



No OF CCTS.	DIMn. A	DIMn. B
2	( 5.08 ± 0.05 ) .200 ± .002	( 9.91 ± 0.15 ) .390 ± .006
3	( 10.16 ± 0.08 ) .400 ± .003	( 14.99 ± 0.15 ) .590 ± .006
4	( 15.24 ± 0.08 ) .600 ± .003	( 20.07 ± 0.18 ) .790 ± .007
5	( 20.32 ± 0.08 ) .800 ± .003	( 25.15 ± 0.20 ) .990 ± .008
6	( 25.40 ± 0.10 ) 1.000 ± .004	( 30.23 ± 0.23 ) 1.190 ± .009
7	( 30.48 ± 0.13 ) 1.200 ± .005	( 35.31 ± 0.25 ) 1.390 ± .010
8	( 35.56 ± 0.20 ) 1.400 ± .008	( 40.39 ± 0.28 ) 1.590 ± .011
9	( 40.64 ± 0.20 ) 1.600 ± .008	( 45.47 ± 0.30 ) 1.790 ± .012
10	( 45.72 ± 0.20 ) 1.800 ± .008	( 50.55 ± 0.30 ) 1.990 ± .012
11	( 50.80 ± 0.20 ) 2.000 ± .008	( 55.63 ± 0.33 ) 2.190 ± .013
12	( 55.88 ± 0.25 ) 2.200 ± .010	( 60.71 ± 0.33 ) 2.390 ± .013

- NOTES:
- MATERIAL: WAFER: NYLON UL94V-2, COLOR: NATURAL  
PINS: BRASS
  - FINISH: (102) = OVERALL TIN, (0.00508)/.000200 MIN. OVER (0.00254)/.000100 MIN. COPPER  
(501) = OVERALL GOLD, (0.00051)/.000020 MIN. OVER (0.00076)/.000030 MIN. NICKEL  
(503) = OVERALL GOLD, (0.00076)/.000030 MIN. OVER (0.00127)/.000050 MIN. NICKEL
  - PRODUCT SPECIFICATION: PS-99020-0087
  - PIN PUSH OUT FORCE: (1.36KG)/3LBS MIN.
  - PIN MUST MEET MOLEX SOLDERABILITY SPEC. ES-152.
  - MAX. BOW: (0.38)/.015 OVER (25.4)/1.00
  - FOR DIMENSIONS "C", "D", "E", "F" AND VERSIONS, SEE CHARTS ON SHEET 2 AND SUBSEQUENT SHEETS.
  - FOR VERSIONS WITH VOIDS, SEE SHEET 5.
  - CIRCUIT 1 IS USED TO DEFINE VOID LOCATION. CIRCUIT 1 MAY OR MAY NOT LINE UP WITH CIRCUIT 1 ON MATING PART.
  - THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

3003-N \* - \*

BASE No.                      VOID CODE  
No. OF CCTS.                NO. CORRESPONDS TO  
VERSION                        CIRCUIT NO. VOIDED.  
MULTIPLE VOIDS START  
WITH 51.

<b>REDRAWN</b> ECC NO: UCP2011-0476 DRWN:MKIPPER 2010/12/03 CHKD:JBELL APPR:FSMITH 2010/12/06 DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla/0$ $\nabla/0$ $\nabla/0$	mm    INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.35 ± --- ANGULAR ± ---°	DRAWN BY    DATE DBYRNES    02/11/22 CHECKED BY    DATE BMAGUIRE    02/11/22 APPROVED BY    DATE FSMITH        2010/12/06	MM/IN	2:1	METRIC
<b>BN</b>	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. <b>SEE CHART</b>	MOLEX INCORPORATED MOLEX INCORPORATED	DOCUMENT NO. SDAE-3003-N*	SHEET NO. 1 OF 5	

INDEX# FOR FULL DIMENSIONS SEE RELEVANT SHEET.

ENG. No.	PLATING	DIM. C	DIM. D	SHT. No.
AE-3003-NA	(102)			3
AE-3003-NAG	(501)	(11.94) / .470	(19.05) / .750	3
AE-3003-NA(503)	(503)			3
AE-3003-NB	(102)	(16.69) / .657	(23.80) / .937	3
AE-3003-NC	(102)	(23.04) / .907	(30.48) / 1.200	3
AE-3003-NEG	( 501 )	(20.00) / .787	(30.48) / 1.200	4
AE-3003-NFG	(501)	(32.56) / 1.282	(39.68) / 1.562	4
AE-3003-NI	(102)	(13.51) / .532	(20.32) / .800	4

FOR VOID VERSIONS SEE SHEET 5.

OBSOLETE P/N'S EC NO: UCP2011-0476 DRW:MKIPPER 2010/12/03 CHKD:JBELL APPR:FSMITH 2010/12/06	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
	$\nabla = 0$	mm	INCH	MM/IN		1:1	METRIC			
	$\nabla = 0$	4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	2 PLACES ± 0.25 ± .014	1 PLACE ± 0.35 ± ---	DRAWN BY DATE	TITLE			
	$\nabla = 0$	ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DBYRNES 02/11/22	KK (5.08)/.200 VERTICAL HEADER ASSEMBLY ROUND PIN			
REV	DESCRIPTION	MATERIAL NO.		SEE CHART		MOLEX INCORPORATED		SHEET NO.		
BN						DOCUMENT NO. SDAE-3003-N*		2 OF 5		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

	10	9	8	7	6	5	4	3	2	1	
ENG. NO.	AE-3003-NA		AE-3003-NAG		AE-3003-NA(503)		AE-3003-NB		AE-3003-NC		
DIMN. "C"	(11.94 ±0.51) .470 ±.020		(11.94 ±0.51) .470 ±.020		(11.94 ±0.51) .470 ±.020		(16.69 ±0.51) .657 ±.020		(23.04 ±0.51) .907 ±.020		
DIMN. "D"	(19.05) / .750		(19.05) / .750		(19.05) / .750		(23.80) / .937		(30.48) / 1.200		
DIMN. "E"	(3.94) / .155		(3.94) / .155		(3.94) / .155		(3.94) / .155		(4.27) / .168		
DIMN. "F"	(1.02) / .040		(1.02) / .040		(1.02) / .040		(1.02) / .040		(1.02) / .040		
DIMN. "G"	(1.02) / .040		(1.02) / .040		(1.02) / .040		(1.02) / .040		(1.02) / .040		
PLATING	(102)		(501)		(503)		(102)		(102)		
	PART NO.	ENG NO.	PART NO.	ENG NO.	PART NO.	ENG NO.	PART NO.	ENG NO.	PART NO.	ENG NO.	
NO. OF CIRCUITS	2	10-08-1021	AE-3003-2A	10-45-1021	AE-3003-2AG	NOT TOOLED	AE-3003-2A(503)	10-08-1022	AE-3003-2B	10-08-1023	AE-3003-2C
	3	▲ -1031	▲ -3A	▲ -1031	▲ -3AG	▲	▲ -3A(503)	▲ -1032	▲ -3B	▲ -1033	▲ -3C
	4	-1041	-4A	-1041	-4AG		-4A(503)	-1042	-4B	-1043	-4C
	5	-1051	-5A	-1051	-5AG		-5A(503)	-1052	-5B	-1053	-5C
	6	-1061	-6A	-1061	-6AG		-6A(503)	-1062	-6B	-1063	-6C
	7	-1071	-7A	-1071	-7AG		-7A(503)	-1072	-7B	-1073	-7C
	8	-1081	-8A	-1081	-8AG		-8A(503)	-1082	-8B	-1083	-8C
	9	-1091	-9A	-1091	-9AG		-9A(503)	-1092	-9B	-1093	-9C
	10	-1101	-10A	-1101	-10AG		-10A(503)	-1102	-10B	-1103	-10C
	11	▼ -1111	▼ -11A	▼ -1111	▼ -11AG	▼	▼ -11A(503)	▼ -1112	▼ -11B	▼ -1113	▼ -11C
	12	10-08-1121	AE-3003-12A	10-45-1121	AE-3003-12AG	NOT TOOLED	AE-3003-12A(503)	10-08-1122	AE-3003-12B	10-08-1123	AE-3003-12C

SEE VOIDS

<b>OBsolete PNs</b> EC NO: UCP2011-0476 DRW:MKIPPER 2010/12/03 CHKD:JBELL APPR:FSM1TH 2010/12/06 REV <b>BN</b>	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																		
	$\nabla F/0$ $\nabla E/0$ $\nabla D/0$	<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± .010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± .014</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.35</td> <td>± ---</td> </tr> <tr> <td colspan="3">ANGULAR ± ---°</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± .010	2 PLACES	± 0.25	± .014	1 PLACE	± 0.35	± ---	ANGULAR ± ---°			MM/IN	1:1	METRIC	
		mm	INCH																					
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ANGULAR ± ---°																								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: DBYRNES DATE: 02/11/22 CHECKED BY: BMAGUIRE DATE: 02/11/22 APPROVED BY: FSMITH DATE: 2010/12/06 MATERIAL NO. SEE CHART SIZE B	TITLE: KK (5.08)/.200 VERTICAL HEADER ASSEMBLY ROUND PIN MOLEX INCORPORATED DOCUMENT NO. SDAE-3003-N* SHEET NO. 3 OF 5																						
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								

	10	9	8	7	6	5	4	3	2	1
ENG. NO.	AE-3003-NEG		AE-3003-NFG		AE-3003-NI					
DIMN. "C"	(20.00±0.51) .787±.020		(32.56 ±0.51) 1.282 ±.020		(13.51 ±0.51) .532 ±.020					
DIMN. "D"	(30.48) / 1.200		(39.68) / 1.562		(20.32) / .800					
DIMN. "E"	(7.31) / .288		(3.94) / .155		(3.63) / .143					
DIMN. "F"	(1.02) / .040		(1.02) / .040		(1.02) / .040					
DIMN. "G"	(1.02) / .040		(1.02) / .040		(1.02) / .040					
PLATING	(501)		(501)		(102)					

	PART NO.	ENG NO.	PART NO.	ENG NO.	PART NO.	ENG NO.	
NO. OF CIRCUITS	2	10-45-1026	AE-3003-2EG	38-00-2482	AE-3003-2FG	10-08-1029	AE-3003-2I
	3	▲ 1036	▲ -3EG	▲ -2483	▲ -3FG	▲ -1039	▲ -3I
	4	1046	-4EG	-2484	-4FG	-1049	-4I
	5	1056	-5EG	-2485	-5FG	-1059	-5I
	6	1066	-6EG	-2486	-6FG	-1069	-6I
	7	1076	-7EG	-2487	-7FG	-1079	-7I
	8	1086	-8EG	-2488	-8FG	-1089	-8I
	9	1096	-9EG	-2489	-9FG	-1099	-9I
	10	1106	-10EG	-2490	-10FG	-1109	-10I
	11	▼ 1116	▼ -11EG	▼ -2491	▼ -11FG	▼ -1119	▼ -11I
	12	10-45-1126	AE-3003-12EG	38-00-2492	AE-3003-12FG	10-08-1129	AE-3003-12I

<b>OBsolete PNs</b> EC NO: UCP2011-0476 DRAWN: KIPPER 2010/12/03 CHKD: JBELL APPR: FSMITH 2010/12/06 REV: BN	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽/0	mm INCH	MM/IN	1:1	METRIC	
	▽/0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	▽/0	3 PLACES ± --- ± .010	DBYRNES 02/11/22	KK (5.08)/.200 VERTICAL HEADER ASSEMBLY ROUND PIN		
	2 PLACES ± 0.25 ± .014	CHECKED BY DATE	MOLEX INCORPORATED			
	1 PLACE ± 0.35 ± ---	BMAGUIRE 02/11/22	MATERIAL NO. SEE CHART			
	ANGULAR ± ---°	APPROVED BY DATE	SDAE-3003-N*			
		FSMITH 2010/12/06	SHEET NO. 4 OF 5			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

10 9 8 7 6 5 4 3 2 1

WAFERS WITH VOIDS:

No. OF CCTS	ENG. NO.	PART NO.	VOID CCT. LOCATION	FOR DIMns. SEE WAFER No.	PLATING
3	AE-3003-3A-2	38-00-5931	2	AE-3003-NA ↑ ↓ AE-3003-NA	102 ↑ ↓ 102
4	AE-3003-4A-2	38-00-6865	2		
4	AE-3003-4A-51	38-00-0205	2,3		
6	AE-3003-6A-51	10-08-1067	2,4,5		
9	AE-3003-9A-2	10-08-1098	2		
10	AE-3003-10A-2	10-08-1108	2		
12	AE-3003-12A-51	10-08-1128	4,7		

<b>OBsolete PNs</b> EC NO: UCP2011-0476 DRW:MKIPPER 2010/12/03 CHKD:JBELL APPR:FSMITH 2010/12/06 BN	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM/IN		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION																					
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			mm	INCH																									
		4 PLACES	±---	±---																									
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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																										

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