



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
 ELC NO: E2009-0320
 DRW:BMAGUIRE 2009/04/03
 CHKD: 2009/04/03
 APPR:BMAGUIRE 2009/04/06
 REV: BM

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
▽=0	4 PLACES ± --- ± ---	
▽=0	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

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
1:1	METRIC	
TITLE 5.08 MM KK HDR VT RPIN		
MOLEX INCORPORATED		
MATERIAL NO. SDAE-3003-N*	DOCUMENT NO.	SHEET NO. 1 OF 00

10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

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 EEC NO: E2009-0513 DRAWN: BMAGUIRE 2009/04/07 CHKD: 2009/04/07 APPR: BMAGUIRE 2009/04/07 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla = 0$ $\nabla = 0$	mm INCH	MM ONLY	1:1	METRIC	
		4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
		3 PLACES ± --- ± ---	CHECKED BY DATE	5.08 MM KK HDR VT RPIN		
	2 PLACES ± --- ± ---	APPROVED BY DATE	MOLEX INCORPORATED			
	1 PLACE ± --- ± ---		MATERIAL NO. SEE CHART			
	ANGULAR ± --- °		DOCUMENT NO. SDAE-3003-N*			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	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

ib_frame_A3_P_ME_T Rev. E 2006/04/15

10 9 8 7 6 5 4 3 2 1

PART NO. SEE CHART
DWG. NO. SDAE-3003-N*

ENG. NO.	AE-3003-NA	AE-3003-NB	AE-3003-NC	AE-3003-ND	AE-3003-NF
DIMN. "C"	(11.94 ± 0.51) .470 ± .020	(16.69 ± 0.51) .657 ± .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	(23.80) / .937	(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
PLATING	(102) TIN (5.0µM) / .000200 MIN. OVER COPPER (2.5µM) / .000100 MIN.	(102) TIN (5.0µM) / .000200 MIN. OVER COPPER (2.5µM) / .000100 MIN.	(102) TIN (5.0µM) / .000200 MIN. OVER COPPER (2.5µM) / .000100 MIN.	(102) TIN (5.0µM) / .000200 MIN. OVER COPPER (2.5µM) / .000100 MIN.	(102) TIN (5.0µM) / .000200 MIN. OVER COPPER (2.5µM) / .000100 MIN.

NO. OF CIRCUITS	PART NO.		ENG. NO.		PART NO.		ENG. NO.		PART NO.		ENG. NO.	
	2	10-08-1021	AE-3003-2A	10-08-1022	AE-3003-2B	10-08-1023	AE-3003-2C	10-08-1024	AE-3003-2D	10-08-1026	AE-3003-2F	
3	▲	-1031	▲	-3A	▲	-1032	▲	-3B	▲	-1033	▲	-3C
4		-1041		-4A		-1042		-4B		-1043		-4C
5		-1051		-5A		-1052		-5B		-1053		-5C
6		-1061		-6A		-1062		-6B		-1063		-6C
7		-1071		-7A		-1072		-7B		-1073		-7C
8		-1081		-8A		-1082		-8B		-1083		-8C
9		-1091		-9A		-1092		-9B		-1093		-9C
10		-1101		-10A		-1102		-10B		-1103		-10C
11		-1111		-11A		-1112		-11B		-1113		-11C
12		-1121		-12A		-1122		-12B		-1123		-12C
13		-1131		-13A		-1132		-13B		-1133		-13C
14		-1141		-14A		-1142		-14B		-1143		-14C
15		-1151		-15A		-1152		-15B		-1153		-15C
16		-1161		-16A		-1162		-16B		-1163		-16C
17		-1171		-17A		-1172		-17B		-1173		-17C
18		-1181		-18A		-1182		-18B		-1183		-18C
19	▼	-1191	▼	-19A	▼	-1192	▼	-19B	▼	-1193	▼	-19C
20		10-08-1201	AE-3003-20A	10-08-1202	AE-3003-20B	10-08-1203	AE-3003-20C	10-08-1204	AE-3003-20D	10-08-1206	AE-3003-20F	

FOR PREVIOUS
DRAWING ISSUES
SEE MRI.

BK SEE SHEET 1.

THIRD ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		SH. REV.
DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES ANGULAR #2		DRWG BY GCH	CAD/CAM FILENAME SA3003X3 DCN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
3 PLACE ± .		CHK'D BY	TITLE 5.08 mm KK Hdr V+ RPin	
2 PLACE ± .		APP'D BY	SHEET NO. DATE 30F 29/8 /86	
1 PLACE ± .		SCALE	PART NO. DWG NO. SEE CHART SDAE-3003-N* B	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MOLEX MOLEX EUROPE		
DESIGN DIMENSION (PRIMARY) <input checked="" type="checkbox"/> (MM) <input type="checkbox"/> IN.				
EQUIVALENT DIMENSION (SECONDARY) <input type="checkbox"/> (MM) <input checked="" type="checkbox"/> IN.				

7132-1283 10 9 8 7 6 5 4 3 2 1