0009		18AAD		9	9	9	9	5	5	9	9	9	9	9	9	9	5	5	9	9	9	-	-	-	-	-	-														
H		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														
		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														
G		43459-0014		18BAD		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	-	-	-	-	-	-	-														
		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
F		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	-	-	-	-	-	-	-	-	-	-	-	-	-															
E		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
D		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	-	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	10	3													
		43459-0029		14BAE		10	10	10	10	10	10	10	10	10	10	3	10	10	10	10	-	-	-	-	-	-	-	-	-														
		43459-0030		04BAE		3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
C		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																																											
A																																											
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
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		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
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		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		12		11		10		9		8		7		6		5		4		3		2		1																			
		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	I0BAD			5	9	9	9	9	5	9	9	9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	I=MAKE-FIRST	A	BRASS			
		43459-0036	I0BAE			I0	3	I0	I0	I0	I0	3	I0	I0	I0	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----				
		43459-0037	I0BAE			3	I0	I0	I0	I0	I0	I0	I0	I0	I0	-	-	-	-	-	-	-	-	-	-	-	-	-	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	I4BAE			3	I0	I0	I0	I0	I0	I0	3	I0	I0	I0	I0	I0	-	-	-	-	-	-	-	-	-	-	5=MAKE-FIRST	D	BRASS				
		43459-0040	I0AAD			9	9	9	9	9	5	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----				
H		43459-0041	6AAA	O		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	----	---	----				
		43459-0042	I8BAE			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	-	I	I	-	8	8	8	8	8	8	8	8	-	I	I	-	8	9=STANDARD	D	BRASS			
G		43459-0044	I0BAE			I0	I0	I0	3	I0	I0	I0	I0	I0	I0	-	-	-	-	-	-	-	-	-	-	-	-	-	10=STANDARD	E	BRASS				
		43459-0045	I0BAE			I0	3	3	I0	I0	3	I0	I0	I0	I0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
		43459-0046	I0BAE			I0	I0	I0	I0	I0	I0	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			I0	3	3	I0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
E		43459-0050	I8BAE			3	3	3	3	3	3	3	3	3	3	I0	3	3	3	3	3	3	-	-	-	-	-	-	-	-	-				
		43459-0052	24BAD			9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-	9	-				
		43459-0053	24BAE			I0	I0	I0	I0	3	3	3	I0	I0	I0	I0	I0	I0	3	3	3	I0	I0	I0	I0	I0	I0	I0	I0	I0	I0				
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																																	
C																										CIRCUIT SIZE: _____									
																										(02-24)									
																										HOUSING MATERIAL AND OPTIONS: _____									
B																										*A*=NYLON 6/6, U.L. 94V-2, COLOR: NATURAL.									
																										B=NYLON 6/6, U.L. 94V-0, COLOR: NATURAL.									
																										TERMINAL MATERIAL: _____									
A																										*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		2014/10/23		2014/10/23		2014/10/27		2014/10/27		2014/10/27		2014/10/27		2014/10/27		2014/10/27		2014/10/27		2014/10/27		2014/10/27		2014/10/27					
		DRWN:JFOX		CHKD:JBELL		APPR:FSMITH		REV		REV		REV		REV		REV		REV		REV		REV		REV		REV		REV		REV					
		F13																																	