

SECTION C-C

- NOTES :
- CONTACT-PLATED PHOSPHOR BRONZE.
 - HOUSING : 15% GLASS-FILLED POLYESTER, COLOUR BLACK.
 - COMPATIBLE WITH PCB HOLE PATTERN.
 - FOR (0.635)/ .025 SQ. PINS THE LENGTH MUST BE (5.65)/ .222 MIN & (7.00)/ .276 MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.

UPDATE AS PER GCNS	2012/01/13
EC NO: S2012-0542	2012/02/06
DRWN:ATSEE	2012/02/24
CHKD:SKANG	
APPR:MLONG	

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
$\nabla = 0$	4 PLACES ± ---	± ---
$\nabla \square = 0$	3 PLACES ± ---	± ---
$\nabla \square \square = 0$	2 PLACES ± 0.05	± ---
$\nabla \square \square \square = 0$	1 PLACE ± 0.10	± ---
	ANGULAR ± ---°	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY		NTS	METRIC	
DRAWN BY	DATE	TITLE		
DB	21/07/86	C-GRID III DUAL ROW VERTICAL P.C. BOARD CONNECTOR		
CHECKED BY	DATE			
DB	21/07/86	MOLEX INCORPORATED		
APPROVED BY	DATE			
MLONG	2012/02/24	SD-90151-001		
MATERIAL NO.	DOCUMENT NO.			
SEE TABLE		SHEET NO. 1 OF 2		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
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PART NO. STRAIGHT PINS	NO.OF CKTS.	DIM." A"	DIM." B" (+0.00) -0.012	QTY. PER TUBE
90151-2X04	4	(2.54) .100	(5.08) .200	105
↑ ↑ 06	6	(5.08) .200	(7.62) .300	72
08	8	(7.62) .300	(10.16) .400	52
10	10	(10.16) .400	(12.70) .500	44
12	12	(12.70) .500	(15.24) .600	36
14	14	(15.24) .600	(17.78) .700	30
16	16	(17.78) .700	(20.32) .800	26
18	18	(20.32) .800	(22.86) .900	24
20	20	(22.86) .900	(25.40) 1.000	22
22	22	(25.40) 1.000	(27.94) 1.100	20
24	24	(27.94) 1.100	(30.48) 1.200	18
26	26	(30.48) 1.200	(33.02) 1.300	16
28	28	(33.02) 1.300	(35.56) 1.400	14
30	30	(35.56) 1.400	(38.10) 1.500	14
32	32	(38.10) 1.500	(40.64) 1.600	13
34	34	(40.64) 1.600	(43.18) 1.700	12
36	36	(43.18) 1.700	(45.72) 1.800	12
38	38	(45.72) 1.800	(48.26) 1.900	11
40	40	(48.26) 1.900	(50.80) 2.000	11
42	42	(50.80) 2.000	(53.34) 2.100	11
44	44	(53.34) 2.100	(55.88) 2.200	10
46	46	(55.88) 2.200	(58.42) 2.300	10
48	48	(58.42) 2.300	(60.96) 2.400	9
50	50	(60.96) 2.400	(63.50) 2.500	8
52	52	(63.50) 2.500	(66.04) 2.600	8
54	54	(66.04) 2.600	(68.58) 2.700	8
56	56	(68.58) 2.700	(71.12) 2.800	7
58	58	(71.12) 2.800	(73.66) 2.900	7
60	60	(73.66) 2.900	(76.20) 3.000	7
↓ ↓ 62	62	(76.20) 3.000	(78.74) 3.100	7
90151-2X64	64	(78.74) 3.100	(81.28) 3.200	6

PLATING VERSION A
PRE-PLATED HOT DIP TIN
1.0 TO 2.5 um (.000040" TO .000100").

PLATING VERSION E
1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.38 TO 0.64 um (.000015" TO .000025")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 um (.000120" TO .000200") TIN
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION F.
1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.76 TO 1.0 um (.000030" TO .000040")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 um (.000120" TO .000200") TIN
ON SOLDER TAILS (OVER NICKEL).

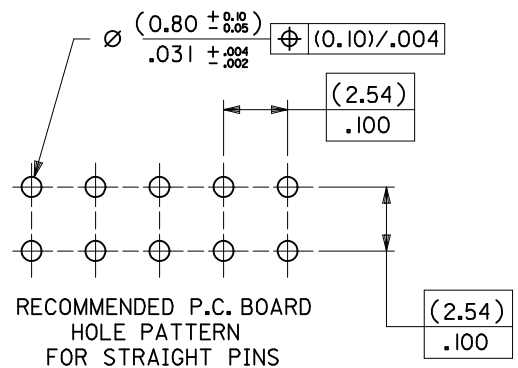
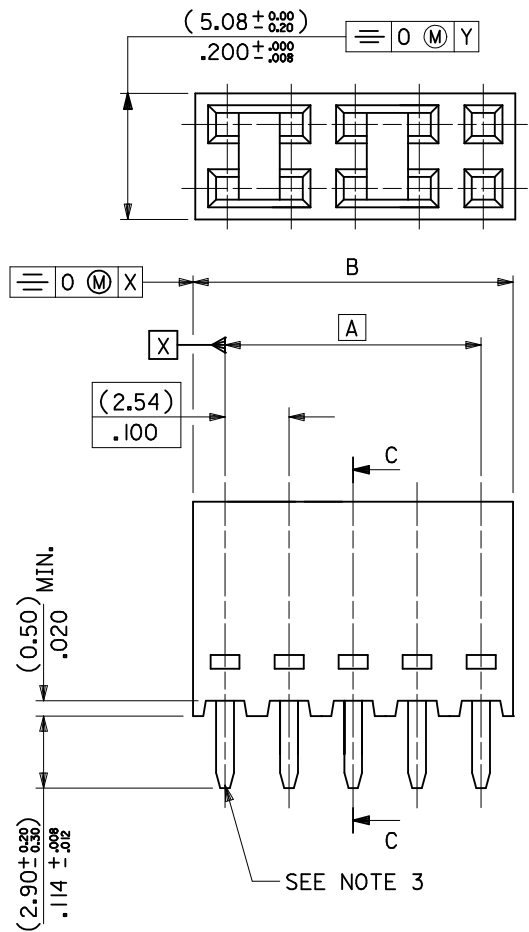
PLATING VERSION G.
1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.125 um MIN. (.000005" MIN.) GOLD FLASH
ON CONTACT AREA (OVER NICKEL).
3 TO 5 um (.000120" TO .000200") TIN
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION N.
1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.76 TO 2.6 um (.000030" TO .000100")
GOLD ON CONTACT AREA (OVER NICKEL).
4 um (.000120") MINIMUM TIN
ON SOLDER TAILS (OVER NICKEL).

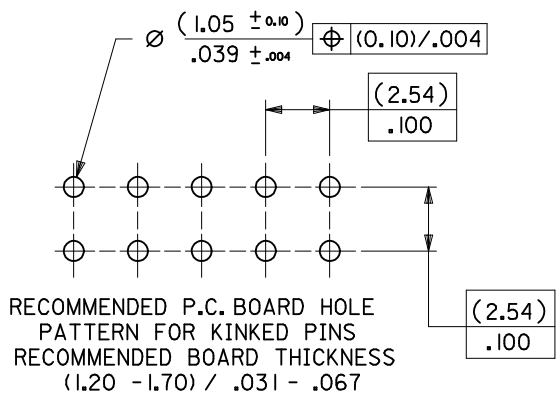
STANDARD PRODUCTS

90151-XXYY
INDICATES NO. OF CIRCUITS.
PLATING CODE.
1 = VERSION A.
2 = VERSION E.
3 = VERSION F.
4 = VERSION N.
5 = VERSION G.
SEE CHART

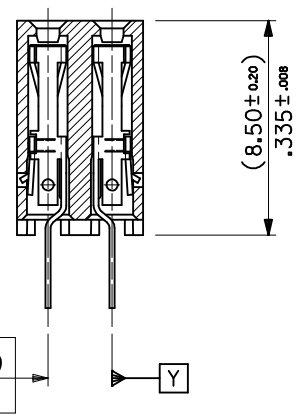
UPDATE AS PER GCNS IEC NO: S2012-0542 DRWN:ATSE 2012/01/13 CHYKD:SKANG 2012/02/06 APPR:MLONG 2012/02/24	QUALITY SYMBOLS F=0 E=0 E=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.05 ±--- 1 PLACE ±0.10 ±--- ANGULAR ±---°	DIMENSION STYLE MM ONLY DRAWN BY DATE DB 21/07/86 CHECKED BY DATE DB 21/07/86 APPROVED BY DATE MLONG 2012/02/24	SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE C-GRID III DUAL ROW VERTICAL P.C. BOARD CONNECTOR
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE	MOLEX INCORPORATED DOCUMENT NO. SD-90151-001	SHEET NO. 2 OF 2	
	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



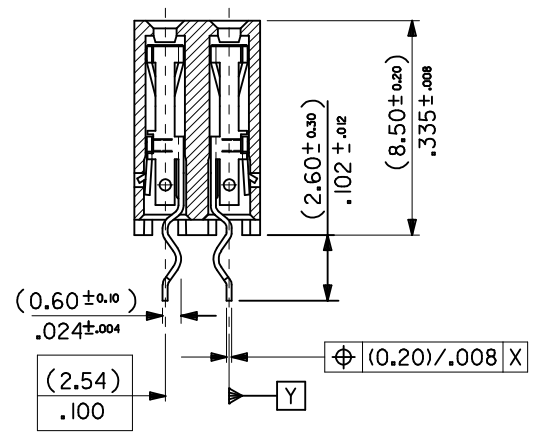
RECOMMENDED P.C. BOARD HOLE PATTERN FOR STRAIGHT PINS



RECOMMENDED P.C. BOARD HOLE PATTERN FOR KINKED PINS
RECOMMENDED BOARD THICKNESS (1.20 - 1.70) / .031 - .067



SECTION C-C



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NOTES

- 1) CONTACT-PLATED PHOSPHOR BRONZE.
- 2) HOUSING-15% GLASS FILLED POLYESTER. COLOUR-BLACK.
- 3) COMPATIBLE WITH PCB HOLE PATTERN.
- 4) FOR (0.635)/.025 SQ. MALE PINS THE LENGTH MUST BE (5.65)/.222 MIN & (7.00)/.276 MAX. TO ENSURE GOOD CONNECTION WITH CONTACT.

6	AF
5	AD
4	AD
3	AD
2	AG
1	AH

ADD INSET FOR GATE EC NO: E2009-0250 DRWN: BMAGUIRE 2008/12/08 CHKD: 2008/12/08 APPR: BMAGUIRE 2008/12/08	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.10 ± ---	mm INCH	DRAWN BY DB	DATE 21/07/86	TITLE C-GRID III DUAL ROW VERTICAL P.C. BOARD CONNECTOR			
		ANGULAR ± ---°		CHECKED BY	DATE	APPROVED BY			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY	DATE	MOLEX INCORPORATED			
AH	REV	SEE CHART		MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
		SIZE A3		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

SEE CHART
PART NO. SDA-90151
DWG. NO.

PART NO. STRAIGHT PINS	PART NO. KINKED PINS	NO. OF CKTS.	DIM. " A"	DIM. " B" (+0.00) (-0.30)	QTY. PER TUBE
90151-2X04	90151-3X04	4	(2.54) .100	(5.08) .200	105
▲ ▲ 06	▲ ▲ 06	6	(5.08) .200	(7.62) .300	72
		8	(7.62) .300	(10.16) .400	52
		10	(10.16) .400	(12.70) .500	44
		12	(12.70) .500	(15.24) .600	36
		14	(15.24) .600	(17.78) .700	30
		16	(17.78) .700	(20.32) .800	26
		18	(20.32) .800	(22.86) .900	24
		20	(22.86) .900	(25.40) 1.000	22
		22	(25.40) 1.000	(27.94) 1.100	20
		24	(27.94) 1.100	(30.48) 1.200	18
		26	(30.48) 1.200	(33.02) 1.300	16
		28	(33.02) 1.300	(35.56) 1.400	14
		30	(35.56) 1.400	(38.10) 1.500	14
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		36	(43.18) 1.700	(45.72) 1.800	12
		38	(45.72) 1.800	(48.26) 1.900	11
		40	(48.26) 1.900	(50.80) 2.000	11
		42	(50.80) 2.000	(53.34) 2.100	11
		44	(53.34) 2.100	(55.88) 2.200	10
		46	(55.88) 2.200	(58.42) 2.300	10
		48	(58.42) 2.300	(60.96) 2.400	9
		50	(60.96) 2.400	(63.50) 2.500	8
		52	(63.50) 2.500	(66.04) 2.600	8
		54	(66.04) 2.600	(68.58) 2.700	8
		56	(68.58) 2.700	(71.12) 2.800	7
		58	(71.12) 2.800	(73.66) 2.900	7
		60	(73.66) 2.900	(76.20) 3.000	7
▼ ▼ 62	▼ ▼ 62	62	(76.20) 3.000	(78.74) 3.100	7
90151-2X64	90151-3X64	64	(78.74) 3.100	(81.28) 3.200	6

PLATING VERSION A
PRE-PLATED HOT DIP TIN
1.0 TO 2.5 um (.000040" TO .000100").

PLATING VERSION E
1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.38 TO 0.64 um (.000015" TO .000025")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 um (.000120" TO .000200") TIN
ON SOLDER TAILS (OVER NICKEL).

PLATING VERSION F.
1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.76 TO 1.0 um (.000030" TO .000040")
GOLD ON CONTACT AREA (OVER NICKEL).
3 TO 5 um (.000120" TO .000200") TIN
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PLATING VERSION G.
1.27 TO 1.78 um (.000050" TO .000070") NICKEL
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ON CONTACT AREA (OVER NICKEL).
3 TO 5 um (.000120" TO .000200") TIN
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PLATING VERSION N.
1.27 TO 1.78 um (.000050" TO .000070") NICKEL
OVERALL, 0.76 TO 2.6 um (.000030" TO .000100")
GOLD ON CONTACT AREA (OVER NICKEL).
4 um (.000120") MINIMUM TIN
ON SOLDER TAILS (OVER NICKEL).

STANDARD PRODUCTS

90151-XXYY

INDICATES NO. OF CIRCUITS.

- PLATING CODE.
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4 = VERSION N.
5 = VERSION G.

SEE CHART

FOR PREVIOUS
DRAWING ISSUES
SEE MRI.

LEAD FREE CONVERSION
LEAD FREE ORDER NUMBER ADDED
EC NO. E2004-0610
DRAWN: PSHEAHAN 06/01/2004
CHK: APPR:
AH

DESCRIPTION
MAJOR
CRITICAL
REV

QUALITY SYMBOLS
GENERAL TOLERANCES:
(UNLESS SPECIFIED)
4 PLACES ±0. mm ±. INCH
3 PLACES ±0. mm ±. INCH
2 PLACES ±0. mm ±. INCH
1 PLACE ±0. mm ±. INCH
ANGULAR: ± °
DRAFT WHERE APPLICABLE MUST
REMAIN WITHIN DIMENSIONS

SCALE
DESIGN UNITS
 mm INCH
DRAWN BY & DATE
DB 14/ 7/87
CHECKED BY & DATE
APPROVED BY & DATE
CAD FILENAME SA9015IX2
DGN

THIRD ANGLE
PROJECTION
DIMENSIONS:
 mm INCH mm ONLY
TITLE:
C-GRID III
DUAL ROW VERTICAL
P.C. BOARD CONNECTOR
Molex
MOLEX INCORPORATED
MATERIAL NO.
SEE CHART
DRAWING NO.
SDA-90151
SHEET NO.
20F

SHT REV
REVISE ON
CAD ONLY
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
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SIZE
B

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

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