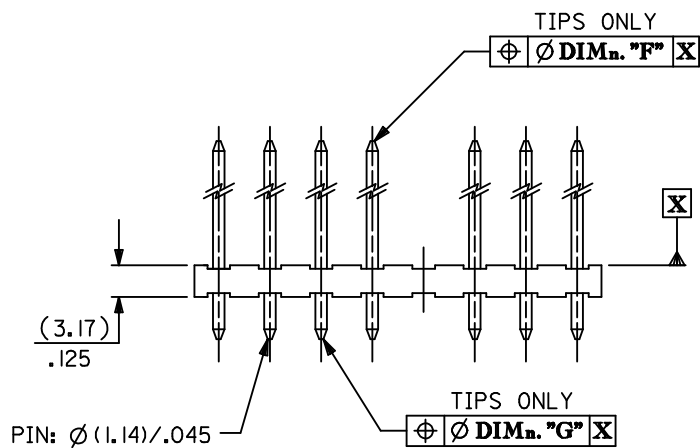
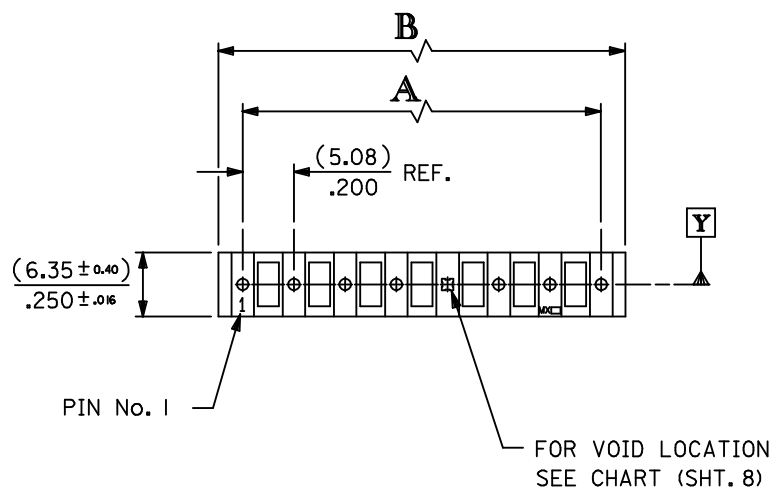


SEE CHART

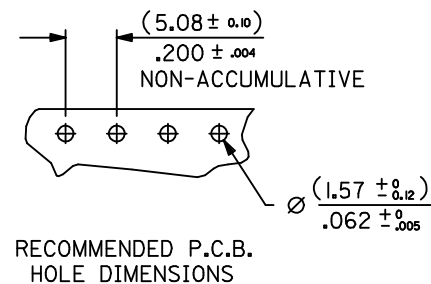
SDAE-3003-N*



3003-N * - *

BASE No. VOID CODE

No. OF CCTS. VERSION



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
13	(60.96 ± 0.25) 2.400 ± .010	(65.79 ± 0.36) 2.590 ± .014
14	(66.04 ± 0.25) 2.600 ± .010	(70.87 ± 0.36) 2.790 ± .014
15	(71.12 ± 0.35) 2.800 ± .014	(75.95 ± 0.42) 2.990 ± .017
16	(76.20 ± 0.35) 3.000 ± .014	(81.03 ± 0.42) 3.190 ± .017
17	(81.28 ± 0.40) 3.200 ± .016	(86.11 ± 0.51) 3.390 ± .020
18	(86.36 ± 0.40) 3.400 ± .016	(91.19 ± 0.53) 3.590 ± .021
19	(91.44 ± 0.50) 3.600 ± .020	(96.27 ± 0.53) 3.790 ± .021
20	(96.52 ± 0.50) 3.800 ± .020	(101.35 ± 0.53) 3.990 ± .021

NOTES:

1. MATERIAL: WAFER, NYLON, 94V-2, COLOUR - NATURAL PINS, BRASS (FOR PLATING SEE CHARTS)
2. FOR DIMns. 'A','B','C','D','E','F' AND VERSIONS, SEE CHARTS ON SHEET 2 & SUBSEQUENT SHEETS.
3. FOR VERSIONS WITH VOIDS SEE SHEET 8.
4. PIN PUSH OUT FORCE: (1.36Kg)/3lbs MIN.
5. PIN MUST MEET MOLEX SOLDERABILITY SPEC. ES-152.
6. MAX BOW (0.38)/.015 OVER (25.4)/1.00

ADD PART NO SHT 7

EC NO: E2009-0320 2009/04/03

DRWN: BMAGUIRE 2009/04/03

CHKD: 2009/04/06

APPR: BMAGUIRE 2009/04/06

REV

BM

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ± ---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY DATE

CHECKED BY DATE

APPROVED BY DATE

MATERIAL NO.

SEE TABLES

SIZE
A3

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

SCALE
1:1DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

5.08 MM KK HDR VT RPIN

molex

MOLEX INCORPORATED

DOCUMENT NO.

SDAE-3003-N*

SHEET NO.

1 OF 00

SEE CHART

SDAE-3003-N*

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	6
AE-3003-NA(503)	(503)			6
AE-3003-NB	(102)	(16.69) / .657	(23.80) / .937	3
AE-3003-NC	(102)			3
AE-3003-NCG	(501)	(23.04) / .907	(30.48) / 1.200	6
AE-3003-ND	(102)			3
AE-3003-NDG	(501)	(27.81) / 1.095	(34.92) / 1.375	6
AE-3003-NF	(102)			3
AE-3003-NFG	(501)	(32.56) / 1.282	(39.68) / 1.562	6
AE-3003-NI	(102)	(13.51) / .532	(20.32) / .800	4
AE-3003-NJ	(102)	(21.46) / .845	(28.58) / 1.125	4
AE-3003-NK	(102)			4
AE-3003-NS	(501)	(18.29) / .720	(25.40) / 1.000	7
AE-3003-NM	(102)	(11.89) / .468	(23.80) / .937	4
AE-3003-NU	(102)	(11.18) / .440	(17.45) / .687	4
AE-3003-NV	(102)	(11.94) / .470	(18.29) / .720	5
AE-3003-NY	(102)	(10.90) / .430	(17.45) / .687	5

FOR VOID VERSIONS SEE SHEET 8.

DOCUMENT ERROR

EC NO: E2009-0513

DRWN:BMAGUIRE

CHKD:

APPR:BMAGUIRE

REV

BM

QUALITY SYMBOLS

DESCRIPTION

▽=0

◻=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES

3 PLACES

2 PLACES

1 PLACE

ANGULAR ±---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

MM ONLY

DRAWN BY

DATE

CHECKED BY

DATE

APPROVED BY

DATE

MATERIAL NO.

SEE CHART

SIZE

A3

SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

5.08 MM KK HDR VT RPIN

molex

MOLEX INCORPORATED

DOCUMENT NO.

SDAE-3003-N*

SHEET NO.

2 OF 08

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							
F PART NO. SEE CHART DWG. NO. SDAE-3003-N*		ENG. NO.		AE-3003-NAG		AE-3003-NA(503)		AE-3003-NCG		AE-3003-NDG		AE-3003-NFG													
		DIMN. "C"		(11.94 ± 0.51) .470 ± .020		(11.94 ± 0.51) .470 ± .020		(23.04 ± 0.51) .907 ± .020		(27.81 ± 0.51) 1.095 ± .020		(32.56 ± 0.51) 1.282 ± .020													
		DIMN. "D"		(19.05) / .750		(19.05) / .750		(30.48) / 1.200		(34.92) / 1.375		(39.68) / 1.562													
		DIMN. "E"		(3.94) / .155		(3.94) / .155		(4.27) / .168		(3.94) / .155		(3.94) / .155													
		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													
E		PLATING		(501) GOLD (0.5µM) / .000020 MIN. OVER NICKEL (0.76µM) / .000030 MIN.		(503) GOLD (0.76µM) / .000030 MIN. OVER NICKEL (1.27µM) / .000050 MIN.		(501) GOLD (0.5µM) / .000020 MIN. OVER NICKEL (0.76µM) / .000030 MIN.		(501) GOLD (0.5µM) / .000020 MIN. OVER NICKEL (0.76µM) / .000030 MIN.		(501) GOLD (0.5µM) / .000020 MIN. OVER NICKEL (0.76µM) / .000030 MIN.													
				PART NO.		ENG NO.						PART NO.		ENG NO.		PART NO.		ENG NO.							
D		NO. OF CIRCUITS		2		10-45-1021		AE-3003-2AG		NOT TOOLED		AE-3003-2A(503)		10-45-1025		AE-3003-2CG		10-45-1024		AE-3003-2DG		38-00-2482		AE-3003-2FG	
				3		▲ - 1031		▲ - 3AG		▲		▲ - 3A(503)		▲ - 1035		▲ - 3CG		▲ - 1034		▲ - 3DG		▲ - 2483		▲ - 3FG	
				4		- 1041		- 4AG				- 4A(503)		- 1045		- 4CG		- 1044		- 4DG		- 2484		- 4FG	
				5		- 1051		- 5AG				- 5A(503)		- 1055		- 5CG		- 1054		- 5DG		- 2485		- 5FG	
				6		- 1061		- 6AG				- 6A(503)		- 1065		- 6CG		- 1064		- 6DG		- 2486		- 6FG	
				7		- 1071		- 7AG				- 7A(503)		- 1075		- 7CG		- 1074		- 7DG		- 2487		- 7FG	
				8		- 1081		- 8AG				- 8A(503)		- 1085		- 8CG		- 1084		- 8DG		- 2488		- 8FG	
				9		- 1091		- 9AG				- 9A(503)		- 1095		- 9CG		- 1094		- 9DG		- 2489		- 9FG	
				10		- 1101		- 10AG				- 10A(503)		- 1105		- 10CG		- 1104		- 10DG		- 2490		- 10FG	
				11		- 1111		- 11AG				- 11A(503)		- 1115		- 11CG		- 1114		- 11DG		- 2491		- 11FG	
C				12		- 1121		- 12AG				- 12A(503)		- 1125		- 12CG		- 1124		- 12DG		- 2492		- 12FG	
				13		- 1131		- 13AG				- 13A(503)		- 1135		- 13CG		- 1134		- 13DG		- 2493		- 13FG	
				14		- 1141		- 14AG				- 14A(503)		- 1145		- 14CG		- 1144		- 14DG		- 2494		- 14FG	
				15		- 1151		- 15AG				- 15A(503)		- 1155		- 15CG		- 1154		- 15DG		- 2495		- 15FG	
				16		- 1161		- 16AG				- 16A(503)		- 1165		- 16CG		- 1164		- 16DG		- 2496		- 16FG	
				17		- 1171		- 17AG				- 17A(503)		- 1175		- 17CG		- 1174		- 17DG		- 2497		- 17FG	
				18		- 1181		- 18AG				- 18A(503)		- 1185		- 18CG		- 1184		- 18DG		- 2498		- 18FG	
				19		▼ - 1191		▼ - 19AG		▼		▼ - 19A(503)		▼ - 1195		▼ - 19CG		▼ - 1194		▼ - 19DG		▼ - 2499		▼ - 19FG	
B				20		10-45-1201		AE-3003-20AG		NOT TOOLED		AE-3003-20A(503)		10-45-1205		AE-3003-20CG		10-45-1204		AE-3003-20DG		38-00-2500		AE-3003-20FG	
										SEE VOIDS															
A		FOR PREVIOUS DRAWING ISSUES SEE MRI.		BK SEE SHEET 1.		LTR REVISONS		THIRD ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		SH.		REV.											
								DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2°		DRWG BY GCH		CADCAM FILENAME SA3003X6 DCN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
								INCH (METRIC)		CHK'D BY		TITLE		5.08 mm KK Hdr Vt RPin											
								3 PLACE ± .		APP'D BY		MOLEX MOLEX EUROPE		SHEET NO. DATE		60F 29/8 /86									
								2 PLACE ± .		SCALE		PART NO.		DWG NO.		SIZE									
		1 PLACE ±						SEE CHART		SDAE-3003-N*		B													
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																							
		DESIGN DIMENSION (PRIMARY) □ (MM) □ IN.																							
		EQUIVALENT DIMENSION (SECONDARY) □ (MM) □ IN.																							
7132-1283		10		9		8		7		6		5		4		3		2		1					